ACCESS SERVICES TARIFF

Southwestern Bell Telephone Company d/b/a AT&T Missouri

Section 7 8th Revised Sheet 1 Replacing 7th Revised Sheet 1

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE

The following list matches the Telephone Company's Basic Service Element (BSE) names to the industry standard names for each BSE.

Telephone Company Names Generic Name of ONA Service

Bridging **Bridging**

Central Office Bridging Capability

- Telegraph(1) Bridging (CP)

Access To Clear Channel Clear Channel Capability on

Transmission 1.544 Mbps

Conditioning Conditioning

Extended Superframe Format Extended Superframe Conditioning

Multiplexing Multiplexing - Digital

- Central Office Multiplexing

Issued: May 28, 2021

Secondary Channel Secondary Channel Capability

Capability

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing (AT)customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (AT)

Effective: June 30, 2021

P.S.C. Mo. - No. 36 ACCESS SERVICES TARIFF

Southwestern Bell Telephone Company d/b/a AT&T Missouri Section 7 7th Revised Sheet 1 Replacing 6th Revised Sheet 1

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE

The following list matches the Telephone Company's Basic Service Element (BSE) names to the industry standard names for each BSE.

<u>Telephone Company Names</u>
<u>Generic Name of ONA Service</u>

(RT)

Bridging Bridging

- Central Office Bridging Capability

- Telegraph Bridging

Clear Channel Capability on Access To Clear Channel

1.544 Mbps Transmission

Conditioning Conditioning

Extended Superframe Format Extended Superframe Conditioning

Multiplexing - Digital

- Central Office Multiplexing

Secondary Channel Capability Secondary Channel

Capability

Access Services Tariff
Section 7
6th Revised Sheet 1
Replacing 5th Revised Sheet 1

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE

| (AT) | The following list matches the Telephone Company's Basic Service Element (BSE) names to industry standard names for each BSE. | |
|---------------|---|---|
| | Telephone Company Names | Generic Name of ONA Service |
| | Automatic Loop Transfer | Automatic Protection Switching |
| | Bridging | Bridging |
| | Central Office Bridging CapabilityTelegraph Bridging | |
| | Clear Channel Capability on 1.544 Mbps | Access To Clear Channel Transmission |
| | Conditioning | Conditioning |
| | Extended Superframe Format | Extended Superframe Conditioning |
| | Multiplexing | Multiplexing - Digital |
| | - Central Office Multiplexing | |
| (AT) | Secondary Channel Capability | Secondary Channel Capability |
| (MT) | | |

Issued: March 26, 1993 Effective: April 11, 1993

Access Services Tariff
Section 7
5th Revised Sheet 1
Replacing 4th Revised Sheet 1

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE

7.1 General

Special Access Service with the exception of the WATS Access Line and Network Reconfiguration Service provides a transmission path to connect customer (IC) designated premises(1), either directly or through a Telephone Company Hub where bridging, multiplexing or Network Reconfiguration Service functions are performed. The WATS Access Line, offered under Voice Grade Service, provides a transmission path connecting a customer-designated premises with the WATS serving office. Network Reconfiguration Service, found in Section 19, following, works in conjunction with Special Access Service allowing customers the ability to reconfigure their circuits. Special Access Service includes all exchange access not utilizing Telephone Company end office switches.

The connections provided by Special Access Service can be either analog or digital. Analog connections are differentiated by spectrum and bandwidth. Digital connections are differentiated by bit rate.

7.1.1 Channel Types

There are eight types of channels used to provide Special Access Services. Each type has its own characteristics. All are subdivided by one or more of the following:

- Transmission specifications,
- Bandwidth,
- Speed (i.e., bit rate),
- Spectrum.

Customers can order a basic channel and select from a list of available transmission parameters and channel interfaces, those that they desire to meet specific communications requirements.

CANCELLED

APR 11 1993

BY A R.S. +

Public Service Commission

MISSOURI

(1) Telephone Company Centrex CO-like switches and Telephone Company Answering : Service concentrators are considered to be customer premises for purposes of administering regulations and rates contained in this Tariff.

Issued: **OCT** - 5 1992

Effective: DEC - 4 1992

Access Services Tariff
Section 7
Ath Revised Sheet 1
Replacing Brd Revised Sheet 1

ACCESS SERVICES

MAY 29 1991

7. SPECIAL ACCESS SERVICE

7.1 General

MISSOURI
Public Service Commission

(AT) Special Access Service with the exception of the WATS Access Line and Network Reconfiguration Service, provides a transmission path to connect (AT) customer (IC) designated premises(1), either directly or through a Telephone (AT) Company Hub where bridging, multiplexing or Network Reconfiguration Service functions are performed. The WATS Access Line, offered under Voice Grade Service, provides a transmission path connecting a customer designated premises with the WATS serving office. Network Reconfiguration Service, (AT) found in Section 19, following, works in conjunction with Special Access Service allowing customers the ability to reconfigure their circuits. (AT) Special Access Service includes all exchange access not utilizing Telephone Company end-office switches.

The connections provided by Special Access Service can be either analog or digital. Analog connections are differentiated by spectrum and bandwidth. Digital connections are differentiated by bit rate.

7.1.1 Channel Types

There are nine types of channels used to provide Special Access Services. Each type has its own characteristics. All are subdivided by one or more of the following:

- Transmission specifications,
- Bandwidth.
- Speed (i.e., bit rate),
- Spectrum.

Customers can order a basic channel and select from a list of available transmission parameters and channel interfaces, those that they desire to meet specific communications requirements.

CANCELLED

DEC 4 1992 BY \$ # R.S. #

Public Service Commission

(1) Telephone Company Centrex CO-like switches and Telephone Company Answering Service concentrators are considered to be customer premises for purposes of administering regulations and rates contained in this Tariff.

Issued: **JUN 0** 4 1991

Effective: AUG 0 5 1991

FILED

By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

AUG 5 1991

Access Services Tariff
Section 7
3rd Revised Sheet 1
Replacing 2nd Revised Sheet 1

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE

OCT 1 3 1987

7.1 General

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Special Access Service with the exception of the WATS Access Line provides a transmission path to connect customer (IC) designated premises(1), either directly or through a Telephone Company Hub where bridging or multiplexing functions are performed. The WATS Access Line, offered under Voice Grade Service, provides a transmission path connecting a customer designated premises with the WATS serving office. Special Access Service includes all exchange access not utilizing Telephone Company end office switches.

The connections provided by Special Access Service can be either analog or digital. Analog connections are differentiated by spectrum and bandwidth. Digital connections are differentiated by bit rate.

7.1.1 Channel Types

There are nine types of channels used to provide Special Access Services. Each type has its own characteristics. All are subdivided by one or more of the following:

- Transmission specifications,
- Bandwidth,
- Speed (i.e., bit rate),
- Spectrum.

Customers can order a basic channel and select from a list of available transmission parameters and channel interfaces, those that they desire to meet specific communications requirements.

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AUG 2 1991 BY 4th R. 1

Public Service Commission

MISSOURI

(1) Telephone Company Centrex CO-like switches and Telephone Company Answering Service concentrators are considered to be customer premises for purposes of administering regulations and rates contained in this Tariff.

Issued: 007 14 1987

UCT 16 1987

Effective: OCT 16 1987 To 87-42

Public Service Commission

Access Services Tariff Section 7 2nd Revised Sheet 1 Replacing

(CP) ACCESS SERVICES

JUN 27 1986

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7. SPECIAL ACCESS SERVICE

7.1 General

Special Access Service provides a transmission path | Queic Service Commission (IC) designated premises(1), either directly or through Hub where bridging or multiplexing functions are performed. Special Access Service includes all exchange access not utilizing Telephone Company end office switches.

The connections provided by Special Access Service can be either analog or digital. Analog connections are differentiated by spectrum and bandwidth. Digital connections are differentiated by bit rate.

7.1.1 Channel Types

There are nine types of channels used to provide Special Access Services. Each type has its own characteristics. All are subdivided by one or more of the following:

- Transmission specifications,
- Bandwidth,
- Speed (i.e., bit rate),
- Spectrum..

Customers can order a basic channel and select from a list of available transmission parameters and channel interfaces, those that they desire to meet specific communications requirements.

CANCELLED Public Service Commission MISSOURI

(1) Telephone Company Centrex CO-like switches and Telephone Company Answering Service concentrators are considered to be customer premises for Buffpe ses4 of administering regulations and rates contained in this Tartiff Service Commission

Issued:

JUN 27 1986

Effective:

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Access Services Tariff. lat Reymsed Sheet L Replacing Original Sheet 1

ACCESS SERVICES

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MISSOURI Public Service Commission

SPECIAL ACCESS SERVICE

7.1 General

Special Access Service provides a transmission path to directly connect an IC terminal location and an End User's premises(1), two IC terminal locations, an IC terminal location and a Hub, two End User's premises or an End User's premises and a WATS or WATS-type serving office(2). Special Access Service includes all exchange access not utilizing Telephone Company end office switches. This type of Access Service is used, for example, by IC's for the provision of Private Line Service.

The connections provided by Special Access Service can be either analog or digital. Analog connections are differentiated by spectrum and bandwidth. Digital connections are differentiated by bit rate. The specific types of services (e.g., Narrowband, Voice Grade, Wideband Digital) provided under Special Access Service are described in Paragraph 7.2, following.

7.1.1 Rate Categories

There are four basic rate categories which apply to Special Access Service:

- Access Connection
- Special Transport
- Features and Functions
- Special Access Line

Unless specifically stated otherwise, each of the rate categories will apply for each Special Access Service provided to an IC.

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(1) Telephone Company Centrex CO-like switches are considered to be End Users' premises for purposes of this Tariff.

(2) The Special Access Service used to provide the connection between Ine special Access Service used to provide the connection between an And User's premises and a WATS or WATS-type serving office is only for use with Feature Group C or D Switched Access Service.

OCT 15 1984

AUG 1 51984 Issued:

Effective:

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Access Services Tariff
Section 7
Original Sheet 1

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Public Service Commission

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE

7.1 General

Special Access Service provides a transmission path to directly connect an IC terminal location and an End User's premises(1), two IC terminal locations, an IC terminal location and a Hub, two End User's premises or an End User's premises and a WATS or WATS-type serving office(2). Special Access Service includes all exchange access not utilizing Telephone Company end office switches. This type of Access Service is used, for example, by IC's for the provision of Private Line Service.

The connections provided by Special Access Service can be either analog or digital. Analog connections are differentiated by spectrum and bandwidth. Digital connections are differentiated by bit rate. The specific types of services (e.g., Narrowband, Voice Grade, Wideband Digital) provided under Special Access Service are described in Paragraph 7.2, following.

7.1.1 Rate Categories

There are four basic rate categories which apply to Special Access Service:

- Access Connection
- Special Transport
- Features and Functions
- Special Access Line

Unless specifically stated otherwise, each of the rate categories will apply for each Special Access Service provided to an IC.

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OCT 15 1984

PUBLIC SERVICE COMMISSION

(1) Telephone Company Centrex CO-like switches are considered to be End Users' premises for purposes of this Tariff.

(2) The Special Access Service used to provide the connection between an End User's premises and a WATS serving office is only for use with Feature Group C or D Switched Access Service.

Issued: DEC 29 1983

Effective:

JAN 0 1 1984

ACCESS SERVICES TARIFF

Southwestern Bell Telephone Company d/b/a AT&T Missouri

Section 7 5th Revised Sheet 1.1 Replacing 4th Revised Sheet 1.1

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ACCESS SERVICES

SPECIAL ACCESS SERVICE

7.1 General

Special Access Service with the exception of the WATS Access Line(2) and Network Reconfiguration Service, provides a transmission path to connect customer (IC) designated premises (1), either directly or through a Telephone Company Hub where bridging, multiplexing, Network Reconfiguration Service or Frame Relay Service functions are performed. The WATS Access Line(2), offered under Voice Grade(2) Service, provides a transmission path connecting a customer designated premises with the WATS serving office. Network Reconfiguration Service found in Section 19, following, work in conjunction with Special Access Service allowing customers the ability to reconfigure their circuits. Frame Relay Service is found in Section 16. Special Access Service includes all exchange access not utilizing Telephone Company end-office switches.

The connections provided by Special Access Service can be either analog or digital. Analog connections are differentiated by spectrum and bandwidth. Digital connections are differentiated by bit rate.

7.1.1 Channel Types

There are nine types of channels used to provide Special Access Services. Each type has its own characteristics. All are subdivided by one or more of the following:

- Transmission specifications,
- Bandwidth,
- Speed (i.e., bit rate),
- Spectrum.

Issued: May 28, 2021

Customers can order a basic channel and select from a list of available transmission parameters and channel interfaces, those that they desire to meet specific communications requirements.

- (1) Telephone Company Centrex CO-like switches and Telephone Company Answering Service concentrators are considered to be customer premises for purposes of administering regulations and rates contained in this Tariff.
- (2) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

Effective: June 30, 2021

Access Services Tariff
Section 7
4th Revised Sheet 1.01
Replacing 3rd Revised Sheet 1.01

ACCESS SERVICES

SPECIAL ACCESS SERVICE

7.1 General

Special Access Service with the exception of the WATS Access Line and Network Reconfiguration Service, provides a transmission path to connect customer (IC) designated premises (1), either directly or through a Telephone Company Hub where bridging, multiplexing, Network Reconfiguration Service or Frame Relay Service functions are performed. The WATS Access Line, offered under Voice Grade Service, provides a transmission path connecting a customer designated premises with the WATS serving office. Network Reconfiguration Service found in Section 19, following, work in conjunction with Special Access Service allowing customers the ability to reconfigure their circuits. Frame Relay Service is found in Section 16. Special Access Service includes all exchange access not utilizing Telephone Company end-office switches.

The connections provided by Special Access Service can be either analog or digital. Analog connections are differentiated by spectrum and bandwidth. Digital connections are differentiated by bit rate.

7.1.1 Channel Types

There are nine types of channels used to provide Special Access Services. Each type has its own characteristics. All are subdivided by one or more of the following:

- Transmission specifications,
- Bandwidth.
- Speed (i.e., bit rate),
- Spectrum.

Customers can order a basic channel and select from a list of available transmission parameters and channel interfaces, those that they desire to meet specific communications requirements.

(1) Telephone Company Centrex CO-like switches and Telephone Company Answering Service concentrators are considered to be customer premises for purposes of administering regulations and rates contained in this Tariff.

Issued: January 3, 2003 Effective: February 2, 2003

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Access Services Tariff
Section 7
3rd Revised Sheet 1.01
Replacing 2nd Revised Sheet 1.01
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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE

AUG 26 1994

7.1 General

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MO. PUBLIC SERVICE COMM.

Special Access Service with the exception of the WATS Access Line and Network Reconfiguration Service, provides a transmission path to connect customer (IC) designated premises(1), either directly or through a Telephone Company Hub where bridging, multiplexing, Network Reconfiguration Service, Transport Resource Management Service or Frame Relay Service functions are performed. The WATS Access Line, offered under Voice Grade Service, provides a transmission path connecting a customer designated premises with the WATS serving office. Network Reconfiguration Service and Transport Resource Management Service, found in Section 19, following, work in conjunction with Special Access Service allowing customers the ability to reconfigure their circuits. Frame Relay Service is found in Section 16. Special Access Service includes all exchange access not utilizing Telephone Company end-office switches.

The connections provided by Special Access Service can be either analog or digital. Analog connections are differentiated by spectrum and bandwidth. Digital connections are differentiated by bit rate.

7.1.1 Channel Types

There are nine types of channels used to provide Special Access Services. Each type has its own characteristics. All are subdivided by one or more of the following:

- Transmission specifications,
- Bandwidth.
- Speed (i.e., bit rate),
- Spectrum.

Customers can order a basic channel and select from a list of available transmission parameters and channel interfaces, those that they desire to meet specific communications requirements CANCELLED

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Telephone Company Centrex CO-like switches and Telephone Company Answer: Service concentrators are considered to be customer premises for purpose administering regulations and rates contained in this Tariff.

SEP 26 1994

Issued: AUG 2 6 1994

Effective: SEP 2 R 1994 MISSOURI

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Access Services Tariff Section 7 2nd Revised Sheet 1.01 Replacing 1st Revised Sheet 1.01

ACCESS SERVICES

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SPECIAL ACCESS SERVICE

MAY 24 1994

7.1 General

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MISSOURI

Special Access Service with the exception of the WALLS Service Commission Network Reconfiguration Service, provides a transmission path to connect customer (IC) designated premises(1), either directly or through a Telephone Company Hub where bridging, multiplexing, Network Reconfiguration Service or Frame Relay Service functions are performed. The WATS Access Line, offered under Voice Grade Service, provides a transmission path connecting a customer designated premises with the WATS serving office. Network Reconfiguration Service, found in Section 19, following, works in conjunction with Special Access Service allowing customers the ability to reconfigure their circuits. Frame Relay Service is found in Section 16. Special Access Service includes all exchange access not utilizing Telephone Company end-office switches.

The connections provided by Special Access Service can be either analog or digital. Analog connections are differentiated by spectrum and bandwidth. Digital connections are differentiated by bit rate.

7.1.1 Channel Types

There are nine types of channels used to provide Special Access Services. Each type has its own characteristics. All are subdivided by one or more of the following:

- Transmission specifications.

- Bandwidth.

Customers can order a basic channel and select from a list communications meet specific communications and channel interfaces. The section of the section of

JUL 15 1994

MISSOURI Public Service Commission

 Telephone Company Centrex CO-like switches and Telephone Company Answering Service concentrators are considered to be customer premises for purposes of administering regulations and rates contained in this Tariff.

MAY 2 4 1994 Issued:

Effective:

By M. H. SCHULTEIS, Division Manager-Regulatory & Industry Relations Southwestern Bell Telephone Company St. Louis, Missouri

Access Services Tariff
Section 7
1st Revised Sheet 1.01
Replacing Original Sheet 1.01

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE

FEB 9 1993

7.1 General

MISSOUM

Special Access Service with the exception of the WATS Access Line and Network Reconfiguration Service, provides a transmission path to connect customer (IC) designated premises(1), either directly or through a Telephone Company Hub where bridging, multiplexing or Network Reconfiguration Service functions are performed. The WATS Access Line, offered under Voice Grade Service, provides a transmission path connecting a customer designated premises with the WATS serving office. Network Reconfiguration Service, found in Section 19, following, works in conjunction with Special Access Service allowing customers the ability to reconfigure their circuits. Special Access Service includes all exchange access not utilizing Telephone Company end-office switches.

The connections provided by Special Access Service can be either analog or digital. Analog connections are differentiated by spectrum and bandwidth. Digital connections are differentiated by bit rate.

7.1.1 Channel Types

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There are nine types of channels used to provide Special Access Services. Each type has its own characteristics. All are subdivided by one or more of the following:

- Transmission specifications,
- Bandwidth.
- Speed (i.e., bit rate),
- Spectrum.

Customers can order a basic channel and select from a list of available transmission parameters and channel interfaces, those that they desire to meet specific communications requirements.

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BY 2 ml R, S # 1.01
Public Service Commission
MISSOURI

(1) Telephone Company Centrex CO-like switches and Telephone Company Answering Service concentrators are considered to be customer premises for purposes of administering regulations and rates contained in this Tariff.

APR 1 9 1993

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Issued: FEB 0 9 1993

Effective:

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By A. D. ROBERTSON, Assistant Vice President-External Affairs 19 1993
Southwestern Bell Telephone Company

St. Louis, Missouri

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Access Services Tariff
Section 7
Original Sheet 1.01

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE

MAR 29 1993

(MT) 7.1 General

MISSOURI
Public Service Commission

Special Access Service with the exception of the WATS Access Line and Network Reconfiguration Service, provides a transmission path to connect customer (IC) designated premises(1), either directly or through a Telephone Company Hub where bridging, multiplexing or Network Reconfiguration Service functions are performed. The WATS Access Line, offered under Voice Grade Service, provides a transmission path connecting a customer designated premises with the WATS serving office. Network Reconfiguration Service, found in Section 19, following, works in conjunction with Special Access Service allowing customers the ability to reconfigure their circuits. Special Access Service includes all exchange access not utilizing Telephone Company end-office switches.

The connections provided by Special Access Service can be either analog or digital. Analog connections are differentiated by spectrum and bandwidth. Digital connections are differentiated by bit rate.

7.1.1 Channel Types

There are eight types of channels used to provide Special Access Services. Each type has its own characteristics. All are subdivided by one or more of the following:

- Transmission specifications,
- Bandwidth,
- Speed (i.e., bit rate),
- Spectrum.

Customers can order a basic channel and select from a list of available transmission parameters and channel interfaces, those that they desire to meet specific communications requirements.

APR 19 1993 1.01

BY 101 R.S. 1.01

Public Service Commission

MISSOURI

(1) Telephone Company Centrex CO-like switches and Telephone Company Answering Service concentrators are considered to be customer premises for purposes of administering regulations and rates contained in this Tariff.

Issued: MAR 2 6 1993

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Effective:

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sion 92 - 3 0 4
MO. PUBLIC SERVICE COMM.

By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

Southwestern Bell Telephone

Section 7 6th Revised Sheet 2 Replacing 5th Revised Sheet 2

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

Issued: May 28, 2021

Company d/b/a AT&T Missouri

7.1.1 Channel Types-(Continued)

For purposes of ordering channels, each has been identified as a type of Special Access Service. However, such identification is not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use. For example, if a customer's equipment is capable of transmitting voice over a channel that is identified as a Metallic(1) Service in this Tariff, there is no restriction against doing so.

(CP)

Following is a brief description of each type of channel:

Metallic(1) - A channel for the transmission of low-speed, varying signals at rates up to 30 baud. (CP)

Telegraph Grade(1) - A channel for the transmission of binary signals at rates of 0 to 75 baud or 0 (CP) to 150 baud.

Voice Grade(1) - A channel for the transmission of analog signals within an approximate bandwidth of 300-3000 Hz.

(RT)

(CP)

(RT)

MegaLink Data(1) - A channel for the digital transmission of synchronous serial data at rates of 2.4, 4.8, 9.6 or 56.0 kbps. 56 kbps MegaLink Data channels are also provided in conjunction with Frame Relay Service.

(CP)

High Capacity - A channel for the transmission of isochronous serial digital data at rates of 1.544, or 44.736 Mbps. High Capacity (1.544 Mbps) channels are also provided in conjunction with Frame Relay Service.

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(AT)

(AT)

Effective: June 30, 2021

P.S.C. Mo. - No. 36 ACCESS SERVICES TARIFF

Southwestern Bell Telephone Company d/b/a AT&T Missouri Section 7 5th Revised Sheet 2 Replacing 4th Revised Sheet 2

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

7.1.1 Channel Types-(Continued)

For purposes of ordering channels, each has been identified as a type of Special Access Service. However, such identification is not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use. For example, if a customer's equipment is capable of transmitting voice over a channel that is identified as a Metallic Service in this Tariff, there is no restriction against doing so.

Following is a brief description of each type of channel:

Metallic - A channel for the transmission of low-speed, varying signals at rates up to 30 baud.

Telegraph Grade - A channel for the transmission of binary signals at rates of 0 to 75 baud or 0 to 150 baud.

Voice Grade - A channel for the transmission of analog signals within an approximate bandwidth of 300-3000 Hz.

Wideband Analog - A channel for the transmission of wideband signals. The bandwidths are from 60 to 108 kHz (Group), from 312 to 552 kHz (Supergroup), from 564 to 3084 kHz (Mastergroup), from 300 Hz to 18 kHz, from 29 to 44 kHz or from 28 to 44 kHz.

Wideband Data - An analog channel for the transmission of synchronous serial data at rates of 19.2, 50.0 or 230.4 kbps orasynchronous serial data at rates of up to 19.2, 50.0 or 230.4 kbps.

MegaLink Data - A channel for the digital transmission of synchronous serial data at rates of 2.4, 4.8, 9.6 or 56.0 kbps. 56 kbps MegaLink Data channels are also provided in conjunction with Frame Relay Service.

High Capacity - A channel for the transmission of isochronous serial digital data at rates of 1.544, or 44.736 Mbps. High Capacity (1.544 Mbps) channels are also provided in conjunction with Frame Relay Service.

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Access Services Tariff Section 7 4th Revised Sheet 2 Replacing 3rd Revised Sheet 2

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

7.1.1 Channel Types-(Continued)

For purposes of ordering channels, each has been identified as a type of Special Access Service. However, such identification is not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use. For example, if a customer's equipment is capable of transmitting voice over a channel that is identified as a Metallic Service in this Tariff, there is no restriction against doing so.

Following is a brief description of each type of channel:

Metallic - A channel for the transmission of low-speed, varying signals at rates up to 30 baud.

Telegraph Grade - A channel for the transmission of binary signals at rates of 0 to 75 baud or 0 to 150 baud.

Voice Grade - A channel for the transmission of analog signals within an approximate bandwidth of 300-3000 Hz.

Wideband Analog - A channel for the transmission of wideband signals. The bandwidths are from 60 to 108 kHz (Group), from 312 to 552 kHz (Supergroup), from 564 to 3084 kHz (Mastergroup), from 300 Hz to 18 kHz, from 29 to 44 kHz or from 28 to 44 kHz.

Wideband Data - An analog channel for the transmission of synchronous serial data at rates of 19.2, 50.0 or 230.4 kbps or asynchronous serial data at rates of up to 19.2, 50.0 or 230.4 kbps.

MegaLink Data - A channel for the digital transmission of syn-

(AT) chronous serial data at rates of 2.4, 4.8, 9.6 or 56.0 kbps. 56 kbps MegaLink Data channels (AT)

are also provided in conjunction with Frame Relay Service.

High Capacity - A channel for the transmission of isochronous serial digital data at rates of 1.544, or 44.736 Mbps. High Capacity

(AT) (1.544 Mbps) channels are also provided in conjunction with Frame

Relay Service. (AT)

(RT)

DovLinkSM - A channel for the transmission of either synchronous or asynchronous data at speeds of 2.4, 4.8 or 9.6 kbps.

 $\ensuremath{^{\mathrm{Sm}}}\xspace$ Service Mark of Southwestern Bell Telephone Company.

May 24, 1994 July 15, 1994 Issued: Effective:

By M. H. SCHULTEIS, Division Manager-Regulatory & Industry Relations

Southwestern Bell Telephone Company St. Louis, Missouri

CANCELED August 18, 2012 Missouri Public Service Commission JI-2013-0048

Access Services Tariff
Section 7
3rd Revised Sheet 2
Replacing 2nd Revised Sheet 2

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.1 General-(Continued)

7.1.1 Channel Types-(Continued)

For purposes of ordering channels, each has been identified as a type of Special Access Service. However, such identification is not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use. For example, if a customer's equipment is capable of transmitting voice over a channel that is identified as a Metallic Service in this Tariff, there is no restriction against doing so.

Following is a brief description of each type of channel:

Metallic - A channel for the transmission of low-speed, varying signals at rates up to 30 baud.

Telegraph Grade - A channel for the transmission of binary signals at rates of 0 to 75 baud or 0 to 150 baud.

Voice Grade - A channel for the transmission of analog signals within an approximate bandwidth of 300-3000 Hz.

Wideband Analog - A channel for the transmission of wideband signals. The bandwidths are from 60 to 108 kHz (Group), from 312 to 552 kHz (Supergroup), from 564 to 3084 kHz (Mastergroup), from 300 Hz to 18 kHz, from 29 to 44 kHz or from 28 to 44 kHz.

Wideband Data - An analog channel for the transmission of syn chronous serial data at rates of 19.2, 50.0 or 230.4 kbps & ANCELLED asynchronous serial data at rates of up to 19.2, 50.0 or 230.4 kbps.

HegaLink Data - A channel for the digital transmission of synthesis (hronous serial data at rates of 2.4, 4.8, 9.6 or 56.0 Byps#Th R.S#2

Public Service Commission

High Capacity - A channel for the transmission of isochronous ISSOURI serial digital data at rates of 1.544, 3.152, 6.312, 44.736 or 274.176 Mbps.

DovLinkSm - A channel for the transmission of either synchronous or asynchronous data at speeds of 2.4, 4.8 or 9.6 kbps. DEC 41992

Service Mark of Southwestern Bell Telephone Company.

DEC -140.1992

Issued: OCT - 5 1992

Effective:

Access Services Tariff
Section 7
2nd Revised Sheet 2
Replacing 1st Revised Sheet 2

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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7.1 General-(Continued)

SEP 25 1989

7.1.1 Channel Types-(Continued)

A. IS CONTIN

Public Service During channels, each has been identified as a type of Special Access Service. However, such identification is not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use. For example, if a customer's equipment is capable of transmitting voice over a channel that is identified as a Metallic Service in this Tariff, there is no restriction against doing so.

Following is a brief description of each type of channel:

Metallic - A channel for the transmission of low-speed, varying signals at rates up to 30 baud.

Telegraph Grade - A channel for the transmission of binary signals at rates of 0 to 75 baud or 0 to 150 baud.

Voice Grade - A channel for the transmission of analog signals within an approximate bandwidth of 300-3000 Hz. CANCELLED

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Wideband Analog - A channel for the transmission of widehssours signals. The bandwidths are from 60 to 108 kHz (Group), from 312 to 552 kHz (Supergroup), from 564 to 3084 kHz (Mastergroup), from 300 Hz to 18 kHz, from 29 to 44 kHz or from 28 to 44 kHz.

Wideband Data - An analog channel for the transmission of synchronous serial data at rates of 19.2, 50.0 or 230.4 kbps or asynchronous serial data at rates of up to 19.2, 50.0 or 230.4 kbps.

MegaLink Data - A channel for the digital transmission of synchronous serial data at rates of 2.4, 4.8, 9.6 or 56.0 kbps.

High Capacity - A channel for the transmission of isochronous serial digital data at rates of 1.544, 3.152, 6.312, 44.736 or 274.176 Mbps.

OCT 1 1989

Issued: SEP 2 5 1989

Effective: OCT 1publis Service Commission

Access Services Tariff Section 7 1st Revised Sheet 2 Replacing Original Sheet 2

(CP)ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

7.1.1 Channel Types-(Continued)

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For purposes of ordering channels, each has been liber Service Commission type of Special Access Service. However, such identification is not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use. For example, if a customer's equipment is capable of transmitting voice over a channel that is identified as a Metallic Service in this Tariff Cherois no ED restriction against doing so.

Following is a brief description of each type of channel: 001.1

Metallic - A channel for the transmission of low speed Service (Tablesion signals at rates up to 30 baud. Missour

Telegraph Grade - A channel for the transmission of binary signals at rates of 0 to 75 baud or 0 to 150 baud.

Voice Grade - A channel for the transmission of analog signals within an approximate bandwidth of 300-3000 Hz.

Program Audio - A channel for the transmission of audio signals. The nominal frequency bandwidths are from 50 to 15000 Hz, from 200 to 3500 Hz, from 100 to 5000 Hz or from 50 to 8000 Hz.

Wideband Analog - A channel for the transmission of wideband signals. The bandwidths are from 60 to 108 kHz (Group), from 312 to 552 kHz (Supergroup), from 564 to 3084 kHz (Mastergroup), from 300 Hz to 18 kHz, from 29 to 44 kHz or from 28 to 44 kHz.

Wideband Data - An analog channel for the transmission of synchronous serial data at rates of 19.2, 50.0 or 230.4 kbps or asynchronous serial data at rates of up to 19.2, 50.0 or 230.4 kbps.

Digital Data - A channel for the digital transmission of synchronous serial data at rates of 2.4, 4.8, 9.6 or 56.0 kpps.

High Capacity - A channel for the transmission of isochronous serial digital data at rates of 1.544, 3.152, 6.312, 44.736 or 8 6 - 8 4 Public Service Commission 274.176 Mbps.

Issued:

JUN 27 1986

Effective:

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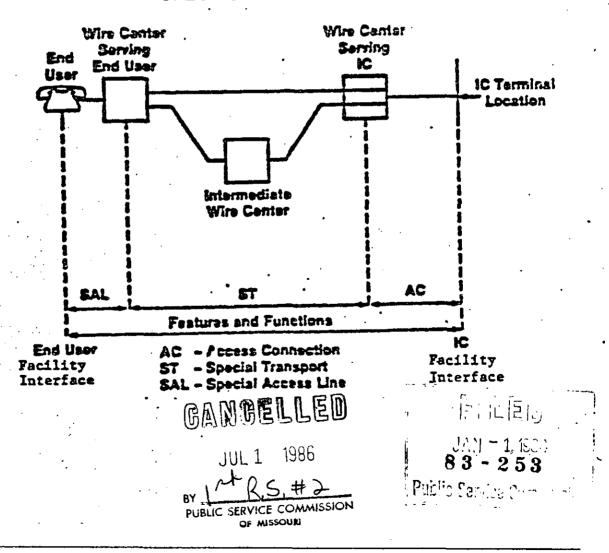
ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.1 General-(Continued)
- 7.1.1 Rate Categories-(Continued)

Access Services Tariff
Section 7
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The following diagram depicts a generic view of the components of Special Access Service and the manner in which the components are combined to provide a complete Access Service.

SPECIAL ACCESS SERVICE



Issued: DEC 29 1983

Effective:

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Access Services Tariff
Section 7
1st Revised Sheet 2.01
Replacing Original Sheet 2.01

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.1 General-(Continued)
- 7.1.1 Channel Types-(Continued)

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Issued: January 10, 1997 Effective: February 10, 1997

ACCESS SERVICES

Access Services Tariff
Section 7
Original Sheet 2.01

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- SPECIAL ACCESS SERVICE-(Continued)
- 7.1 General-(Continued)

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7.1.1 Channel Types-(Continued)

Business Video - a channel with two-way transmission capability for a standard 525-line/60-field monochrome or National Television Systems Committee (NTSC) - System M color video signal and an associated audio signal in 7 kHz range.

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Southwestern Bell Telephone Company d/b/a AT&T Missouri

Section 7 5th Revised Sheet 3 Replacing 4th Revised Sheet 3

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

7.1.1 Channel Types-(Continued)

Detailed descriptions of each of the channel types are provided in Paragraph 7.2, following.

The customer also has the option of ordering Voice Grade(1) and analog and digital high capacity (CP) facilities (i.e., Group, Supergroup, Mastergroup, 1.544 Mbps, 3.152 Mbps, 6.312 Mbps, 44.736 Mbps and 274.176 Mbps) to a Telephone Company Hub for multiplexing to individual channels of a lower capacity or bandwidth. Descriptions of the types of multiplexing available at the Hubs, as well as the number of individual channels which may be derived from each type of facility are set forth in Paragraph 7.2, following.

Additionally, the customer may specify optional features or BSEs for the individual channels derived from the facility to further tailor the channel to meet specific communications requirements. Descriptions of the optional features, BSEs and functions available are also set forth in Paragraph 7.2, following.

For example, a customer may order a 3.152 Mbps facility from a customerdesignated premises to a Telephone Company Hub for multiplexing to two 1.544 Mbps channels. The 1.544 Mbps channels may be further multiplexed at the same or a different Hub to Voice Grade(1) (i.e., Group level) channels or may (CP) be extended to other customer designated premises. Optional features and BSEs may be added to either the 1.544 Mbps or Voice Grade(1) channels. (CP)

7.1.2 Rate Categories

There are four basic rate categories which apply to Special Access Service:

- Channel Terminations (described in Paragraph 7.1.2, A., following)
- Channel Mileage (described in Paragraph 7.1.2, B., following)
- Service to Service Through Connect Arrangements (described in Paragraph 7.1.2, C., following)
- Optional Features, BSEs and Functions (described in Paragraph 7.1.2, D., following)
- (1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing (AT) customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

Effective: June 30, 2021 Issued: May 28, 2021

Section 7 4th Revised Sheet 3 Replacing 3rd Revised Sheet 3

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

7.1.1 Channel Types-(Continued)

Detailed descriptions of each of the channel types are provided in Paragraph 7.2, following.

The customer also has the option of ordering Voice Grade and analog and digital high capacity facilities (i.e., Group, Supergroup, Mastergroup, 1.544 Mbps, 3.152 Mbps, 6.312 Mbps, 44.736 Mbps and 274.176 Mbps) to a Telephone Company Hub for multiplexing to individual channels of a lower capacity or bandwidth. Descriptions of the types of multiplexing available at the Hubs, as well as the number of individual channels which may be derived from each type of facility are set forth in Paragraph 7.2, following.

Additionally, the customer may specify optional features or BSEs for the individual channels derived from the facility to further tailor the channel to meet specific communications requirements. Descriptions of the optional features, BSEs and functions available are also set forth in Paragraph 7.2, following.

For example, a customer may order a 3.152 Mbps facility from a customerdesignated premises to a Telephone Company Hub for multiplexing to two 1.544 Mbps channels. The 1.544 Mbps channels may be further multiplexed at the same or a different Hub to Voice Grade (i.e., Group level) channels or may be extended to other customer designated premises. Optional features and BSEs may be added to either the 1.544 Mbps or Voice Grade channels.

7.1.2 Rate Categories

There are four basic rate categories which apply to Special Access Service:

- Channel Terminations (described in Paragraph 7.1.2, A., following)
- Channel Mileage (described in Paragraph 7.1.2, B., following)
- Service to Service Through Connect Arrangements (described in Paragraph 7.1.2, C., following)
- Optional Features, BSEs and Functions (described in Paragraph 7.1.2, D., following)

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Issued: October 21, 2014

CANCELLED June 30, 2021 Missouri Public Service Commission JI-2021-0210 By JOHN SONDAG, President - Missouri St. Louis, Missouri

FILED
Missouri Public
Service Commission
JI-2015-0173

Effective: November 20, 2014

Access Services Tariff
Section 7
3rd Revised Sheet 3
Replacing 2nd Revised Sheet 3

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

7.1.1 Channel Types-(Continued)

Detailed descriptions of each of the channel types are provided in Paragraph 7.2, following.

The customer also has the option of ordering Voice Grade and analog and digital high capacity facilities (i.e., Group, Supergroup, Mastergroup, 1.544 Mbps, 3.152 Mbps, 6.312 Mbps, 44.736 Mbps and 274.176 Mbps) to a Telephone Company Hub for multiplexing to individual channels of a lower capacity or bandwidth. Descriptions of the types of multiplexing available at the Hubs, as well as the number of individual channels which may be derived from each type of facility are set forth in Paragraph 7.2, following.

- (AT) Additionally, the customer may specify optional features or BSEs for the individual channels derived from the facility to further tailor the channel to meet specific communications requirements. Descriptions of the optional features, BSEs and functions available are also set forth in
- (AT) Paragraph 7.2, following.

For example, a customer may order a 3.152 Mbps facility from a customer-designated premises to a Telephone Company Hub for multiplexing to two 1.544 Mbps channels. The 1.544 Mbps channels may be further multiplexed at the same or a different Hub to Voice Grade or Wideband Analog (i.e., Group level) channels or may be extended to other customer designated premises. Optional features and BSEs may be added to either the 1.544 Mbps or Voice Grade channels.

7.1.2 Rate Categories

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There are four basic rate categories which apply to Special Access Service:

- Channel Terminations (described in Paragraph 7.1.2, A., following)
- Channel Mileage (described in Paragraph 7.1.2, B., following)
- Service to Service Through Connect Arrangements (described in Paragraph 7.1.2, C., following)
- Optional Features, BSEs and Functions (described in Paragraph 7.1.2, D., following)

Issued: March 26, 1993 Effective: April 11, 1993

CANCELED November 20, 2014 Missouri Public Service Commission JI-2015-0173 By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.1 General-(Continued)

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7.1.1 Channel Types-(Continued)

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Detailed descriptions of each of the channel types are provided in Paragraph 7.2, following.

The customer also has the option of ordering Voice Grade and analog and digital high capacity facilities (i.e., Group, Supergroup, Mastergroup, 1.544 Mbps, 3.152 Mbps, 6.312 Mbps, 44.736 Mbps and 274.176 Mbps) to a Telephone Company Hub for multiplexing to individual channels of a lower capacity or bandwidth. Descriptions of the types of multiplexing available at the Hubs, as well as the number of individual channels which may be derived from each type of facility are set forth in Paragraph 7.2, following.

Additionally, the customer may specify optional features for the individual channels derived from the facility to further tailor the channel to meet specific communications requirements. Descriptions of the optional features and functions available are also set forth in Paragraph 7.2, following.

For example, a customer may order a 3.152 Mbps facility from a customer-designated premises to a Telephone Company Hub for multiplexing to two 1.544 Mbps channels. The 1.544 Mbps channels may be further multiplexed at the same or a different Hub to Voice Grade or Wideband Analog (i.e., Group level) channels or may be extended to other customer designated premises. Optional features may be added to either the 1.544 MANGELLED Voice Grade channels.

7.1.2 Rate Categories

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There are four basic rate categories which apply to Special Accessivice Commission Service:

NISSOURI

- Channel Terminations (described in Paragraph 7.1.2, A., following)

- Channel Mileage (described in Paragraph 7.1.2, B., following)

- Service to Service Through Connect Arrangements (described in Paragraph 7.1.2, C., following)

- Optional Features and Functions (described in Paragraph 7.1.2, D., following)

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Effective: MAR 2 6 1990

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By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

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Access Services Tariff Section 7 1st Revised Sheet 3 Replacing Original Sheet 3

(CP)ACCESS SERVICES

Detailed descriptions of each of the channel type

- SPECIAL ACCESS SERVICE-(Continued)
- 7.1 General-(Continued)
- 7.1.1 Channel Types-(Continued)

Paragraph 7.2, following.

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The customer also has the option of ordering Voice Grade and analog and digital high capacity facilities (i.e., Group, Supergroup, Mastergroup, 1.544 Mbps, 3.152 Mbps, 6.312 Mbps, 44.736 Mbps and 274.176 Mbps) to a Telephone Company Hub for multiplexing to individual channels of a lower capacity or bandwidth. Descriptions of the types of multiplexing available at the Hubs, as well as the number of individual channels which may be derived from each type of facility are set forth in Paragraph 7.2, following. Additionally, the customer may specify optional features for the individual channels derived from the facility to further tailor the channel to meet specific communications requirements. Descriptions of the optional features and functions available are also set forth in Paragraph 7.2, following.

For example, a customer may order a 3.152 Mbps facility from a customerdesignated premises to a Telephone Company Hub for multiplexing to two 1.544 Mbps channels. The 1.544 Mbps channels may be further multiplexed at the same or a different Hub to Voice Grade or Wideband Analog (i.e., Group level) channels or may be extended to other customer designated premises. Optional features may be added to either the 1.544 Mbps or the Voice Grade channels.

7.1.2 Rate Categories

There are three basic rate categories which apply to Special Access Service:

- Channel Terminations (described in Paragraph 7.1.2, A., following)

- Channel Mileage (described in Paragraph 7.1.2, B., following)

- Optional Features and Functions (described in Paragraph 7.1.2, C., following)

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.1 General-(Continued)
 - 7.1.1 Rate Categories-(Continued)
 - A. Access Connection

This rate category provides a channel between the IC terminal location and the wire center serving the IC terminal location. This rate category varies by type of facility.

B. Special Transport

This rate category provides the actual physical transmission facilities between (1) an IC terminal location serving wire center and the End User's serving wire center, (2) an IC terminal location serving wire center and a Hub (3) a Hub and an End User's serving wire center, or (4) an End User's serving wire center and a WATS or WATS-type serving office (for Dedicated Access Line Service only). The facilities may be either analog or digital. This rate category has a fixed rate portion plus is distance-sensitive and varies by type of facility.

C. Features and Functions

This rate category provides available facility interface combinations (including signaling), Hub functions (i.e., bridging and multiplexing) and optional features or functions that improve the quality or utility of a service to meet specific communications requirements. In addition, there is a separate charge for Voice Grade Performance which is also included in this rate category. The Voice Grade Performance Charge applies for all Voice Grade Services (i.e., VG 1-3, 5-10) ordered by the IC.

D. Special Access Line

This rate category provides a channel between the wire center serving the End User's premises and the End User's premises This rate category varies by type of facility.

7.1.2 Facility Interface (FI) Combinations A. C. SH 3

When ordering Special Access Service, the IC must specify the facility interface (FI) that is desired for the service ordered. The FI defines the technical characteristics associated with the type of signaling and type

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Section 7 6th Revised Sheet 4 Replacing 5th Revised Sheet 4

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

7.1.2 Rate Categories-(Continued)

A. Channel Termination

The Channel Termination rate category provides for the communications path between a customer designated premises and the serving wire center of that premises or for the communications path within a building which connects a customer's facilities with a customer designated premises without routing through the serving wire center. Included as part of the Channel Termination is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the Point of Termination (POT) and the type of signaling capability, if any. The signaling capability itself is provided as an optional feature as set forth in Paragraph D., following. One Channel Termination Charge applies per customer designated premises at which the channel is terminated. This charge will apply even if the customer designated premises and the serving wire center are both located in the same Telephone Company building.

B. Channel Mileage

The Channel Mileage rate category provides for the transmission facilities between the serving wire centers associated with two customer designated premises, between a serving wire center associated with a customer designated premises and a Telephone Company Hub, between two Telephone Company Hubs, or between a serving wire center associated with a customer designated premises and the WATS serving office. Channel mileage is portrayed in mileage bands. There are two rates that apply for each band, i.e., a flat rate per band and a rate per mile.

C. Service to Service Through Connect Arrangement

The Service to Service Through Connect Arrangement rate category provides for an interconnection of like services in a Telephone Company Hub or serving wire center as appropriate. This arrangement is an intraoffice connection that is provisioned in lieu of a channel termination to a customer designated premises. The through connection is provided in conjunction with Voice Grade(1) Analog, MegaLink Data(1) and High Capacity services. Additional Channel Mileage would apply if two like services are located in different Hubs or serving wire centers. The customer billed for the through connect arrangement will be responsible for all billing associated with the interconnection.

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

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Effective: June 30, 2021

Access Services Tariff Section 7 4th Revised Sheet 4 Replacing 3rd Revised Sheet 4

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

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7.1.2 Rate Categories-(Continued)

Public Salvica Commission

A. Channel Termination

The Channel Termination rate category provides for the communications path between a customer designated premises and the serving wire center of that premises or for the communications path within a building which connects a customer's facilities with a customer designated premises without routing through the serving wire center. Included as part of the Channel Termination is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the Point of Termination (POT) and the type of signaling capability, if any. The signaling capability itself is provided as an optional feature as set forth in Paragraph D., following. One Channel Termination Charge applies per customer designated premises ar which the channel is terminated. This charge will apply even if the customer designated premises and the serving wire center are co-located in a Telephone SEP 261994 Company building.

B. Channel Mileage

The Channel Mileage rate category provides for the transmission to Commission between the serving wire centers associated with two Russtomer Messignated premises, between a serving wire center associated with a contract of the premises and a Talana premises, between a serving wire center associated with a customer designated premises and a Telephone Company Hub, between two Telephone Company Hubs, or between a serving wire center associated with a customer designated premises and the WATS serving office. Channel mileage is portrayed in mileage bands. There are two rates that apply for each band, i.e., a flat rate per band and a rate per mile.

C. Service to Service Through Connect Arrangement

The Service to Service Through Connect Arrangement rate category provides for an interconnection of like services in a Telephone Company Hub or serving wire center as appropriate. This arrangement is an intraoffice connection that is provisioned in lieu of a channel termination to a customer designated premises. The through connection is provided in conjunction with Voice Grade Analog, MegaLink Data and High Capacity services. Additional Channel Mileage would apply if two like services are located in different Hubs or serving wire centers. The customer billed for the through connect arrangement will be responsible for all billing associated with the interconnection.

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Effective: MAR 1 8 1991

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Access Services Tariff Section 7 3rd Revised Sheet 4 Replacing 2nd Revised Sheet 4

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

7.1.2 Rate Categories-(Continued)

A. Channel Termination

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The Channel Termination rate category provides for the communications path between a customer designated premises and the serving wire center of that premises. Included as part of the Channel Termination is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the Point of Termination (POT) and the type of signaling capability, if any. The signaling capability itself is provided as an optional feature as set forth in Paragraph D., following. One Channel Termination Charge applies per customer designated premises at which the channel is terminated. This charge will apply even if the customer designated premises and the serving wire center are co-located in a Telephone Company building.

B. Channel Mileage

The Channel Mileage rate category provides for the transmission facilities between the serving wire centers associated with two customer designated premises, between a serving wire center associated with a customer designated premises and a Telephone Company Hub, between two Telephone Company Hubs, or between a serving wire center associated with a customer designated premises and the VATS serving office. Channel mileage is portrayed in mileage bands. There are two rates that apply for each band, i.e., a flat rate per band and a rate per mile.

(TA) C. Service to Service Through Connect Arrangement

> The Service to Service Through Connect Arrangement rate category provides for an interconnection of like services in a Telephone Company Hub or serving wire center as appropriate. This arrangement is an intraoffice connection that is provisioned in lieu of a channel termination to a customer designated premises. The through connection is provided in conjunction with Voice Grade Analog, MegaLink Data and High Capacity services. Additional Channel Hileage would apply if two like services are located in different Hubs or serving wire centers. The customer billed for the through connect arrangement will be responsible for all billing associated with the interconnection.

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Access Services Tariff Section 7 2nd Revised Sheet 4 Replacing 1st Revised Sheet 4

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued) CANCELLED

7.1 General-(Continued)

7.1.2 Rate Categories-(Continued)

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Channel Termination

The Channel Termination rate category provides for the communications path between a customer designated premises and the serving wire center of that premises. Included as part of the Channel Termination is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the Point of Termination (POT) and the type of signaling capability, if any. The signaling capability itself is provided as an optional feature as set forth in Paragraph C., following. One Channel Termination Charge applies per customer designated premises at which the channel is terminated. This charge will apply even if the customer designated premises and the serving wire center are co-located in a Telephone Company building.

Channel Mileage

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The Channel Mileage rate category provides for the transmission facilities between the serving wire centers associated with two customer designated premises, between a serving wire center associated with a customer designated premises and a Telephone Company Hub, between two Telephone Company Hubs, or between a serving wire center associated with a customer designated premises and the WATS serving office. Channel mileage is portrayed in mileage bands. There are two rates that apply for each band, i.e., a flat rate per band and a rate per mile.

C. Optional Features and Functions

The Optional Features and Functions rate category provides for optional features and functions which may be added to a Special Access Service to improve its quality or utility to meet specific communications requirements. These are not necessarily identifiable with specific equipment but rather represent the end result in terms of performance characteristics which may be obtained. These characteristics may be obtained by using various combinations of equipment. Although the equipment necessary to perform a specified function may be installed at various locations along the path of the service, they will be charged for as a single rate element

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(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.1 General-(Continued)
 - 7.1:2 Rate Categories-(Continued)
 - A. Channel Termination

1st Revised Sheet 4 Replacing Original Sheet 4 JUN 27 1986 WIZZONKI Public Service Commission

Access Services Tariff

Section 7

The Channel Termination rate category provides for the communications path between a customer designated premises and the serving wire center of that premises. Included as part of the Channel Termination is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the Point of Termination (POT) and the type of signaling capability, if any. The signaling capability itself is provided as an optional feature as set forth in Paragraph C., following. One Channel Termination Charge applies per customer designated premises at which the channel is terminated. This charge will apply even if the customer designated premises and the serving wire center are co-located in a Telephone Company build the LED

Channel Mileage

OCT 16 1987 The Channel Mileage rate category provides for the transmission and ilities between the serving wire contains ilities between the serving wire centers associated with prestones mission designated premises, between a serving wire center associated with premises between a serving wire center associated with premises between a serving wire center associated with premises to the content of the content designated premises, between a serving wire center associated with a customer designated premises and a Telephone Company Allo or bentant two Telephone Company Hubs. Channel mileage is portrayed in mileage bands. There are two rates that apply for each band, i.e., a flat rate per band and a rate per mile.

C. Optional Features and Functions

The Optional Features and Functions rate category provides for optional features and functions which may be added to a Special Access Service to improve its quality or utility to meet specific communications requirements. These are not necessarily identifiable with specific equipment but rather represent the end result in terms of performance characteristics which may be obtained. These characteristics may be obtained by using various_ combinations of equipment. Although the equipment necessary to perform a specified function may be installed at various locations along the path of the service, they will be charged for as a single rate element.

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ACCESS SERVICES

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- SPECIAL ACCESS SERVICE-(Continued)
 - 7.1 General-(Continued)

- Public Service Commission
- 7.1.2 Facility Interface (FI) Combinations-(Continued)

of facilities presented for connection to the Access Service at both the IC terminal location and the End User's premises.

The FI's specified for the IC terminal location and the End User's premises may be asymmetrical or symmetrical. However, only certain combinations are technically possible. Therefore, for purposes of this Tariff, FI's are being described in terms of available combinations for all services, except Dedicated Access Line Service which is only provided between an End User's premises and a WATS serving office. These combinations are set forth in Paragraph 7.2, following.

7.1.3 Optional Features and Functions

Optional features and functions may be added to a service to improve its quality or utility to meet specific communications requirements. These are not necessarily identifiable with specific facilities, but rather represent the end result in terms of performance characteristics which may be obtained. These characteristics may be obtained by using various combinations of facilities. Although the facilities necessary to perform a specified function may be installed at various locations along the path of the service, including the premises of the End User, they will be charged for as a single rate element.

Examples of features or functions that are available include, but are not limited to, the following:

- Conditioning
- Transfer Arrangement
- Automatic Protection Switching

Descriptions and rates for each of the available features and functions are set forth in Paragraph 7.5.3, D., following.

7.1.4 Service Configuration ANGELLEU

There are two types of service configurations over which Special Access Services are provided: two point service and multipoint service.

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Issued: DEC 29 1983

Effective: JAN 0 1 1984

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No Supplement to this tariff will be issued except for the purpose of canceling this tariff. Access Services Tariff
Section 7
9th Revised Sheet 5
Replacing 8th Revised Sheet 5

ACCESS SERVICES

SPECIAL ACCESS SERVICE

- 7.1 General (cont'd)
 - 7.1.2 Rate Categories (cont'd)
 - D. Optional Features, BSEs and Functions

The Optional Features, BSEs and Functions rate category provides for optional features, BSEs and functions which may be added to a Special Access Service to improve its quality or utility to meet specific communications requirements. These are not necessarily identifiable with specific equipment but rather represent the end result in terms of performance characteristics which may be obtained. These characteristics may be obtained by using various combinations of equipment. Although the equipment necessary to perform a specified function may be installed at various locations along the path of the service, they will be charged for as a single rate element.

Examples of Optional Features, BSEs and Functions that are available include, but are not limited to, the following:

- Signaling Capability
- Hubbing Functions
- Conditioning
- Transfer Arrangements

A Hub is a Telephone Company designated serving wire center at which bridging, multiplexing, Network Reconfiguration Service functions are performed. The bridging functions performed may be to connect three or more customer designated premises in a multipoint arrangement as set forth in Paragraph 7.3.7, following, or to reterminate Network Reconfiguration Service as set forth in Section 19, following. The multiplexing functions are to channelize analog or digital facilities to individual services requiring a lower capacity or bandwidth. The Network Reconfiguration Service offerings allow the customer to reconfigure their Special Access Services.

Descriptions for each of the available Optional Features, BSEs and Functions are set forth in Paragraph 7.2, following. When ordering bridging and multiplexing, the customer will select the designated Hub(s) and subtending wire center(s) from the National Exchange Carrier Association, Inc. Tariff filed with the F.C.C.

Issued: January 3, 2003 Effective: February 2, 2003

Access Services Tariff
Section 7
8th Revised Sheet 5
Replacing 7th Revised Sheet 5

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

AUG 26 1994

7.1 General-(Continued)

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7.1.2 Rate Categories-(Continued)

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D. Optional Features, BSEs and Functions

The Optional Features, BSEs and Functions rate category provides for optional features, BSEs and functions which may be added to a Special Access Service to improve its quality or utility to meet specific communications requirements. These are not necessarily identifiable with specific equipment but rather represent the end result in terms of performance characteristics which may be obtained. These characteristics may be obtained by using various combinations of equipment. Although the equipment necessary to perform a specified function may be installed at various locations along the path of the service, they will be charged for as a single rate element.

Examples of Optional Features, BSEs and Functions that are available include, but are not limited to, the following:

- Signaling Capability
- Hubbing Functions
- Conditioning
- Transfer Arrangements

A Hub is a Telephone Company designated serving wire center at which (AT) bridging, multiplexing, Network Reconfiguration Service or Transport (AT) Resource Management Service functions are performed. The bridging

Resource Management Service functions are performed. The bridging functions performed may be to connect three or more customer designated premises in a multipoint arrangement as set forth in Paragraph 7.3.7,

(AT) following, or to reterminate Network Reconfiguration Service or Transport

(AT) Resource Management Service as set forth in Section 19, following. The multiplexing functions are to channelize analog or digital facilities to individual services requiring a lower capacity or bandwidth. The Network

(AT) Reconfiguration Service and Transport Resource Management Service offerings

(CT) allow the customer to reconfigure their Special Access Services.

Descriptions for each of the available Optional Features, BSEs and Functions are set forth in Paragraph 7.2, following. When ordering bridging and multiplexing, the customer will select the designated Hub(s) and subtending wire center(s) from the National Exchange Carrier Association, Inc. Tariff filed with the F.C.C.

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Effective: SEP 2 6 1994

Access Services Tariff Section 7 7th Revised Sheet 5 Replacing 6th Revised Sheet 5

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.1 General-(Continued)

MAR 29 1993

7.1.2 Rate Categories-(Continued)

MISSOURI Public Service Commission

(AT) D. Optional Features, BSEs and Functions

(AT) (AT) The Optional Features, BSEs and Functions rate category provides for optional features, BSEs and functions which may be added to a Special Access Service to improve its quality or utility to meet specific communications requirements. These are not necessarily identifiable with specific equipment but rather represent the end result in terms of performance characteristics which may be obtained. These characteristics may be obtained by using various combinations of equipment. Although the equipment necessary to perform a specified function may be installed at various locations along the path of the service, they will be charged for as a single rate element.

Examples of Optional Features, BSEs and Functions that are include, but are not limited to. the following: (AT)

- Signaling Capability
- Hubbing Functions

(C)

A Hub is a Telephone Company designated serving wire center at Which bridging, multiplexing or Network Reconfiguration Service functions performed. The bridging functions performed. more customer designated premises in a multipoint arrangement as set forth in Paragraph 7.3.7, following, or to reterminate Network Reconfiguration Service as set forth in Section 19, following. The multiplexing functions are to channelize analog or digital facilities to individual services requiring a lower capacity or bandwidth. The Network Reconfiguration Service offering allows the customer to reconfigure their Special Access Services.

(AT)

Descriptions for each of the available Optional Features, BSEs and Functions are set forth in Paragraph 7.2, following. When ordering bridging and multiplexing, the customer will select the designated Hub(s) and subtending wire center(s) from the National Exchange Carrier Association, Inc. Tariff filed with the F.C.C.

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Access Services Tariff Section 7 6th Revised Sheet 5 Replacing 5th Revised Sheet 5

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.1 General-(Continued)

7.1.2 Rate Categories-(Continued)

MISSOURI Public Service Commission

D. Optional Features and Functions

The Optional Features and Functions rate category provides for optional features and functions which may be added to a Special Access Service to improve its quality or utility to meet specific communications requirements. These are not necessarily identifiable with specific equipment but rather represent the end result in terms of performance characteristics which may be obtained. These characteristics may be obtained by using various combinations of equipment. Although the equipment necessary to perform a specified function may be installed at various locations along the path of the service, they will be charged for as a single rate element.

Examples of Optional Features and Functions that are available include, but are not limited to, the following: CANCELLED

- Signaling Capability

- Hubbing Functions

- Conditioning

- Transfer Arrangements

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A Hub is a Telephone Company designating serving wire center passouling performed. The hard and performed. The bridging functions performed may be to connect three or more customer designated premises in a multipoint arrangement as set forth in Paragraph 7.3.7, following, or to reterminate Network Reconfiguration Service as set forth in Section 19, following. The multiplexing functions are to channelize analog or digital facilities to individual services requiring a lower capacity or bandwidth. The Network Reconfiguration Service offering allows the customer to reconfigure their Special Access Services.

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Descriptions for each of the available Optional Features and Functions are set forth in Paragraph 7.2, following. When ordering bridging and multiplexing, the customer will select the designated hub(s) and subtending wire center(s) from the National Exchange Carrier Association, Inc. Tariff filed with the F.C.C.

Issued: AUG 0 9 1991

Effective: SEP 0 9 1991

SEP 3 0 18 FP 3 0 1991 By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company

St. Louis, Missouri

Public Service Commission

Access Services Tariff Section 7 5th Revised Sheet 5 Replacing 4th Revised Sheet 5

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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7.1 General-(Continued)

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7.1.2 Rate Categories-(Continued)

MISSCURI Public Service Commission

D. Optional Features and Functions

The Optional Features and Functions rate category provides for optional features and functions which may be added to a Special Access Service to improve its quality or utility to meet specific communications requirements. These are not necessarily identifiable with specific equipment but rather represent the end result in terms of performance characteristics which may be obtained. These characteristics may be obtained by using various combinations of equipment. Although the equipment necessary to perform a specified function may be installed at various locations along the path of the service, they will be charged for as a single rate element.

Examples of Optional Features and Functions that are available include, but are not limited to, the following:

- Signaling Capability

- Hubbing Functions

- Conditioning

- Transfer Arrangements

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A Hub is a Telephone Company designating selving selving for the company designating selving the company designation of the company desi bridging, multiplexing or Network Reconfiguration Service that ctions are performed. The bridging functions performed may be to connect three or more customer designated premises in a multipoint arrangement as set forth in Paragraph 7.3.7, following, or to reterminate Network Reconfiguration Service as set forth in Section 19, following. The multiplexing functions are to channelize analog or digital facilities to individual services requiring a lower capacity or bandwidth. The Network Reconfiguration Service offering allows the customer to reconfigure their Special Access Services.

Descriptions for each of the available Optional Features and Functions are set forth in Paragraph 7.2, following.

7.1.3 Service Configurations

There are four types of service configurations over which Special Access Services are provided: two-point service, multipoint service, WATS Access Line Service and Service to Service Through Connect Arrangement.

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Access Services Tariff Section 7 4th Revised Sheet 5 Replacing 3rd Revised Sheet 5

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.1 General-(Continued)

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7.1.2 Rate Categories-(Continued)

MISSOURI Public Service Commission

(FC) D. Optional Features and Functions

> The Optional Features and Functions rate category provides for optional features and functions which may be added to a Special Access Services to improve its quality or utility to meet specific communications requirements. These are not necessarily identifiable with specific equipment but rather represent the end result in terms of performance characteristics which may be obtained. These characteristics may be obtained by using various combinations of equipment. Although the equipment necessary to perform a specified function may be installed at various locations along the path of the service, they will be charged for as a single rate element.

Examples of Optional Features and Functions that are available include, but are not limited to, the following:

- Signaling Capability
- Hubbing Functions
- Conditioning
- Transfer Arrangements

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A Hub is a Telephone Company designated serving wire centeriblic when the Commission bridging or multiplexing functions are performed. The bridging functions are performed. The bridging functions performed may be to connect three or more customer designated premises in a multipoint arrangement as set forth in Paragraph 7.3.7, following. The multiplexing functions are to channelize analog or digital facilities to individual services requiring a lower capacity or bandwidth.

Descriptions for each of the available Optional Features and Functions are set forth in Paragraph 7.2, following.

7.1.3 Service Configurations

There are four types of service configurations over which Special (CT) Access Services are provided: two-point service, multipoint service, (AT)

WATS Access Line service and Service to Service Through Connect

Arrangement.

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Issued: FEB 2 2 1990

Effective: MAR 2 6 1990 FILED

By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

MAR 26 1990

Access Services Tariff
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Replacing 2nd Revised Sheet 5

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

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7.1 General-(Continued)

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7.1.2 Rate Categories-(Continued)

Public Service Commission

C. Optional Features and Functions-(Continued)

Examples of Optional Features and Functions that are available include, but are not limited to, the following:

- Signaling Capability
- Hubbing Functions
- Conditioning

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- Transfer Arrangements

A Hub is a Telephone Company designated serving wire center at which bridging or multiplexing functions are performed. The bridging functions performed may be to connect three or more customer designated premises in a multipoint arrangement as set forth in Paragraph 7.3.7, following. The multiplexing functions are to channelize analog or digital facilities to individual services requiring a lower capacity or bandwidth.

Descriptions for each of the available Optional Features and Functions are set forth in Paragraph 7.2, following.

7.1.3 Service Configurations

There are three types of service configurations over which Special Access Servics are provided: two-point service, multipoint service, and a WATS Access Line.

A. Two-Point Service

A two-point service connects two customer-designated premises, either on a directly connected basis or through a Hub where multiplexing functions are performed.

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Replacing 1st Revised Sheet 5

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

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7.1 General-(Continued)

7.1.2 Rate Categories-(Continued)

MISSOURI
Public Service Commission

C. Optional Features and Functions-(Continued)

Examples of Optional Features and Functions that are available include, but are not limited to, the following:

- Signaling Capability
- Hubbing Functions
- Conditioning
- Transfer Arrangements

A Hub is a Telephone Company designated serving wire center at which bridging or multiplexing functions are performed. The bridging functions performed may be to connect three or more customer designated premises in a multipoint arrangement or to connect Program Audio Services as set forth in Paragraph 7.4.7, following. The multiplexing functions are to channelize analog or digital facilities to individual services requiring a lower capacity or bandwidth.

Descriptions for each of the available Optional Features and Functions are set forth in Paragraph 7.2, following.

7.1.3 Service Configurations

(CT) There are three types of service configurations over which Special Access Services are provided: two-point service, multipoint service,

(AT) and a WATS Access Line.

A. Two-Point Service

A two-point service connects two customer-designated premises, either on a directly connected basis or through a Hub where multiplexing functions are performed.

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Effective: OCT 16 1987

(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.1 General-(Continued)
 - 7.1.2 Rate Categories-(Continued)
 - C. Optional Features and Functions-(Continued)

Examples of Optional Features and Functions that are available include, but are not limited to, the following:

- Signaling Capability
- Hubbing Functions
- Conditioning
- Transfer Arrangements

A Hub is a Telephone Company designated serving wire center at which . bridging or multiplexing functions are performed. The bridging functions performed may be to connect three or more customer designated premises in a multipoint arrangement or to connect Program Audio Services as set forth in Paragraph 7.4.7, following. The multiplexing functions are to channelize analog or digital facilities to individual services requiring a lower capacity or bandwidth.

Descriptions for each of the available Optional Features And Chiections are set forth in Paragraph 7.2, following. OCT 16 1987

7.1.3 Service Configurations

Access Services are provided: two-point service randimulations of the service.

A. Two-Point Service

A two-point service connects two customer designated premises, either on a directly connected basis or through a Hub where multiplexing functions are performed.

Access Services Tariff

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Access Services Tariff
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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

7.1.4 Service Configurations-(Continued)

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Public Service Commission

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A. Two-Point Service

A two-point service is a channel which is provided to connect two locations. The locations connected may be:

- an IC terminal location and an End User's premises, whether provided direct or through a Telephone Company-designated facility Hub,
- An IC terminal location and a Hub
- two IC terminal locations, or
- two End User's premises.

All Special Access Services may be provided as two-point service.

B. Multipoint Service

A multipoint service is a channel that is provided to connect three or more locations. The locations connected may be:

- an IC terminal location and two or more End User's premises,
- all IC terminal locations
- all End User's premises
- multiple IC terminal locations and multiple End User's premises.

Only certain types of Special Access Service are provided as multipoint services. These are so designated in the Technical Service Descriptions set forth in Paragraphs 7.2.1 and 7.2.2, following. Multipoint Service is available with a maximum of three mid-links in tandem. The specific number of bridges required for such services will be determined by the Telephone Company.

Multipoint service is provided in the following manner:

1. The Telephone Company will designate serving wire centers where bridging (by servine type) is available. These serving wire centers are referred to as Hubs 86

BY PUBLIC SERVICE COMMISSION OF MISSOUN

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Issued: DEC 29 1983

Effective: JAN 0 1 1984

Southwestern Bell Telephone Company d/b/a AT&T Missouri

Section 7 10th Revised Sheet 6 Replacing 9th Revised Sheet 6

ACCESS SERVICES

SPECIAL ACCESS SERVICE

7.1 General (cont'd)

7.1.3 Service Configurations

There are four types of service configurations over which Special Access Services are provided: two-point service, multipoint service, WATS Access Line Service(1) and Service to Service Through Connect Arrangement. (CP)

A. Two-Point Service

A two-point service connects two customer-designated premises, either on a directly connected basis or through a Hub where multiplexing or Network Reconfiguration Service functions are performed. Applicable rate elements are:

- Channel Terminations
- Channel Mileage (as applicable)
- Optional Features, BSEs and Functions (when applicable)

In addition, a Special Access Surcharge as set forth in Paragraph 7.3.2, following, and a Message Station Equipment Recovery Charge as set forth in Paragraph 7.3.3, following, and/or an Inside Wire Recovery Charge as set forth in Paragraph 7.3.9, following, may be applicable.

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(AT)

Issued: May 28, 2021 Effective: June 30, 2021

Access Services Tariff Section 7 9th Revised Sheet 6 Replacing 8th Revised Sheet 6

ACCESS SERVICES

SPECIAL ACCESS SERVICE

7.1 General (cont'd)

7.1.3 Service Configurations

There are four types of service configurations over which Special Access Services are provided: two-point service, multipoint service, WATS Access Line Service and Service to Service Through Connect Arrangement.

A. Two-Point Service

A two-point service connects two customer-designated premises, either on a directly connected basis or through a Hub where multiplexing or Network Reconfiguration Service functions are performed. Applicable rate elements are:

Channel Terminations

- Channel Mileage (as applicable)
- Optional Features, BSEs and Functions (when applicable)

In addition, a Special Access Surcharge as set forth in Paragraph 7.3.2, following, and a Message Station Equipment Recovery Charge as set forth in Paragraph 7.3.3, following, and/or an Inside Wire Recovery Charge as set forth in Paragraph 7.3.9, following, may be applicable.

Issued: January 3, 2003 Effective: February 2, 2003

CANCELLED June 30, 2021 Missouri Public Service Commission JI-2021-0210

By CINDY BRINKLEY, President-Missouri Southwestern Bell Telephone, L.P., d/b/a SBC Missouri St. Louis, Missouri

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ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

AUG 26 1994

- 7.1 General-(Continued)
- 7.1.3 Service Configurations

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There are four types of service configurations over which Special Access Services are provided: two-point service, multipoint service, WATS Access Line Service and Service to Service Through Connect Arrangement.

A. Two-Point Service

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A two-point service connects two customer-designated premises, either on a directly connected basis or through a Hub where multiplexing or Network Reconfiguration Service or Transport Resource Management Service functions are performed. Applicable rate elements are:

- Channel Terminations
- Channel Mileage (as applicable)
- Optional Features, BSEs and Functions (when applicable)

In addition, a Special Access Surcharge as set forth in Paragraph 7.3.2, following, and a Message Station Equipment Recovery Charge as set forth in Paragraph 7.3.3, following, and/or an Inside Wire Recovery Charge as set forth in Paragraph 7.3.9, following, may be applicable.

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ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

MAR 29 1993

7.1 General-(Continued)

MISSOURI Public Service Commission

7.1.3 Service Configurations

There are four types of service configurations over which Special Access Services are provided: two-point service, multipoint service, WATS Access Line Service and Service to Service Through Connect Arrangement.

A. Two-Point Service

(AT)

A two-point service connects two customer-designated premises, either on a directly connected basis or through a Hub where multiplexing or Network Reconfiguration Service functions are performed. Applicable rate elements are:

- Channel Terminations

- Channel Mileage (as applicable)

- Optional Features, BSEs and Functions (when applicable)

In addition, a Special Access Surcharge as set forth in Paragraph 7.3.2, following, and a Message Station Equipment Recovery Charge as set forth in Paragraph 7.3.3, following, and/or an Inside Wire Recovery Charge as set forth in Paragraph 7.3.9, following, may be applicable.

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BY R.S. Commission

Public Service Commission

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Issued: MAR 2 6 1993 Effective:

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SPECIAL ACCESS SERVICE-(Continued)

AUG 9 1991

7.1 General-(Continued)

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7.1.3 Service Configurations

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There are four types of service configurations over which Special Access Services are provided: two-point service, multipoint service, WATS Access Line Service and Service to Service Through Connect Arrangement.

Two-Point Service

A two-point service connects two customer-designated premises, either on a directly connected basis or through a Hub where multiplexing or Network Reconfiguration Service functions are performed. Applicable rate elements

- Channel Terminations
- Channel Mileage (as applicable)
- Optional Features and Functions (when applicable)

In addition, a Special Access Surcharge as set forth in Paragraph 7.3.2, following, and a Message Station Equipment Recovery Charge as set forth in Paragraph 7.3.3, following, and/or an Inside Wire Recovery Charge as set forth in Paragraph 7.3.9, following, may be applicable.

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Replacing 4th Revised Sheet 6

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.1 General-(Continued)

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7.1.3 Service Configurations-(Continued)

MISSOURI
Public Service Commission

A. Two-Point Service

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A two-point service connects two customer-designated premises, either on a directly connected basis or through a Hub where multiplexing or Network Reconfiguration Service functions are performed. Applicable rate elements are:

- Channel Terminations
- Channel Mileage (as applicable)
- Optional Features and Functions (when applicable)

In addition, a Special Access Surcharge as set forth in Paragraph 7.3.2, following, and a Message Station Equipment Recovery Charge as set forth in Paragraph 7.3.3, following, and/or an Inside Wire Recovery Charge as set forth in Paragraph 7.3.9, following, may be applicable.

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Public Service Commission MISSOURI

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Section 7
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Replacing 3rd Revised Sheet 6

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.1 General-(Continued)

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7.1.3 Service Configurations-(Continued)

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(MT) A. Two-Point Service

A two-point service connects two customer-designated premises, either on a directly connected basis or through a Hub where multiplexing functions are performed. Applicable rate elements are:

- Channel Terminations
- Channel Mileage (as applicable)
- Optional Features and Functions (when applicable)

In addition, a Special Access Surcharge as set forth in Paragraph 7.3.2, and a Hessage Station Equipment Recovery Charge as set forth in Paragraph 7.3.3, following, and/or an Inside Wire Recovery Charge as set forth in Paragraph 7.3.9, following, may be applicable.

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Public Service Commission

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Access Services Tariff Section 7 3rd Revised Sheet 6 Replacing 2nd Revised Sheet 6

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.1 General-(Continued)

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7.1.3 Service Configurations-(Continued)

Public Service Commission

A. Two-Point Service-(Continued)

Applicable rate elements are:

- Channel Terminations

- Channel Mileage (as applicable)

- Optional Features and Functions (when applicable)

(FC) In addition, a Special Access Surcharge as set forth in Paragraph 7.3.2,

and a Message Station Equipment Recovery Charge as set forth in

(FU) Paragraph 7.3.3, following, and/or an Inside Wire Recovery Charge as set (FO)

forth in Paragraph 7.3.9, following, may be applicable.

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MAR 26 1990
BY 45 AS # 6 Public Service Commission

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Issued: SEP 2 5 1989

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Access Services Tariff
Section 7
2nd Revised Sheet 6

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(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.1 General-(Continued)
 - 7.1.3 Service Configurations-(Continued)
 - A. Two-Point Service-(Continued)

Applicable rate elements are:

- Channel Terminations
- Channel Mileage (as applicable)
- Optional Features and Functions (when applicable)

In addition, a Special Access Surcharge as set forth in Paragraph 7.4.2, following, and a Message Station Equipment Recovery Charge as set forth in Paragraph 7.4.3, following, and/or an Inside Wire Recovery Charge as set forth in Paragraph 7.4.9, following, may be applicable.

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Public Service Commission
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Public Service Commission

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JUN 27 1986

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Access Services Tariff Section 7 1st Revised Sheet 6 Replacing Original Sheet 6

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Public Service Commission

SPECIAL ACCESS SERVICE

- 7.1 General-(Continued)
- 7.1.4 Service Configurations-(Continued)
- B. Multipoint Service-(Continued)
 - The IC will specify the bridging serving wire center (i.e., Hub), selected from the Telephone Company list of available locations.
 - 3. Service will be priced as provided.
 - Access Connection from the designated IC terminal location to IC serving wire center. (Additional IC terminal locations will be treated as End User's premises.)
 - Special Transport from the IC serving wire center to the bridging serving wire center (may also be End User's serving wire center.)
 - c. Appropriate facility interface combination (per End User's premises bridged) and bridging equipment charge. The facility interfaces at the End User's premises do not have to be the same at each End User's premises on a multipoint service, but all must work in combination with a common IC terminal location facility interface. The rates to be applied at the IC terminal location are those for the facility interface combination with the highest monthly rate at the initial installation of service.

Special Transport from the bridging serving wire center to the End User's serving wire center, if required.

- Special Access Line from the End User's wire center to End User premises (per End User's location).
- End User's premises)

g. Features and functions

- VG performance

- Conditioning

OCT 15 1984

Issued: AUG 1 5 1984

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ACCESS SERVICES

- . SPECIAL ACCESS SERVICE
- 7.1 General-(Continued)
 - 7.1.4 Service Configurations-(Continued)
 - B. Multipoint Service-(Continued)
 - 2. The IC will specify the bridging serving wire center (i.e., Hub), selected from the Telephone Company list of available locations []
 - 3. Service will be priced as provided.
 - location to IC serving wire center. (Additional IC terminal locations will be treated as End User's premises.)
 - b. Special Transport from the IC serving wire center to the bridging serving wire center (may also be End User's serving wire center.)
 - c. Appropriate facility interface combination (per End User's premises bridged) and bridging equipment charge. The facility interfaces at the End User's premises do not have to be the same at each End User's premises on a multipoint service, but all must work in combination with a common IC terminal location facility interface. The rates to be applied at the IC terminal location are those for the facility interface combination with the highest rates at the initial installation of service.
 - d. Special Transport from the bridging serving wire center to the End User's serving wire center, if required.
 - e. Special Access Line from the End User's wire center to End User premises (per End User's location)
 - f. Special Access Service surcharge (per End User's premises)
 - g. Features and functions
 - VG performance
 - Conditioning

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Access Services Tariff

Original Sheet 6

REGETY

Section 7

Issued: DEC 29 1983

Effective: JAN 0 1 1984

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ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.1 General-(Continued)
- 7.1.3 Service Configurations-(Continued)
- A. Two-Point Service-(Continued)

The following diagram depicts a two-point Voice Grade(1) Service connecting two customer designated premises located 15 miles apart. The service is provided with C-Type conditioning.

PREMISES PREMISES Α **SWC SWC** В CT CM СТ C - TYPE CONDITIONING CT - CHANNEL TERMINATION CM - CHANNEL MILEAGE SWC - SERVING WIRE CENTER

Applicable rate elements are:

- Channel Terminations (2 applicable)
- Channel Mileage (mileage band over 8 to 25 miles)
- C-Type Conditioning Optional Feature (1 per Channel Termination)
- (1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

Issued: May 28, 2021 Effective: June 30, 2021

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Access Services Tariff
Section 7
1st Revised Sheet 7
Replacing Original Sheet 7

ACCESS SERVICES

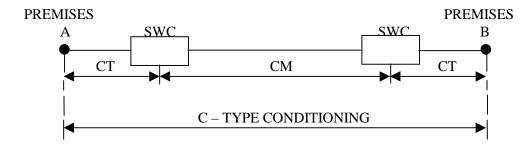
7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

7.1.3 Service Configurations-(Continued)

A. Two-Point Service-(Continued)

The following diagram depicts a two-point Voice Grade Service connecting two customer designated premises located 15 miles apart. The service is provided with C-Type conditioning.



CT - CHANNEL TERMINATION
CM - CHANNEL MILEAGE
SWC - SERVING WIRE CENTER

Applicable rate elements are:

- Channel Terminations (2 applicable)
- Channel Mileage (mileage band over 8 to 25 miles)
- C-Type Conditioning Optional Feature (1 per Channel Termination)

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Access Services Tariff
Section 7
Original Sheet 7

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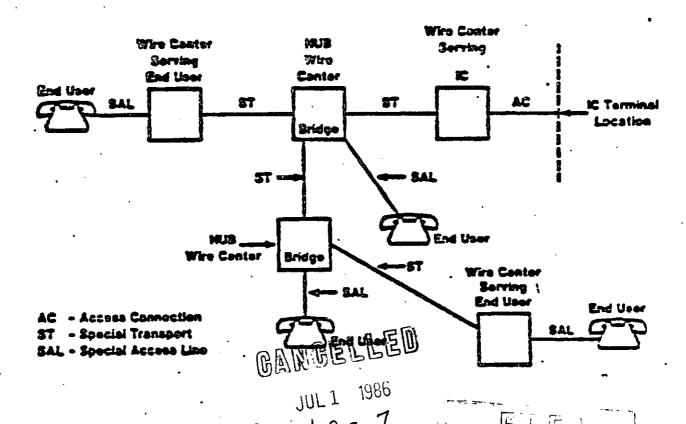
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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.1 General-(Continued)
 - 7.1.4 Service Configurations-(Continued)
 - B. Multipoint Service-(Continued)

MULTIPOINT SERVICE CONFIGURATION



As each additional leg is added to car existing multipoint service, additional Special Transport, an End User's facility angerf 25 3 Special Access Line and a Special Access Service Surcharge will be charged to the IC as required. If another bridge is connected, additional Special Transport, End User's facility interface(s), Special Access Line(s) and Special Access Service Surcharge will be charged to the IC as required.

Issued: DEC 2 9 1983

Effective:

JAN 0-1 1994

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No Supplement to this tariff will be issued except for the purpose of canceling this tariff. Access Services Tariff
Section 7
8th Revised Sheet 8
Replacing 7th Revised Sheet 8

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.1 General-(Continued)
- 7.1.3 Service Configurations-(Continued)
 - B. Multipoint Service

Multipoint service connects three or more customer-designated premises through a Telephone Company Hub. There is no limitation on the number of mid-links available with multipoint service. However, when more than three mid-links are provided in tandem, the quality of the service may be degraded. A mid-link is a channel between Hubs (i.e., bridging locations). Only certain types of Special Access Service are provided as multipoint service. These are so designated in the service descriptions set forth in Paragraph 7.2, following.

Multipoint service utilizing a customized technical specifications package as set forth in Paragraph 7.2, following, will be provided when technically possible. If the Telephone Company determines that the requested characteristics for a multipoint service are not compatible, the customer will be advised and given the opportunity to change the order.

When ordering, the customer will select the designated bridging Hub(s)

(C) for its serving wire center and the appropriate subtending wire center(s) from the National Exchange Carrier Association, Inc. Tariff filed with the F.C.C.

Applicable Rate Elements are:

- Channel Terminations (one per customer-designated premises)
- Channel Mileage (as applicable between each designated customer premises serving wire center and the designated Hub and between Hubs)
- Bridging
- Additional Optional Features, BSEs and Functions (when applicable)

In addition, the Special Access Surcharge as set forth in Paragraph 7.3.2, following, and a Message Station Equipment Recovery Charge as set forth in Paragraph 7.3.3, following, may be applicable.

Issued: March 26, 1993 Effective: April 11, 1993

Access Services Tariff Section 7 7th Revised Sheet 8 Replacing 6th Revised Sheet 8

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

AUG 9 1991

7.1 General-(Continued)

7.1.3 Service Configurations-(Continued)

MISSOURI Public Service Commission

B. Multipoint Service

Multipoint service connects three or more customer-designated premises through a Telephone Company Hub. There is no limitation on the number of mid-links available with multipoint service. However, when more than three mid-links are provided in tandem, the quality of the service may be degraded. A mid-link is a channel between Hubs (i.e., bridging locations). Only certain types of Special Access Service are provided as multipoint service. These are so designated in the service descriptions set forth in Paragraph 7.2, following.

Multipoint service utilizing a customized technical specifications package as set forth in Paragraph 7.2, following, will be provided when technically possible. If the Telephone Company determines that the requested characteristics for a multipoint service are not compatible, the customer will be advised and given the opportunity to change the order.

When ordering, the customer will select the designated bridging Hub(s) for his serving wire center and the appropriate subtending wire center(s) from the National Exchange Carrier Association, Inc. Tariff filed with the F.C.C.

Applicable Rate Elements are:

- Channel Terminations (one per customer-designated premises)
- Channel Mileage (as applicable between each designated customer premises serving wire center and the designated Hub and between Hubs)
- Bridging
- Additional Optional Features and Functions (when applicable)

In addition, the Special Access Surcharge as set forth in Paragraph 7.3.2, following, and a Message Station Equipment Recovery Charge as set forth in Paragraph 7.3.3, following, may be applicable. CANCELLED

> APR 11 1993 BY 8th R. 5#8 **Public Service Commission** MISSOURI

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Access Services Tariff
Section 7
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Replacing 5th Revised Sheet 8

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

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7.1 General-(Continued)

MISSOU代 Public Service Commission

7.1.3 Service Configurations-(Continued)

B. Multipoint Service

Multipoint service connects three or more customer designated premises through a Telephone Company Hub. There is no limitation on the number of mid-links available with multipoint service. However, when more than three mid-links are provided in tandem, the quality of the service may be degraded. A mid-link is a channel between Hubs (i.e., bridging locations). Only certain types of Special Access Service are provided as multipoint service. These are so designated in the service descriptions set forth in Paragraph 7.2, following.

Multipoint service utilizing a customized technical specifications package as set forth in Paragraph 7.2, following, will be provided when technically possible. If the Telephone Company determines that the requested characteristics for a multipoint service are not compatible, the customer will be advised and given the opportunity to change the order.

When ordering, the customer will select the designated bridging Hub(s) for his serving wire center from the National Exchange Carrier CANCELLED

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Applicable Rate Elements are:

Public Service Commission

- Channel Terminations (one per customer designated premises) MISSOURI

- Channel Mileage (as applicable between each designated customer premises serving wire center and the designated Hub and between Hubs)

Bridging

- Additional Optional Features and Functions (when applicable)

In addition, the Special Access Surcharge as set forth in Paragraph 7.3.2, following, and a Message Station Equipment Recovery Charge as set forth in Paragraph 7.3.3, following, may be applicable.

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Access Services Tariff Section 7 5th Revised Sheet 8 Replacing 4th Revised Sheet 8

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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7.1 General-(Continued)

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7.1.3 Service Configurations-(Continued)

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B. Multipoint Service

Public Service Commission

Multipoint service connects three or more customer designated premises through a Telephone Company Hub. There is no limitation on the number of mid-links available with multipoint service. However, when more than three mid-links are provided in tandem, the quality of the service may be degraded. A mid-link is a channel between Hubs (i.e., bridging locations). Only certain types of Special Access Service are provided as multipoint service. These are so designated in the service descriptions set forth in Paragraph 7.2, following.

Multipoint service utilizing a customized technical specifications package as set forth in Paragraph 7.2, following, will be provided when technically possible. If the Telephone Company determines that the requested characteristics for a multipoint service are not compatible, the customer will be advised and given the opportunity to change the order.

When ordering, the customer will select the designated bridging Hub(s) for his serving wire center from the appropriate Exchange Carrier Association's Wire Center Information Tariff filed with the F.C.C. and the Telephone Company Bridging and Hubbing List which specifies the type of bridging available at a given location and the wire centers served from that Hub.

Applicable Rate Elements are:

- Channel Terminations (one per customer designated premises)
- Channel Mileage (as applicable between each designated customer premises serving wire center and the designated Hub and between Hubs)
- Bridging
- Addition Optional Features and Functions (when applicable)

In addition, the Special Access Surcharge as set forth in Paragraph 7.3.2, following, and a Message Station Equipment Recovery Charge as set forth in Paragraph 7.3.3, following and/or an Inside Wire Recovery Charge as set forth in Paragraph 7.3.9. Following, may be applicable.

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ic conice Con By RNOD. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

Access Services Tariff Section 7 4th Revised Sheet 8 Replacing 3rd Revised Sheet 8

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.1 General-(Continued)

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7.1.3 Service Configurations-(Continued)

MISSOURI **Public Service Commission**

B. Multipoint Service

Multipoint service connects three or more customer designated premises through a Telephone Company Hub. There is no limitation on the number of mid-links available with multipoint service. However, when more than three mid-links are provided in tandem, the quality of the service may be degraded. A mid-link is a channel between Hubs (i.e., bridging locations). Only certain types of Special Access Service are provided as multipoint service. These are so designated in the service descriptions set forth in Paragraph 7.2, following.

Multipoint service utilizing a customized technical specifications package as set forth in Paragraph 7.2, following, will be provided when technically possible. If the Telephone Company determines that the requested characteristics for a multipoint service are not compatible, the customer will be advised and given the opportunity to change the order.

When ordering, the customer will select the designated bridging Hub(s) for his serving wire center from the appropriate Exchange Carrier Association's Wire Center Information Tariff filed with the F.C.C. and the Telephone Company Bridging and Hubbing List which specifies the type of bridging available at a given location and the wire centers served from

- Channel Terminations (one per customer designated premises) ce (companies) remises serving wire center and the designated and a serving wire center and the serving wire center

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- Addition Optional Features and Functions (when applicable)

In addition, the Special Access Surcharge as set forth in Paragraph 7.4.2, following, and a Message Station Equipment Recovery Charge as set forth in Paragraph 7.4.3, following, and/or an Inside Wire Recovery Charge as set forth in Paragraph 7.4.9, following, may be applicable.

Issued: AUG 15 1988

Effective: SEP 14 1988

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Access Services Tariff
Section 7
3rd Revised Sheet 8
Replacing 2nd Revised Sheet 8

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

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7.1 General-(Continued)

7.1.3 Service Configurations-(Continued)

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Public Service Commission

B. Multipoint Service

Multipoint service connects three or more customer designated premises through a Telephone Company Hub. There is no limitation on the number of mid-links available with multipoint service. However, when more than three mid-links are provided in tandem, the quality of the service may be degraded. A mid-link is a channel between Hubs (i.e., bridging locations). Only certain types of Special Access Service are provided as multipoint service. These are so designated in the service descriptions set forth in Paragraph 7.2, following.

Multipoint service utilizing a customized technical specifications package as set forth in Paragraph 7.2, following, will be provided when technically possible. If the Telephone Company determines that the requested characteristics for a multipoint service are not compatible, the customer will be advised and given the opportunity to change the order.

When ordering, the customer will specify the desired bridging Hub(s) selected from the appropriate Exchange Carrier Association Tariff filed with the F.C.C. In addition, the Telephone Company will make available a Hub list which will specify the type of bridging available at a given location and the wire centers served from that Hub.

Applicable Rate Elements are:

- Channel Terminations (one per customer designated premises)
- Channel Mileage (as applicable between each designated customer premises serving wire center and the Hub and between Hubs)
- Bridging

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- Addition Optional Features and Functions (when applicable)

In addition, the Special Access Surcharge as set forth in Paragraph 7.4.2, following, and a Message Station Equipment Recovery Charge as set forth in Paragraph 7.4.3, following, and/or an Inside Wire Recovery Charge as set forth in Paragraph 7.4.3, following, may be applicable.

SEP 14 1988

BY 4th R.S. #8

Public Service Commission
MISSOURI

JUL 1 1988 84-222 et al. Public Service Commission

Issued: MAY 2 1988

Effective: JUL 1 1988

By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

Access Services Tariff Section 7 ---2nd-Revised-Sheet 8

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(CP) ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.1 General-(Continued)
- 7.1.3 Service Configurations-(Continued)
- B. Multipoint Service

Multipoint service connects three or more customer designated premises through a Telephone Company Hub. There is no limitation on the number of mid-links available with multipoint service. However, when more than three mid-links are provided in tandem, the quality of the service may be degraded. A mid-link is a channel between Hubs (i.e., bridging locations). Only certain types of Special Access Service are provided as multipoint service. These are so designated in the service descriptions set forth in Paragraph 7.2, following.

Multipoint service utilizing a customized technical specifications package as set forth in Paragraph 7.2, following, will be provided when technically possible. If the Telephone Company determines that the requested characteristics for a multipoint service are not compatible, the customer will be advised and given the opportunity to change the order.

When ordering, the customer will specify the desired bridging Hub(s) selected from the Exchange Carrier Association Tariff, F.C.C. No. 2. In addition, the Telephone Company will make available a Hub list which will specify the type of bridging available at a given logocable the wire centers served from that Hub. JUL 11988 #8

Applicable Rate Elements are:

- Channel Terminations (one per customer designated presses - Co-

- Channel Mileage (as applicable between each designated Service Commission customer premises serving wire center and the Hulland be MISA hubs)

- Bridging

- Addition Optional Footomer

- Addition Optional Features and Functions (when applicable)

In addition, the Special Access Surcharge as set forth in Paragraph 7.4.2, following, and a Message Station Equipment Recovery Charge as set, forth in Paragraph 7.4.3, following, and/or an Inside Wire Recovery Charge as set forth in Paragraph 7.4.9, following, may be applicable.

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Public Service Commission

Issued:

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Effective:

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Access Services Tariff
Section 7
1st Revised Sheet 8
Replacing Original Sheet 8

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

7.1.5 Alternate Use

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Alternate Use occurs when an IC uses a service for differentictypesingsion transmission at different times. The IC may transfer from one type of operation to another at will, but only one type of transmission can be used at a time.

The Telephone Company will review each request for alternate use on an individual-case basis. If it agrees to allow the alternate use, the arrangement required to transfer the service from one operation to the other (i.e., the transfer relay and control leads) will be rated and provided on an individual-case basis. The IC will pay the stated tariff rates for the Access Service rate elements ordered (i.e., Access Connection, Special Transport, Facility Interface Combination and Special Access Line).

7.1.6 Special Facilities Routing

An IC may request that the facilities used to provide Special Access Service be specially routed. The regulations, rates and charges for Special Facilities Routing (i.e., Avoidance, Diversity and Cable-Only) are as set forth in Section 11, following.

7.1.7 Design Layout Report

The Telephone Company will provide to the IC the make-up of the facilities and services provided under this Tariff as Special Access to aid the IC in designing its overall service. This information will be provided in the form of a Design Layout Report. The Design Layout Report will be provided to the IC at no charge.

7.1.8 Acceptance Testing

At no additional charge, the Telephone Company will, at the IC's request, cooperatively test at the time of installation the following parameters:

- For Voice Grade (PC) Services 1, 2, 3, 6, 7, 8, 9, and 10: loss, three-tone slope, dc continuity and operational signaling. When the Access Connection provides a four-wire-voice

BY SERVICE COMMISSION PUBLIC SERVICE COMMISSION

OCT 15 1984

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Effective: OC

Public Service Commission

By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

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ACCESS SERVICES

Access Services Tariff
Section 7
Original Sheet 8

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Public Service Commission

SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

7.1.5 Alternate Use

Alternate Use occurs when an IC uses a service for different types of transmission at different times. The IC may transfer from one type of operation to another at will, but only one type of transmission can be used at a time.

The Telephone Company will review each request for alternate use on an individual-case basis. If it agrees to allow the alternate use, the arrangement required to transfer the service from one operation to the other (i.e., the transfer relay and control leads) will be rated and provided on an individual-case basis and filed in Section 12, Specialized Service or Arrangements. The IC will pay the stated tariff rates for the Access Service rate elements ordered (i.e., Access Connection, Special Transport, Facility Interface Combination and Special Access Line).

7.1.6 Special Facilities Routing

An IC may request that the facilities used to provide Special Access Service be specially routed. The regulations will be and charges for Special Facilities Routing (i.e., Avoidance, Diversity and Cable-Only) are as set forth in Section 11, following.

7.1.7 Design Layout Report

The Telephone Company will provide to the plantifier makeoup of the facilities and services provided under this Tariff as Special Access to aid the IC in designing its overall service. This information will be provided in the form of a Design Layout Report. The Design Layout Report will be provided to the IC at no charge.

7.1.8 Acceptance Testing

At no additional charge, the Telephone Company will, at the IC's request, cooperatively test at the time of installation the following parameters:

- For Voice Grade (VG) Services 1, 2, 3, 6, 7, 8, 9, and 10: loss, three-tone slope, dc continuity and operational signaling. When the Access Connection provides a four wire voice

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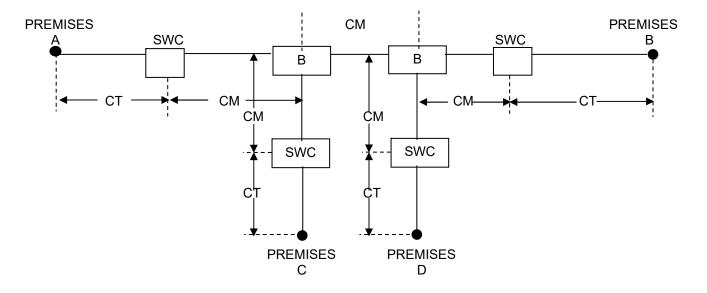
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ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.1 General-(Continued)
- 7.1.3 Service Configurations-(Continued)
 - B. Multipoint Service-(Continued)

Example: Voice Grade(1) multipoint service connecting four customer premises via two customer designated bridging hubs.

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CT **CHANNEL TERMINATION** CHANNEL MILEAGE

CM

В **BRIDGING**

SWC -SERVING WIRE CENTER

Applicable rate elements are:

- Channel Terminations (4 applicable)
- Channel Mileage (5 sections, each from appropriate mileage band)
- Bridging Optional Feature (6 applicable, i.e., each bridge port)

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

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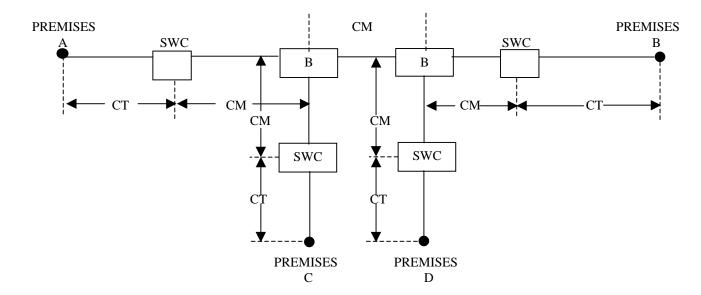
Access Services Tariff
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Replacing 1st Revised Sheet 9

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

- 7.1 General-(Continued)
- 7.1.3 Service Configurations-(Continued)
 - B. Multipoint Service-(Continued)

Example: Voice Grade multipoint service connecting four customer (CT) premises via two customer designated bridging hubs.



CT - CHANNEL TERMINATION

CM – CHANNEL MILEAGE B – BRIDGING

SWC - SERVING WIRE CENTER

Applicable rate elements are:

- Channel Terminations (4 applicable)
- Channel Mileage (5 sections, each from appropriate mileage band)
- Bridging Optional Feature (6 applicable, i.e., each bridge port)

Issued: August 15, 1988 Effective: September 14, 1988

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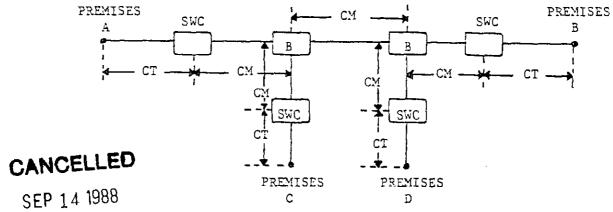
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(CP)ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.1 General-(Continued)
- 7.1.3 Service Configurations-(Continued)
 - B. Multipoint Service-(Continued)

Example: Voice Grade multipoint service connecting four customer premises via two customer specified bridging hubs.



BY 2nd P.S. #9 Public Service Commission MISSOURI

CT - CHANNEL TERMINATION

CM - CHANNEL MILEAGE

B - BRIDGING

SWC- SERVING WIRE CENTER

Applicable rate elements are:

- Channel Terminations (4 applicable)

- Channel Mileage (5 sections, each from appropriate mileage band)

- Bridging Optional Feature (6 applicable, i.e., each bridge port)

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Access Services Tariff
Section 7
Original Sheet 9

ACCESS SERVICES

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- SPECIAL ACCESS SERVICE-(Continued)
- 7.1 General-(Continued)
- 7.1.8 Acceptance Testing-(Continued)

transmission interface and the network interface provides two-wire voice transmission, (i.e., there is a four-wire to two-wire conversion in Special Transport), balance (equal level echo path loss) may also be tested. Additionally, C-notched noise tests will be provided on VG6, 7, 8, 9 and 10.

~ All other Access Services will be tested to the performance parameters specified for the individual services.

If acceptance tests are not started within 30 minutes after the scheduled appointment time for such tests, as negotiated between the Telephone Company and the IC, additional charges will apply, as set forth in Section 13, Paragraph 13.2.6, following.

7.1.9 Ordering Options and Conditions

There are two ordering options available to an IC in the provision of Special Access Service. These are:

- Access Order
- Planned Facilities Order

These options are set forth in detail in Section 5, preceding, as are the conditions under which the options may be elected. Cancellation charges associated with these options are also included in Section 5, preceding.

7.1.10 Jurisdictional Report Requirements

When an IC orders Special Access Service for both interstate and intrastate use, the IC is responsible for providing reports as set forth in Section 2, Paragraph 2.3.15, preparation than will be apportioned in accordance with these reports.

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Effective: JAN 0 1 1984

ACCESS SERVICES

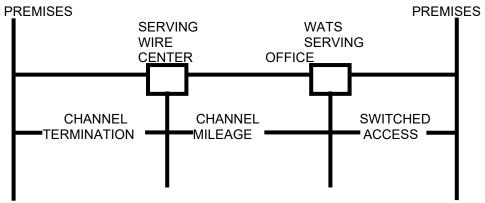
- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.1 General-(Continued)
- 7.1.3 Service Configurations-(Continued)
 - C. WATS Access Line Service(1)

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WATS Access Line (WAL) provides a Voice Grade(1) Channel Termination and Channel Mileage, where appropriate, between the End User premises and the WATS serving office and is used in conjunction with Switched Access Service as set forth in Section 6, Paragraph 6.2.5 and 6.3.6, preceding.

raph 6.2.5 and 6.3.6, preceding.

The following diagram depicts a WATS Access Line Service connecting a customer designated premises to the WATS serving office. The customer's serving wire center and the WATS serving office are located 10 miles apart.



Applicable rate elements for the WATS Access Line are:

- Channel Termination (1 applicable)
- Channel Mileage (mileage band over 8 to 25 miles)
- Optional Features and Functions (when applicable)

In addition, a Special Access Surcharge, as set forth in 7.3.2, following, a Message Station Equipment Recovery Charge as set forth in 7.3.3, following, and/or an Inside Wire Recovery Charge as set forth in 7.3.9, following, may be applicable.

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

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Access Services Tariff Section 7 2nd Revised Sheet 9.01 Replacing 1st Revised Sheet 9.01

ACCESS SERVICES

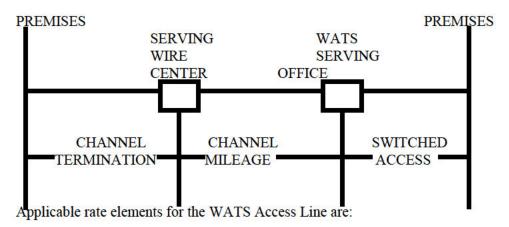
- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.1 General-(Continued)

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- 7.1.3 Service Configurations-(Continued)
 - C. WATS Access Line Service

WATS Access Line (WAL) provides a Voice Grade Channel Termination and Channel Mileage, where appropriate, between the End User premises and the WATS serving office and is used in conjunction with Switched Access Service as set forth in Section 6, Paragraph 6.2.5 and 6.3.6, preceding.

The following diagram depicts a WATS Access Line Service connecting a customer designated premises to the WATS serving office. The customer's serving wire center and the WATS serving office are located 10 miles apart.



- Channel Termination (1 applicable)
- Channel Mileage (mileage band over 8 to 25 miles)
- Optional Features and Functions (when applicable)

In addition, a Special Access Surcharge, as set forth in 7.3.2, following, a Message Station Equipment Recovery Charge as set forth in 7.3.3, following, and/or an Inside Wire Recovery Charge as set forth in 7.3.9, following, may be applicable.

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June 30, 2021 Missouri Public

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7. SPECIAL ACCESS SERVICE-(Continued)

SEP 25 1989

7.1 General-(Continued)

7.1.3 Service Configurations-(Continued)

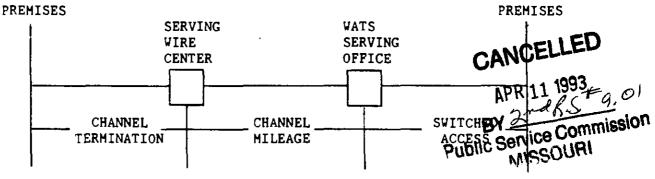
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C. WATS Access Line Service

WATS Access Line (WAL) provides a Voice Grade Channel Termination and Channel Mileage, where appropriate, between the End User premises and the WATS serving office and is used in conjunction with Switched Access Service as set forth in Paragraph 6.2.5, preceding.

The following diagram depicts a WATS Access Line Service connecting a customer designated premises to the WATS serving office. The customer's serving wire center and the WATS serving office are located 10 miles apart.



Applicable rate elements for the WATS Access Line are:

- Channel Termination (l applicable)
- Channel Mileage (mileage band over 8 to 25 miles)
- Optional Features and Functions (when applicable)

In addition, a Special Access Surcharge, as set forth in 7.3.2, following, a Message Station Equipment Recovery Charge as set forth in 7.3.3, following, and/or an Inside Wire Recovery Charge as set forth in 7.3.9, following may be applicable.

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Issued: SEP 2 5 1989

Effective: OCT 1 1989

Access Services Tariff Section 7 Original Sheet 9.01

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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7.1 General-(Continued)

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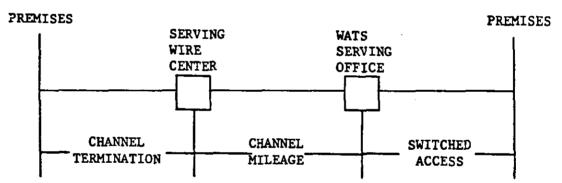
7.1.3 Service Configurations-(Continued)

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(AT) C. WATS Access Line Service

WATS Access Line (WAL) provides a Voice Grade Channel Termination and Channel Mileage, where appropriate, between the End User premises and the WATS serving office and is used in conjunction with Switched Access Service as set forth in Paragraph 6.2.5, preceding.

The following diagram depicts a WATS Access Line Service connecting a customer designated premises to the WATS serving office. The customer's serving wire center and the WATS serving office are located 10 miles apart.



Applicable rate elements for the WATS Access Line are:

- Channel Termination (1 applicable)
- Channel Mileage (mileage band over 8 to 25 miles)
- Optional Features and Functions (when applicable)

In addition, a Special Access Surcharge, as set forth in 7.4.2, following, a Message Station Equipment Recovery Charge as set forth in 7.4.3, following, and/or an Inside Wire Recovery Charge as set forth in 7.4.9, following may be applicable.

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Issued: OCT 1 4 1987

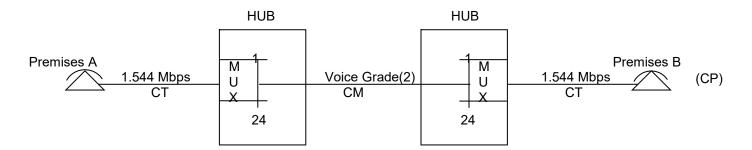
Effective: UCT 16 1987

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.1 General-(Continued)
- 7.1.3 Service Configurations-(Continued)
 - D. Service to Service Through Connect Arrangement

The following diagram depicts Voice Grade(2) Services, extended from DS1 (CP) multiplexed services, utilizing a through connect arrangement in a Telephone Company Hub.

Additional channel mileage was required to co-terminate the services.



CT - Channel Termination

CM - Channel Mileage

0 - Service to Service Through Connect Arrangement

Applicable Rate Elements are:

- Two 1.544 Mbps Channel Terminations (1)
- Two DS1 to Voice Multiplexers (1)
- Voice Grade(2) Channel Mileage
- Multiplexer to Multiplexer Service to Service Through Connect Arrangement

(1) Service already established

Issued: May 28, 2021

(2) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

Effective: June 30, 2021

(CP)

Access Services Tariff
Section 7
Original Sheet 9.02

ACCESS SERVICES

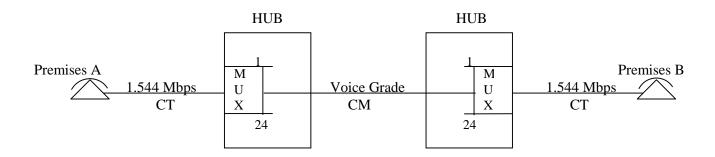
7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

7.1.3 Service Configurations-(Continued)

D. Service to Service Through Connect Arrangement

The following diagram depicts Voice Grade Services, extended from DS1 multiplexed services, utilizing a through connect arrangement in a Telephone Company Hub. Additional channel mileage was required to co-terminate the services.



CT - Channel Termination

CM - Channel Mileage

0 - Service to Service Through Connect Arrangement

Applicable Rate Elements are:

- Two 1.544 Mbps Channel Terminations (1)
- Two DS1 to Voice Multiplexers (1)
- Voice Grade Channel Mileage
- Multiplexer to Multiplexer Service to Service Through Connect Arrangement

(1) Service already established

Issued: February 22, 1990 Effective: March 26, 1990

Access Services Tariff Section 7 2nd Revised Sheet 10 Replacing 1st Revised Sheet 10

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

7.1.4 Alternate Use

Alternate use occurs when a service is arranged by the Telephone Company so that the customer can select different types of transmission at different times. A customer may use a service in any privately beneficial manner. However, where technical or engineering changes are required to effectuate an alternate use, the Telephone Company will make such special arrangements available on an individual-case basis.

The arrangement required to transfer the service from one operation to the other (i.e., the transfer relay and control leads) will be rated and provided on an individual case basis. The customer will pay the stated tariff rates for the Access Service rate elements for the service ordered (i.e., Channel Terminations, Channel Mileage [as applicable] and Optional Features, BSEs and Functions [if any]).

7.1.5 Special Facilities Routing

A customer may request that the facilities used to provide Special Access Service be specially routed. The regulations, rates and charges for Special Facilities Routing (i.e., Avoidance, Diversity and Cable-Only) are set forth in Section 11., following.

7.1.6 Design Layout Report

At the request of the customer, the Telephone Company will provide to the customer the make-up of the facilities and services provided under this tariff as Special Access Service to aid the customer in designing its overall service. This information will be provided in the form of a Design Layout Report. The Design Layout Report will be provided to the customer at no charge and will be reissued or updated whenever these facilities are materially changed.

7.1.7 Acceptance Testing

At no additional charge, the Telephone Company will, at the customer's request, cooperatively test, at the time of installation, the following parameters:

April 11, 1993 March 26, 1993 Effective:

> By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

(AT)

Issued:

Access Services Tariff Section 7 1st Revised Sheet 10

(CP)ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

7.1.4 Alternate Use

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Alternate use occurs when a service is arranged by the Telephone Company so that the customer can select different types of transmission at different times. A customer may use a service in any privately beneficial manner. However, where technical or engineering changes are required to effectuate an alternate use, the Telephone Company will make such special arrangements available on an individual-case basis.

The arrangement required to transfer the service from one operation to the other (i.e., the transfer relay and control leads) will be rated and provided on an individual case basis. The customer will pay the stated tariff rates for the Access Service rate elements for the service ordered (i.e., Channel Terminations, Channel Mileage [as applicable] and

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Design Layout Report

At the request of the

7.1.6 Design Layout Report

At the request of the customer, the Telephone Company will provide to the customer the make-up of the facilities and services provided under this tariff as Special Access Service to aid the customer in designing its overall service. This information will be provided in the form of a Design Layout Report. The Design Layout Report will be provided to the customer at no charge and will be reissued or updated whenever these facilities are materially changed.

7.1.7 Acceptance Testing

At no additional charge, the Telephone Company will, at the customer's request, cooperatively test, at the time of installation, the to Howing parameters:

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service

Special Access Service may be either analog or digital. Analog services are differentiated by spectrum and bandwidth. Digital services are differentiated by bit rate.

. There are five major categories of analog service and three digital services. These are:

- Analog: Narrowband

Voice Grade Program Audio Wideband

Dedicated Access Line Service

- Digital: Wideband

> Digital Data High Capacity

Each of these, except Dedicated Access Line Service, are further broken down into a number of subcategories.

This Section includes the technical service descriptions for each type of analog and digital service provided, typical applications for which each type of service can be used, the optional features or functions available with specific services, transmission performances and the available Facility Interface (FI) combinations with which service can be provided. The Facility Interface codes are described in Paragraph 7.3, following.

The Telephone Company will maintain existing transmission performance on service configurations installed prior to January 1, 1984. All service configurations installed after January 1, 1984, will conform to the transmission performance standards contained in this Tariff, except as follows. Where local facility conditions cannot support the transmission performance standards contained in this Tariff, transmission standards that can be sup-

ported will be uniformly applied to all

JUL 1 1986 · PUBLIC SERVICE COMMISSION OF MISSOURI

DEC 2 9 1983 Issued:

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Southwestern Bell Telephone Company d/b/a AT&T Missouri

Section 7 7th Revised Sheet 11 Replacing 6th Revised Sheet 11

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.1 General-(Continued)
- 7.1.7 Accepting Testing-(Continued)
 - A. For Voice Grade(1) analog services, (including WATS Access Lines)(1) acceptance tests will include (CP) tests for loss, three-tone slope, DC continuity, operational signaling, C-notched noise and C-message noise when these parameters are applicable and specified in the order for service. Additionally, for Voice Grade(1) Services, a balance (improved loss) test will be made if the customer has ordered the (CP) Improved Return Loss or Improved Equal Level Echo Path Loss optional features.
 - B. For other analog services, acceptance tests will include tests for the parameters applicable to the service and specified in the order for service.
 - C. For digital services, acceptance tests will include tests applicable to the service as specified in the technical references listed in Paragraph 7.2, following.

In addition to the above tests, Additional Cooperative Acceptance Testing for Voice Grade(1) (CP) Services and Digital to test other parameters, as described in Section 13, Paragraph 13.3.5, B., following, is available at the customer's request. All test results will be made available to the customer upon request.

7.1.8 Ordering Options and Conditions

Issued: May 28, 2021

Special Access Service is ordered under the Access Order Provisions set forth in Section 5. preceding. Also included in that section are other charges which may be associated with ordering Special Access Service (e.g., Service Date Change Charges, Cancellation Charges, etc.).

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (AT)

(AT)

Effective: June 30, 2021

Access Services Tariff
Section 7
6th Revised Sheet 11
Replacing 5th Revised Sheet 11

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

7.1.7 Accepting Testing-(Continued)

- A. For Voice Grade analog services, (including WATS Access Lines) acceptance tests will include tests for loss, three-tone slope, DC continuity, operational signaling, C-notched noise and C-message noise when these parameters are applicable and specified in the order for service. Additionally, for Voice Grade Services, a balance (improved loss) test will be made if the customer has ordered the Improved Return Loss or Improved Equal Level Echo Path Loss optional features.
- B. For other analog services, acceptance tests will include tests for the parameters applicable to the service and specified in the order for service.
- C. For digital services, acceptance tests will include tests applicable to the service as specified in the technical references listed in Paragraph 7.2, following.

In addition to the above tests, Additional Cooperative Acceptance Testing for Voice Grade Services and Digital to test other parameters, as described in Section 13, Paragraph 13.3.5, B., following, is available at the customer's request. All test results will be made available to the customer upon request.

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7.1.8 Ordering Options and Conditions

Special Access Service is ordered under the Access Order Provisions set forth in Section 5, preceding. Also included in that section are other charges which may be associated with ordering Special Access Service (e.g., Service Date Charge Charges, Cancellation Charges, etc.).

Issued: January 10, 1997 February 10, 1997

JI-2021-0210

Access Services Tariff
Section 7
5th Revised Sheet 11
Replacing 4th Revised Sheet 11

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

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7.1 General-(Continued)

7.1.7 Accepting Testing-(Continued)

- A. For Voice Grade analog services, (including WATS Access Lines) acceptance tests will include tests for loss, three-tone slope, DC continuity, operational signaling, C-notched noise and C-message noise when these parameters are applicable and specified in the order for service. Additionally, for Voice Grade Services, a balance (improved loss) test will be made if the customer has ordered the Improved Return Loss or Improved Equal Level Echo Path Loss optional features.
- B. For other analog services, acceptance tests will include tests for the parameters applicable to the service and specified in the order for service.
- C. For digital services, acceptance tests will include tests applicable to the service as specified in the technical references listed in Paragraph 7.2, following.

In addition to the above tests, Additional Cooperative Acceptance Testing for Voice Grade Services and Digital to test other parameters, as described in Section 13, Paragraph 13.3.5, B., following, is available at the customer's request. All test results will be made available to the customer upon request.

(AT) D. For Business Video Service, acceptance tests will include tests applicable to the service as specified in the technical references listed in Paragraph 7.2, following.

7.1.8 Ordering Options and Conditions

Special Access Service is ordered under the Access Order Provisions set forth in Section 5, preceding. Also included in that section are other charges which may be associated with ordering Special Access Service (e.g., Service Date Charges, Cancellation Charges, etc.).

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Issued: FEB 0 9 1993

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Access Services Tariff Section 7 4th Revised Sheet 11 Replacing 3rd Revised Sheet 11

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

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7.1 General-(Continued)

7.1.7 Accepting Testing-(Continued)

MISSOURI Public Service Commission

- A. For Voice Grade analog services, (including WATS Access Lines) acceptance tests will include tests for loss, three-tone slope, DC continuity, operational signaling, C-notched noise and C-message noise when these parameters are applicable and specified in the order for service. Additionally, for Voice Grade Services, a balance (improved loss) test will be made if the customer has ordered the Improved Return Loss or Improved Equal Level Echo Path Loss optional features.
- (RT) B. For other analog services, acceptance tests will include tests for the parameters applicable to the service and specified in the order for service.
- (AT) C. For digital services, acceptance tests will include tests applicable to the service as specified in the technical references listed in Paragraph 7.2, (TA) following.
- In addition to the above tests, Additional Cooperative Acceptance Testing (AT) for Voice Grade Services and Digital to test other parameters, as described (AT) in Section 13, Paragraph 13.3.5, B., following, is available at the customer's request. All test results will be made available to the customer upon request.
 - 7.1.8 Ordering Options and Conditions

Special Access Service is ordered under the Access Order Provisions set forth in Section 5, preceding. Also included in that section are other charges which may be associated with ordering Special Access Service (e.g., Service Date Change Charges, Cancellation Charges, etc.).

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Access Services Tariff Section 7 3rd Revised Sheet 11 Replacing 2nd Revised Sheet 11

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

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MISSOURI Public Service Commission

- 7.1.7 Accepting Testing-(Continued)
 - A. For Voice Grade analog services (including VATS Access Lines) acceptance tests will include tests for loss, three-tone slope, DC, continuity, operational signaling, C-notched noise and C-message noise when these parameters are applicable and specified in the order for service. Additionally, for Voice Grade Services, a balance (improved loss) test will be made if the customer has ordered the Improved Return Loss or Improved Equal Level Echo Path Loss optional features.
 - B. For other analog services and for digital service, acceptance tests will include tests for the parameters applicable to the service and specified in the order for service.

In addition to the above tests, Additional Cooperative Acceptance Testing for Voice Grade Service to test other parameters, as described in Paragraph 13.3.5, B., following, is available at the customer's request. All test results will be made available to the customer upon request.

7.1.8 Ordering Options and Conditions

Special Access Service is ordered under the Access Order Provisions set forth in Section 5, preceding. Also included in that section are other charges which may be associated with ordering Special Access Service (e.g., Service Date Change Charges, Cancellation Charges, etc.).

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Issued: FEB 2 2 1990

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Access Services Tariff
Section 7
2nd Revised Sheet 11
Replacing 1st Revised Sheet 11

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

OCT-1 3 1987

7.1 General-(Continued)

MISSOURI
Public Service Commission

7.1.7 Accepting Testing-(Continued)

- (AT) A. For Voice Grade analog services (including WATS Access Lines) acceptance tests will include tests for loss, three-tone slope, DC continuity, operational signaling, C-notched noise and C-message noise when these parameters are applicable and specified in the order for service. Additionally, for Voice Grade Services, a balance (improved loss) test will be made if the customer has ordered the improved loss optional feature.
 - B. For other analog services and for digital service, acceptance tests will include tests for the parameters applicable to the service and specified in the order for service.

In addition to the above tests, Additional Cooperative Acceptance Testing for Voice Grade Service to test other parameters, as described in Paragraph 13.3.5, B., following, is available at the customer's request. All test results will be made available to the customer upon request.

7.1.8 Ordering Options and Conditions

Special Access Service is ordered under the Access Order Provisions set forth in Section 5, preceding. Also included in that section are other charges which may be associated with ordering Special Access Service (e.g., Service Date Change Charges, Cancellation Charges, etc.).

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Issued: OCT 1 4 1987.

Effective: OCT 16 1987

Access Services Tariff
Section 7
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Replacing Original Sheet

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Public Service Commission

(CP)ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

7.1.7 Accepting Testing-(Continued)

- A. For Voice Grade analog services, acceptance tests will include tests for loss, three-tone slope, DC continuity, operational signaling, C-notched noise and C-message noise when these parameters are applicable and specified in the order for service. Additionally, for Voice Grade Services, a balance (improved loss) test will be made if the customer has ordered the improved loss optional feature.
- B. For other analog services and for digital service, acceptance tests will include tests for the parameters applicable to the service and specified in the order for service.

In addition to the above tests, Additional Cooperative Acceptance Testing for Voice Grade Service to test other parameters, as described in Paragraph 13.3.5, 3., following, is available at the customer's request. All test results will be made available to the customer upon request.

7.1.8 Ordering Options and Conditions

Special Access Service is ordered under the Access Order Provisions set forth in Section 5, preceding. Also included in that section are other charges which may be associated with ordering Special Access Service (e.g., Service Date Charges, Cancellation Charges, etc.).

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Issued:

JUN 27 1986

Effective:

JUL 1 1986

Access Services Tariff Section 7 Original Sheet 11

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

- 7.2 Technical Service Descriptions for Special Access Service-(Continued) Special Access Service-(Continued)
 - 7.2.1 Analog Services
 - A. Narrowband Services
 - Narrowband 1 (NB1) Special Access Service
 - a. Description

Special Access Service NB1 provides a channel for a balanced metallic pair between an IC terminal location and an End User's premises. Service will be provided only where appropriate metallic facilities are available. Signal transfer rates up to 30 baud will be accommodated.

b. Illustrative Applications

Special Access Service NB1 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as:

- Protective Alarm (Direct Wire)
- Wire Pair Facility
- c. Optional Features
 - Bridging: provision of tip-to-tip and ring-to-ring connection in a central office of a metallic pair of a second End User's location.
 - four fire metallic facility must buy two - Customers requiring a NB1 services. JÜL 1 1986

d. Transmission Performance

- Leakage

Leakage

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Remedial action will be initiated when dc resistance between the conductors in each customer pair or the resistance between individual serving pair conductors and ground is beserved to be less than 30,000 ohms. JAN = 1 (SU)

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DEC 2 9 1983 Issued:

JAN 0 1 1984 Effective:

Company d/b/a AT&T Missouri

P.S.C. Mo. - No. 36 ACCESS SERVICES TARIFF

Section 7 9th Revised Sheet 12 Replacing 8th Revised Sheet 12

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions

For the purposes of ordering, there are eight categories of Special Access Service. These are:

Each service consists of a basic channel to which a technical specifications package (customized or predefined), channel interface(s) and, when desired, optional features, BSEs and functions are added to construct the service desired by the customer. Each of the components of the service are described in this section.

Customized technical specifications packages will be provided where technically feasible. If the Telephone Company determines that the requested parameter specifications are not compatible, the customer will be advised and given the opportunity to change the order.

When a customized channel is ordered the customer will be notified whether Additional Engineering Charges apply. In such cases, the customer will be given an estimate of the hours to be billed before any further action is taken on the order.

The channel description specifies the characteristics of the basic channel and indicates whether the channel is provided between customer designated premises or between a customer designated premises and a Telephone Company Hub where bridging or multiplexing functions are performed.

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(AT)

(AT)

Effective: June 30, 2021

P.S.C. Mo. - No. 36 ACCESS SERVICES TARIFF

Southwestern Bell Telephone Company d/b/a AT&T Missouri Section 7 8th Revised Sheet 12 Replacing 7th Revised Sheet 12

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions

For the purposes of ordering, there are eight categories of Special Access Service. These are:

Metallic (MT) Telegraph Grade (TG) Voice Grade (VG)

(RT) (RT)

> MegaLink Data (DA) High Capacity (HC)

Each service consists of a basic channel to which a technical specifications package (customized or predefined), channel interface(s) and, when desired, optional features, BSEs and functions are added to construct the service desired by the customer. Each of the components of the service are described in this section.

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The channel description specifies the characteristics of the basic channel and indicates whether the channel is provided between customer designated premises or between a customer designated premises and a Telephone Company Hub where bridging or multiplexing functions are performed.

Issued: October 21, 2014

Effective: November 20, 2014

P.S.C. Mo. - No. 36 ACCESS SERVICES TARIFF

Southwestern Bell Telephone Company d/b/a AT&T Missouri Section 7 7th Revised Sheet 12 Replacing 6th Revised Sheet 12

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions

For the purposes of ordering, there are eight categories of Special Access Service. These are:

Metallic (MT)
Telegraph Grade (TG)
Voice Grade (VG)
Wideband Analog (WA)
Wideband Data (WD)
MegaLink Data (DA)
High Capacity (HC)

(RT)

Each service consists of a basic channel to which a technical specifications package (customized or predefined), channel interface(s) and, when desired, optional features, BSEs and functions are added to construct the service desired by the customer. Each of the components of the service are described in this section.

Customized technical specifications packages will be provided where technically feasible. If the Telephone Company determines that the requested parameter specifications are not compatible, the customer will be advised and given the opportunity to change the order.

When a customized channel is ordered the customer will be notified whether Additional Engineering Charges apply. In such cases, the customer will be given an estimate of the hours to be billed before any further action is taken on the order.

The channel description specifies the characteristics of the basic channel and indicates whether the channel is provided between customer designated premises or between a customer designated premises and a Telephone Company Hub where bridging or multiplexing functions are performed.

Effective: August 18, 2012

Access Services Tariff
Section 7
6th Revised Sheet 12
Replacing 5th Revised Sheet 12

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions

(CT) For the purposes of ordering, there are eight categories of Special Access Service. These are:

Metallic (MT)
Telegraph Grade (TG)
Voice Grade (VG)
Wideband Analog (WA)
Wideband Data (WD)
MegaLink Data (DA)
High Capacity (HC)
DovLink (DOV)

(RT)

Each service consists of a basic channel to which a technical specifications package (customized or pre-defined), channel interface(s) and, when desired, optional features, BSEs and functions are added to construct the service desired by the customer. Each of the components of the service are described in this section.

Customized technical specifications packages will be provided where technically feasible. If the Telephone Company determines that the requested parameter specifications are not compatible, the customer will be advised and given the opportunity to change the order.

When a customized channel is ordered the customer will be notified whether Additional Engineering Charges apply. In such cases, the customer will be given an estimate of the hours to be billed before any further action is taken on the order.

The channel description specifies the characteristics of the basic channel and indicates whether the channel is provided between customer designated premises or between a customer designated premises and a Telephone Company Hub where bridging or multiplexing functions are performed.

Issued: January 10, 1997 February 10, 1997

Access Services Tariff
Section 7
5th Revised Sheet 12
Replacing 4th Revised Sheet 12

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions

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(CT) For the purposes of ordering, there are nine categories of Special Access Service. These are:

Metallic (MT)
Telegraph Grade (TG)
Voice Grade (VG)
Wideband Analog (WA)
Wideband Data (WD)
MegaLink Data (DA)
High Capacity (HC)
DovLink (DOV)
Business Video (BVS)

(TA)

Each service consists of a basic channel to which a technical specifications package (customized or pre-defined), channel interface(s) and, when desired, optional features, BSEs and functions are added to construct the service desired by the customer. Each of the components of the service are described in this section.

Customized technical specifications packages will be provided where technically feasible. If the Telephone Company determines that the requested parameter specifications are not compatible, the customer will be advised and given the opportunity to change the order.

When a customized channel is ordered the customer will be notified whether Additional Engineering Charges apply. In such cases, the customer will be given an estimate of the hours to be billed before any further action is taken on the order.

The channel description specifies the characteristics of the basic channel and indicates whether the channel is provided between customer designated premises or between a customer designated premises and a Telephone Company Hub where bridging or multiplexing functions are performed.

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Issued: FEB 0 9 1993

Effective: MAR-1-1-1993

Access Services Tariff
Section 7
4th Revised Sheet 12
Replacing 3rd Revised Sheet 12
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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

MAR 29 1993

7.2 Service Descriptions

MISSOURI Public Service Commission

For the purposes of ordering, there are eight categories of Special Access Service. These are:

Metallic (MT)
Telegraph Grade (TG)
Voice Grade (VG)
Wideband Analog (WA)
Wideband Data (WD)
MegaLink Data (DA)
High Capacity (HC)
DovLink (DOV)

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BY AR Commission

Public Service Commission

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Each service consists of a basic channel to which a technical specifications package (customized or pre-defined), channel interface(s) and, when desired, optional features, BSEs and functions are added to construct the service desired by the customer. Each of the components of the service are described in this section.

Customized technical specifications packages will be provided where technically feasible. If the Telephone Company determines that the requested parameter specifications are not compatible, the customer will be advised and given the opportunity to change the order.

When a customized channel is ordered the customer will be notified whether Additional Engineering Charges apply. In such cases, the customer will be given an estimate of the hours to be billed before any further action is taken on the order.

The channel description specifies the characteristics of the basic channel and indicates whether the channel is provided between customer designated premises or between a customer designated premises and a Telephone Company Hub where bridging or multiplexing functions are performed.

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Access Services Tariff
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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions
- (CT) For the purposes of ordering, there are eight categories of Special Access Service. These are:

Metallic (MT)
Telegraph Grade (TG)
Voice Grade (VG)
Wideband Analog (WA)
Wideband Data (WD)
MegaLink Data (DA)
High Capacity (HC)
DovLink (DOV)

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Public Service Commission
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Each service consists of a basic channel to which a technical specifications package (customized or pre-defined), channel interface(s) and, when desired, optional features and functions are added to construct the service desired by the customer. Each of the components of the service are described in this section.

Customized technical specifications packages will be provided where technically feasible. If the Telephone Company determines that the requested parameter specifications are not compatible, the customer will be advised and given the opportunity to change the order.

When a customized channel is ordered the customer will be notified whether Additional Engineering Charges apply. In such cases, the customer will be given an estimate of the hours to be billed before any further action is taken on the order.

The channel description specifies the characteristics of the basic channel and indicates whether the channel is provided between customer-designated premises or between a customer-designated premises and a Telephone Company Hub where bridging or multiplexing functions are performed.

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Access Services Tariff
Section 7
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ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions

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(CT) For the purposes of ordering, there are seven categories of Special Commission Access Service. These are:

Metallic (MT)
Telegraph Grade (TG)
Voice Grade (VG)

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Wideband Analog (WA) Wideband Data (WD) MegaLink Data (DA)

Public Service Commission
MISSOURI

MegaLink Data (DA)
High Capacity (HC)

ach service consists of a basic channel to a

Each service consists of a basic channel to which a technical specifications package (customized or predefined), channel interface(s) and, when desired, optional features and functions are added to construct the service desired by the customer. Each of the components of the service are described in this section.

Customized technical specifications packages will be provided where technically feasible. If the Telephone Company determines that the requested parameter specifications are not compatible, the customer will be advised and given the opportunity to change the order.

When a customized channel is ordered the customer will be notified whether Additional Engineering Charges apply. In such cases, the customer will be given an estimate of the hours to be billed before any further action is taken on the order.

The channel description specifies the characteristics of the basic channel and indicates whether the channel is provided between customer designated premises or between a customer designated premises and a Telephone Company Hub where bridging or multiplexing functions are performed.

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Access Services Tariff
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(CP)ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions

For the purposes of ordering, there are nine categories Service Commission Access Service. These are:

Metallic (MT)
Telegraph Grade (TG)
Voice Grade (VG)
Program Audio (AP)
Wideband Analog (WA)
Wideband Data (WD)
Digital Data (DA)
High Capacity (HC)

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Public Service Commission MISSOURI

Each service consists of a basic channel to which a technical specifications package (customized or predefined), channel interface(s) and, when desired, optional features and functions are added to construct the service desired by the customer. Each of the components of the service are described in this section.

Customized technical specifications packages will be provided where technically feasible. If the Telephone Company determines that the requested parameter specifications are not compatible, the customer will be advised and given the opportunity to change the order.

When a customized channel is ordered the customer will be notified whether Additional Engineering Charges apply. In such cases, the customer will be given an estimate of the hours to be billed before any further action is taken on the order.

The channel description specifies the characteristics of the basic channel and indicates whether the channel is provided between customer designated premises or between a customer designated premises and a Telephone Company Hub where bridging or multiplexing functions are performed.

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ACCESS SERVICES

Access Services Tariff Original Section 7

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- SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Technical Service Descriptions for Special Access Service (Continued) Office (Continued)
 - 7.2.1 Analog Services-(Continued)
 - A. Narrowband Services-(Continued)
 - Narrowband 1 (NB1) Special Access Service-(Continued)
 - Available Facility Interface Combinations

IC End User 2DC8-3 2DC3-3

- 2. Narrowband 2 (NB2) Special Access Service
 - a. Description

Special Access Service NB2 provides a channel for simplex lowfrequency, narrowband electrical transmission which may be provided to a number of End User's premises (up to a maximum of 25) to form a series of electrical paths from the IC terminal location to each End User's premises. The electrical path is capable of transporting the three-level signal used in the McCulloh signaling system at speeds up to 15 bps.

Service will be provided only where appropriate metallic or other facilities are available.

b. Illustration Application

Special Access Service 182 is suitable for use as part of the facilities required provide intrastate telecommunications services such as the services such a

Protective Alamby (McCullon)

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No Supplement to this tariff will be issued except for the purpose of canceling this tariff. Access Services Tariff
Section 7
4th Revised Sheet 13
Replacing 3rd Revised Sheet 13

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

Information pertaining to the technical specification package indicates the transmission parameters that are available with each package. This information is displayed in a matrix with the transmission parameters listed down the left side and the packages listed across the top. Each package is identified by a code, e.g., VGC. The first two letters of the code indicate the category of Special Access Service to which the parameters are applicable. These two letter codes are shown above in parentheses following the category of Special Access Service. The letter "C" following the two letter code indicates the technical specification package for a customized service. An alphanumeric or alpha—numeric designation following the two letter code indicates the specific predefined package. For a customized service, the customer may select any parameter available with that category of service as long as the parameters are compatible. When appropriate, the Technical Reference which contains detailed specifications for the parameters is shown following the matrix.

Channel interfaces at each point of termination on a two-point service may be symetrical or asymetrical . On a multipoint service can only be provided between points of termination with compatible channel interfaces. Only certain channel interfaces are compatible.

Only certain channel interface combinations are available with the predefined technical specifications packages. These are delineated in the Technical References set forth at the end of this Paragraph 7.2. When a customized channel is requested, all channel interface combinations available with the specified type of service are available with the customized channel.

- The optional features, BSEs and functions available with each type of Special Access Service are described in this section. The optional features, BSEs and functions information also indicates with which technical specifications packages they are available. Such information is displayed in a
- (AT) matrix with the optional features, BSE or function listed down the left side and the technical specifications package listed across the top.

Issued: March 26, 1993 Effective: April 11, 1993

Access Services Tariff Section 7 3rd Revised Sheet 13 Replacing 2nd Revised Sheet 13

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

SEP 25 1989

7.2 Service Descriptions-(Continued)

Public Service Commission Information pertaining to the technical specifications packages indicates the transmission parameters that are available with each package. This information is displayed in a matrix with the transmission parameters listed down the left side and the packages listed across the top. Each package is identified by a code, e.g., VGC. The first two letters of the code indicate the category of Special Access Service to which the parameters are applicable. These two letter codes are shown above in parentheses following the category of Special Access Service. The letter "C" following the two letter code indicates the technical specifications package for a customized service. An alpha-numeric or alpha-numeric designation following the two letter code indicates the specific predefined package. For a customized service, the customer may select any parameters available with that category of service as long as the parameters are compatible. When appropriate, the Technical Reference which contains detailed specifications for the parameters is shown following the matrix.

Channel interfaces at each point of termination on a two-point service may be symetrical or asymetrical. On a multipoint service they may also be symetrical or asymetrical. However, communications can only be provided between points of termination with compatible channel interfaces. Only certain channel interfaces are compatible.

Only certain channel interface combinations are available with the predefined technical specifications packages. These are delineated in the Technical References set forth at the end of this Paragraph 7.2. When a customized channel is requested, all channel interface combinations available with the specified type of service are available with the customized channel.

The optional features and functions available with each type of Special Access Service are described in this section. The optional features and functions information also indicates with which technical specifications packages they are available. Such information is displayed in a matrix with the optional feature or function listed down the left side and the technical specifications package listed across the CANCELLED

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Public Service Commission

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Issu**ed:** SEP 2 5 1989

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By R. D. BARRON, President-Missouri Division Southwestern Rell Telephone Commission Southwestern Bell Telephone Company St. Louis, Missouri

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Access Services Tariff Section 7 2nd Revised Sheet 13 Replacing 1st Revised Sheet 13 RECEIVED

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

MISSOURI Public Service Commission

Information pertaining to the technical specifications packages indicates the transmission parameters that are available with each package. This information is displayed in a matrix with the transmission parameters listed down the left side and the packages listed across the top. Each package is identified by a code, e.g., VGC. The first two letters of the code indicate the category of Special Access Service to which the parameters are applicable. These two letter codes are shown above in parentheses following the category of Special Access Service. The letter "C" following the two letter code indicates the technical specifications package for a customized service. An alpha-numeric or alpha-numeric designation following the two letter code indicates the specific predefined package. For a customized service, the customer may select any parameters available with that category of service as long as the parameters are compatible. When appropriate, the Technical Reference which contains detailed specifications for the parameters is shown following the matrix.

Channel interfaces at each point of termination on a two-point service may be symetrical or asymetrical. On a multipoint service they may also be symetrical or asymetrical. However, communications can only be provided between points of termination with compatible channel interfaces. Only certain channel interfaces are compatible. These are set forth in Paragraph 7.3.5, following, in a combination format.

Only certain channel interface combinations are available with the predefined technical specifications packages. These are delineated in the Technical References set forth at the end of this Paragraph 7.2. When a customized channel is requested, all channel interface combinations available with the specified type of service are available with the customized channel.

The optional features and functions available with each type of Special Access Service are described in this section. The optional features and functions information also indicates with which technical specifications packages they are available. Such information is displayed in a matrix with the optional feature or function listed down the left side and the technical specifications package listed across the top. CANCELLE

Public Service Commission

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Issued: OCT 14 1987

By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

Access Services Tariff
Section 7
1st Revised Sheet 13
Replacing-Original Sheet 13

(CP)ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

Information pertaining to the technical specifications racing and contest the transmission parameters that are available with the transmission parameters listed down the left side and the packages listed across the top. Each package is identified by a code, e.g., VGC. The first two letters of the code indicate the category of Special Access Service to which the parameters are applicable. These two letter codes are shown above in parentheses following the category of Special Access Service. The letter "C" following the two letter code indicates the technical specifications package for a customized service. A numeric or alpha-numeric designation following the two letter code indicates the specific predefined package. For a customized service, the customer may select any parameters available with that category of service as long as the parameters are compatible. When appropriate, the Technical Reference which contains detailed specifications for the parameters is shown following the matrix.

Channel interfaces at each point of termination on a two-point service may be symetrical or asymetrical. On a multipoint service they may also be symetrical or asymetrical. However, communications can only be provided between points of termination with compatible channel Channel Control of the compatible of the compa

Only certain channel interface combinations are available well the recombination defined technical specifications packages. These are delineated in the factories in Technical References set forth at the end of this Paragraph 7.2 Compared customized channel is requested, all channel interface combinations available with the specified type of service are available with the customized channel.

The optional features and functions available with each type of Special Access Service are described in this section. The optional features and functions information also indicates with which technical specifications packages they are available. Such information is displayed in a matrix with the optional feature or function listed down the left side and the technical specifications package listed across the top.

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Access Services Tariff
Section 7
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Public Service Commission

ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service (Continued)
 - 7.2.1 Analog Services-(Continued)
 - A. Narrowband Services-(Continued)
 - 2. Narrowband 2 (NB2) Special Access Service-(Continued)
 - c. Optional Feature
 - Series Bridging: up to 25 End User's premises.
 - d. Transmission Performance
 - Leakage

Remedial action will be initiated when the dc resistance between the conductors in each serving pair and the resistance between individual serving pair conductors and ground and observed to be less than 30,000 ohms.

e. Available Facility Interface Combinations

| IC | End User | IC | End User |
|-----------|----------|-----------|----------|
| 2DC8-2 | 2DC8-1 | 4AH5-B(2) | 2DC8-1 |
| 2DC8-1 | 2DC8-2 | 4AH5-B(2) | 2DC8-2 |
| 4DS9-(1) | 2DC8-1 | 4AH6-C(2) | 2DC8-2 |
| 4DS9-(1) | 2DC8-2 | 4AH6-D(2) | 2DC8-1 |
| 4AH6-D(2) | 2DC8-2 | 4AH6-C(2) | 2DC8-1 |
| | | | |

3. Narrowband 3 NA3NNSREE 1 Access Service

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(1) See Paragraph 7.3.3, following, for explanation.

(2) Available only to IC's selecting the multiplexed four-wire High Capacity analog facility interface option at the IC terminal location and providing subsequent system and channel assignment data.

Issued: **DEC** 2 9 1983

Effective:

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

The Telephone Company will maintain existing transmission specifications on services installed prior to the effective date of this Tariff, except that the existing services with performance specifications exceeding the standard listed in this provision will be maintained at the performance levels specified in this Tariff. All services installed after the effective date of this Tariff will conform to the transmission specification standards contained in this Tariff or in the following Technical References for each category of service:

| Metallic(1) Telegraph Grade(1) | TR-NPL-0 TR-NPL-0 | | (CP) |
|-----------------------------------|----------------------|-------|------|
| Voice Grade(1) | TR-TSY-000335 | | (CP) |
| , | | | (RT) |
| | | | (RT) |
| MegaLink Data(1) | TR-NPL-000341 | | (CP) |
| . , | PUB | 62310 | , |
| High Capacity | PUB | 76625 | |
| | PUB | 62411 | |
| | TR-INS-000342 | | |

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

P.S.C. Mo. - No. 36 ACCESS SERVICES TARIFF

Southwestern Bell Telephone Company d/b/a AT&T Missouri Section 7 9th Revised Sheet 14 Replacing 8th Revised Sheet 14

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

The Telephone Company will maintain existing transmission specifications on services installed prior to the effective date of this Tariff, except that the existing services with performance specifications exceeding the standard listed in this provision will be maintained at the performance levels specified in this Tariff. All services installed after the effective date of this Tariff will conform to the transmission specification standards contained in this Tariff or in the following Technical References for each category of service:

 Metallic
 TR-NPL-000336

 Telegraph Grade
 TR-NPL-000336

 Voice Grade
 TR-TSY-000335

 Wideband Analog
 TR-NPL-000339

 Wideband Data
 TR-NPL-000340

 MegaLink Data
 TR-NPL-000341

 PUB
 62310

High Capacity PUB 76625 PUB 62411 TR-INS-000342

(RT)

Issued: July 19, 2012 Effective: August 18, 2012

Access Services Tariff
Section 7
8th Revised Sheet 14
Replacing 7th Revised Sheet 14

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

The Telephone Company will maintain existing transmission specifications on services installed prior to the effective date of this Tariff, except that the existing services with performance specifications exceeding the standard listed in this provision will be maintained at the performance levels specified in this Tariff. All services installed after the effective date of this Tariff will conform to the transmission specification standards contained in this Tariff or in the following Technical References for each category of service:

| Metallic | TR-NPL-0 | 00336 | |
|-----------------|----------|---------------|--|
| Telegraph Grade | TR-NPL-0 | 00336 | |
| Voice Grade | TR-TSY-0 | 00335 | |
| Wideband Analog | TR-NPL-0 | TR-NPL-000339 | |
| Wideband Data | TR-NPL-0 | TR-NPL-000340 | |
| MegaLink Data | TR-NPL-0 | TR-NPL-000341 | |
| | PUB | 62310 | |
| High Capacity | PUB | 76625 | |

High Capacity PUB 76625 PUB 62411

TR-INS-000342

DovLink TP-76620

(RT)

Issued: January 10, 1997 February 10, 1997

By KAREN E. JENNINGS, President-Missouri Southwestern Bell Telephone Company St. Louis, Missouri

CANCELED
August 18, 2012
Missouri Public
Service Commission
JI-2013-0048

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Issued: **FEB 0 9** 1993

Access Services Tariff Section 7 7th Revised Sheet 14 Replacing 6th Revised Sheet 14

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

Public Service Commin The Telephone Company will maintain existing transmission specifications on services installed prior to the effective date of this Tariff, except that the existing services with performance specifications exceeding the standard listed in this provision will be maintained at the performance levels specified in this Tariff. All services installed after the effective date of this Tariff will conform to the transmission specification standards contained in this Tariff or in the following Technical References for each category of service:

Metallic TR-NPL-000336 Telegraph Grade TR-NPL-000336 Voice Grade TR-TSY-000335 Wideband Analog TR-NPL-000339 Wideband Data TR-NPL-000340 MegaLink Data TR-NPL-000341 **PUB** 62310 High Capacity PUB 76625 **PUB** 62411 TR-INS-000342 DovLink TP-76620 Business Video TP-76644

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Access Services Tariff Section 7 6th Revised Sheet 14 Replacing 5th Revised Sheet 14

ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)

The Telephone Company will maintain existing transmission specifications on services installed prior to the effective date of this Tariff, except that the existing services with performance specifications exceeding the standard listed in this provision will be maintained at the performance levels specified in this Tariff. All services installed after the effective date of this Tariff will conform to the transmission specification standards contained in this Tariff or in the following Technical References for each category of service:

| Metallic | TR-NPL- | -000336 | |
|-----------------|------------------|---------|--|
| Telegraph Grade | TR-NPL- | -000336 | |
| Voice Grade | TR-TSY- | -000335 | |
| Wideband Analog | TR-NPL- | -000339 | |
| Wideband Data | TR-NPL-000340 | | |
| MegaLink Data | nk Data TR-NPL-0 | | |
| | PUB | 62310 | |
| High Capacity | PUB | 76625 | |
| | PUB | 62411 | |
| | TR-INS- | -000342 | |
| DovLink | TP-7662 | 20 | |

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ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

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The Telephone Company will maintain existing transmission specifications on services installed prior to the effective date of this Tariff, except that the existing services with performance specifications exceeding the standard listed in this provision will be maintained at the performance levels specified in this Tariff. All services installed after the effective date of this Tariff will conform to the transmission specification standards contained in this Tariff or in the following Technical References for each category of service:

(CT)

| Metallic | TR-NPL-0 | 00336 |
|-----------------|---------------|-------|
| Telegraph Grade | TR-NPL-0 | 00336 |
| Voice Grade | TR-TSY-0 | 00335 |
| Wideband Analog | TR-NPL-0 | 00339 |
| Wideband Data | TR-NPL-0 | 00340 |
| MegaLink Data | TR-NPL-0 | 00341 |
| | PUB | 62310 |
| High Capacity | PUB | 76625 |
| | PUB | 62411 |
| | TR-TNS-000342 | |

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Issued: 1991

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Access Services Tariff
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Replacing 3rd Revised Sheet 14

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

MISSOURI

The Telephone Company will maintain existing transmission; specifications in SiOn on services installed prior to the effective date of this Tariff, except that the existing services with performance specifications exceeding the standard listed in this provision will be maintained at the performance levels specified in this Tariff. All services installed after the effective date of this Tariff will conform to the transmission specification standards contained in this tariff or in the following Technical References for each category of service:

| | Metallic | PUB | 62502 |
|------|-----------------|-----|--------------------------------|
| | Telegraph Grade | PUB | 62502 |
| (CT) | Voice Grade | NPL | 000334 (WALs) |
| (CT) | | NPL | 000335 and associated Addendum |
| | | PUB | 41004, Table 4 |
| | Wideband Analog | PUB | 62505 and associated Addendum |
| | Wideband Data | PUB | 62506 |
| | MegaLink Data | PUB | 62507 and associated Addendum |
| | • | PUB | 62310 |
| | High Capacity | PUB | 62508 |
| | · | PUB | 62411 |

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Public Service Commission MISSOURI

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ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

SEP 25 1989

7.2 Service Descriptions-(Continued)

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The Telephone Company will maintain existing transmission specifications niesion on services installed prior to the effective date of this Tariff, except that the existing services with performance specifications exceeding the standard listed in this provision will be maintained at the performance levels specified in this Tariff. All services installed after the effective date of this Tariff will conform to the transmission specification standards contained in this tariff or in the following Technical References for each category of service:

| Metallic | BUB | 62502 |
|-----------------|-----|-------------------------------|
| Telegraph Grade | PUB | 6250 2 |
| Voice Grade | PUB | 62500 (WALs) |
| | PUB | 62501 and associated Addendum |
| | PUB | 41004, Table 4 |
| Wideband Analog | PUB | 62505 and associated Addendum |
| Wideband Data | PUB | 62506 |
| Megalink Data | PUB | 62507 and associated Addendum |
| 3 . | PUB | 62310 |
| High Capacity | PUB | 62508 |
| • • • | PUB | 62411 |

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

MISSOURI
Public Service Commission

The Telephone Company will maintain existing transmission specifications on services installed prior to the effective date of this Tariff, except that the existing services with performance specifications exceeding the standard listed in this provision will be maintained at the performance levels specified in this Tariff. All services installed after the effective date of this Tariff will conform to the transmission specification standards contained in this tariff or in the following Technical References for each category of service:

| Metallic | PUB | 62502 |
|-----------------|------|-------------------------------|
| Telegraph Grade | PUB | 62502 |
| Voice Grade | PUB | 62500 (WALs) |
| | PUB | 62501 and associated Addendum |
| | PUB | 41004, Table 4 |
| Program Audio | PUB | 62503 and associated Addendum |
| Wideband Analog | PUB | 62505 and associated Addendum |
| Wideband Data | PUB | 62506 |
| Digital Data | PUB | 62507 and associated Addendum |
| · · | PUB | 62310 |
| High Capacity | PUB | 62508 |
| | PITR | 62411 |

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Public Service Commission

Issued: OCT 1 4 1987

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Access Services Tariff
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(CP)ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

The Telephone Company will maintain existing transmission coefficients on services installed prior to the effective date of this Tailir, except that the existing services with performance specifications exceeding the standard listed in this provision will be maintained at the performance levels specified in this Tariff. All services installed after the effective date of this Tariff will conform to the transmission specification standards contained in this tariff or in the following Technical References for each category of service:

| PUB | 62502 |
|-----|---------------------------------|
| PUB | 62502 |
| PUB | 62501 and associated Addendum |
| PUB | 41004, Table 4 |
| PUB | 62503 and associated Addendum |
| PUB | 62505 and associated Addendum |
| PUB | 62506 |
| PUB | 62507 and associated Addendum |
| PUB | 62310 |
| PUB | 62508 |
| PUB | 62411 |
| | PUB PUB PUB PUB PUB PUB PUB PUB |

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Effective:

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

DEC 29 1883

- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - **Public Service Commission**

- 7.2.1 Analog Services-(Continued)
- Narrowband Services-(Continued)
 - Narrowband 4 (NB4) Special Access Service
 - a. Description

Special Access Service NB4 provides a channel for transmission of asynchronous transitions between two current levels at rates up to 75 baud between an IC terminal location and an End User's premises. This service is furnished for half-duplex or duplex operation on a two-point or multipoint configuration. Neither direct current continuity of this service nor the capability to transport continuously varying alternating current is assured.

Illustrative Applications

Special Access Service NB4 is suitable for use as part of the facilities required to provide intrastate telecommunications service such as:

- Telegraph Grade Facilities
- Entrance Facility Telegraph Grade
- Extension Service Telegraph Grade
- Teletypewriter Service
- Alarm Circuits
- Control/Remote Metering Telegraph Grade

c. Optional Feature

- Central office bridging

Transmission Performance JUL 1

Telegraph Distortion PUBLIC SERVICE COMMISSION 83-25

Remedial action will be inftiated whenever the telegraph

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distortion is observed to exceed 9 percent.

DEC 29 1983 Issued:

JAN 0 1 1984 Effective:

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(CP)ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.1 Metallic Service(1) (CP)
 - A. Basic Channel Description

A metallic channel is an unconditioned two-wire channel capable of transmitting low speed varying signals at rates up to 30 baud. This channel is provided by metallic or equivalent facilities. Metallic channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub were bridging functions are performed. Interoffice metallic facilities will be limited in length to a total of five miles per channel.

B. Technical Specifications Packages

Issued: May 28, 2021

| | <u>Pac</u> | kage | MT- | | |
|-------------------------------------|------------|----------|-----|----------|--|
| <u>Parameter</u> | <u>C</u> | <u>1</u> | 2 | <u>3</u> | |
| DC Resistance Between Conductors | Х | Х | Х | | |
| Loop Resistance | Χ | | | X | |
| Shunt Capacitance | X | | | Χ | |

The technical specifications are delineated in Technical Reference PUB 62502.

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

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Effective: June 30, 2021

JI-2021-0210

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(CP)ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

7.2.1 Metallic Service

A. Basic Channel Description

A metallic channel is an unconditioned two-wire channel capable of transmitting low speed varying signals at rates up to 30 baud. This channel is provided by metallic or equivalent facilities. Metallic channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub were bridging functions are performed. Interoffice metallic facilities will be limited in length to a total of five miles per channel.

B. Technical Specifications Packages

| | Pac | kage l | MT- | |
|-------------------------------------|----------|----------|-----|----------|
| <u>Parameter</u> | <u>C</u> | <u>1</u> | 2 | <u>3</u> |
| DC Resistance Between Conductors | X | X | X | |
| Loop Resistance | X | | | X |
| Shunt Capacitance | X | | | X |

The technical specifications are delineated in Technical Reference PUB 62502.

Issued: June 27, 1986 Effective: July 1, 1986

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.2 Technical Service Descriptions for Special Access Service (Continued)

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7.2.1 Analog Services-(Continued)

Public Service Commission

Narrowband Services-(Continued)

- 4. Narrowband 4 (NB4) Special Access Service-(Continued)
 - e. Available Facility Interface Combinations

| IC | End User | <u>IC</u> | End User |
|-------------|----------|--------------|-----------|
| 2TT2-2 | 2TT2-2 | 4DS9-(2) | 2TT2-2 |
| 2TT2-3 | 2TT2-2 | 4DS9-(2) | 4TT2-2 |
| 2DB 2-10 | 2TT2-2 | 4DS9-(2) | 2TT2-6 |
| 2DB 2-43(1) | 2TT 2-2 | 4DS9-(2) | 4TT2-6 |
| 4DB 2-10 | 2TT2-2 | 4AH5-B(3) | 2TT2-2 |
| 4DB 2-43(1) | 2TT2-2 | 4AH5-B(3) | 4TT2-2 |
| 2TT2-3 | 4TT2-2 | 4AH5-B(3) | 2TT2-6 |
| 2DB 2-10 | 4TT2-2 | 4AH5-B(3) | 4TT2-6 |
| 2DB2-43(1) | 4TT2-2 | 4AH6-C(3) | 2TT2-2 |
| 4TT2-2 | 4TT2-2 | 4AH6-C(3) | 4TT2-2 |
| 4DB 2-10 | 4TT2-2 | 4AH6-C(3) | 2TT2-6 |
| 4DB2-43(1) | 4TT2-2 | 4AH6-C(3) | 4TT2-6 |
| | | 4AH6-D(3) | 2TT2-2 |
| 2DB2-43(1) | 4TT2-6 | 4AH6-D(3) | 4TT2-2 |
| | | 4AH6-D(3) | 2TT2-6 |
| 4DB2-43(1) | 2TT2-6 | 4AH6-D(3) | 4TT2-6 |
| 2DB2-43(1) | 2TT2-6 | | |
| 4TT2-6 | 2TT2-6 | | - n (216) |
| 4DB2-43(1) | 2TT2-6 | 高の関係管 | 机化饱间 |
| 2TT2-6 | 2TT2-6 | CANGE | 500 |
| 2DB 2-10 | 2TT2-6 | 9 , | |
| 4DB 2-10 | 2TT2-6 | uu 1 | 1986 |
| | | | |

Narrowband 5 (NB5) Special Access Service

Description

PUBLIC SERVICE COMMISSION Special Access Service NB5 provides a channel for transmission of asynchronous transitions between two current levels at rates up to 150 baud between an IC terminal location and an End User's premises. This service is furnished for half-duplex or duplex operation on a two-point or multipoint configuration. Neither

(1) Supplemental Channel Assignment information required.

(2) See Paragraph 7.3.3, following, for explanation.

(3) Available only to IC's selecting the multiplexed four-wire High Cdf analog facility interface option of the IC terminal location and subsequent system and channel assignment data.

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - ##ISSOURI

7.2.1 Analog Services-(Continued)

Public Service Commission

- Narrowband Services-(Continued)
 - Narrowband 4 (NB4) Special Access Service-(Continued)
 - e. Available Facility Interface Combinations

| <u>IC</u> | End User | <u>IC</u> | End User |
|-----------------|---------------|------------|-----------------|
| 2 TT 2-2 | 2TT2-2 | 4DS9-(2) | 2 TT 2-2 |
| 2TT2~3 | 2TT2-2 | 4DS9-(2) | 4TT2-2 |
| 2DB2-10 | 2TT2-2 | 4DS9-(2) | 2TT2-6 |
| 2DB2-43(1) | 2TT2-2 | 4DS9-(2) | 4TT2-6 |
| 4DB2-10 | 2TT2-2 | 4AH5-B(3) | 2 TT2- 2 |
| 2DB2-43(1) | 2TT2-2 | 4AH5-B(3) | 4TT2-2 |
| 2TT2-3 | 4TT2-2 | 4AH5-B(3) | 2TT2-6 |
| 2DB2-10 | 4TT2-2 | 4AH5-B(3) | 4TT2-6 |
| 2DB2~43(1) | 4TT2~2 | 4AH6-C(3) | 2TT2-2 |
| 4TT2-2 | 4TT2-2 | 4AH6-C(3) | 4TT2-2 |
| 4DB2-10 | 4TT2-2 | 4AH6-C(3) | 2TT2-6 |
| 4DB2-43(1) | 4TT2-2 | 4AH6-C(3) | 4TT2-6 |
| 2TT2-6 | 4TT2-2 | 4AH6-D(3) | 2 T T2-2 |
| 2DB2-43(1) | 4TT2-2 | 4AH6-D(3) | 4 T T2-2 |
| 2DB2-10 | 4TT2-2 | 4AH6-D(3) | 2 TT 2-6 |
| 4DB2-43(1) | 2TT2-6 | 4AH6-D(3) | 4TT2=60 |
| 2DB2-43(1) | 2TT2-6 | m m | BII LEU |
| 4TT2-6 | 2TT2-6 | <u> </u> | 155 |
| 4DB2-43(1) | 2TT2-6 | (i) Figure | ELTED |
| | | 770 | 15 1984 |
| owband 5 (NB5) | Special Acces | s Service | NIF |

Narrowband 5 (NB5) Special Access Service

Description

Special Access Service NB5 provides a change IC For Acadesh h kanshission of asynchronous transitions between two current levels at rates up to 150 baud between an IC terminal location and an End User's premises. This service is furnished for half-duplex, or duplex operation on a two-point or multipoint configuration. Neither

Supplemental Channel Assignment information requirëd.

(2) See Paragraph 7.3.3, following, for explanation.

(3) Available only to IC's selecting the multiplexed four-wire High Capacity analog facility interface option of the IC terminal location and providing subsequent system and channel assignment data.

Issued: **DEC** 2 9 1983 Effective: JAN 0 1 1984

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.1 Metallic Service(1)-(Continued)

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C. Channel Interfaces

Compatible channel interfaces are set forth in Technical References at the end of Paragraph 7.2.

- D. Optional Features, BSEs and Functions
 - Central Office Bridging BSE Capability
 - a. Three Premises Bridging Provision of tip-to-tip and ring-to-ring connection in a central office of a metallic pair to a third customer designated premises.
 - b. Series Bridging of up to 26 customer designated premises.

The following table shows the technical specifications packages with which the optional features, BSEs and functions are available.

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

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ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.1 Metallic Service-(Continued)
 - C. Channel Interfaces

Compatible channel interfaces are set forth in Technical References at the end of Paragraph 7.2.

- (AT) D. Optional Features, BSEs and Functions
- (AT) 1. Central Office Bridging BSE Capability
 - a. Three Premises Bridging Provision of tip-to-tip and ring-to-ring connection in a central office of a metallic pair to a third customer designated premises.
 - b. Series Bridging of up to 26 customer designated premises.
- The following table shows the technical specifications packages with (AT) which the optional features, BSEs and functions are available.

| | Available with Technical Specifications Package MT | | | | |
|-------------------------|---|----------|----------|----------|--|
| | <u>C</u> | <u>1</u> | <u>2</u> | <u>3</u> | |
| Three Premises Bridging | X | X | | X | |
| Series Bridging | X | | X | | |

Issued: March 26, 1993 Effective: April 11, 1993

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ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

7.2.1 Metallic Service-(Continued)

MESOURI Public Service Commission

C. Channel Interfaces

(CT) (CT) Compatible channel interfaces are set forth in Technical References at the end of Paragraph 7.2.

- D. Optional Features and Functions
 - 1. Central Office Bridging Capability
 - Three Premises Bridging Provision of tip-to-tip and ringto-ring connection in a central office of a metallic pair to a third customer designated premises.
 - Series Bridging of up to 26 customer designated premises.

The following table shows the technical specifications packages with which the optional features and functions are available.

| | Available with Specifications | | | |
|-------------------------|----------------------------------|---|---|---|
| | С | 1 | 2 | 3 |
| Three Premises Bridging | X | x | | X |
| Series Bridging | X | | X | |

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(CP) ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Service Descriptions-(Continued)
 - 7.2.1 Metallic Service-(Continued)
 - C. Channel Interfaces

Compatible channel interfaces are set forth in Paragraph 7.3.5, A., following.

- D. Optional Features and Functions
 - 1. Central Office Bridging Capability
 - a. Three Premises Bridging Provision of tip-to-tip and ringto-ring connection in a central office of a metallic pair to a third customer designated premises.
 - b. Series Bridging of up to 26 customer designated premises.

The following table shows the technical specifications packages with which the optional features and functions are available.

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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- 7.2 Technical Service Descriptions for Special Access Service-(Confilmued)
 - 7.2.1 Analog Services-(Continued)
 - A. Narrowband Services-(Continued)
 - 5. Narrowband 5 (NB5) Special Access Service-(Continued)
 - a. Description-(Continued)

direct current continuity of this service nor the capability to transport continuously varying alternating currents is assured.

b. Illustrative Applications

Special Access Service NB5 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as:

- Extension Service Telegraph Grade
- Teletypewriter Service
- Alarm Circuits
- Control/Remote Metering Telegraph Grade
- c. Optional Feature
 - Central office bridging capability.
- d. Transmission Performance
 - Telegraph Distortión

Remedial action will be initiated whenever the telegraph distortion is observed to exceed 12 percent.

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Issued: DEC 29 1983

Effective: JAN 0 1 1984

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.2 Telegraph Grade(1) Service

(CP)

A. Basic Channel Description

A telegraph grade channel is an unconditioned channel capable of transmitting binary signals at rates of 0-75 baud or 0-150 baud. This channel is furnished for half-duplex or duplex operation.

Telegraph grade channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub.

B. Technical Specifications Packages

| | <u>Pack</u> | Package TO | | | | | | |
|----------------------|-------------|------------|----------|--|--|--|--|--|
| <u>Parameter</u> | <u>C</u> | <u>1</u> | <u>2</u> | | | | | |
| Telegraph Distortion | X | Х | Χ | | | | | |

The technical specifications are delineated in Technical Reference PUB 62502.

C. Channel Interfaces

Compatible channel interfaces are set forth in Technical References at the end of Paragraph 7.2.

- D. Optional Features, BSEs and Functions
 - 1. Telegraph Bridging BSE (two-wire and four-wire)

The following table shows the technical specifications packages with which the optional features, BSEs and functions are available.

Available with Technical Specifications Package TG-

Telegraph Bridging $\frac{C}{X}$ $\frac{1}{X}$ $\frac{2}{X}$

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

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(AT)

Effective: June 30, 2021

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

- 7.2 Service Descriptions-(Continued)
- 7.2.2 Telegraph Grade Service
 - A. Basic Channel Description

A telegraph grade channel is an unconditioned channel capable of transmitting binary signals at rates of 0-75 baud or 0-150 baud. This channel is furnished for half-duplex or duplex operation.

Telegraph grade channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub.

B. Technical Specifications Packages

| | Packa | age T | <u>G-</u> | |
|----------------------|----------|----------|-----------|--|
| <u>Parameter</u> | <u>C</u> | <u>1</u> | <u>2</u> | |
| Telegraph Distortion | X | X | X | |

The technical specifications are delineated in Technical Reference PUB 62502.

C. Channel Interfaces

Compatible channel interfaces are set forth in Technical References at the end of Paragraph 7.2.

- (AT) D. Optional Features, BSEs and Functions
- (AT) 1. Telegraph Bridging BSE (two-wire and four-wire)

(AT) The following table shows the technical specifications packages with which the optional features, BSEs and functions are available.

Available with Technical Specifications Package TG-

Telegraph Bridging $\frac{C}{X} = \frac{1}{X} = \frac{2}{X}$

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

SEP 25 1989

7.2.2 Telegraph Grade Service

VISSICUAL Public Service Commission

A. Basic Channel Description

A telegraph grade channel is an unconditioned channel capable of transmitting binary signals at rates of 0-75 baud or 0-150 baud. This channel is furnished for half-duplex or duplex operation.

Telegraph grade channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub.

B. Technical Specifications Packages

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| | <u>Packa</u> | ge TG- | APR 11 1993 |
|----------------------|--------------|--------|--|
| Parameter | С | 1 | 2 BY 3 R. S. #17 Public Service Commission |
| Telegraph Distortion | X | X | X MISSOURI |

The technical specifications are delineated in Technical Reference PUB 62502.

C. Channel Interfaces

(CT)

Compatible channel interfaces are set forth in Technical References at the end of Paragraph 7.2.

- D. Optional Features and Functions
 - Telegraph Bridging (two-wire and four-wire)

The following table shows the technical specifications packages with which the optional features and functions are available.

| | | | | th Technic ns Package | |
|--------------------|------|---|---|--------------------------|-------|
| | | С | 1 | 2 | |
| Telegraph Bridging | x | x | x | | |
| | ^ | | F | ILED | |
| \$50.0 r | 1000 | | _ | ner | 1 100 |

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(CP) ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.2 Telegraph Grade Service
- A. Basic Channel Description

A telegraph grade channel is an unconditioned channel capable of transmitting binary signals at rates of 0-75 baud or 0-150 baud. This channel is furnished for half-duplex or duplex operation.

Telegraph grade channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub.

B. Technical Specifications Packages

| | <u>Pa</u> | Package TG- | | | | | | | |
|----------------------|-----------|-------------|---|--|--|--|--|--|--|
| Parameter | <u> </u> | 1_ | | | | | | | |
| Telegraph Distortion | Х | Х | X | | | | | | |

The technical specifications are delineated in Technical Reference PUB 62502.

C. Channel Interfaces

Compatible channel interfaces are set forth in Paragraphy 3.3.3, LE, following.

D. Optional Features and Functions

1. Telegraph Bridging (two-wire and four-wire)

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The following table shows the technical specifications packages with which the optional features and functions are available.

Available with Technical

Specifications Package TG
C 1 2

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ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

DEC 29 1003

- 7.2 Technical Service Descriptions for Special Access Service-(Continued) LUSSOURI
 - 7.2.1 Analog Services-(Continued)

Public Service Commission

- A. Narrowband Services-(Continued)
 - Narrowband 5 (NB5) Special Access Service-(Continued)
 - e. Available Facility Interface Combinations

| <u>IC</u> | End User | <u>IC</u> | End User |
|------------|----------|-----------|----------|
| 2DB2-10 | 10IA2 | 4DS9-(2) | 10IA2 |
| 4DB2-10 | 10IA2 | 4AH5-B(3) | 10IA2 |
| 2DB2-43(1) | 10IA2 | 4AH6-C(3) | 10IA2 |
| 4DB2-43(1) | 10IA2 | 4AH6-D(3) | 10IA2 |

B. Voice Grade Services

There are nine types of Voice Grade Service, each having a different transmission performance. The transmission performances determine the applications that the various types of Voice Grade Service can be used for. VG1 through VG3 services are intended for voice applications only. VG5 through VG10 are suitable for voiceband data or voice/data applications. The VG 1-3 and 5-10 are provided primarily as end-link designs for interexchange carriers and Private Line Services.

- 1. Voice Grade 1 (VG1) Special Access Service
 - a. Description

Special Access Service VG1 provides a channel for voice frequency transmission capability. Usable frequencies are nominally 300 to make the beat an IC terminal location

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(1) Supplemental channel assemble of the compatible required.
(2) See Paragraph 7.3.3, following of assemblanation.

(3) Available only to IC's selecting the four-wire multiplexed High Capacity analog facility interface option at the IC terminal location and pro-

viding subsequent system and channel assignment data.

Issued: **DEC** 29 1983

Effective: JAN 0 1 1984

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)

7.2.3 Voice Grade(2) Service

(CP)

A. Basic Channel Description

A voice grade channel is a channel which provides voice frequency transmission capability in the nominal frequency range of 300 to 3000 Hz and may be terminated two-wire or four-wire. Voice grade channels are provided between customer designated premises, between a customer designated premises and a Telephone Company Hub, or between a customer designated premises and the WATS serving office.

B. Technical Specifications Packages

| | Package VG- | | | | | | | | | | | | | | |
|------------------|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|--|
| <u>Parameter</u> | <u>C(1)</u> | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> | <u>5</u> | <u>6</u> | <u>7</u> | <u>8</u> | <u>9</u> | <u>10</u> | <u>11</u> | <u>12</u> | <u>W*</u> | |
| Attenuation | | | | | | | | | | | | | | | |
| Distortion | Χ | Χ | Χ | Χ | Χ | Χ | Χ | Χ | Χ | Χ | Χ | Χ | Χ | Χ | |
| C-Message Noise | Χ | Χ | Χ | Χ | Χ | Χ | Χ | Χ | Χ | Χ | Χ | Χ | Χ | Χ | |
| Echo Control | Χ | Χ | Χ | Χ | | Χ | | Χ | Χ | | | Χ | Χ | X+ | |
| Envelope Delay | | | | | | | | | | | | | | | |
| Distortion | Χ | | | | | | Χ | Χ | Χ | Χ | Χ | Χ | Х | X | |
| Frequency Shift | Χ | | | | | | Χ | Χ | Χ | Χ | Χ | Χ | Х | X | |
| Impulse Noise | Χ | | | | | Χ | Χ | Χ | Χ | Х | X | Χ | X | X | |
| Intermodulation | | | | | | | | | | | | | | | |
| Distortion | Χ | | | | | | Χ | Χ | Χ | > | (X | Χ | | X | |
| Loss Deviation | Χ | Χ | Χ | Χ | Χ | Χ | Χ | Χ | Χ | > | (X | Χ | · > | (X | |
| Phase Hits, Gain | | | | | | | | | | | | | | | |
| Hits, and | | | | | | | | | | | | | | | |
| Dropouts | Χ | | | | | | | | | | | | | | |
| Phase Jitter | Χ | | | | | | Χ | X | Х | | X > | () | (X | | |
| Signal-to-C | | | | | | | | | | | | | | | |
| Message Noise | | | | | Χ | | | | | | | | | | |
| Signal-to-C | | | | | | | | | | | | | | | |
| Notch Noise | X | | | | |) | ХХ | X | Х | | X | < | X) | X X | |

* Denotes WATS Access Lines (WALs)(2)

(CP)

- + When WAL(2) extensions are provided, Echo Control limits are not applicable.
- (1) The desired parameters are selected by the customer from the list of available parameters.
- (2) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

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7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

7.2.3 Voice Grade Service

(AT)

(AT)

A. Basic Channel Description

A voice grade channel is a channel which provides voice frequency transmission capability in the nominal frequency range of 300 to 3000 Hz and may be terminated two-wire or four-wire. Voice grade channels are provided between customer designated premises, between a customer designated premises and a Telephone Company Hub, or between a customer designated premises and the WATS serving office.

B. Technical Specifications Packages

| | | Package VG- |
|------|------------------|--|
| (AT) | <u>Parameter</u> | <u>C(1)</u> <u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u> <u>8</u> <u>9</u> <u>10</u> <u>11</u> <u>12</u> <u>W*</u> |
| | Attenuation | |
| • | Distortion | \mathbf{X} |
| | C-Message Noise | \mathbf{X} |
| ĺ | Echo Control | f X X X X X X X X X X |
| ĺ | Envelope Delay | |
| İ | Distortion | \mathbf{X} \mathbf{X} \mathbf{X} \mathbf{X} \mathbf{X} \mathbf{X} \mathbf{X} \mathbf{X} \mathbf{X} |
| | Frequency Shift | \mathbf{X} \mathbf{X} \mathbf{X} \mathbf{X} \mathbf{X} \mathbf{X} \mathbf{X} \mathbf{X} \mathbf{X} |
| | Impulse Noise | \mathbf{X} |
| | Intermodulation | |
| | Distortion | \mathbf{X} \mathbf{X} \mathbf{X} \mathbf{X} \mathbf{X} \mathbf{X} \mathbf{X} |
| | Loss Deviation | \mathbf{X} |
| | Phase Hits, Gain | |
| | Hits, and | |
| | Dropouts | X |
| | Phase Jitter | $X \qquad \qquad X \ X \ X \ X \ X \ X$ |
| | Signal-to-C | |
| | Message Noise | X |
| | Signal-to-C | |
| (AT) | Notch Noise | $X \hspace{1cm} X |

- (AT) * Denotes WATS Access Lines (WALs)
- (AT) + When WAL extensions are provided, Echo Control limits are not applicable.
 - (1) The desired parameters are selected by the customer from the list of available parameters.

October 14, 1987

By R. D. BARRON, President-Missouri Division
Southwestern Bell Telephone Company
St. Louis, Missouri

CANCELLED
June 30, 2021
Missouri Public
Service Commission
JI-2021-0210

Issued:

Access Services Tariff
Section 7
1st Revised Sheet 18
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(CP) ACCESS SERVICES.

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Service Descriptions-(Continued)
 - 7.2.3 Voice Grade Service
 - A. Basic Channel Description

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Public Service Commission

A voice grade channel is a channel which provides voice frequency transmission capability in the nominal frequency range of 300 to 3000 Hz and may be terminated two-wire or four-wire. Voice grade channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub.

B. Technical Specifications Packages

| | Package VG- | | | | | | | | | | | | |
|------------------|-------------|---|---|----------|---|----------|---------------|---|-------------|---------------------|-------------|-------|-------|
| Parameter | <u>C(1)</u> | 1 | 2 | <u>3</u> | 4 | <u>5</u> | <u>6</u> | <u>7</u> | <u>8</u> | 9 | 10 | 11 | 12 |
| Attenuation | | | | | | | | | | | | | |
| Distortion | X | X | X | X | X | X | X | X | X | X | X | X | X |
| C-Message Noise | Х | X | X | X | X | X | X | X | X | X | X | X | X |
| Echo Control | X | X | X | X | | X | | X | X | | | Х | X |
| Envelope Delay | | | | | | | | | | | | | |
| Distortion | X | | | | | | X | X | X | X | X | Х | X |
| Frequency Shift | X | | | | | | X | X | X | X | Х | X | X |
| Impulse Noise | X | | | | | Х | X | Х | Х | X | X | Х | X |
| Intermodulation | | | | | | | | NI | :EL | LEI |) | | |
| Distortion | X | | | | | | \mathcal{r}^r | X | X | X | Х | Х | |
| Loss Deviation | X | X | X | X | X | X | Χo | ~¥- | 1 K 1 | 987 | X | X | X |
| Phase Hits, Gain | | | | | | | - U | UT | 10 | - | .L10 | | |
| Hits, and | | | | | | | 20 | , Qã | XX | ري. | 10 | | |
| Dropouts | X | | | | | | D. | 23. | 00 (| _ ໄດໜີ | nissio X | חכ | |
| Phase Jitter | X | | | | | Pul | oligo ⊊ | :exv | - X | LIŽI I | Х | Х | |
| Signal-to-C | | | | | | | | M | <u>sso</u> | $\Omega_{1:\Omega}$ | | | |
| Message Noise | | | | | X | | | 3 | | re or | l G L | n n | 1 |
| Signal-to-C | | | | | | | | l | ٠ | FM | 니즈미 | U) | Ì |
| Notch Noise | X | | | | | X | X | X | X | X | X | X | Ż |
| | | | | | | | | 1 | , l | IUL : | l 19 | 86 | |
| | | | | | | | | Ŋ. | • | 86 | | | - } |
| | | | | | | | | | W bt | | | | |
| | | | | | | | | 14 | DIIC | Servi | ce Cor | nmiss | 10U į |
| | | | | | | | | (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | كبالماناتين | | - | | |

(1) The desired parameters are selected by the customer from the list of available parameters.

Issued:

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Effective:

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ACCESS SERVICES

. SPECIAL ACCESS SERVICE-(Continued)

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Public Serv co Commission

Access Services Tariff

Original Sheet 18

Section 7

- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)
 - B. Voice Grade Services-(Continued)
 - 1. Voice Grade 1 (VG1) Special Access Service-(Continued)
 - a. Description-(Continued)

and End User's premises. The transmission interface can be either two-wire or four-wire at both the IC terminal location and the End User's premises. Various interface options are available. This service will support effective two-wire or effective four-wire transmission.

b. Illustrative Applications

Special Access Service VG1 is suitable for use as part of the facilities used to provide intrastate telecommunications services such as:

- Voice Grade Facility
- Alarm Circuits
- c. Optional Feature
 - Improved return loss at four-wire point of interface, applicable to each two-wire leg of effective four-wire channel.

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PUBLIC SERVICE COMMISSION

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Issued: DEC 29 1983

Effective: JAN 0 1 1984

Southwestern Bell Telephone Company d/b/a AT&T Missouri

Section 7 7th Revised Sheet 19 Replacing 6th Revised Sheet 19

ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Service Descriptions-(Continued)
 - 7.2.3 Voice Grade(2) Service-(Continued)

(CP)

B. Technical Specifications Packages-(Continued)

The technical specifications for these parameters are delineated in Technical References set forth at the end of Paragraph 7.2.

C. Channel Interfaces

The following channel interfaces for Voice Grade Service do not require signaling capability: AH, DA, DB, DD, DE, DS, NO, PR and TF.

The following channel interfaces for Voice Grade Service require signaling capability: AB, AC, CT, DX, DY, EA, EB, EC, EX, GO, GS, LA, LB, LC, LO, LR, LS, RV and SF (1).

Combination of channel interfaces DS, GS, and LS for WALs(2) require signaling as defined in (CP) Section 6.2.5.

Compatible channel interfaces and available WAL(2) channel interfaces are set forth in Technical (CP) References at the end of Paragraph 7.2.

D. Analog Service to Service Through Connect Arrangement

Multiplexed Arrangement

Issued: May 28, 2021

This provides for the interconnection of two subtending analog channels derived from DS1 multiplexed services. The through connect will be provisioned in lieu of a typical voice grade channel termination. The ordering customer must provide channel assignments for both. Voice Grade channel mileage is required if the multiplexed services are terminated in two separate Hubs.

- (1) This feature is obsolete, and limited to existing installations at existing locations for existing customers as of October 6, 1995.
- (2) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(AT)

Access Services Tariff Section 7 6th Revised Sheet 19 Replacing 5th Revised Sheet 19

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Service Descriptions-(Continued)
 - 7.2.3 Voice Grade Service-(Continued)
 - B. Technical Specifications Packages-(Continued)

The technical specifications for these parameters are delineated in Technical References set forth at the end of Paragraph 7.2.

C. Channel Interfaces

The following channel interfaces for Voice Grade Service do not require signaling capability: AH, DA, DB, DD, DE, DS, NO, PR and TF.

The following channel interfaces for Voice Grade Service require signaling capability: AB, AC, CT, DX, DY, EA, EB, EC, EX, GO, GS, LA, LB, LC, LO, LR, LS, RV and SF (1).

Combination of channel interfaces DS, GS, and LS for WALs require signaling as defined in Section 6.2.5.

Compatible channel interfaces and available WAL channel interfaces are set forth in Technical References at the end of Paragraph 7.2.

D. Analog Service to Service Through Connect Arrangement

Multiplexed Arrangement

This provides for the interconnection of two subtending analog channels derived from DS1 multiplexed services. The through connect will be provisioned in lieu of a typical voice grade channel termination. The ordering customer must provide channel assignments for both. Voice Grade channel mileage is required if the multiplexed services are terminated in two separate Hubs.

(MT) (MT)

(AT)

(AT)

(AT)

(1) This feature is obsolete, and limited to existing installations at existing locations for existing customers as of October 6, 1995.

Issued: September 6, 1995 Effective: October 6, 1995

CANCELLED June 30, 2021 Missouri Public Service Commission JI-2021-0210

Access Services Tariff Section 7 5th Revised Sheet 19 Replacing 4th Revised Sheet 19

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

MAR 29 1993

7.2.3 Voice Grade Service+(Continued)

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B. Technical Specifications Packages-(Continued)

The technical specifications for these parameters are delineated in Technical References set forth at the end of Paragraph 7.2.

C. Channel Interfaces

The following channel interfaces for Voice Grade Service do not require signaling capability: AH, DA, DB, DD, DE, DS, NO, PR and TF.

The following channel interfaces for Voice Grade Service require signaling capability: AB, AC, CT, DX, DY, EA, EB, EC, EX, GO, GS, LA, LB, LC, LO, LR, LS, RV and SF.

Combination of channel interfaces DS, GS, and LS for WALs require signaling as defined in Section 6.2.5.

Compatible channel interfaces and available VAL channel interfaces and available VAL channel interfaces. forth in Technical References at the end of Paragraph 7.2.

Analog Service to Service Through Connect Arrangement

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Multiplexed Arrangement

This provides for the interconnection of two subtending and the Service Commission derived from DS1 multiplexed services. The through connect will improve the provisioned to 1. provisioned in lieu of a typical voice grade channel termination. The ordering customer must provide channel assignments for both. Voice Grade channel mileage is required if the multiplexed services are terminated in two separate Hubs.

(TA) E. Optional Features, BSEs and Functions

(AT) 1. Central Office Bridging BSE Capability FILED

APR 11 1993

b. Data Bridging (two-wire and four-wire)

a. Voice Bridging (two-wire and four-wire)

92 - 30 4 MO. PUBLIC SERVICE COMM

DATAPHONE Select-A-Station Bridging with sequential arrangement ports or addressable arrangement ports

Issued: MAR 2 6 1993 Effective:

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ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

MISSOURI

7.2.3 Voice Grade Service-(Continued)

Public Service Commission

B. Technical Specifications Packages-(Continued)

(CT) The technical specifications for these parameters are delineated in Technical References set forth at the end of Paragraph 7.2.

C. Channel Interfaces

The following channel interfaces for Voice Grade Service do not require signaling capability: AH, DA, DB, DD, DE, DS, NO, PR and TF.

The following channel interfaces for Voice Grade Service require signaling empability: AB, AC, CT, DX, DY, EA, EB, EC, EX, GO, GS, LA, LB, LC, LO, LR, LS, RV and SF.

Combination of channel interfaces DS, GS, and LS for WALs require signaling as defined in Section 6.2.5.

Compatible channel interfaces and available WAL channel interfaces are set forth in Technical References at the end of Paragraph 7.2.

(AT) D. Analog Service to Service Through Connect Arrangement

Multiplexed Arrangement

This provides for the interconnection of two subtending analog channels derived from DS1 multiplexed services. The through connect vill be provisioned in lieu of a typical voice grade channel termination. The ordering customer must provide channel assignments for both. Voice Grade channel mileage is required if the multiplexed services are terminated in two separate Hubs.

(FC) Optional Features and Functions CANCELLED

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APR 11 1993 #

- 1. Central Office Bridging Capability

 - a. Voice Bridging (two-vire and four-vire)

Public Service Commission b. Data Bridging (two-wire and four-wire) MISSOURI

DATAPHONE Select-A-Station Bridging with sequential arrangement ports or addressable arrangement ports

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Effective: MAR 2 6 1990

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By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

MAR 26 1990

Access Services Tariff Section 7 3rd Revised Sheet 19 Replacing 2nd Revised Sheet 19

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

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7.2.3 Voice Grade Service-(Continued)

MISSOURI Public Service Commission

B. Technical Specifications Packages-(Continued)

The technical specifications for these parameters (except for dropouts, gain hits and phase hits) are delineated in Technical Reference PUB 62500 (WALs), PUB 62501 and associated Addendum. The technical specifications for dropouts, phase hits and gain hits are delineated in Technical Reference PUB 41004, Table 4.

C. Channel Interfaces

(CT)

The following channel interfaces for Voice Grade Service do not require signaling capability: AH, DA, DB, DD, DE, DS, NO, PR and TF.

The following channel interfaces for Voice Grade Service require signaling capability: AB, AC, CT, DX, DY, EA, EB, EC, EX, GO, GS, LA, LB, LC, LO, LR, LS, RV and SF.

Combination of channel interfaces DS, GS, and LS for WALs require signaling as defined in Section 6.2.5.

Compatible channel interfaces and available WAL channel interfaces are set forth in Technical References at the end of Paragraph 7.2.

Optional Features and Functions

- Central Office Bridging Capability
 - Voice Bridging (two-wire and four-wire)
 - Data Bridging (two-wire and four-wire)
 - DATAPHONE Select-A-Station Bridging with sequential arrangement ports or addressable arrangement ports ED CANCELLED

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Issued: SEP 2 5 1989

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Replacing 1st Revised Sheet 19

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

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7.2.3 Voice Grade Service-(Continued)

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B. Technical Specifications Packages-(Continued)

The technical specifications for these parameters (except for dropouts, gain hits and phase hits) are delineated in Technical Reference PUB 62500 (WALs), PUB 62501 and associated Addendum. The technical specifications for dropouts, phase hits and gain hits are delineated in Technical Reference PUB 41004, Table 4.

C. Channel Interfaces

(AT)

The following channel interfaces for Voice Grade Service do not require signaling capability: AH, DA, DB, DD, DE, DS, NO, PR and TF.

The following channel interfaces for Voice Grade Service require signaling capability: AB, AC, CT, DX, DY, EA, EB, EC, EX, GO, GS, LA, LB, LC, LO, LR, LS, RV and SF.

(AT) Combination of channel interfaces DS, GS, and LS for WALs require signaling as defined in Section 6.2.5.

(AT) Compatible channel interfaces and available WAL channel interfaces are set forth in Paragraph 7.3.5, C., following.

CANCELLED

D. Optional Features and Functions

1. Central Office Bridging Capability

OCT 1 1989 BY 3 18 S.#19

a. Voice Bridging (two-wire and four-wire) Public Service Commission

b. Data Bridging (two-wire and four-wire)

c. DATAPHONE Select-A-Station Bridging with sequential arrangement ports or addressable arrangement ports

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Issued: OCT 1 4 1987

Effective: OCT 16 1987.

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Replacing Original Sheet 19

(CP) ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.3 Voice Grade Service-(Continued)
- B. Technical Specifications Packages-(Continued)

JUN 27 1986

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Public Service Commission

The technical specifications for these parameters (except for drop-outs, gain hits and phase hits) are delineated in Technical Reference PUB 62501 and associated Addendum. The technical specifications for dropouts, phase hits and gain hits are delineated in Technical Reference PUB 41004, Table 4.

C. Channel Interfaces

The following channel interfaces for Voice Grade Service do not require signaling capability: AH, DA, DB, DD, DE, DS, NO, PR and TF.

The following channel interfaces for Voice Grade Service require signaling capability: AB, AC, CT, DX, DY, EA, EB, EC, EX, GO, GS, LA, LB, LC, LO, LR, LS, RV and SF.

Compatible channel interfaces are set forth in Paragraph 7.3.5, C., following.

- D. Optional Features and Functions
 - 1. Central Office Bridging Capability
 - a. Voice Bridging (two-wire and four-wire)
 - b. Data Bridging (two-wire and four-wire)

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Public Service Commission MISSOURI

c. DATAPHONE Select-A-Station Bridging with sequential arrangement ports or addressable arrangement ports

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Issued: JUN 27 1986

Effective:

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Technical Service Descriptions for Special Access Service (Continued) Commission
 - 7.2.1 Analog Services-(Continued)
 - B. Voice Grade Services-(Continued)
 - 1. Voice Grade 1 (VG1) Special Access Service-(Continued)
 - Transmission Performance
 - C-Message Noise

The C-Message Noise shall be less than:

| , | | Limit (dBrnCO)(1) | | | | | | | |
|----------------|--------|-------------------|---------|--|--|--|--|--|--|
| Channel Mileag | e (mi) | Type V1 | Type V2 | | | | | | |
| 0 - 50 | | 32 | 38 | | | | | | |
| 51 - 100 | | 33 | 39 | | | | | | |
| . 101 - 200 | | 35 | 41 | | | | | | |
| 201 - 400 | | 37 | 43 | | | | | | |
| 401 - 1000 | 1 | 39 | 45 | | | | | | |

- Echo Control

Echo Control, identified as Equal Level Echo Path Loss at four-wire interfaces or Return Loss at two-wire interfaces, and expressed as Echo Return Loss and Singing Return Loss, at either the End User's premises or IC terminal location shall be not less than the following limits:

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JUL 1 1986

(1) Where facility network conditions will support the parameters, Type VI will be provided. Where the Type V1 parameters cannot be supported, Type V2 will

DEC 2 9 1983 Issued:

be provided.

JAN 0 1 1984 Effective:

Southwestern Bell Telephone Company d/b/a AT&T Missouri

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ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)

7.2.3 Voice Grade(1) Service-(Continued)

(CP)

- E. Optional Features, BSEs and Functions
 - 1. Central Office Bridging BSE Capability
 - a. Voice Bridging (two-wire and four-wire)
 - b. Data Bridging (two-wire and four-wire)

(RT) (RT)

c. Telemetry and Alarm Bridging

(CT)

Split Band, Active Bridging Passive Bridging Summation, Active Bridging

2. Central Office Multiplexing BSE

Voice to Telegraph Grade(1) (43-Type Carrier): An arrangement that converts a voice grade

(CP) channel to telegraph grade(1) channels using frequency division multiplexing. (CP)

3. Conditioning BSE

Issued: May 28, 2021

Conditioning provides more specific transmission characteristics for Voice Grade Services. C-type conditioning controls attenuation distortion and envelope delay distortion. Sealing current helps maintain continuity on dry metallic(1) loops.

(CP)

For two-point services, the parameters apply to each service. For multipoint services, the parameters apply to each mid-link or end link. C-type conditioning and data capability may be combined on the same service.

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(AT)

(AT)

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Replacing 3rd Revised Sheet 20

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Service Descriptions-(Continued)
 - 7.2.3 Voice Grade Service-(Continued)

(RT) | (RT)

(MT)

- (MT) E. Optional Features, BSEs and Functions
 - 1. Central Office Bridging BSE Capability
 - a. Voice Bridging (two-wire and four-wire)
 - b. Data Bridging (two-wire and four-wire)
 - c. DATAPHONE Select-A-Station Bridging with sequential arrangement ports or addressable arrangement ports
 - d. Telemetry and Alarm Bridging

Split Band, Active Bridging Passive Bridging Summation, Active Bridging

2. Central Office Multiplexing BSE

Voice to Telegraph Grade (43-Type Carrier): An arrangement that converts a voice grade channel to telegraph grade channels using frequency division multiplexing.

3. Conditioning BSE

Conditioning provides more specific transmission characteristics for Voice Grade Services. C-type conditioning controls attenuation distortion and envelope delay distortion. Sealing current helps maintain continuity on dry metallic loops.

For two-point services, the parameters apply to each service. For multipoint services, the parameters apply to each mid-link or end link. C-type conditioning and data capability may be combined on the same service.

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June 30, 2021
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Service Commission
JI-2021-0210

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

MAR 29 1993

7.2.3 Voice Grade Service-(Continued)

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- (AT) E. Optional Features, BSEs and Functions-(Continued)
- (AT) 1. Central Office Bridging BSE Capability-(Continued)
 - d. Telemetry and Alarm Bridging

Split Band, Active Bridging Passive Bridging Summation, Active Bridging

(AT) 2. Central Office Multiplexing BSE

Voice to Telegraph Grade (43-Type Carrier): An arrangement that converts a voice grade channel to telegraph grade channels using frequency division multiplexing.

(AT) 3. Conditioning BSE

Conditioning provides more specific transmission characteristics for Voice Grade Services. C-type conditioning controls attenuation distortion and envelope delay distortion. Sealing current helps maintain continuity on dry metallic loops.

For two-point services, the parameters apply to each service. For multipoint services, the parameters apply to each mid-link or end link. C-type conditioning and data capability may be combined on the same service.

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7. SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

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7.2.3 Voice Grade Service-(Continued)

Public Service Commission

- (FC) E. Optional Features and Functions-(Continued)
 - Central Office Bridging Capability-(Continued)
 - d. Telemetry and Alarm Bridging

Split Band, Active Bridging Passive Bridging Summation, Active Bridging

2. Central Office Multiplexing

Voice to Telegraph Grade (43-Type Carrier): An arrangement that converts a voice grade channel to telegraph grade channels using frequency division multiplexing.

3. Conditioning

Conditioning provides more specific transmission characteristics for Voice Grade Services. C-type conditioning controls attenuation distortion and envelope delay distortion. Sealing current helps maintain continuity on dry metallic loops.

For two-point services, the parameters apply to each service. For multipoint services, the parameters apply to each mid-link or end link. C-type conditioning and data capability may be combined on the same service.

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Section 7
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(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Service Descriptions-(Continued)
 - 7.2.3 Voice Grade Service + (Continued)
 - D. Optional Features and Functions-(Continued)
 - 1. Central Office Bridging Capability-(Continued)
 - d. Telemetry and Alarm Bridging

Split Band, Active Bridging Passive Bridging Summation, Active Bridging

2. Central Office Multiplexing

Voice to Telegraph Grade (43-Type Carrier): An arrangement that converts a voice grade channel to telegraph grade channels using frequency division multiplexing.

3. Conditioning

Conditioning provides more specific transmission characteristics for Voice Grade Services. C-type conditioning controls attenuation distortion and envelope delay distortion. Sealing current helps maintain continuity on dry metallic loops.

For two-point services, the parameters apply to each service. For multipoint services, the parameters apply to each mid-link or end link. C-type conditioning and data capability may be combined on the same service.

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Access Services Tariff Section 7 Original Sheet 20

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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- 7.2 Technical Service Descriptions for Special Access Service-(Continued) Public Service Commission
 - 7.2.1 Analog Services-(Continued)
 - Voice Grade Services-(Continued)
 - Voice Grade 1 (VG1) Special Access Service-(Continued)
 - Transmission Performance-(Continued)
 - Echo Control-(Continued)

| | Echo <u>Return Loss</u> | Singing Return Loss |
|--|----------------------------|------------------------|
| Standard Return Loss Interface | | |
| (Return Loss) | 5 dB | 2.5 dB |
| Four-Wire Interface (Equal Level Echo Path Loss) | 16 dB | 11 dB |

Effective Four-Wire Transmission

(Two-wire interface at the End User's premises).

| | Echo Return Loss | Singing Return Loss |
|--|---------------------|------------------------|
| Two-Wire Interface | | |
| (Return Loss) | 24 dB | 18 dB |
| Four-Wire Interface | 20 dB | 14 dB |
| (Equal Level Echo Path Loss) | | • |
| (For Centrex application 2 dB pad is "in") | | i vi |
| | | 1 |

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PUBLIC SERVICE COMMISSION OF MISSOURI

DEC 2 9 1983 Issued:

JAN 0 1 1984 Effective:

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.3 Voice Grade(2) Service-(Continued)

(CP)

- E. Optional Features, BSEs and Functions-(Continued)
 - 3. Conditioning BSE-(Continued)
 - a. C-Type Conditioning (1)

C-type conditioning is provided for the additional control of attenuation distortion and envelope delay distortion on data services. The attenuation distortion and envelope delay distortion specifications for C-type conditioning are:

Attenuation Distortion (Frequency Response) Relative to 1004 Hz

Frequency Range (Hz) Variation (dB)

400-2800 -1.0 to +2.0 300-3000 -1.0 to +3.0 3000-3200 -2.0 to +6.0

Envelope Delay

<u>Distortion</u>

| | Variation |
|------------|-----------|
| Frequency | (micro- |
| Range (Hz) | seconds) |
| | |
| 1000-2600 | 100 |
| 800-2600 | 200 |
| 600-2600 | 300 |
| 500-2800 | 600 |
| 500-3000 | 3000 |
| | |

- (1) This feature is obsolete, and limited to existing installations at existing locations, for existing customers.
- (2) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

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Access Services Tariff
Section 7
3rd Revised Sheet 21
Replacing 2nd Revised Sheet 21

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.3 Voice Grade Service-(Continued)
- (AT) E. Optional Features, BSEs and Functions-(Continued)
- (AT) 3. Conditioning BSE-(Continued)
 - a. C-Type Conditioning (1)

C-type conditioning is provided for the additional control of attenuation distortion and envelope delay distortion on data services. The attenuation distortion and envelope delay distortion specifications for C-type conditioning are:

Attenuation Distortion (Frequency Response) Relative to 1004 Hz

| Frequency | Variation |
|------------|----------------|
| Range (Hz) | (dB) |
| | , |
| 400-2800 | -1.0 to $+2.0$ |
| 300-3000 | -1.0 to +3.0 |
| 3000-3200 | -2.0 to +6.0 |

Envelope Delay <u>Distortion</u>

| | Variation |
|------------|-----------|
| Frequency | (micro- |
| Range (Hz) | seconds) |
| | |
| 1000-2600 | 100 |
| 800-2600 | 200 |
| 600-2600 | 300 |
| 500-2800 | 600 |
| 500-3000 | 3000 |
| | |

(1) This feature is obsolete, and limited to existing installations at existing locations, for existing customers.

Issued: March 26, 1993 Effective: April 11, 1993

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

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7.2.3 Voice Grade Service-(Continued)

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Public Service Commission

- (FC) E. Optional Features and Functions-(Continued)
 - Conditioning-(Continued)
 - a. C-Type Conditioning(1)

C-type conditioning is provided for the additional control of attenuation distortion and envelope delay distortion on data services. The attenuation distortion and envelope delay distortion specifications for C-type conditioning are:

Attenuation Distortion (Frequency Response) Relative to 1004 Hz

| Frequency Range (Hz) | Variation (dB) | |
|-------------------------|-------------------|--|
| 400-2800 | -1.0 to +2.0 | |
| 300-3000 | -1.0 to $+3.0$ | |
| 3000-3200 | -2.0 to $+6.0$ | |

Envelope Delay Distortion

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| Frequency Range (Hz) | Variation (micro- seconds) |
|-------------------------|----------------------------------|
| 1000-2600 | 100 |
| 800-2600 | 200 |
| 600-2600 | 300 |
| 500-2800 | 600 |
| 500-3000 | 3000 |

(AT) (1) This feature is obsolete, and limited to existing installations at existing (AT) locations, for existing customers.

Issued: FEB 2 2 1990

Effective: MAR 2 6 1990

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(CP) ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.3 Voice Grade Service-(Continued)
- D. Optional Features and Functions-(Continued)
 - 3. Conditioning-(Continued)
 - a. C-Type Conditioning

C-type conditioning is provided for the additional control of attenuation distortion and envelope delay distortion on data services. The attenuation distortion and envelope delay distortion specifications for C-type conditioning are:

Attenuation Distortion (Frequency Response) Relative to 1004 Hz

| Frequency Range (Hz) | Variation (dB) |
|-------------------------|----------------|
| 400-2800 | -1.0 to +2.0 |
| 300-3000 | -1.0 to $+3.0$ |
| 3000-3200 | -2.0 to $+6.0$ |

Envelope Delay Distortion

| Frequency Range (Hz) | Variation (micro- seconds) |
|-------------------------|----------------------------------|
| 1000-2600 | 100 |
| 800-2600 | 200 |
| 600-2600 | 300 |
| 500-2800 | 600 |
| 500-3000 | 3000 |

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Access Services Tariff

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Access Services Tariff
Section 7
Original Sheet 21

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)

Public Service Commission

- B. Voice Grade Services-(Continued)
 - 1. Voice Grade 1 (VG1) Special Access Service-(Continued)
 - d. Transmission Performance-(Continued)
 - Improved Return Loss

The Return Loss (RL), expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), on two-wire ports of a four-wire point of interface shall be equal to or greater than:

| | dard RL | Improved | RL |
|-----|---------|----------|----|
| | 5 dB | ERL 20 | |
| SRL | 2.5 dB | SRL 13.5 | dВ |

- Loss Variation

The long term loss variation from the nominal 1004 Hz EML shall not exceed +4.0 dB.

- Attenuation Distortion

The attenuation distortion between 404 Hz and 2804 Hz shall be within -2.0 dB and +10.0 dB with reference to the loss at 1004 Hz (minus equals less loss, plus equals more loss). The attenuation distortion between 504 Hz and 2504 Hz shall be within -2.0 dB and +8.0 dB and between 304 Hz and 3004 Hz shall be within -3.0 dB and +12.0 db.

e. Available Facility Interface Combinations

VG1 is available only with specific facility interface combinations as set forth the large per 12.1, B.14., following.

2. Voice Grade 2 (VG2) Special Access Service JUL 1 1986

a. Description

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Special Access Service VG2 provide SalChannel for voice of frequency transmission capability. Usable frequencies are nominally 300 to 3000 Hz between an IC terminal location and an End User's premises.

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Effective: JAN 0 1 1984

ACCESS SERVICES TARIFF

Southwestern Bell Telephone Company d/b/a AT&T Missouri

Section 7 6th Revised Sheet 22 Replacing 5th Revised Sheet 22

ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.3 Voice Grade(1) Service-(Continued)

(CP)

- E. Optional Features, BSEs and Functions-(Continued)
 - 3. Conditioning BSE-(Continued)
 - b. Sealing Current Conditioning

Sealing current conditioning is provided to help maintain continuity on dry metallic(1) loops. It is usually associated with four-wire DA or NO-type channel interfaces.

(CP)

c. Improved Attenuation Distortion (IAD)

Improved Attenuation Distortion upgrades the frequency versus loss response limits of the channel. The specifications for Improved Attenuation Distortion are delineated in Technical Reference set forth at the end of Paragraph 7.2.

d. C-Conditioning

Issued: May 28, 2021

C-Conditioning upgrades the frequency response and envelope delay distortion limits of the analog data channel. The specifications for C-Conditioning, which are less stringent than C-Type conditioning, are delineated in Technical References set forth at the end of Paragraph 7.2.

e. Improved Envelope Delay Distortion

Improved Envelope Delay Distortion Upgrades the frequency vs. delay response limits of the analog data channel. The specifications for Improved Envelope Delay Distortion are delineated in Technical References set forth at the end of Paragraph 7.2.

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

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Effective: June 30, 2021

Access Services Tariff
Section 7
5th Revised Sheet 22
Replacing 4th Revised Sheet 22

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.3 Voice Grade Service-(Continued)
- (AT) E. Optional Features, BSEs and Functions-(Continued)
- (AT) 3. Conditioning BSE-(Continued)
 - b. Sealing Current Conditioning

Sealing current conditioning is provided to help maintain continuity on dry metallic loops. It is usually associated with four-wire DA or NO-type channel interfaces.

c. Improved Attenuation Distortion (IAD)

Improved Attenuation Distortion upgrades the frequency versus loss response limits of the channel. The specifications for Improved Attenuation Distortion are delineated in Technical Reference set forth at the end of Paragraph 7.2.

d. C-Conditioning

C-Conditioning upgrades the frequency response and envelope delay distortion limits of the analog data channel. The specifications for C-Conditioning, which are less stringent than C-Type conditioning, are delineated in Technical References set forth at the end of Paragraph 7.2.

e. Improved Envelope Delay Distortion

Improved Envelope Delay Distortion Upgrades the frequency vs. delay response limits of the analog data channel. The specifications for Improved Envelope Delay Distortion are delineated in Technical References set forth at the end of Paragraph 7.2.

Issued: March 26, 1993 Effective: April 11, 1993

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Section 7
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Replacing 3rd Revised Sheet 22

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

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Public Service Commission

7.2.3 Voice Grade Service-(Continued)

- (FC) E. Optional Features and Functions-(Continued)
 - Conditioning-(Continued)
 - b. Sealing Current Conditioning

Sealing current conditioning is provided to help maintain continuity on dry metallic loops. It is usually associated with four-wire DA or NO-type channel interfaces.

Improved Attentuation Distortion (IAD)

- c. Improved Attenuation Distortion upgrades the frequency versus loss response limits of the channel. The specifications for Improved Attenuation Distortion are delineated in Technical References set forth at the end of Paragraph 7.2.
- d. C-Conditioning

C-Conditioning upgrades the frequency response and envelope delay distortion limits of the analog data channel. The specifications for C-Conditioning, which are less stringent than C-Type conditioning, are delineated in Technical References set forth at the end of Paragraph 7.2.

e. Improved Envelope Delay Distortion

Improved Envelope Delay Distortion Upgrades the frequency vs. delay response limits of the analog data channel. The specifications for Improved Envelope Delay Distortion are delineated in Technical References set forth at the end of Paragraph 7.2.

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Access Services Tariff
Section 7
3rd Revised Sheet 22
Replacing 2nd Revised Sheet 22

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- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.3 Voice Grade Service-(Continued)

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- D. Optional Features and Functions-(Continued)
 - Conditioning-(Continued)
 - b. Sealing Current Conditioning

Sealing current conditioning is provided to help maintain continuity on dry metallic loops. It is usually associated with four-wire DA or NO-type channel interfaces.

c. Improved Attenuation Distortion upgrades the frequency versus loss response limits of the channel. The specifications for Improved Attenuation Distortion are delineated in Technical Reference PUB 62500 for WALs.

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Access Services Tariff
Section 7
2nd Revised Sheet 22
Replacing—1st—Revised—Sheet 22

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(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Service Descriptions-(Continued)
 - 7.2.3 Voice Grade Service-(Continued)
 - D. Optional Features and Functions-(Continued)
 - 3. Conditioning-(Continued)
 - b. Sealing Current Conditioning

Sealing current conditioning is provided to help maintain continuity on dry metallic loops. It is usually associated with four-wire DA or NO-type channel interfaces.

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ACCESS SERVICES

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- SPECIAL ACCESS SERVICE-(Continued)
 - AUG 1 1-0 1 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)
 - B. Voice Grade Services-(Continued)
 - Voice Grade 2 (VG2) Special Access Service-(Continued)
 - Description-(Continued)

The transmission interface at the End User's premises is two-wire or four-wire and the IC terminal location interface is four-wire. This service will support effective two-wire or effective four-wire transmission.

b. Illustrative Applications

Special Access Service VG2 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as:

- Centrex C.O. Line
- Concentrator Identifier Trunk
- Extension Service
- Off-Premises Intercommunications Line
- Private Line Voice Circuit
- Paging Circuit
- Foreign Exchange Line (Closed End)
- Centrex Station Line Off-Premises
- Off-Premises Extension
- Off-Premises PBX Station Line

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By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

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Access Services Tariff
Section 7
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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

- DEC 29 1200
- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 7.2.1 Analog Services-(Continued) Public Service Commission
 - B. Voice Grade Services-(Continued)
 - 2. Voice Grade 2 (VG2) Special Access Service-(Continued)
 - Description-(Continued)

The transmission interface at the End User's premises is two-wire or four-wire and the IC terminal location interface is four-wire. This service will support effective two-wire or effective four-wire transmission.

b. Illustrative Applications

Special Access Service VG2 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as:

- Centrex C.O. Line
- Concentrator Identifier Trunk
- Extension Service
- Off-Premises Intercommunications Line
- Private Line Voice Circuit
- Foreign Exchange Line (Closed End)
- Centrex Station Line Off-Premises
- Off-Premises Extension
- Off-Premises PBX Station Line

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Southwestern Bell Telephone Company d/b/a AT&T Missouri

Section 7 5th Revised Sheet 23 Replacing 4th Revised Sheet 23

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.3 Voice Grade Service(1)-(Continued)

(CP)

- E. Optional Features, BSEs and Functions-(Continued)
 - 4. Reserved for future use.
- (1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

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Issued: May 28, 2021 Effective: June 30, 2021

Access Services Tariff
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Replacing 3rd Revised Sheet 23

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.3 Voice Grade Service-(Continued)
- (AT) E. Optional Features, BSEs and Functions-(Continued)
 - 4. Reserved for future use.

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Access Services Tariff Section 7 3rd Revised Sheet 23 Replacing 2nd Revised Sheet 23

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

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7.2.3 Voice Grade Service-(Continued)

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(FC) B. Optional Features and Functions-(Continued)

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4. Reserved for future use.

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Access Services Tariff Section 7 2nd Revised Sheet 23 Replacing 1st Revised Sheet 23

(CP)ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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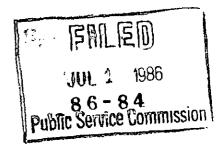
7.2 Service Descriptions-(Continued)

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- 7.2.3 Voice Grade Service-(Continued)
- D. Optional Features and Functions-(Continued)
 - 4. Reserved for future use.

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1st Revised Sheet 23
Replacing Original Sheet 23

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)

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B. Voice Grade Services-(Continued)

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2. Voice Grade 2 (VG2) Special Access Service-(Continued) Commission

- c. Optional Features
 - Central office bridging capability.
 - Improved return loss for effective two-wire transmission at the End User's premises.
 - IC specified End User premises receive level within a range acceptable to the Telephone Company.
 - Improved return loss at four-wire point of interface, applicable to each twowire leg of effective four-wire channel.
- d. Transmission Performance
 - C-Message Noise

The C-Message Noise shall be less than:

| | Limit (di | 3rn(0)(1) |
|-------------------------|--------------------|-----------|
| Channel Mileage (mi) | Type, V1 | Type V2 |
| 0 - 500 NOE | 上上臣业 | 38 |
| 51 - 1060 (4) (10 30 50 | 33 | 39 |
| 101 - 200 | 100C 35 | 41 |
| 201 - 400 INL 1 | 1980 37 | 43 |
| 401 - 1000 | - 1ス ³⁹ | 45 |

- Echo Control BY PUBLIC SERVICE COMMISSION

Echo Control, identified as Equal Level Echo Path Loss at four-wire interfaces or Return Loss at two-wire interfaces, and expressed as Echo Return Loss and Singing Return Loss, at either the End User's premises or IC terminal location shall be not less than the following limits:

(1) Where facility network conditions will support the parameters, Type W 1811 be provided. Where the Type VI parameters cannot be supported, Type V2 will be provided.

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Issued: AUG 1 5 1984

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By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

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PUBLIC SERVICE COMMISSION

ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)
 - B. Voice Grade Services-(Continued)
 - 2. Voice Grade 2 (VG2) Special Access Service-(Continued) C Service Commission
 - c. Optional Features
 - Central office bridging capability.
 - Improved return loss for effective two-wire transmission at the End User's premises.
 - IC specified End User premises receive level within a range acceptable to the Telephone Company on effective four-wire transmission.
 - Improved return loss at four-wire point of interface, applicable to each twowire leg of effective four-wire channel.
 - d. Transmission Performance

- C-Message Noise

The C-Message Noise shall be less than:

| | Limit (dBrnCO)(1) | |
|----------------------|-------------------|---------|
| Channel Mileage (mi) | Type V1 | Type V2 |
| 0 - 50 | 32 | 38 |
| 51 - 100 | 33 | 39 |
| 101 - 200 | 35 | 41 |
| 201 - 400 | 37 | 43 |
| 401 - 1000 | 39 | 45 |

- Echo Control

Echo Control, identified as Equal Level Echo Path Loss at four-wire interfaces or Return Loss at two-wire interfaces, and expressed as Echo Return Loss and Singing Return Loss, at either the End User's premises or IC terminal locations shall be not less than the following limits:

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(1) Where facility network conditions will support the parameters, Type V1 will be provided. Where the Type V1 parameters cannot be supported, Type V2 will be provided.

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Southwestern Bell Telephone Company d/b/a AT&T Missouri

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ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.3 Voice Grade(1) Service-(Continued)

(CP)

- E. Optional Features, BSEs and Functions-(Continued)
 - 5. Improved Termination

Improved termination at a four-wire point of termination, ordered with either an effective two-wire or effective four-wire channel: Provides for a fixed 600 ohm impedance, variable level range and simplex reversal. Telephone Company equipment is required at the customer's premises where this option is ordered. The improved termination parameters are delineated in Technical References set forth at the end of Paragraph 7.2.

6. Improved Return Loss

Improved return loss at a two-wire point of termination ordered only on effective two-wire channels: Provides for more stringent echo control specifications. In order for this option to be applicable, the transmission path must be four-wire at one POT and two-wire at the other POT. Placement of Telephone Company equipment may be required at the customer's premises with the two-wire POT. The improved return loss parameters are delineated in Technical References set forth at the end of Paragraph 7.2.

7. Data Capability

Data capability provides transmission characteristics suitable for data communications. Specifically, data capability provides for the control of signal to C-notched noise ration and intermodulation distortion.

The signal to C-notched noise ratio and intermodulation distortion parameters for data capability are:

- Signal to C-notched noise ratio is equal to or greater than 32 dB
- (1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

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Access Services Tariff
Section 7
3rd Revised Sheet 24
Replacing 2nd Revised Sheet 24

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.3 Voice Grade Service-(Continued)
- (AT) E. Optional Features, BSEs and Functions-(Continued)
 - 5. Improved Termination

Improved termination at a four-wire point of termination, ordered with either an effective two-wire or effective four-wire channel: Provides for a fixed 600 ohm impedance, variable level range and simplex reversal. Telephone Company equipment is required at the customer's premises where this option is ordered. The improved termination parameters are delineated in Technical References set forth at the end of Paragraph 7.2.

6. Improved Return Loss

Improved return loss at a two-wire point of termination ordered only on effective two-wire channels: Provides for more stringent echo control specifications. In order for this option to be applicable, the transmission path must be four-wire at one POT and two-wire at the other POT. Placement of Telephone Company equipment may be required at the customer's premises with the two-wire POT. The improved return loss parameters are delineated in Technical References set forth at the end of Paragraph 7.2.

7. Data Capability

Data capability provides transmission characteristics suitable for data communications. Specifically, data capability provides for the control of signal to C-notched noise ration and intermodulation distortion.

The signal to C-notched noise ratio and intermodulation distortion parameters for data capability are:

- Signal to C-notched noise ratio is equal to or greater than 32 dB

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

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7.2.3 Voice Grade Service-(Continued)

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(FC) E. Optional Features and Functions-(Continued)

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CT) 5. Improved Termination

(CT) Improved termination at a four-wire point of termination, ordered with either an effective two-wire or effective four-wire channel: Provides for a fixed 600 ohm impedance, variable level range and simplex reversal. Telephone Company equipment is required at the customer's premises where this option is ordered. The improved termination parameters are delineated in Technical References set forth at the end of Paragraph 7.2.

- (AT) 6. Improved Return Loss
- (PC) Improved return loss at a two-wire point of termination ordered only on effective two-wire channels: Provides for more stringent echo control specifications. In order for this option to be applicable, the transmission path must be four-wire at one POT and two-wire at the other POT. Placement of Telephone Company equipment may be required at the customer's premises with the two-wire POT. The improved return loss parameters are delineated in Technical References set forth at the end of Paragraph 7.2.
- (FC) 7. Data Capability

(RT)

Data capability provides transmission characteristics suitable for data communications. Specifically, data capability provides for the control of signal to C-notched noise ration and intermodulation distortion.

The signal to C-notched noise ratio and intermodulation distortion parameters for data capability are:

- Signal to C-notched noise ratio is equal to or greater than 32 dB

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Effective: MAR 2 6 1990

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Access Services Tariff Section 7 Ist Revised Sheet 24 Replacing Original Sheet 24

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(CP)ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Service Descriptions-(Continued)
 - 7.2.3 Voice Grade Service-(Continued)
 - D. Optional Features and Functions-(Continued)
 - 5. Improved Return Loss
 - a. Improved return loss at a four-wire point of termination, ordered with either an effective two-wire or effective four-wire channel: Provides for a fixed 600 ohm impedance, variable level range and simplex reversal. Telephone Company equipment is required at the customer's premises where this option is ordered. The improved return loss parameters are delineated in Technical Reference PUB 62501.
 - b. Improved return loss at a two-wire point of termination ordered only on effective two-wire channels: Provides for more stringent echo control specifications. In order for this option to be applicable, the transmission path must be four-wire at one POT and two-wire at the other POT. Placement of Telephone Company equipment may be required at the customer's premises with the two-wire POT. The improved return loss parameters are delineated in Technical Reference PUB 62501.
 - 6. Data Capability

Data capability provides transmission characteristics suitable for data communications. Specifically, data capability provides for the control of signal to C-notched noise ratio and intermodulation distortion. It is available for two-point services or multipoint services.

The signal to C-notched noise ratio and intermodulation distortion parameters for data capability are:

- Signal to C-notched noise ratio is equal to or great

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)

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- B. Voice Grade Services-(Continued)
 - 2. Voice Grade 2 (VG2) Special Access Service-(Continued)
 - d. Transmission Peformance-(Continued)
 - Echo Control-(Continued)

Effective Two-Wire Transmission

(Four-wire interface at the IC terminal location and two-wire interface at the End User's premises.)

| | Echo | | Singing | | | |
|---|--------|------|----------|------|--|--|
| | Return | Loss | Return 1 | Loss | | |
| Standard Return Loss | | • | | | | |
| (at Two-Wire Interface) | 5 | dB | 2.5 | dВ | | |
| Improved Return Loss (at Two-wire Inter- face) | 13 | ₫₿ | 8 | dB | | |
| Four-Wire Interface (Equal Level Echo Path Loss) (For Centrex Application, | 16 | ₫B | | dB | | |
| 2 dB pad is "in") | | | | | | |

Effective Four-Wire Transmission E

(Two-wire interface at the End User's premises.)

Two-wire Interface Public SERVICE COMMISSION Return Loss

(Return Loss)

Four-wire Interface
(Equal Level Echo Path Loss)

20 dB

Singing
Return Loss

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Southwestern Bell Telephone Company d/b/a AT&T Missouri

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.3 Voice Grade(1) Service-(Continued)

(CP)

- E. Optional Features, BSEs and Functions-(Continued)
 - 7. Data Capability-(Continued)
 - Intermodulation distortion:
 - Signal to second order modulation products (R2) is equal to or greater than 38 dB
 - Signal to third order modulation products (R3) is equal to or greater than 42 dB

When a service equipped with data capability is used for voice communications, the quality of the voice transmission may not be satisfactory.

8. Improved Echo Control

Issued: May 28, 2021

Improved Echo Control for two-wire WALs(1) provides more stringent control of reflected signals. Placement of Telephone Company equipment may be required at the customer's premises. The Improved Echo Control specifications are delineated in Technical References set forth at the end of Paragraph 7.2.

(CP)

9. Improved Equal Level Echo Path Loss

Provides improved echo control at four-wire interface for effective two- wire voice grade configurations. Specifications can only be met with limited facility configurations. Improved Equal Level Echo Path Loss specifications are delineated in Technical References set forth at the end of Paragraph 7.2.

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing (AT) customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (AT)

Effective: June 30, 2021

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ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.3 Voice Grade Service-(Continued)
- (AT) E. Optional Features, BSEs and Functions-(Continued)
 - 7. Data Capability-(Continued)
 - Intermodulation distortion:
 - Signal to second order modulation products (R2) is equal to or greater than 38 dB
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When a service equipped with data capability is used for voice communications, the quality of the voice transmission may not be satisfactory.

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

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7.2.3 Voice Grade Service-(Continued)

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(FC) E. Optional Features and Functions-(Continued)

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(CT)

(AT)

- 7. Data Capability-(Continued)
 - Intermodulation distortion:
 - Signal to second order modulation products (R2) is equal to or greater than 38 dB
 - Signal to third order modulation products (R3) is equal to or greater than 42 dB

When a service equipped with data capability is used for voice communications, the quality of the voice transmission may not be satisfactory.

(FC) 8. Improved Echo Control

Improved Echo Control for two-wire WALs provides more stringent control of reflected signals. Placement of Telephone Company equipment may be required at the customer's premises. The Improved Echo Control specifications are delineated in Technical References set forth at the end of Paragraph 7.2.

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Provides improved echo control at four-wire interface for effective two-wire voice grade configurations. Specifications can only be met with limited facility configurations. Improved Equal Level Echo Path Loss specifications are delineated in Technical References set forth at the end of Paragraph 7.2.

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7. SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

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7.2.3 Voice Grade Service-(Continued)

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- D. Optional Features and Functions-(Continued)
 - 6. Data Capability-(Continued)
 - Intermodulation distortion:
 - Signal to second order modulation products (R2) is equal to or greater than 38 dB
 - Signal to third order modulation products (R3) is equal to or greater than 42 dB

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(AT)

(TA)

Improved Echo Control for two-wire WALs provides more stringent control of reflected signals. Placement of Telephone Company equipment may be required at the customer's premises. The Improved Echo Control specifications are delineated in Technical Reference PUB 62500 for WALs.

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Effective: OCT 16 1987

(CP)ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE + (Continued)
- 7.2 Service Descriptions-(Continued)
 - 7:2.3 Voice Grade Service-(Continued)
 - D. Optional Features and Functions-(Continued)
 - Data Capability-(Continued)
 - Intermodulation distortion:
 - Signal to second order modulation products (R2) is equal to or greater than 38 dB
 - Signal to third order modulation products (R3) is equal to or greater than 42 dB

When a service equipped with data capability is used for voice communications, the quality of the voice transmission may not be satisfactory.

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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- 7.2 Technical Service Descriptions for Special Access Service (Continued)
 - 7.2.1 Analog Services-(Continued)
 - B. Voice Grade Services-(Continued)
 - 2. Voice Grade 2 (VG2) Special Access Service-(Continued)
 - d. Transmission Peformance-(Continued)
 - Improved Return Loss

The Return Loss (RL), expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), on two-wire ports of a four-wire point of interface shall be equal to cr greater than:

| Standard RL | | Improved RL |
|-------------|--------|-------------|
| | 5 dB | ERL 20 dB |
| SRL | 2.5 dB | SRL 13.5 dB |

- Loss Variation

The long term loss variation from the nominal 1004 Hz EML shall not exceed $\pm 1.5 \text{ dB}$.

- Attenuation Distortions

The attenuation distortion between 404 Hz and 2804 Hz shall be within -1.0 dB and +4.0 dB with reference to the loss at 1004 Hz (minus equals less loss, plus equals more loss). The attenuation distortion between 304 Hz and 3004 Hz shall be within -1.0 dB and +5.0 dB.

e. Available Facility Interface Combinations

VG2 is available only interface combinations as set forth in Paragraph 7.2.1, B.14 ? [2]

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ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.3 Voice Grade(1) Service-(Continued)

(CP)

- E. Optional Features, BSEs and Functions-(Continued)
 - 10. Signaling Capability

Signaling capability provides for the process by which one customer premises alerts another customer premises on the same service with which it wishes to communicate.

11. Selective Signaling Arrangement

An arrangement that permits code selective ringing for up to ten codes on a multipoint service.

12. Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of their access channel(s). The arrangement can be utilized to transfer a leg of a Special Access Service to another channel that terminates in either the same or a different customer premises. A key activated or dial-up control service is required to operate the transfer arrangement. A spare line, if required, is not included as part of the option.

The following table shows the technical specifications packages with which the optional features, BSEs and functions are available.

Available with Technical Specifications Package VG-

<u>C 1 2 3 4 5 6 7 8 9 10 11 12 W</u>

| C-Type Condi- | | | | | | |
|----------------|---|---|----|----|----|-------|
| tioning (1) | Χ | | ΧХ | XX | XX | Χ |
| Central Office | | | | | | |
| Bridging | | | | | | |
| Capabilit | Χ | Χ | ХХ | | | X X X |
| Central Office | | | | | | |
| Multiplexing | Χ | | Χ | | | |
| C-Conditioning | Χ | | ХХ | Χ | ХХ | X |

- (1) This feature is obsolete, and limited to existing installations at existing locations, for existing customers.
- (2) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(AT)

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ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.3 Voice Grade Service-(Continued)
- (AT) E. Optional Features, BSEs and Functions-(Continued)
 - 10. Signaling Capability

Signaling capability provides for the process by which one customer premises alerts another customer premises on the same service with which it wishes to communicate.

11. Selective Signaling Arrangement

An arrangement that permits code selective ringing for up to ten codes on a multipoint service.

12. Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of their access channel(s). The arrangement can be utilized to transfer a leg of a Special Access Service to another channel that terminates in either the same or a different customer premises. A key activated or dial-up control service is required to operate the transfer arrangement. A spare line, if required, is not included as part of the option.

The following table shows the technical specifications packages with which the optional features, BSEs and functions are available.

Available with Technical Specifications Package VG-

<u>C</u> <u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u> <u>8</u> <u>9</u> <u>10</u> <u>11</u> <u>12</u> <u>W</u>

| C-Type Condi- | | | | |
|----------------|---|---|---------|-------|
| tioning (1) | X | | X X X X | X X X |
| Central Office | | | | |
| Bridging | | | | |
| Capabilit | X | X | XX | X X X |
| Central Office | | | | |
| Multiplexing | X | | X | |
| C-Conditioning | X | | X X X X | X X X |

(1) This feature is obsolete, and limited to existing installations at existing locations, for existing customers.

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(AT)

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ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

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7.2.3 Voice Grade Service-(Continued)

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(FC) E. Optional Features and Functions-(Continued)

(FC) 10. Signaling Capability

> Signaling capability provides for the process by which one customer premises alerts another customer premises on the same RCELLED vice with which it wishes to communicate.

(PC) 11. Selective Signaling Arrangement

> Public Service Commission An arrangement that permits code selective ringing for up 28codes on a multipoint service. MISSOURI

12. Transfer Arrangement (FC)

> An arrangement that affords the customer an additional measure of flexibility in the use of their access channel(s). The arrangement can be utilized to transfer a leg of a Special Access Service to another channel that terminates in either the same or a different customer premises. A key activated or dial-up control service is required to operate the transfer arrangement. A spare line, if required, is not included as part of the option.

The following table shows the technical specifications packages with which the optional features and functions are available.

Available with Technical Specifications Package VG-

| | | <u>c</u> | <u>1</u> | 2 | <u>3</u> | <u>4</u> | 5 | <u>6</u> | 7 | <u>8</u> | 9 | <u>10</u> | <u>11</u> | <u>12</u> | ¥ |
|------|--|----------|----------|---|----------|----------|---|----------|---|----------|---|-----------|-----------|-----------|---|
| (TA) | C-Type Condi- tioning (1) Central Office | x | | | | | X | x | x | x | X | x | | | |
| | Bridging Capabilit Central Office | X | | x | | | x | X | | | | X | x | X | |
| (AT) | Multiplexing C-Conditioning | X | | | | | X | X X | X | X | X | x | | | |

(AT) (1) This feature is obsolete, and limited to existing installations at existing

locations, for existing customers. AT)

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SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

OCT 1 3 1987

7.2.3 Voice Grade Service-(Continued)

MISSOURI
Public Service Commission

D. Optional Features and Functions-(Continued)

8. Signaling Capability

Signaling capability provides for the process by which one customer premises alerts another customer premises on the same service with which it wishes to communicate.

9. Selective Signaling Arrangement

An arrangement that permits code selective ringing for up to ten codes on a multipoint service.

10. Transfer Arrangement

(TA)

An arrangement that affords the customer an additional measure of flexibility in the use of their access channel(s). The arrangement can be utilized to transfer a leg of a Special Access Service to another channel that terminates in either the same or a different customer premises. A key activated or dial-up control service is required to operate the transfer arrangement. A spare line, if required, is not included as part of the option.

The following table shows the technical specifications packages with which the optional features and functions are available.

Available with Technical Specifications Package VG-2 3 4 10 11 <u>12 W</u> C-Type Conditioning X X X X X X Central Office Bridging X X Capability X Central Office FILED X Multiplexing Service Commission OCT 16 1987 TO-87-42 Public Service Commission

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(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
 - 7.2.3 Voice Grade Service-(Continued)
 - D. Optional Features and Functions-(Continued)
 - 8. Signaling Capability

Signaling capability provides for the process by which one customer premises alerts another customer premises on the same service with which it wishes to communicate.

9. Selective Signaling Arrangement

An arrangement that permits code selective ringing for up to ten codes on a multipoint service.

10. Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of their access channel(s). The arrangement can be utilized to transfer a leg of a Special Access Service to another channel that terminates in either the same or a different customer premises. A key activated or dial-up control service is required to operate the transfer arrangement. A spare line required is not included as part of the option.

The following table shows the technical specifications packages of 1087 with which the optional features and function

Specifications Package VGF (15)10 Service Commission

Specifications Package VGF (15)10 Service Commission

MISSOURI 11 12 7 10 2 3 C-Type Condi-X Х X X X tioning Х X Central Office Bridging X X X X Capability Central Office Multiplexing X X 86-84 fic Service Commission Issued: Effective: JUN 27 1986

> By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Technical Service Descriptions for Special Access Service (Continued) Mill SS OF
 - 7.2.1 Analog Services-(Continued)
 - Voice Grade Services-(Continued)
 - Voice Grade 3 (VG3) Special Access Service
 - Description

Special Access Service VG3 provides a channel for voice frequency transmission capability. Usable frequencies are nominally 300 to 3000 Hz between an IC terminal location and an End User's premises. The transmission interface at the End User's premises is two-wire or four-wire, and the IC terminal location interface is four-wire. This service will support effective two-wire or four-wire transmission.

b. Illustrative Applications

Special Access Service VG3 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as:

- Foreign Exchange Trunk (Closed End)
- Alternate Use Service
- PBX/CTX Tie Trunks
- SSN Access Line
- SSN Station Line
- SSN Network Line
- SSN Tie Trunk
- Station and Premises Connecting Facilities

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ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)

7.2.3 Voice Grade(1) Service-(Continued)

(CP)

E. Optional Features, BSEs and Functions-(Continued)

Available with Technical Specifications Package VG-

| | <u>C</u> | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> | <u>5</u> | <u>6</u> | <u>7</u> | <u>8</u> | <u>9</u> | <u>10</u> | <u>1</u> | 1 | <u>12</u> | <u>W</u> |
|---|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|-----------|----------|---|-----------|----------|
| Data Capability | X | | | | | | Χ | | | | X | | | | v |
| Improved Attenuation Distortion (IAD) Improved Echo Control at two-wire | X | | | | | X | X | X | X | X | X | | | | Х |
| WAL(1) point of termination Improved Termination at four-wire | | | | | | | | | | | | | | | X+ |
| point of termina- tion | X | X | X | X | () | < X | X | X | Χ | X | X | () | X | | |
| Improved Return Loss at two-wire | | | | | | | | | | | | | | | |
| point of termina- tion | X | | Χ | Χ | | | X | | | | | | | | |
| Improved ELEPL Sealing Current | X | X | Χ | Χ | X | | Χ | | | | | | | | |
| Conditioning Selective Signal- | X | X | | | | Χ | X | | | |) | < | | Χ | |
| ing Arrangement Signaling | X | | Χ | | | | | | | | | | | | |
| Capability Improved Envelope Delay | X | Χ | X | Х | | | | X | X | > | (| | | | * |
| Distortion(IEDD) Transfer | X | | | | | | X | X | X | > | () | Χ | Χ | | |
| Arrangement | X | Χ | Χ | Χ | X | X | X | X | X | > | () | X | Χ | Χ | |

* Signaling is provided in conjunction with Switched Access Service.

+ When WAL(1) extensions are provided, Echo Control limits are not applicable.

(CP)

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

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- 7. SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Service Descriptions-(Continued)
 - 7.2.3 Voice Grade Service-(Continued)
- (AT) E. Optional Features, BSEs and Functions-(Continued)

Available with Technical Specifications Package VG-

| | <u>C</u> | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> | <u>5</u> | <u>6</u> | <u>7</u> | <u>8</u> | 9 | <u>10</u> | <u>11</u> | <u>12</u> | $\underline{\mathbf{W}}$ |
|--------------------------------------|----------|------------|------------|----------|----------|------------|--------------|--------------|----------|-----|-----------|------------|------------|--------------------------|
| Data Capability Improved Attenuation | X | | | | | | X | | | | X | | | X |
| Distortion (IAD) | X | | | | | X | X | X | X | X | X | | | |
| Improved Echo | | | | | | | | | | | | | | |
| Control at two-wire | | | | | | | | | | | | | | |
| WAL point of | | | | | | | | | | | | | | |
| termination | | | | | | | | | | | | | | X+ |
| Improved Termination at four-wire | | | | | | | | | | | | | | |
| point of termina- | X | X | X | X | _ | X | X | \mathbf{X} | X | X | X | X | X | |
| tion | | | | | | | | | | | | | | |
| Improved Return Loss | | | | | | | | | | | | | | |
| at two-wire | | | | | | | | | | | | | | |
| point of termina- | X | | X | X | | | | X | | | | | | |
| tion | •• | | _, | | | | | | | | | | | |
| Improved ELEPL | X | X | X | X | Ĺ | X | | X | | | | | | |
| Sealing Current | 37 | • | | | | 1 7 | 3 7 | | | | • | , | 3 7 | |
| Conditioning | X | X | | | | X | X | | | | X | | X | |
| Selective Signal- | 37 | | 3 7 | | | | | | | | | | | |
| ing Arrangement | X | | X | | | | | | | | | | | |
| Signaling | v | 17 | 3 7 | 17 | | | | 3 7 | 17 | 37 | | | | * |
| Capability | Λ | Λ | Λ | X | | | | X | Χ | Λ | | | | 7 |
| Improved Envelope | | | | | | | | | | | | | | |
| Delay Distortion(IEDD) | X | | | | | | \mathbf{v} | v | v | 7 | , , | X | 7 | |
| Distortion(IEDD) Transfer | Λ | | | | | | Λ | Λ | Λ | 1 | 1 1 | 1 1 | 1 | |
| Arrangement | Y | Y | ¥ | X | 7 | Y | X | Y | ¥ | . , | Y · | Y · | Y · | ХХ |
| 1 intaligement | 11 | 1 1 | 73 | | • | 4 1 | 1 1 | 4 1 | 73 | | | . . | . . | |

^{*} Signaling is provided in conjunction with Switched Access Service.

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⁺ When WAL extensions are provided, Echo Control limits are not applicable.

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SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

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7.2.3 Voice Grade Service-(Continued)

Public Service Commission

(FC) E. Optional Features and Functions-(Continued)

| | | | | | | | | | Tec Pack | | | | | | |
|------|---|----------|----------|----------|----------|---|----------|----------|-------------|---|------|------------|-----------|-----------|------------------|
| | | <u>c</u> | 1 | <u>2</u> | <u>3</u> | 4 | <u>5</u> | <u>6</u> | <u>7</u> | 8 | 9 | <u>10</u> | <u>11</u> | <u>12</u> | <u> </u> |
| (RT) | Data Capability Improved Attenuation | X | | | | | | X | | | | X | | | x |
| (AT) | Distortion (IAD) Improved Echo Control at two-wire WAL point of termination | X | | | | | X | X | X | X | X | X | | | X+ |
| (CT) | Improved Termination at four-wire point of termina-tion | x | X | X | x | X | x | X | x | x | X | X | ″ÇI X | ΞĽL' | ED |
| (TA) | Improved Return Loss at two-wire point of termina- tion | x | | x | x | | | | x | | | 74 | R 1 | 1 199 | 33 <i>*</i> 7 |
| (AT) | Improved ELEPL Sealing Current | X | x | X | X | | X | • | X | | ahli | BY Ic S | BLA!(| e C | ommission JRI |
| | Conditioning Selective Signal- ing Arrangement | X X | X | X | | | X | X | | 1 | יטטי | X | MIS | SQU | יחנ |
| | Signaling Capability | X | x | X | x | | | | x | X | x | | | | * |
| (TA) | Improved Envelope Delay | | • | • | • | | | | • | | • | | | | |
| | Distortion(IEDD) Transfer | X | | | | | X | X | X | X | X | X | | | |
| | Arrangement | X | X | X | X | X | X | X | X | X | X | X | X | X | |

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* Signaling is provided in conjunction with Switched Access Service.

+ When WAL extensions are provided, Echo Control limits are not applicable.

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

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7.2.3 Voice Grade Service-(Continued)

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D. Optional Features and Functions-(Continued)

Public Service Commission

Transfer Arrangement-(Continued)

Available with Technical Specifications Package VG-(AT) <u>C 1 2 3 4 5 6 7 8 9 10 11 12</u> CANCELLED X Data Capability (AT) Improved Attenuation MAR 26, 1390 X Distortion Improved Echo Public Service Commission Control at two-wire WAL point of (AT) termination X+ Improved Return Loss at four-wire point of termina-X X X X X X X X X Xtion X at two-wire point of termina-X X X X tion Sealing Current $\mathbf{X} \quad \mathbf{X}$ $\mathbf{X} \quad \mathbf{X}$ X X Conditioning Selective Signal-X X ing Arrangement Signaling XXXX $\mathbf{X} \mathbf{X} \mathbf{X}$ Capability (RT) Transfer \mathbf{X} \mathbf{X} \mathbf{X} \mathbf{X} \mathbf{X} \mathbf{X} \mathbf{X} \mathbf{X} \mathbf{X} \mathbf{X} X X X Arrangement

E. Four-Wire/Two-Wire Conversion

When a customer requests that an effective four-wire channel be terminated with a two-wire channel interface at the customer-designated premises, a four-wire to two-wire conversion is required. The rate for the conversion is included as part of the basic Channel Termination rate.

(AT) * Signaling is provided in conjunction with Switched Access Service. OCT 16 1987

(AT) + When WAL extensions are provided, Echo Control limits are not applicable 7-42

Issued: OCT 1 4 1987

Effective: OCT 16 198/

Access Services Tariff
Section 7

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(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Service Descriptions-(Continued)
 - 7.2.3 Voice Grade Service-(Continued)
 - D. Optional Features and Functions-(Continued)

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JUN 27 1986

| | | | | | | | | | echni ckage | cal VG- | <u>.</u> | ···· | |
|---|----------|---|---|----------|----------|----------|----------------|----------------|----------------|--------------|---------------|------|----|
| | <u>c</u> | 1 | 2 | <u>3</u> | <u>4</u> | <u>5</u> | <u>6</u> | 7 | <u>8</u> | <u>9</u> | <u>10</u> | 11 | 12 |
| Data Capability Improved Return Loss At Four-Wire | X | | | | | | X | X | | | Х | | |
| Point Of Termination | X | X | X | X | X | X | X | X | X | čh | X | X | X |
| At Two-Wire Point Of Termination Sealing Current | X | | X | X | | | CA | /VC | ELI | ÊD | | | |
| Conditioning Selective Sig- naling Arrange- | X | X | | | | X | x ₀ | CT . 139 | 16 N | 381 3.5.# | ±27 nissiα | nc | Х |
| ment | X | | X | | | · | D Lici | Serv | ice | nai Doini | 1110 | | |
| Signaling Capability | X | X | X | X | | Pu | Diio | N _i | SSU X | VP.I | | | |
| Transfer Arrangement | X | X | X | X | X | X | X | X | X | X | X | X | X |

E. Four-Wire/Two-Wire Conversion

When a customer requests that an effective four-wire channel be terminated with a two-wire channel interface at the customer-designated premises, a four-wire to two-wire conversion is required. The rate for the conversion is included as part of the basic Channel Termination rates of

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)

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B. Voice Grade Services-(Continued)

MISSOURI

- 3. Voice Grade 3 (VG3) Special Access Service-(Continued; blic Service Commission
 - c. Optional Features
 - Improved return loss for effective two-wire transmission at the End User's premises.
 - IC specified End User's premises receive level within a range acceptable to the Telephone Company.
 - Improved return loss at four-wire point of interface, applicable to each two-wire leg of effective four-wire channel.
 - d. Transmission Performance
 - C-Message Noise

The C-Message noise shall be less than:

| | Limit (d | BLuco(1) |
|--|--------------------|------------|
| Channel Mileage (mi) | Type Vl | Type V2 |
| 0 - 50 51 - 100 PANGEL 101 - 200 | 12 m ³² | 38 |
| 51 - 10000 (1) (1) (1) [1] [1] | LにUB3 | 3 9 |
| 101 - 200世紀時間 | 35 | 41 |
| 201 - 400 | 37 | 43 |
| 401 - 1000 JUL 1 198 | 39 | 45 |

- Echo Control BY

PUBLIC SERVICE COMMISSION
Echo Control, identif Ded Dequal Level Echo Path Loss at fourwire interfaces or Return Loss at two-wire interfaces, for both
Echo Return Loss and Singing Return Loss, at either the End
User's premises or IC terminal location shall be not less
than the following limits:

(1) Where facility network conditions will support the parameters, Type VI will be provided. Where the Type VI parameters cannot be supported Type V204111 be provided.

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Access Services Tariff
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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

DEC 28 1883

- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)
 - B. Voice Grade Services-(Continued)
 - Voice Grade 3 (VG3) Special Access Service-(Continued)
 - c. Optional Features
 - Improved return loss for effective two-wire transmission at the End User's premises.
 - IC specified End User's premises receive level within a range acceptable to the Telephone Company on effective four-wire transmission.
 - Improved return loss at four-wire point of interface, applicable to each two-wire leg of effective four wife leg channel.
 - d. Transmission Performance

- C-Message Noise

The C-Message noise shall be less than:

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PUBLIC SERVICE COMMISSION
OF MISSOURI

OCT 1 5 1984

| | Limit (dl | 3rnCO)(1) |
|----------------------|-----------|-----------|
| Channel Mileage (mi) | Type Vl | Type V2 |
| 0 - 50 | 32 | 38 |
| 51 - 100 | 33 | 39 |
| 101 - 200 | . 35 | 41 |
| 201 - 400 | 37 | 43 |
| 401 - 1000 | 39 | 45 |

- Echo Control

Echo Control, identified as Equal Level Echo Path Loss at four-wire interfaces or Return Loss at two-wire interfaces, for both Echo Return Loss and Singing Return Loss, at either the End User's premises or IC terminal location shall be not less than the following limits:

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 Where facility network conditions will support the parameters, Type V1 will be provided. Where the Type V1 parameters cannot be supported, Type V2 will be provided.

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Effective:

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ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.3 Voice Grade(1) Service-(Continued)

(CP)

F. Four-Wire/Two-Wire Conversion

When a customer requests that an effective four-wire channel be terminated with a two-wire channel interface at the customer-designated premises, a four-wire to two-wire conversion is required. The rate for the conversion is included as part of the basic Channel Termination rate.

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(AT)

(AT)

Issued: May 28, 2021 Effective: June 30, 2021

Access Services Tariff
Section 7
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Replacing 2nd Revised Sheet 28

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.3 Voice Grade Service-(Continued)
- (FC) F. Four-Wire/Two-Wire Conversion

When a customer requests that an effective four-wire channel be terminated with a two-wire channel interface at the customer-designated premises, a four-wire to two-wire conversion is required. The rate for the conversion is included as part of the basic Channel Termination rate.

Issued: February 22, 1990 Effective: March 26, 1990

P.S.C. Mo.-No. 36

No supplement to this tariff will be issued except for the purpose of canceling this tariff. Access Services Tariff
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ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

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(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Service Descriptions-(Continued)
 - 7.2.4 Program Audio Service
 - A. Basic Channel Description

A Program Audio channel is a channel measured in Hz for the transmission of a complex signal voltage. The actual bandwidth is a function of the channel interface selected by the customer. Only one-way transmission is provided. Program Audio channels are provided between customer designated premises or between a customer designated premises and a Telephone Comp CANCELL pany Hub.

B. Technical Specifications Packages

| Technical Specifications | Packages | | | | | 1989 |
|--|-------------|-----|--------|----------|-----------|-------------|
| Townson Special Control of the Contr | 100,112,011 | | | | OCT } | 20 C#28 |
| | | Pac | kage A | P | - 0 M | 13.15 |
| Parameter | <u>C(1)</u> | 1 | 2 | <u> </u> | C SECTION | Socialis |
| Actual Measured Loss | X | Х | Х | X | X V3?? | المعانية ال |
| Amplitude Tracking | X | Λ | Λ | Λ | Δ | |
| Crosstalk | X | X | X | X | X | • |
| Distortion Tracking | Х | | | | | |
| Gain/Frequency Distortion | X | X | X | X | X | |
| Group Delay | X | Λ | Λ | Α | Λ | |
| Noise | X | Х | X | X | X | |
| Phase Tracking | X | | | | | |
| Short-Term Gain | | | | | | |
| Stability | X | | | | | |
| Short-Term Loss | X | | | | | |
| Total Distortion | X | X | X | X | X | |

The technical specifications are delineated in Technical Reference PUB 62503 and associated Addendum.

C. Channel Interfaces

The following channel interfaces (CI's) define the bandwidth available for a Program Audio channel:

(1) The desired parameters are selected by the customer from the 1866 of 84 available parameters.

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Effective:

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ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

- 7.2 Technical Service Descriptions for Special Access Service (Continued) mmscio
 - 7.2.1 Analog Services-(Continued)
 - B. Voice Grade Services-(Continued)
 - 3. Voice Grade 3 (VG3) Special Access Service-(Continued)
 - Transmission Performance-(Continued)
 - Echo Control-(Continued)

Effective Two-Wire Transmission

(Four-wire interface at the IC terminal location, twowire interface at the End User's premises.)

| | Echo | Singing |
|------------------------------------|-------------|-------------|
| | Return Loss | Return Loss |
| Standard Return Loss | | |
| <pre>(at Two-Wire Interface)</pre> | 5 dB | 2.5 dB |
| Improved Return Loss | | |
| (at Two-Wire Interface) | 13 dB | 8 dB |
| Four-Wire Interface | 16 dB | 11 dB |
| (Equal Level Echo | | |
| Path Loss) | | • |
| (For Centrex application, | | * |
| 2 dB pad is "in") | | |

Effective Four-Wire Transmission

(Two-wire interface at the End User's premises).

Echo Singing Return Loss Return Loss (Return Loss) PUBLIC SERVICE COMMISSION Two-Wire Inter To 24 dB 18 dB | i 14 aB. ; 20 dB Four-Wire Interface (Equal Level Echo Path Loss) JAN - 1 185. 83 - 253

Issued: DEC 2 9 1983

JAN 0 1 1984 Effective:

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ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)



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Issued: September 25, 1989 Effective: October 1, 1989

Access Services Tariff Section 7 1st Revised Sheet 29 Replacing Original Sheet 29

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(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Service Descriptions-(Continued)
 - 7.2.4 Program Audio Service-(Continued)
 - C. Channel Interfaces-(Continued)

| CI | | Bandwidt | <u>n</u> | | | |
|------|---------|-----------|----------|---------|---------|----|
| PG-1 | Nominal | frequency | from | 50 to 1 | 5000 | Hz |
| PG-3 | Nominal | frequency | from | 200 to | 3500 J | Ηz |
| PG-5 | Nominal | frequency | from | 100 to | 5000 1 | Ηz |
| PG-8 | Nominal | frequency | from | 50 to 8 | 1000 H: | 2 |
| | | | | | | |

Compatible channel interfaces are set forth in Paragraph 7.3.5, D., following.

- D. Optional Features and Functions
 - 1. Central Office Bridging Capability Distribution Amplifier
 - 2. Gain Conditioning

Public Service Commission Public MAISSOURIE Control of 1004 Hz AML at initiation of service to 0 dB \pm .05 dB.

3. Stereo

Provision of a pair of gain/phase equalized channels for stereo applications. (additional AP channel must be ordered separately.)

The following table shows the technical specifications packages with which the optional features and functions are available.

> Available with Technical Specifications Package AP-

| | <u>c</u> | 1 | <u>2</u> | 13 华风区间 |
|--|-------------|--------|----------|---|
| Central Office Bridging Capability Gain Conditioning Stereo | X X X | X X | X X | x XII 1 1986 x X8 6 - 8 4 Public Service Commission |

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)

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- B. Voice Grade Services-(Continued)
 - 3. Voice Grade 3 (VG3) Special Access Service-(Continued)
 - d. Transmission Performance-(Continued)
 - Improved Return Loss

The Return Loss (RL), expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), on two-wire ports of a four-wire point of interface shall be equal to or greater than:

| Stan | dard RL | Improved R | |
|------|---------|------------|---|
| ERL | 5 dB | ERL 20 d | |
| SRL | 2.5 dB | SRL 13.5 d | В |

- Loss Variation

The long term loss variation from the nominal 1004 Hz EML shall not exceed ± 1.5 dB.

- Attentuation Distortions

The attenuation distortion between 404 Hz and 2804 Hz shall be within -1.0 dB and +3.0 dB with reference to the loss at 1004 Hz (minus equals less loss, plus equals more loss). The attenuation distortion between 304 Hz and 3004 Hz shall be within -1.0 dB and +5.0 dB.

e. Available Facility Interface Combinations

VG3 is available only with specific facility interface combinations as set forth in Paragraph 7.2.1, B., 14, following.

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P.S.C. Mo. - No. 36 ACCESS SERVICES TARIFF

Southwestern Bell Telephone Company d/b/a AT&T Missouri Section 7 3rd Revised Sheet 30 Replacing 2nd Revised Sheet 30

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)

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St. Louis, Missouri

Access Services Tariff
Section 7
2nd Revised Sheet 30
Replacing 1st Revised Sheet 30

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

7.2.5 Wideband Analog Service

A. Basic Channel Description

A Wideband Analog channel is a channel with a bandwidth measured in kHz for the transmission of a wideband signal. The actual bandwidth is a function of the channel interface selected by the customer. Wideband Analog channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub.

B. Technical Specifications Packages

| Package WA- |
|--|
| 1 2 2A 3 4 |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$ |
| X X X |
| X X X X X X X X X X X X X X |
| |

The technical specifications are delineated in Technical References (CT) listed in Paragraph 7.2, preceding.

Issued: August 9, 1991 Effective: September 30, 1991

(CP)ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
 - 7.2.5 Wideband Analog Service
 - A. Basic Channel Description



A Wideband Analog channel is a channel with a bandwidth measured in kHz for the transmission of a wideband signal. The actual bandwidth is a function of the channel interface selected by the customer. Wideband Analog channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub.

B. Technical Specifications Packages

| | | Pac | ckage W | 4- | | |
|---|-------------|-------------|-----------|----------|-----------|--|
| Parameter | 1 | 2 | <u>2A</u> | <u>3</u> | 4 | CANCELLED |
| Amplitude Stability Background Noise Frequency Shift Gain/Frequency Characteristics of: | X X X | X X X | X X | X | x Pub! | SEP 3 0 1991 By 2~ R.C *3» ic Service Commission |
| -Group Connections -Supergroup | X | | | X | X | MISSOURI |
| Connections -Mastergroup Connections | | X | X | | | |
| Impulse Noise Net Loss Variations | X X | X X | X X | x | x | |
| Pilot Slot Spurious Single | Х | X | X | | | |
| Frequency Tone | X | X | X | | | |

The technical specifications are delineated in Technical Reference PUB 62505 and associated Addendum.

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)

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- B. Voice Grade Services-(Continued)
 - 4. Voice Grade 4 (VG4) Special Access Service

Reserved For Future Use

- 5. Voice Grade 5 (VG5) Special Access Service
 - Description

Special Access Service VG5 provides a channel for voiceband data transmission capability. Usable frequencies are nominally 300 to 3000 Hz between an IC terminal location and an End User's premises. The transmission interface can be either two-wire or four-wire at the End User's premises and the IC terminal location. This service will support effective two-wire or four-wire transmission.

b. Illustrative Applications

Special Access Service VG5 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as:

- Protective Alarm
- DATAPHONE Select-A-Station
- c. Optional Features
 - C-Conditioning
 - Central office bridging capability.
 - Improved return loss at four-wire point of interface, applicable to each two-wire leg of effective four-rise channel.

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P.S.C. Mo. - No. 36 ACCESS SERVICES TARIFF

Southwestern Bell Telephone Company d/b/a AT&T Missouri Section 7 4th Revised Sheet 31 Replacing 3rd Revised Sheet 31

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Service Descriptions-(Continued)

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Replacing 2nd Revised Sheet 31

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

- 7.2 Service Descriptions-(Continued)
- 7.2.5 Wideband Analog Service-(Continued)
- C. Channel Interfaces

The following channel interfaces (CIs) define the bandwidths that are available for a Wideband Analog channel:

| <u>CI</u> | <u>Bandwidth</u> |
|-----------|-----------------------------------|
| AH-B | 60 kHz to 108 kHz (Group) |
| AH-C | 312 kHz to 552 kHz (Supergroup) |
| AH-D | 564 kHz to 3084 kHz (Mastergroup) |
| WD-1 | 300 Hz to 18 kHz |
| WD-2 | 29 kHz to 44 kHz |
| WD-3 | 28 kHz to 44 kHz |

Compatible channel interfaces are set forth in Technical References at the end of Paragraph 7.2.

- (AT) D. Optional Features, BSEs and Functions
- (AT) 1. Central Office Multiplexing BSE
 - a. Mastergroup to Supergroup

An arrangement that converts a Mastergroup channel to ten Supergroup channels using frequency division multiplexing.

b. Supergroup to Group

An arrangement that converts a Supergroup channel to five Group channels using frequency division multiplexing.

c. Group to Voice

An arrangement that converts a Group channel to twelve Voice Grade channels using frequency division multiplexing. A channel(s) of this Group level service to the Hub can also be used for Program Audio service.

Issued: March 26, 1993 Effective: April 11, 1993

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7. SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

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7.2.5 Wideband Analog Service-(Continued)

Public Service Commission

C. Channel Interfaces

The following channel interfaces (CI's) define the bandwidths that are available for a Wideband Analog channel:

| <u>CI</u> . | Bandwidth |
|-------------|-----------------------------------|
| AH-B | 60 kHz to 108 kHz (Group) |
| AH-C | 312 kHz to 552 kHz (Supergroup) |
| AH-D | 564 kHz to 3084 kHz (Mastergroup) |
| WD-1 | 300 Hz to 18 kHz |
| WD-2 | 29 kHz to 44 kHz |
| WD-3 | 28 kHz to 44 kHz |

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Compatible channel interfaces are set forth in Technical References at the end of Paragraph 7.2.

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- D. Optional Features and Functions
 - 1. Central Office Multiplexing
 - a. Mastergroup to Supergroup

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BY 3 R.S 3 Public Service Commission

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An arrangement that converts a Mastergroup channel to ten Supergroup channels using frequency division multiplexing.

b. Supergroup to Group

An arrangement that converts a Supergroup channel to five Group channels using frequency division multiplexing.

c. Group to Voice

An arrangement that converts a Group channel to twelve Voice Grade channels using frequency division multiplexing. A channel(s) of this Group level service to the Hub can also be used for Program Audio service.

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(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.5 Wideband Analog Service-(Continued)
- C. Channel Interfaces

The following channel interfaces (CI's) define the bandwidths that are available for a Wideband Analog channel:

| <u>CI</u> | Bandwidth |
|-----------|-----------------------------------|
| AH-B | 60 kHz to 108 kHz (Group) |
| AH-C | 312 kHz to 552 kHz (Supergroup) |
| AH-D | 564 kHz to 3084 kHz (Mastergroup) |
| WD-1 | 300 Hz to 18 kHz |
| WD-2 | 29 kHz to 44 kHz |
| WD-3 | 28 kHz to 44 kHz |

Compatible channel interfaces are set forth in Paragraph 7.3.5, E., following.

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- D. Optional Features and Functions
 - 1. Central Office Multiplexing

a. Mastergroup to Supergroup

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Public Service Commission
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An arrangement that converts a Mastergroup channel to ten Supergroup channels using frequency division multiplexing.

b. Supergroup to Group

An arrangement that converts a Supergroup channel to five Group channels using frequency division multiplexing.

c. Group to Voice

An arrangement that converts a Group channel—to-twelve-Voice—Grade channels using frequency division multiplexing. A channel(s) of this Group level service to the Hub can also be used for Program Audio service.

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Effective:

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ACCESS SERVICES

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- 7. SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)

Missouri Public Service Commission

- B. Voice Grade Services-(Continued)
 - Voice Grade 5 (VG5) Special Access Service-(Continued)
 - d. Transmission Performance
 - C-Message Noise

The C-Message Noise shall be less than:

| | | | Limit (dF | 3rnCO)(1) |
|---------|----|-------------|-------------|-----------|
| Channel | M: | ileage (mi) | Type V1 | Type V2 |
| 0 | - | 50 | 32 | 38 |
| 51 | - | 100 | 33 · | 39 |
| 101 | - | 200 | 35 | 41 |
| 201 | - | 400 | 37 | 43 |
| 401 | - | 1000 | 39 | 45 |

- Echo Control

Echo Control, identified as Equal Level Echo Path Loss at four-wire interfaces or Return Loss at two-wire interfaces, for both Echo Return Loss and Singing Return Loss, at either the End User's premises or IC terminal location shall be not less than the following limits:

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(1) Where facility network provided. Where the Type Vi wpsrpumeters cannot be supported, Type V2 will be provided.

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ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)

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ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.5 Wideband Analog Service-(Continued)
- (AT) D. Optional Features, BSEs and Functions-(Continued)
- (AT) 1. Central Office Multiplexing BSE-(Continued)
 - d. Group to DS1

An arrangement that converts two Group channels to a DS1 channel using analog to digital conversion.

The following table shows the technical specifications packages (AT) with which the optional features, BSEs and functions are available.

Available with Technical Specifications Package WA-

<u>1</u> <u>2</u> <u>2A</u> <u>3</u> <u>4</u>

Central Office

Multiplexing:

- -Mastergroup to Supergroup
- -Supergroup to Group
- -Group to Voice
- -Group to DS1(1)

X

X

X

(1) Requires two channels with technical specifications package WA1 to form a WA1T service.

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Public Service Commission

(CP) ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
 - 7.2.5 Wideband Analog Service-(Continued)
 - D. Optional Features and Functions-(Continued)
 - Central Office Multiplexing-(Continued)
 - d. Group to DSI

An arrangement that converts two Group channels to a DS1 channel using analog to digital conversion.

X

The following table shows the technical specifications packages with which the optional features and functions are available.

> Available with Technical Specifications Package WA-

2 <u>2.A</u>

Central Office Multiplexing:

-Mastergroup to Supergroup

-Supergroup to Group

-Group to Voice

-Group to DS1(1)

X Х

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APR 11 1993 #32 BY 2 R.S. #32

Public Service Commission MISSOURI

(I) Requires two channels with technical specifications package W a WAlT service.

Issued:

JUN 27 1986

Effective:

JUL 1 1986

Access Services Tariff
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Original Sheet 32

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

DEC 20 1983

7.2 Technical Service Descriptions for Special Access Service-(Continued)

ILISBOUR! Public Service Commission

- 7.2.1 Analog Services-(Continued)
- B. Voice Grade Services-(Continued)
 - Voice Grade 5 (VG5) Special Access Service-(Continued)
 - d. Transmission Performance-(Continued)
 - Echo Control-(Continued)

Effective Two Wire Transmission

(Four-wire interface at the IC terminal location and two-wire interface at the End User's premises.)

| | Echo Return Loss | Singing Return Loss |
|--|---------------------|------------------------|
| Standard Two-Wire Interface | | • |
| (Return Loss) | 5 dB | 2.5 dB |
| Four-Wire Interface (Equal Level Echo Path Loss) | 16 dB | ' 11 dB |

Effective Four-Wire Transmission

(Two-wire interface at the End User's premises.)

| , | Echo <u>Return Loss</u> | Singing Return Loss |
|--|----------------------------|------------------------|
| Two-Wire Interface (Return Loss) Four-Wire Interface (Equal Level Echopping) | 24 dB | 18 dB 14 dB |
| (For Centrex application, 1 | 1986 | [Silge] |

2 db pad is "in")

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PUBLIC SERVICE COMMISSION

OF MISSOURI

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Issued: DEC 2 9 1983

Effective: JAN'0 1 1384

P.S.C. Mo. - No. 36 ACCESS SERVICES TARIFF

Southwestern Bell Telephone Company d/b/a AT&T Missouri Section 7

3rd Revised Sheet 33

Replacing 2nd Revised Sheet 33

2nd Revised Sheet 33

Replacing 1st Revised Sheet 33

(CP)ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

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Effective: November 20, 2014

Access Services Tariff
Section 7
1st Revised Sheet 33
Replacing Original Sheet 33

(CP)ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

7.2.6 Wideband Data Service

A. Basic Channel Description

A Wideband Data channel is an analog channel for the transmission of synchronous serial data at the rate of 19.2, 50.0 or 230.4 kbps or of asynchronous serial data at rates of up to 19.2, 50.0 or 230.4 kbps. Optional arrangements are available for transmission of synchronous serial data at 18.75 or 40.8 kbps. The actual bit rate is a function of the channel interface selected by the customer. This service requires a 303 Data Station(s). The 303 Data Station provides coupling between the customer's business machine and the wideband data transmission medium. A voiceband coordinating channel is also provided. Wideband data channels are provided between customer designated premises.

B. Technical Specifications Packages

| | Package WD | | |). | |
|--------------------|------------|----------|----------|----|--|
| | <u>1</u> | <u>2</u> | <u>3</u> | | |
| <u>Parameter</u> | | | | | |
| Error-Free Seconds | X | X | X | | |

While in service, the monthly average of error-free seconds will be equal to or greater than 98.75 percent.

C. Channel Interfaces

The following channel interfaces (CI's) define the bit rates that are available for a Wideband Data channel:

| <u>Cl</u> | <u>Bit Rate</u> |
|-----------|--------------------------------|
| WB-18S | 18.75 kbps, synchronous |
| WB-19A | up to 19.2 kbps, asynchronous |
| WB-19S | 19.2 kbps, synchronous |
| WB-23A | up to 230.4 kbps, asynchronous |
| WB-23S | 230.4 kbps, synchronous |
| WB-40S | 40.8 kbps, synchronous |
| WB-50A | up to 50.0 kbps, asynchronous |
| WB-50S | 50.0 kbps, synchronous |
| | |

Issued: June 27, 1986 Effective: July 1, 1986

Access Services Tariff Section 7 Original Sheet 33

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

- DEC 29 1203
- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)

Public Service Commission

- Voice Grade Services-(Continued)
 - Voice Grade 5 (VG5) Special Access Service-(Continued)
 - Transmission Performance-(Continued)
 - Improved Return Loss

The Return Loss (RL), expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), on two-wire ports of a four-wire point of interface shall be equal to or greater than:

| | dard | | Improved | RL |
|-----|------|----|----------|----|
| | 5 | | ERL 20 | |
| SRL | 2.5 | dΒ | SRL 13.5 | dΒ |

- Loss Variation

The long term loss variation from the nominal 1004 Hz EML shall not exceed +1.5 dB.

Attenuation Distortion

The attenuation distortion between 404 Hz and 2804 Hz shall be within -1.0 dB and +5.0 dB with reference to the loss at 1004 Hz (minus equals less loss, plus equals more loss).

- Signal-to-C Notch Noise

The Signal-to-C Notch noise ratio shall not be less than 26 dB.

- Impulse Noise

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The number of United to be seen of 67 dBrnCO in 15 minutes shall be less than 15. Public Sam

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ACCESS SERVICES

Section 7 4th Revised Sheet 34 Replacing 3rd Revised Sheet 34

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)

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Issued: September 1, 2021

Effective: October 1, 2021

Access Services Tariff
Section 7
3rd Revised Sheet 34
Replacing 2nd Revised Sheet 34

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Service Descriptions-(Continued)
 - 7.2.6 Wideband Data Service-(Continued)

Compatible channel interfaces are set forth in Technical References at the end of Paragraph 7.2.

- (AT) D. Optional Features, BSEs and Functions
 - 1. Key Activated Transfer Arrangement

Key Activated Transfer

Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of their access channel(s). The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working channel that terminates in either the same or a different customer premises. A key activated control service is required to operate the transfer arrangement. A spare line, if required, is not included as a part of the option.

The following table shows the technical specifications packages with (AT) which the optional features, BSEs and functions are available.

Available with Technical

Specifications Package WD
1 2 3

X X X X

Issued: March 26, 1993 Effective: April 11, 1993

CANCELLED October 1, 2021 Missouri Public Service Commission JI-2022-0045

Access Services Tariff
Section 7
2nd Revised Sheet 34
Replacing 1st Revised Sheet 34

ACCESS SERVICES

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J. SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

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7.2.6 Wideband Data Service-(Continued)

Public Service Commission

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Compatible channel interfaces are set forth in Technical References at the end of Paragraph 7.2.

- D. Optional Features and Functions
 - 1. Key Activated Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of their access channel(s). The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working channel that terminates in either the same or a different customer premises. A key activated control service is required to operate the transfer arrangement. A spare line, if required, is not included as a part of the option.

The following table shows the technical specifications packages with which the optional features and functions are available.

Available with Technical Specifications Package WD- $\frac{1}{2} \qquad \qquad \frac{2}{3}$ Key Activated Transfer Arrangement X X X

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Section 7
1st Revised Sheet 34
Replacing Original Sheet 34

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JUN 27 1986

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(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.6 Wideband Data Service-(Continued)

Compatible channel interfaces are set forth in Paragraph 7:3.5, F., following.

- D. Optional Features and Functions
 - 1. Key Activated Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of their access channel(s). The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working channel that terminates in either the same or a different customer premises. A key activated control service is required to operate the transfer arrangement. A spare line, if required, is not included as a part of the option.

The following table shows the technical specifications packages with which the optional features and functions are available.

Available with Technical Specifications Package WD-

<u>3</u>

Key Activated Transfer Arrangement

X

X

X

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Effective: JUL

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Access Services Tariff Section 7 Original Sheet 34

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

DEC 20 1283

- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)

1 Public Service Commission

- B. Voice Grade Services-(Continued)
 - Voice Grade 5 (VG5) Special Access Service-(Continued)
 - e. Available Facility Interface Combinations

VG5 is available only with specific facility interface combinations as set forth in Paragraph 7.2.1, B., 14, following.

- 6. Voice Grade 6 (VG6) Special Access Service
 - a. Description

Special Access Service VG6 provides a channel for voiceband data transmission capability. Usable frequencies are nominally 300 to 3000 Hz between an IC terminal location and an End User's premises. The transmission interface is fourwire at both the IC terminal location and the End User's premises. This service will support effective four-wire transmission.

b. Illustrative Applications

Special Access Service VG6 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as:

- Private Line Data Circuit
- Control/Remote Metering

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OF MISSOURI

DEC 2 9 1983 Issued:

Effective: JAN 0 1 1984

Section 7 9th Revised Sheet 35 Replacing 8th Revised Sheet 35

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
 - 7.2.7 MegaLink Data(1) Service

(CP)

A. Basic Channel Description

A MegaLink Data channel is a channel for duplex four-wire transmission of synchronous serial data at the rate of 4.8, 9.6, 19.2, 56.0 kbps or 64 kbps Clear Channel (CC)*. The actual bit rate is a function of the channel interface selected by the customer. The channel provides a synchronous service with timing provided by the Telephone Company through the Telephone Company's facilities to the customer in the received bit stream. MegaLink Data channels are provided between customer-designated premises for two-point service at all speeds or between a customer - designated premises and a Telephone Company digital hub for multipoint or multiplexed service at all speeds except 64 kbps (CC).

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It is the responsibility of the customer to provide the Channel Service Unit-type equipment or other Network Channel Terminating Equipment associated with the MegaLink Data Channel at the customer premises.

B. Technical Specifications Packages

| | <u>!</u> | ² ack | age L |)A- | |
|--------------------|----------|------------------|-------------------|----------|----------|
| Parameter | <u>1</u> | <u>2</u> | <u>3</u> <u>4</u> | <u>5</u> | <u>6</u> |
| Error-Free Seconds | X | Χ | ХХ | X | Х |

The Telephone Company will provide a channel capable of meeting a monthly average performance equal to or greater than 99.875 percent error-free seconds (if provided through a Digital Data Hub) while the channel is in service, if it is measured through a CSU equivalent which is designed, manufactured and maintained to conform with the specifications contained in the appropriate technical reference listed in Paragraph 7.2, preceding.

Voltages which are compatible with MegaLink Data Service are delineated in the appropriate technical reference listed in Paragraph 7.2, preceding.

*64 kbps Clear Channel (CC) is offered only where equipment and facilities are available.

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

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(AT)

Effective: June 30, 2021

P.S.C. Mo. - No. 36 ACCESS SERVICES TARIFF

Southwestern Bell Telephone Company d/b/a AT&T Missouri Section 7 8th Revised Sheet 35 Replacing 7th Revised Sheet 35

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

7.2.7 MegaLink Data Service

A. Basic Channel Description

A MegaLink Data channel is a channel for duplex four-wire transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6, 19.2, 56.0 kbps or 64 kbps Clear Channel (CC)*. The actual bit rate is a function of the channel interface selected by the customer. The channel provides a synchronous service with timing provided by the Telephone Company through the Telephone Company's facilities to the customer in the received bit stream. MegaLink Data channels are provided between customer-designated premises for two-point service at all speeds or between a customer - designated premises and a Telephone Company digital hub for multipoint or multiplexed service at all speeds except 64 kbps (CC).

It is the responsibility of the customer to provide the Channel Service Unit-type equipment or other Network Channel Terminating Equipment associated with the MegaLink Data Channel at the customer premises.

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B. Technical Specifications Packages

| Parameter | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> | <u>5</u> | <u>6</u> |
|--------------------|----------|----------|----------|----------|----------|----------|
| Error-Free Seconds | Х | Х | Χ | Χ | Х | Χ |

The Telephone Company will provide a channel capable of meeting a monthly average performance equal to or greater than 99.875 percent error-free seconds (if provided through a Digital Data Hub) while the channel is in service, if it is measured through a CSU equivalent which is designed, manufactured and maintained to conform with the specifications contained in the appropriate technical reference listed in Paragraph 7.2, preceding.

Voltages which are compatible with MegaLink Data Service are delineated in the appropriate technical reference listed in Paragraph 7.2, preceding.

*64 kbps Clear Channel (CC) is offered only where equipment and facilities are available.

Issued: March 20, 2009

CANCELLED June 30, 2021 Missouri Public Service Commission JI-2021-0210 By DAVID NICHOLS, President - Missouri St. Louis, Missouri Effective: April 19, 2009
Filed
Missouri Public
Service Commission
JI-2009-0676

Access Services Tariff
Section 7
7th Revised Sheet 35
Replacing 6th Revised Sheet 35

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Service Descriptions-(Continued)
 - 7.2.7 MegaLink Data Service
 - A. Basic Channel Description

A MegaLink Data channel is a channel for duplex four-wire transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6, 19.2, 56.0 kbps or 64 kbps Clear Channel (CC)*. The actual bit rate is a function of the channel interface selected by the customer. The channel provides a synchronous service with timing provided by the Telephone Company through the Telephone Company's facilities to the customer in the received bit stream. MegaLink Data channels are provided between customer-designated premises for two-point service at all speeds or between a customer - designated premises and a Telephone Company digital hub for multipoint or multiplexed service at all speeds except 64 kbps (CC).

It is the responsibility of the customer to provide the Channel Service Unit-type equipment or other Network Channel Terminating Equipment associated with the MegaLink Data Channel at the customer premises.

Doolsoon DA

(CT) This service is classified as competitive.

B. Technical Specifications Packages

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|--------------------|----------|----------|----------|----------|----------|----------|
| Parameter | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> | <u>5</u> | <u>6</u> |
| Error-Free Seconds | X | X | X | X | X | X |

The Telephone Company will provide a channel capable of meeting a monthly average performance equal to or greater than 99.875 percent error-free seconds (if provided through a Digital Data Hub) while the channel is in service, if it is measured through a CSU equivalent which is designed, manufactured and maintained to conform with the specifications contained in the appropriate technical reference listed in Paragraph 7.2, preceding.

Voltages which are compatible with MegaLink Data Service are delineated in the appropriate technical reference listed in Paragraph 7.2, preceding.

*64 kbps Clear Channel (CC) is offered only where equipment and facilities are available.

Issued: February 20, 2002 Effective: March 29, 2002

By JAN NEWTON, President-Missouri Southwestern Bell Telephone, L.P., d/b/a Southwestern Bell Telephone Company St. Louis, Missouri

Cancelled
April 19, 2009
Missouri Public
Service Commission
JI-2009-0676

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Replacing 5th Revised Sheet 35

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

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MO. PUBLIC SERVICE COMM.

7.2.7 MegaLink Data Service

A. Basic Channel Description Public Service Commission

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A MegaLink Data channel is a channel for duplex four-wire transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6, 19.2, 56.0 kbps or 64 kbps Clear Channel (CC)*. The actual bit rate is a function of the channel interface selected by the customer. The channel provides a synchronous service with timing provided by the Telephone Company through the Telephone Company's facilities to the customer in the received bit stream. MegaLink Data channels are provided between customer-designated premises for two-point service at all speeds or between a customer-designated premises and a Telephone Company digital hub for multipoint or multiplexed service at all speeds except 64 kbps (CC).

It is the responsibility of the customer to provide the Channel Service Unit-type equipment or other Network Channel Terminating Equipment associated with the MegaLink Data Channel at the customer premises.

This service was classified as transitionally competitive efective January 10, 1993.

B. Technical Specifications Packages

Package DA-

(AT) Parameter

<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u>

(AT) Error-Free Seconds

x x x x x x

The Telephone Company will provide a channel capable of meeting a monthly average performance equal to or greater than 99.875 percent error-free seconds (if provided through a Digital Data Hub) while the channel is in service, if it is measured through a CSU equivalent which is designed, manufactured and maintained to conform with the specifications contained in the appropriate technical reference listed in Paragraph 7.2, preceding.

Voltages which are compatible with MegaLink Data Service are delineated in the appropriate technical reference listed in Paragraph 7.2, preceding.

(AT) *64 kbps Clear Channel (CC) is offered only where equipment and facilities are (AT) available.

Issued: JAN 0 9 1995

Effective:

EB 0 9 1915

By HORACE WILKINS, JR., President-Missouri Southwestern Bell Telephone St. Louis, Missouri

FEB - 9 1995

MISSOURI Public Service Commission

Access Services Tariff
Section 7
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Replacing 4th Revised Sheet 35

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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SEP 29 1992

- 7.2 Service Descriptions-(Continued)
 - 7.2.7 MegaLink Data Service

MISSOURI Public Service Commission

A. Basic Channel Description

A MegaLink Data channel is a channel for duplex four-wire transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6 or 56.0 kbps. The actual bit rate is a function of the channel interface selected by the customer. The channel provides a synchronous service with timing provided by the Telephone Company through the Telephone Company's facilities to the customer in the received bit stream. MegaLink Data channels are provided between customer-designated premises for two-point service or between a customer-designated premises and a Telephone Company digital hub for multipoint or multiplexed service.

It is the responsibility of the customer to provide the Channel Service Unit-type equipment or other Network Channel Terminating Equipment associated with the MegaLink Data Channel at the customer premises.

This service was classified as transitionally competitive efective CANCELLED

B. Technical Specifications Packages

Parameter

Parameter

1 2 3 Public Service Commission MISSOUR!

The Telephone Company will provide a channel capable of meeting a monthly average performance equal to or greater than 99.875 percent error-free seconds (if provided through a Digital Data Hub) while the channel is in service, if it is measured through a CSU equivalent which is designed, manufactured and maintained to conform with the specifications contained in the appropriate technical reference listed in Paragraph 7.2, preceding.

Voltages which are compatible with MegaLink Data Service are delineated in the appropriate technical reference listed in Paragraph 7.2, preceding.

Issued: **OCT 01** 1992

Effective: JAN 1 0 1993

FILED

By A. D. ROBERTSON, Assistant Vice President-External Affairs

Southwestern Bell Telephone Company
St. Louis, Missouri

JAN 10 1993

Access Services Tariff Section 7 4th Revised Sheet 35 Replacing 3rd Revised Sheet 35

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

AUG 9 1991

7.2 Service Descriptions-(Continued)

MISSOURI Public Service Commission

7.2.7 MegaLink Data Service

A. Basic Channel Description

A MegaLink Data channel is a channel for duplex four-wire transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6 or 56.0 kbps. The actual bit rate is a function of the channel interface selected by the customer. The channel provides a synchronous service with timing provided by the Telephone Company through the Telephone Company's facilities to the customer in the received bit stream. MegaLink Data channels are provided between customer-designated premises for two-point service or between a customer-designated premises and a Telephone Company digital hub

for multipoint or multiplexed service.

It is the responsibility of the customer to provide the Channel Service Unit-type equipment or other Network Channel Terminating Equipment associated with the MegaLink Data Channel at the customer premises. JAN 101993 12 P. S. # 3.5

(RT) (RT)

B. Technical Specifications Packages

Package DA-Parameter 1 Error-Free Seconds X

The Telephone Company will provide a channel capable of meeting a monthly average performance equal to or greater than 99.875 percent error-free seconds (if provided through a Digital Data Hub) while the channel is in service, if it is measured through a CSU equivalent which is designed, manufactured and maintained to conform with the specifications contained in the appropriate technical reference listed in Paragraph 7.2, preceding.

(CT) (CT)

(CT)

Voltages which are compatible with MegaLink Data Service are delineated in the appropriate technical reference listed in Paragraph 7.2, preceding.

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Effective: SEP 3 0 1991

Access Services Tariff Section 7 3rd Revised Sheet 35 Replacing 2nd Revised Sheet 35

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

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(CT) 7.2.7 MegaLink Data Service VIESCUIT!

Public Service Commission

A. Basic Channel Description

(CT) A MegaLink Data channel is a channel for duplex four-wire transmission

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(CT)

of synchronous serial data at the rate of 2.4, 4.8, 9.6 or 56.0 kbps. The actual bit rate is a function of the channel interface selected by the customer. The channel provides a synchronous service with timing provided by the Telephone Company through the Telephone Company's facilities to the customer in the received bit stream. MegaLink Data channels are provided between customer designated premises for two point service or between a customer designated premises and a Telephone Company digital hub

for multipoint or multiplexed service.

It is the responsibility of the customer to provide the Channel Service Unit-type equipment or other Network Channel Terminating Equipment associated with the MegaLink Data Channel at the customer premises. interim program for interconnection of such equipment is set forth in ED

Technical Reference PUB AS No. 1.

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B. Technical Specifications Packages

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Error-Free Seconds X Х

The Telephone Company will provide a channel capable of meeting a monthly average performance equal to or greater than 99.875 percent error-free seconds (if provided through a Digital Data Hub) while the channel is in service, if it is measured through a CSU equivalent which is designed, manufactured and maintained to conform with the specifications contained in Technical Reference PUB 62310.

(T)Voltages which are compatible with MegaLink Data Service are delineated in Technical Reference PUB 62507.

SEP 2 5 1989 Issu**ed:**

Effective:

907 1; 1989₀₀

By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company Public Service Commission St. Louis, Missouri

Access Services Tariff Section 7 2nd Revised Sheet 35 Replacing 1st Revised Sheet 35

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

JUN 22 1988

7.2 Service Descriptions-(Continued)

7.2.7 Digital Data Service

MISSOURI **Public Service Commission**

A. Basic Channel Description

A Digital Data channel is a channel for duplex four-wire transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6 or 56.0 kbps. The actual bit rate is a function of the channel interface selected by the customer. The channel provides a synchronous service with timing provided by the Telephone Company through the Telephone Company's facilities to the customer in the received bit stream. Digital Data channels are only available via Telephone Company designated Hubs and are provided between customer-designated premises or between a customer-designated premises and a Telephone Company Hub.

(CP) It is the responsibility of the customer to provide the Channel Service Unit-type equipment or other Network Channel Terminating Equipment associated with the Digital Data Channel at the customer premises. The interim program for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

Technical Specifications Packages ELLED

| | 1 1989 | Pack | Package DA- | |
|--------------------|----------------------------|------------|-------------|---|
| | 06 2 6 #35 | | | |
| Parameter | BONG STATISTION STATISTION | ۱ <u>2</u> | <u>3</u> | 4 |
| Error-Free Seconds | MISSOURI X | X | X | X |

The Telephone Company will provide a channel capable of meeting a monthly average performance equal to or greater than 99.875 percent error-free seconds (if provided through a Digital Data Hub) while the channel is in service, if it is measured through a CSU equivalent which is designed, manufactured and maintained to conform with the specifications contained in Technical Reference PUB 62310.

Voltages which are compatible with Digital Data Service are delineated in Technical Reference PUB 62507.

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Effective:

JUL 8 1988

FILED

By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

JUL 8 1988 88-287

Public Service Commission

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Replacing Original Sheet 35

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JUN 27 1986

MISSUUKI Public Service Commission

(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.7 Digital Data Service
- A. Basic Channel Description

A Digital Data channel is a channel for duplex four-wire transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6 or 56.0 kbps. The actual bit rate is a function of the channel interface selected by the customer. The channel provides a synchronous service with timing provided by the Telephone Company through the Telephone Company's facilities to the customer in the received bit stream. Digital Data channels are only available via Telephone Company designated Hubs and are provided between customer-designated premises or between a customer-designated premises and a Telephone Company Hub.

The customer may provide the Channel Service Unit-type equipment or other Network Channel Terminating Equipment associated with the Digital Data channel at the customer premises. The interim program for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

B. Technical Specifications Packages

| | | | | Package DA- | | |
|--------------------|--|--|---|-------------|----------|---|
| Parameter | | | 1 | 2 | <u>3</u> | 4 |
| Error-Free Seconds | | | X | X | Х | X |

The Telephone Company will provide a channel capable of meeting a monthly average performance equal to or greater than 99.875 percent error-free seconds (if provided through a Digital Data Hub) while the channel is in service, if it is measured through a CSU equivalent which is designed, manufactured and maintained to conform with the specifications contained in Technical Reference PUB 62310.

Voltages which are compatible with Digital Data Service are delineated in Technical Reference PUB 62507.

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JUL 8 1988

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BY Service Commission

Public Service Commission

Effective: JUL

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Issued:

JUN 27 1986

By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

Access Services Tariff Section 7 Original Sheet 35

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

DEC 29 1883

- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)

Public Service Commission

- B. Voice Grade Services-(Continued)
 - 6. Voice Grade 6 (VG6) Special Access Service-(Continued)
 - Optional Features
 - C-Conditioning
 - DA-Conditioning.
 - Central office bridging capability.
 - Improved return loss at four-wire point of interface, applicable to each two-wire leg of effective four-wire channel.
 - Central Office Multiplexing
 - Transmission Performance
 - C-Message Noise

The C-Message Noise shall be less than:

| | Limit (d | BrnCO)(1) |
|----------------------|----------|-----------|
| Channel Mileage (mi) | Type Vl | Type V2 |
| 0 - 50 | 32 | 38 |
| 51 - 100 | 33 | 39 |
| 101 - 200 | 35 | 41 |
| 201 - 400 | 37 | 43 |
| 401 - 1000 | 39 | 45 |

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(1) Where facility network conditions will support the parameters, Type VI will be provided. Where the Type V1 parameters cannot be supported, Type V2 will be provided.

Issued: DEC 2 9 1983

Effective: JAN 0 1 1984

P.S.C. Mo. - No. 36 **ACCESS SERVICES TARIFF**

Section 7 7th Revised Sheet 36 Replacing 6th Revised Sheet 36

Company d/b/a AT&T Missouri

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
 - 7.2.7 MegaLink Data(1) Service-(Continued)

(CP)

C. Channel Interfaces

The following channel interfaces (Cl's) define the bit rates that are available for a Digital Data channel:

| <u>CI</u> | Bit Rate | |
|-----------|-----------------|------|
| | | (RT) |
| DU-48 | 4.8 kbps | () |
| DU-96 | 9.6 kbps | |
| DU-19 | 19.2 kbps | |
| DU-56 | 56.0 kbps | |
| DU-64 | 64.0 kbps (CC)* | |
| | | |

Compatible channel interfaces are set forth in Technical References at the end of Paragraph 7.2.

D. Service to Service Through Connect Arrangement

This provides the interconnection of two subtending digital data channels derived from DS1 multiplexed services. The through connect will be provisioned in lieu of a typical MegaLink Data channel termination. The through connect will be provisioned for all MegaLink Data speeds; 4.8, 9.6, 19.2, 56 kbps and 64 kbps (CC). The ordering customer must provide channel assignments for both. Channel mileage is required if the multiplexed services are terminated in two separate digital Hubs.

- E. Optional Features, BSEs and Functions
 - I. Central Office Bridging BSE Capability
 - 2. Transfer Arrangement

An arrangement that affords the customer an additional measure of protection and/or flexibility in the use of their access channel(s) on a lxN basis. The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working channel that terminates in either the same or a different customer premises. This arrangement is only available at a Telephone Company-designated Hub. A Key Activated or Dial-Up Control Service is required to operate the transfer arrangement. A spare line, if required, is not included as a part of the option.

*MegaLink Data Service 64 kbps channel interface is offered only with Clear Channel.

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(AT)

(AT)

Effective: June 30, 2021

Access Services Tariff
Section 7
6th Revised Sheet 36
Replacing 5th Revised Sheet 36

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.7 MegaLink Data Service-(Continued)
 - C. Channel Interfaces

The following channel interfaces (CI's) define the bit rates that are available for a Digital Data channel:

| | <u>CI</u> | Bit Rate |
|------|-----------|-----------------|
| | DU-24 | 2.4 kbps |
| | DU-48 | 4.8 kbps |
| | DU-96 | 9.6 kbps |
| (AT) | DU-19 | 19.2 kbps |
| | DU-56 | 56.0 kbps |
| (AT) | DU-64 | 64.0 kbps (CC)* |
| | | |

Compatible channel interfaces are set forth in Technical References at the end of Paragraph 7.2.

D. Service to Service Through Connect Arrangement

This provides the interconnection of two subtending digital data channels derived from DS1 multiplexed services. The through connect will be provisioned in lieu of a typical MegaLink Data channel termination. The through connect will be provisioned for all MegaLink Data speeds; 2.4, 4.8, 9.6, 19.2, 56 kbps and 64 kbps (CC). The ordering customer must provide channel assignments for both. Channel mileage is required if the multiplexed services are terminated in two separate digital Hubs.

- E. Optional Features, BSEs and Functions
 - 1. Central Office Bridging BSE Capability
 - 2. Transfer Arrangement

An arrangement that affords the customer an additional measure of protection and/or flexibility in the use of their access channel(s) on a lxN basis. The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working channel that terminates in either the same or a different customer premises. This arrangement is only available at a Telephone Company-designated Hub. A Key Activated or Dial-Up Control Service is required to operate the transfer arrangement. A spare line, if required, is not included as a part of the option.

(AT) *MegaLink Data Service 64 kbps channel interface is offered only with Clear Channel.

Issued: January 9, 1995

Effective: February 9, 1995

CANCELLED June 30, 2021 Missouri Public Service Commission JI-2021-0210

(AT)

By HORACE WILKINS, JR., President-Missouri Southwestern Bell Telephone St. Louis, Missouri

Access Services Tariff Section 7 5th Revised Sheet 36 Replacing 4th Revised Sheet 36

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

MAR 29 1993

7.2.7 MegaLink Data Service-(Continued)

MISSOURI

C. Channel Interfaces

Public Service Commission

The following channel interfaces (CI's) define the bit rates that are available for a Digital Data channel:

| CI | Bit Rate |
|-------|-----------|
| DU-24 | 2.4 kbps |
| DU-48 | 4.8 kbps |
| DU-96 | 9.6 kbps |
| DU-56 | 56.0 kbps |

Compatible channel interfaces are set forth in Technical References at the end of Paragraph 7.2.

Service to Service Through Connect Arrangement

This provides the interconnection of two subtending digital data channels derived from DS1 multiplexed services. The through connect will be provisioned in lieu of a typical MegaLink Data channel termination. The through connect will be provisioned for all MegaLink Data speeds; 2.4, 4.8, 9.6 and 56 kbps. The ordering customer must provide channel assignments for both. Channel mileage is required if the multiplexed services are terminated in two separate digital Hubs. CANCELLED

(AT) Optional Features, BSEs and Functions

Central Office Bridging BSE Capability (AT)

FEB 9-1995

Transfer Arrangement

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An arrangement that affords the customer an additional measure of on a lxN basis. The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working channel that terminates in either the same or a different customer premises. This arrangement is only available at a Telephone Company-designated Hub. A Key Activated or Dial-Up Control Service is required to operate the transfer arrangement. A spare line, if required, is not included as a part of the option.

Issued: -

MAR 2 6 1993

Effective:

APR 1 FINED

By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

APR 11 1993 92 - 304

Access Services Tariff Section 7 4th Revised Sheet 36 Replacing 3rd Revised Sheet 36

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

FEB 2 0 1990

7.2 Service Descriptions-(Continued)

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Public Service Commission

7.2.7 MegaLink Data Service-(Continued)

C. Channel Interfaces

The following channel interfaces (CI's) define the bit rates that are available for a Digital Data channel:

| <u>CI</u> | Bit Rate |
|-----------|-----------|
| DU-24 | 2.4 kbps |
| DU-48 | 4.8 kbps |
| DU-96 | 9.6 kbps |
| DU-56 | 56.0 kbps |

Compatible channel interfaces are set forth in Technical References at the end of Paragraph 7.2.

D. Service to Service Through Connect Arrangement

This provides the interconnection of two subtending digital data channels derived from DS1 multiplexed services. The through connect will be provisioned in lieu of a typical MegaLink Data channel termination. The through connect will be provisioned for all MegaLink Data speeds; 2.4, 4.8, 9.6 and 56 kbps. The ordering customer must provide channel assignments for both. Channel mileage is required if the multiplexed services are terminated in two separate digital Hubs.

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(FC)

Optional Features and Functions

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BY 5 74 R. S. 36

- 1. Central Office Bridging Capability
- 2. Transfer Arrangement

An arrangement that affords the customer an additional measure possibility in the use of their access channelles on a lxN basis. The arrangement of a Special Access Service to either a spare or working channel that terminates in either the same or a different customer premises. This arrangement is only available at a Telephone Company-designated Hub. A Key Activated or Dial-Up Control Service is required to operate the transfer arrangement. A spare line, if required, is not included as a part of the option.

Issued: FEB 2 2 1990

Bffective: MAR 2 6 1990

FILED

By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

MAR 26 1990

Access Services Tariff Section 7 3rd Revised Sheet 36 Replacing 2nd Revised Sheet 36

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

SEP 25 1989

(CT) 7.2.7 MegaLink Data Service-(Continued) MIESSELT!

Public Service Commission

C. Channel Interfaces

The following channel interfaces (CI's) define the bit rates that are available for a Digital Data channel:

| <u>CI</u> | <u>Bit Rate</u> |
|-----------|-----------------|
| DU-24 | 2.4 kbps |
| DU-48 | 4.8 kbps |
| DU-96 | 9.6 kbps |
| DU-56 | 56.0 kbps |

(CT) Compatible channel interfaces are set forth in Technical References at the end of Paragraph 7.2.

- D. Optional Features and Functions
 - 1. Central Office Bridging Capability
 - 2. Transfer Arrangement

An arrangement that affords the customer an additional measure of protection and/or flexibility in the use of their access channel(s) on a lxN basis. The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working channel that terminates in either the same or a different customer premises. This arrangement is only available at a Telephone Company-designated Hub. A Key Activated or Dial-Up Control Service is required to operate the transfer arrangement. A spare line, if required, is not included as a part of the option.

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Issued: SEP 2 5 1989

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

SEP 17 1987

7.2.7 Digital Data Service-(Continued)

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Public Service Commission

C. Channel Interfaces

The following channel interfaces (CI's) define the bit rates that are available for a Digital Data channel:

| CI | <u>Bit Rate</u> | 1089 |
|-------|-----------------|-------------------------------|
| DU-24 | 2.4 kbps | OCT 1 1989 By 328 8 S. #36 |
| DU-48 | 4.8 kbps | BY Series in significant |
| DU-96 | 9.6 kbps | Public Service Ceramission |
| DU-56 | 56.0 kbps | MISSOURI |

Compatible channel interfaces are set forth in Paragraph 7.3.5, G., following.

- D. Optional Features and Functions
 - 1. Central Office Bridging Capability
 - 2. Transfer Arrangement

An arrangement that affords the customer an additional measure of protection and/or flexibility in the use of their access channel(s) on a lxN basis. The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working channel that terminates in either the same or a different customer premises. This arrangement is only available at a Telephone Company-designated Hub. A Key Activated or Dial-Up Control Service is required to operate the transfer arrangement. A spare line, if required, is not included as a part of the option.

(MT)

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Effective: OCT 19 1987

FILED

By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

OCT 19 1987

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Public Service Commission

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
 - 7.2.7 Digital Data Service-(Continued)
 - C. Channel Interfaces

The following channel interfaces (CI's) define the bit rates that are available for a Digital Data channel:

| <u>CI</u> | Bit Rate |
|-----------|-----------|
| DU-24 | 2.4 kbps |
| DU-48 | 4.8 kbps |
| DU-96 | 9.6 kbps |
| DU-56 | 56.0 kbps |

Compatible channel interfaces are set forth in Paragraph 3.5, G., following.

D. Optional Features and Functions

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1. Central Office Bridging Capability

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2. Transfer Arrangement

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An arrangement that affords the customer an additional measure of protection and/or flexibility in the use of their access channel(s) on a lxN basis. The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working channel that terminates in either the same or a different customer premises. This arrangement is only available at a Telephone Company-designated Hub. A Key Activated or Dial-Up Control Service is required to operate the transfer arrangement. A spare line, if required, is not included as a part of the option.

The following table shows the technical specifications packages with which the optional features and functions are available.

Available with Technical Specifications Package DA-

Issued: JUN 27 1986

Effective:

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Access Services Tariff Section 7 Original Sheet 36

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

DEC 29 1203

- 7.2 Technical Service Descriptions for Special Access Service (Continued) **Public Service Commission**
 - 7.2.1 Analog Services-(Continued)
 - Voice Grade Services-(Continued)
 - 6. Voice Grade 6 (VG6) Special Access Service-(Continued)
 - Transmission Performance-(Continued)
 - Improved Return Loss

The Return Loss (RL), expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), on two-wire ports of a four-wire point of interface shall be equal to or greater than:

| Stan | dard | RL | Imp | Improved | |
|------|------|----|-----|----------|----|
| ERL | 5 | dB | ERL | 20 | dB |
| SRL | 2.5 | dΒ | SRL | 13.5 | dΒ |

- Loss Variation

The long term loss variation from the nominal 1004 Hz EML shall not exceed +1.5 dB.

- Attenuation Distortions

The attenuation distortion between 404 Hz and 2804 Hz shall be within -1.0 dB and +4.0 dB with reference to the loss at 1004 Hz (minus equals less loss, plus equals more loss). The attenuation distortion between 504 Hz and 2504 Hz shall be within -1.0 dB and +3.0 dB with reference to the loss at 1004 Hz. The attenuation distortion between 304 Hz and 3004 Hz shall be within -1.0 dB and +5.0 dB.

- Signal-to-C Notch Noise

.The Signal-to-C Notch noise ratio shall not be less than 30 dB.

- Envelope Delay Distortion

The Envelope Delay Distortion (EDD) shall not exceed 150 700 microseconds between 800 and 2600 Hz.

PUBLIC SERVICE COMMISSION - Impulse Noise

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The number of impulse noise counts exceeding a thresholding and solding and so of 67 dBrnCO in 15 minutes shall be less than 15.

DEC 2 9 1983 Issued:

JAN 0 1 1984 Effective:

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.7 MegaLink Data(1) Service-(Continued)

(CP)

- E. Optional Features, BSEs and Functions (Continued)
 - 3. Secondary Channel Capability BSE

Secondary Channel capability provides for an additional low-speed digital transmission channel within the existing 4.8, 9.6, 19.2 and 56.0 kbps primary channels. It is available as a point-to-point or a multipoint service utilizing a nonrepeated channel termination. The Secondary Channel can be used as a communications channel for the controlling and monitoring of a customer's network.

The following table shows the technical specifications packages with which the optional features, BSEs and functions are available.

| | Available with Technical Specifications Package DA- | | | | | |
|--|--|----------|----------|----------|----------|----------|
| | <u>I</u> | <u>2</u> | <u>3</u> | <u>4</u> | <u>5</u> | <u>6</u> |
| Central Office Bridging Capability Transfer Arrangement Secondary Channel | | | | X X | X X | Х |
| Capability | X | Χ | Χ | Χ | Χ | |

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

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ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.7 MegaLink Data Service-(Continued)
- E. Optional Features, BSEs and Functions (Continued)
 - 3. Secondary Channel Capability BSE
- Secondary Channel capability provides for an additional low-speed digital transmission channel within the existing 2.4, 4.8, 9.6, 19.2 and 56.0 kbps primary channels. It is available as a point-to-point or a multipoint service utilizing a nonrepeated channel termination. The Secondary Channel can be used as a communications channel for the controlling and monitoring of a customer's network.

Available with Technical

The following table shows the technical specifications packages with which the optional features, BSEs and functions are available.

| | | Specifications Package DA- | | | | | |
|------|--|----------------------------|----------|--------------|----------|----------|---|
| (AT) | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> | <u>5</u> | <u>6</u> | |
| | Central Office Bridging | | | | | | |
| | Capability | X | X | \mathbf{X} | X | X | |
| | Transfer Arrangement Secondary Channel | X | X | X | X | X | X |
| (AT) | Capability | X | X | X | X | X | |

Issued: January 9, 1995 Effective: February 9, 1995

(AT)

Access Services Tariff
Section 7
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Replacing 2nd Revised Sheet 36.01

ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)

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7.2.7 MegaLink Data Service-(Continued)

MAR 29 1993

(AT) E. Optional Features, BSEs and Functions (Continued)

MISSOURI Public Service Commission

(AT) 3. Secondary Channel Capability BSE

Secondary Channel capability provides for an additional low-speed digital transmission channel within the existing 2.4, 4.8, 9.6, and 56.0 kbps primary channels. It is available as a point-to-point or a multipoint service utilizing a nonrepeated channel termination. The Secondary Channel can be used as a communications channel for the controlling and monitoring of a customer's network.

The following table shows the technical specifications packages with which the optional features, BSEs and functions are available.

| | Available with Technical Specifications Package DA | | | |
|---|---|----------|----------|--------|
| | <u>1</u> | <u>2</u> | <u>3</u> | 4 |
| Central Office Bridging Capability Transfer Arrangement Secondary Channel | X X | X X | X X | X X |
| Capability | X | Х | X | Х |

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FEB 9-1995

BY 4TH R.S. # 36.01

Public Service Commission

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Effective:

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Access Services Tariff
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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

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7.2.7 MegaLink Data Service-(Continued)

MISSOURI

Public Service Commission

B. Optional Features and Functions (Continued)

3. Secondary Channel Capability

Secondary Channel capability provides for an additional low-speed digits transmission channel within the existing 2.4, 4.8, 9.6, and 56.0 kbps primary channels. It is available as a point-to-point or a multipoint service utilizing a nonrepeated channel termination. The Secondary Channel can be used as a communications channel for the controlling and monitoring of a customer's network.

The following table shows the technical specifications packages with which the optional features and functions are available.

| | Available with Technical | | | |
|--|--------------------------|---|-------------|---|
| | Specifications | | Package DA- | |
| | 1 | 2 | 3 | 4 |
| Central Office Bridging | | | | |
| Capability | X | X | X | X |
| Transfer Arrangement Secondary Channel | X | X | X | X |
| Capability | X | X | X | X |

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Public Service Commission

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Effective: MAR 2 6 1990

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Access Services Tariff
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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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- 7.2 Service Descriptions-(Continued)
- 7.2.7 MegaLink Data Service-(Continued)

MISSOURI
Public Service Commission

- D. Optional Features and Functions (Continued)
 - 3. Secondary Channel Capability

Secondary Channel capability provides for an additional low-speed digital transmission channel within the existing 2.4, 4.8, 9.6, and 56.0 kbps primary channels. It is available as a point-to-point or a multipoint service utilizing a nonrepeated channel termination. The Secondary Channel can be used as a communications channel for the controlling and monitoring of a customer's network.

The following table shows the technical specifications packages with which the optional features and functions are available.

| | Available with Specifications | | | |
|-------------------------|----------------------------------|---|---|---|
| | 1 | 2 | 3 | 4 |
| Central Office Bridging | | | | |
| Capability | X | X | X | X |
| Transfer Arrangement | X | X | X | X |
| Secondary Channel | | | | |
| Capability | X | X | X | X |

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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- 7.2 Service Descriptions-(Continued)
 - 7.2.7 Digital Data Service-(Continued)

MISSOURI **Public Service Commission**

- Optional Features and Functions (Continued)
- (NR) Secondary Channel Capability

Secondary Channel capability provides for an additional low-speed digital transmission channel within the existing 2.4, 4.8, 9.6, and 56.0 kbps primary channels. It is available as a point-to-point or a multipoint service utilizing a nonrepeated channel termination. The Secondary Channel can be used as a communications channel for the controlling and monitoring of a customer's network.

(MT) The following table shows the technical specifications packages with which the optional features and functions are available.

| | Availa | Technical | | |
|---|----------------|-----------|-------------|---|
| | Specifications | | Package DA- | |
| | <u>1</u> | <u>2</u> | 3 | 4 |
| Central Office Bridging | | | | |
| Capability | X | X | X | X |
| Transfer Arrangement Secondary Channel | Х | Х | X | X |
| Capability | X | X | X | X |

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Issued:

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SEP 18 1987

Effective:

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OCT 19 1987

By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

Public Service Commission

ACCESS SERVICES

SPECIAL ACCESS SERVICE

7.2 Service Descriptions (cont'd)

7.2.8 High Capacity Service

Α. **Basic Channel Description**

> A High Capacity channel is a channel for the transmission of nominal 64.0 Kbps(1)(2) or 1.544 or 44.736 Mbps isochronous serial data. The actual bit rate and framing format is a function of the channel interface selected by the customer. High Capacity channels are provided (a) between customer designated premises, (b) between a customer designated premises and a Telephone Company Hub, (c) Hub to Hub for Network Reconfiguration Service at 1.544 Mbps transmission or (d) between a Network Reconfiguration Service Hub and a Telephone Company Hub at 1.544 Mbps transmission.

It is the responsibility of the customer to provide the Network Channel Terminating Equipment associated with the High Capacity channel at the customer's premises. The interim program, for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

B. **Technical Specifications Packages**

Issued: May 28, 2021

| _ | | Package HC | :- | |
|--------------------|----------|------------|----------|--|
| <u>Parameters</u> | <u>0</u> | <u>1</u> | <u>3</u> | |
| Error-Free Seconds | | Χ | | |

A channel with technical specifications package HC1 will be capable of an error-free second performance of 98.75 percent over a continuous 24-hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designed, manufactured and maintained to conform with the specifications contained in Technical References set forth at the end of Paragraph 7.2.

(1) Available only as a channel of a 1.544 Mbps facility between two Telephone Company designated Hubs. The customer must provide system and channel assignment data.

Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

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P.S.C. Mo. - No. 36 ACCESS SERVICES TARIFF

Southwestern Bell Telephone Company d/b/a AT&T Missouri Section 7 12th Revised Sheet 37 Replacing 11th Revised Sheet 37

ACCESS SERVICES

- SPECIAL ACCESS SERVICE
 - 7.2 Service Descriptions (cont'd)
 - 7.2.8 High Capacity Service
 - A. Basic Channel Description

A High Capacity channel is a channel for the transmission of nominal 64.0 Kbps(1) or 1.544 or 44.736 Mbps isochronous serial data. The actual bit rate and framing format is a function of the channel interface selected by the customer. High Capacity channels are provided (a) between customer designated premises, (b) between a customer designated premises and a Telephone Company Hub, (c) Hub to Hub for Network Reconfiguration Service at 1.544 Mbps transmission or (d) between a Network Reconfiguration Service Hub and a Telephone Company Hub at 1.544 Mbps transmission.

It is the responsibility of the customer to provide the Network Channel Terminating Equipment associated with the High Capacity channel at the customer's premises. The interim program, for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

(RT)

B. Technical Specifications Packages

| _ | | Package HC | ;_ | |
|--------------------|----------|------------|----------|--|
| <u>Parameters</u> | <u>0</u> | <u>1</u> | <u>3</u> | |
| Error-Free Seconds | | X | | |

A channel with technical specifications package HC1 will be capable of an error-free second performance of 98.75 percent over a continuous 24-hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designed, manufactured and maintained to conform with the specifications contained in Technical References set forth at the end of Paragraph 7.2.

(1) Available only as a channel of a 1.544 Mbps facility between two Telephone Company designated Hubs. The customer must provide system and channel assignment data.

Issued: March 20, 2009

Access Services Tariff
Section 7
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Replacing 10th Revised Sheet 37

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE

- 7.2 Service Descriptions (cont'd)
 - 7.2.8 High Capacity Service
 - A. Basic Channel Description

A High Capacity channel is a channel for the transmission of nominal 64.0 Kbps(1) or 1.544 or 44.736 Mbps isochronous serial data. The actual bit rate and framing format is a function of the channel interface selected by the customer. High Capacity channels are provided (a) between customer designated premises, (b) between a customer designated premises and a Telephone Company Hub, (c) Hub to Hub for Network Reconfiguration Service at 1.544 Mbps transmission or (d) between a Network Reconfiguration Service Hub and a Telephone Company Hub at 1.544 Mbps transmission.

(RT)(FC)

It is the responsibility of the customer to provide the Network Channel Terminating Equipment associated with the High Capacity channel at the customer's premises. The interim program, for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

High Capacity Service is classified as competitive.

B. Technical Specifications Packages

| | | Package HC | ;- | |
|--------------------|---|------------|----------|---|
| <u>Parameters</u> | 0 | <u>1</u> | <u>3</u> | _ |
| Error-Free Seconds | | X | | |

A channel with technical specifications package HC1 will be capable of an error-free second performance of 98.75 percent over a continuous 24-hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designed, manufactured and maintained to conform with the specifications contained in Technical References set forth at the end of Paragraph 7.2.

(1) Available only as a channel of a 1.544 Mbps facility between two Telephone Company designated Hubs. The customer must provide system and channel assignment data.

Issued: January 3, 2003 Effective: February 2, 2003

By CINDY BRINKLEY, President-Missouri Southwestern Bell Telephone, L.P., d/b/a SBC Missouri St. Louis, Missouri

Cancelled April 19, 2009 Missouri Public Service Commission JI-2009-0676

Access Services Tariff
Section 7
10th Revised Sheet 37
Replacing 9th Revised Sheet 37

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

Missouri Public

7.2 Service Descriptions-(Continued)

REC'D FEB 2 0 2002

7.2.8 High Capacity Service

Service Commission

A. Basic Channel Description

A High Capacity channel is a channel for the transmission of nominal 64.0 kbps(1) or 1.544 or 44.736 Mbps isochronous serial data. The actual bit rate and framing format is a function of the channel interface selected by the customer. High Capacity channels are provided (a) between customer designated premises, (b) between a customer designated premises and a Telephone Company Hub, (c) Hub to Hub for Network Reconfiguration Service at 1.544 Mbps transmission, (d) between Transport Resource Management Service Hubs at 1.544 Mbps transmission, (e) between a Transport Resource Management Service Hub and a Telephone Company Hub at 1.544 Mbps transmission, (f) between a Network Reconfiguration Service Hub and a Transport Resource Management Service Hub at 1.544 Mbps transmission, or (g) between a Network Reconfiguration Service Hub and a Telephone Company Hub at 1.544 Mbps transmission.

It is the responsibility of the customer to provide the Network Channel Terminating Equipment associated with the High Capacity channel at the customer's premises. The interim program, for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

High Capacity Service is classified as competitive.

CANCELLED

B. Technical Specifications Packages

Package HC-

Parameters

Error-Free Seconds

X

A channel with technical specifications package HC1 will be capable of an error-free second performance of 98.75 percent over a continuous 24-hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designed, manufactured and maintained to conform with the specifications contained in Technical References set forth at the end of Paragraph 7.2.

(1) Available only as a channel of a 1.544 Mbps facility between two Telephone Company designated Hubs. The customer must provide system and channel assignment data.

Issued: February 20, 2002

Effective: March 22; 2002

By JAN NEWTON, President-Missouri

Southwestern Bell Telephone, L.P., d/b/a Southwestern Bell Telephone Company

St. Louis, Missouri

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Service Commission

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9th Revised Sheet 37
Replacing 8th Revised Sheet 37

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

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7.2.8 High Capacity Service

Public Service Commission MISSOURI

A. Basic Channel Description

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A High Capacity channel is a channel for the transmission of nominal 64.0 kbps(1) or 1.544 or 44.736 Mbps isochronous serial data. The actual bit rate and framing format is a function of the channel interface selected by the customer. High Capacity channels are provided (a) between customer designated premises, (b) between a customer designated premises and a Telephone Company Hub, (c) Hub to Hub for Network Reconfiguration Service at 1.544 Mbps transmission, (d) between Transport Resource Management Service Hubs at 1.544 Mbps transmission, (e) between a Transport Resource Management Service Hub and a Telephone Company Hub at 1.544 Mbps transmission, (f) between a Network Reconfiguration Service Hub and a Transport Resource Management Service Hub at 1.544 Mbps transmission, or (g) between a Network Reconfiguration Service Hub and a Telephone Comapny Hub at 1.544 Mbps transmission.

It is the responsibility of the customer to provide the Network Channel Terminating Equipment associated with the High Capacity channel at the customer's premises. The interim program, for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

High Capacity Service was classified as transitionally competitive effective January 10, 1993.

B. Technical Specifications Packages

<u>Package HC-</u>
<u>0 1 3</u>

Error-Free Seconds

Parameters

X

A channel with technical specifications package HC1 will be capable of an error-free second performance of 98.75 percent over a continuous 24-hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designed, manufactured and maintained to conform with the specifications contained in Technical References set forth at the end of Paragraph 7.2.

(1) Available only as a channel of a 1.544 Mbps facility between two Telephone Company designated Hubs. The customer must provide system and channel assignment data.

Issued: AUG 2 6 1994

Effective: SEP 2 R 1992EP 26 1994

By M. H. SCHULTEIS, Executive Director-External Affairs
Southwestern Bell Telephone

St. Louis, Missouri

MISSOURI Public Service Commission

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Access Services Tariff Section 7 8th Revised Sheet 37 Replacing 7th Revised Sheet 37

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

AUG 25 1993

7.2.8 High Capacity Service

MISSOURI Public Service Commission

A. Basic Channel Description

A High Capacity channel is a channel for the transmission of nominal 64.0 kbps(1) or 1.544 or 44.736 Mbps isochronous serial data. The actual bit rate and framing format is a function of the channel interface selected by the customer. High Capacity channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub, or Hub to Hub for Network Reconfiguration Service at 1.544 Mbps transmission.

It is the responsibility of the customer to provide the Network Channel Terminating Equipment associated with the High Capacity channel at the customer's premises. The interim program, for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

High Capacity Service was classified as transitionally competitive effective January 10, 1993.

Technical Specifications Packages

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Package HC-

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Parameters

Error-Free Seconds

Public Service Commission MISSOURI

A channel with technical specifications package HCl will be capable of an error-free second performance of 98.75 percent over a continuous 24-hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designed, manufactured and maintained to conform with the specifications contained in Technical References set forth at the end of Paragraph 7.2.

(1) Available only as a channel of a 1.544 Mbps facility between two Telephone Company designated Hubs. The customer must provide system and channel assignment data.

AUG 2 7 1993 Issued:

Effective: SEP 2 7 1993

By A. D. ROBERTSON, Assistant Vice President-External Affairs Southwestern Bell Telephone Company St. Louis, Missouri

Access Services Tariff
Section 7
7th Revised Sheet 37
Replacing 6th Revised Sheet 37

ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
 - 7.2.8 High Capacity Service
 - A. Basic Channel Description

250155 Public Barvics Commission

A High Capacity channel is a channel for the transmission of nominal 64.0 kbps(1) or 1.544, 3.152, 6.312, 44.736 or 274.176 Mbps isochronous serial data. The actual bit rate and framing format is a function of the channel interface selected by the customer. High Capacity channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub, or Hub to Hub for Network Reconfiguration Service at 1.544 Mbps transmission.

It is the responsibility of the customer to provide the Network Channel Terminating Equipment associated with the High Capacity channel at the customer's premises. The interim program, for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

High Capacity Service was classified as transitionally competitive effective January 10, 1993.

B. Technical Specifications Packages

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Package HC 25 Ch Commission

1 1C BY 25 Ch Commission

Public Service Commission
MISSOURI

Parameters

Error-Free Seconds

Х

A channel with technical specifications package BC1 will be capable of an error-free second performance of 98.75 percent over a continuous 24-hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designed, manufactured and maintained to conform with the specifications contained in Technical References set forth at the end of Paragraph 7.2.

(1) Available only as a channel of a 1.544 Mbps facility between two Telephone Company designated Hubs. The customer must provide system and channel assignment data.

Issued: **QCT 01** 1992

Effective: 1

JAN 1 0 1993

By A. D. ROBERTSON, Assistant Vice President-External Affairs 1993
Southwestern Bell Telephone Company
St. Louis, Missouri

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Access Services Tariff
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6th Revised Sheet 37
Replacing 5th Revised Sheet 37

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

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7.2.8 High Capacity Service

MISSOURI Public Service Commission

A. Basic Channel Description

A High Capacity channel is a channel for the transmission of nominal 64.0 kbps(1) or 1.544, 3.152, 6.312, 44.736 or 274.176 Mbps isochronous serial data. The actual bit rate and framing format is a function of the channel interface selected by the customer. High Capacity channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub, or Hub to Hub for Network Reconfiguration Service at 1.544 Mbps transmission.

It is the responsibility of the customer to provide the Network Channel Terminating Equipment associated with the High Capacity channel at the customer's premises.

(RT)

B. Technical Specifications Packages

| | | Package | HC- | | |
|---|---|------------|-----|---|---|
| 0 | 1 | 1 <u>c</u> | 2 | 3 | 4 |

Parameters

Error-Free Seconds

X

A channel with technical specifications package HCl will be capable of an error-free second performance of 98.75 percent over a continuous 24-hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designed, manufactured and maintained to conform with the specifications contained in Technical References set forth at the end of Paragraph 7.2.

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JAN 101993 BY 74RS. #37

(1) Available only as a channel of a 1.544 Mbps facility between two Telephone Company designated Hubs. The customer must provide system and channel assignment data.

Issued: AUG 0 9 1991

Effective:

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SEP 3 0 1991

By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

Tublic Service Commission

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Access Services Tariff
Section 7
5th Revised Sheet 37
Replacing 4th Revised Sheet 37

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

MAY 29 1991

7.2.8 High Capacity Service

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Public Service Commission

A. Basic Channel Description

A High Capacity channel is a channel for the transmission of nominal 64.0 kbps(1) or 1.544, 3.152, 6.312, 44.736 or 274.176 Mbps isochronous serial data. The actual bit rate and framing format is a function of the channel interface selected by the customer. High Capacity channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub, or Hub to Hub for Network Reconfiguration Service at 1.544 Mbps transmission.

It is the responsibility of the customer to provide the Network Channel Terminating Equipment associated with the High Capacity channel at the customer's premises. The interim program, for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

B. Technical Specifications Packages

Package HC
O 1 1C SEP 3 0 1991
BY GR R.S. 37

Public Service Commission

MISSOURI

Error-Free Seconds

Parameters

A channel with technical specifications package HC1 will be capable of an error-free second performance of 98.75 percent over a continuous 24-hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designed, manufactured and maintained to conform with the specifications contained in Technical References set forth at the end of Paragraph 7.2.

(1) Available only as a channel of a 1.544 Mbps facility between two Telephone Company designated Hubs. The customer must provide system and channel assignment data.

Issued: JUN 0 4 1991

Effective: AUG 0 5 1991

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AUG 5

By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

Lublic Service Commission

Access Services Tariff Section 7 4th Revised Sheet 37 Replacing 3rd Revised Sheet 37

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

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7.2.8 High Capacity Service

MISSOURI **Public Service Commission**

A. Basic Channel Description

A High Capacity channel is a channel for the transmission of nominal 64.0 kbps(1) or 1.544, 3.152, 6.312, 44.736 or 274.176 Mbps isochronous serial data. The actual bit rate and framing format is a function of the channel interface selected by the customer. High Capacity channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub.

It is the responsibility of the customer to provide the Network Channel Terminating Equipment associated with the High Capacity channel at the customer's premises. The interim program, for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

B. Technical Specifications Packages

Package HC-0 1 10 2

Parameters

Error-Free Seconds

X

A channel with technical specifications package HCl will be capable of an error-free second performance of 98.75 percent over a continuous 24-hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designed, manufactured and maintained to conform with the specifications contained in Technical References set forth at the end of Paragraph 7.2.

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AUG 2 1991 BY STARS # 37

(1) Available only as a channel of a 1.544 Mbps facility betwell for viete from enjesion Company designated hubs. The customer must provide system and MARGELIAI assignment data.

Issued: FEB 2 2 1990

Bffective: MAR 2 6 1990

FILED

By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis. Missouri

MAR 26 1990

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Replacing 2nd Revised Sheet 37

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

SEP 25 1989

7.2 Service Descriptions-(Continued)

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7.2.8 High Capacity Service

MISSOURI
Public Service Commission

A. Basic Channel Description

A High Capacity channel is a channel for the transmission of nominal 64.0 kbps(1) or 1.544, 3.152, 6.312, 44.736 or 274.176 Mbps isochronous serial data. The actual bit rate and framing format is a function of the channel interface selected by the customer. High Capacity channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub.

It is the responsibility of the customer to provide the Network Channel Terminating Equipment associated with the High Capacity channel at the customer's premises. The interim program, for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

B. Technical Specifications Packages

 Package HC

 0
 1
 1C
 2
 3
 4

Parameters

Error-Free Seconds

X

A channel with technical specifications package HCl will be capable of an error-free second performance of 98.75 percent over a continuous 24-hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designed, manufactured and maintained to conform with the specifications contained in Technical Reference PUB 62411 CELLED

MAR 26 1990
BY 44 1 5 #31
Sublic Service Commission
MISSOURI

(1) Available only as a channel of a 1.544 Mbps facility between two Telephone (CT) Company designated Hubs or as a cross connect of two 2.4, 4.8, 9.6, 56.0 (CT) or 64.0 kbps channels or two 1.544 Mbps facilities to a designated Hub(s). The customer must provide system and channel assignment data.

Issued: 0EP 2 5 1989

Effective:

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Access Services Tariff Section 7 2nd Revised Sheet 37 Replacing 1st Revised Sheet 37

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

JUN 22 1988

7.2 Service Descriptions-(Continued)

7.2.8 High Capacity Service

MISSOURI Public Service Commission

A. Basic Channel Description

A High Capacity channel is a channel for the transmission of nominal 64.0 kbps (1) or 1.544, 3.152, 6.312, 44.736 or 274.176 Mbps isochronous serial data. The actual bit rate and framing format is a function of the channel interface selected by the customer. High Capacity channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub.

(CP) It is the responsibility of the customer to provide the Network Channel Terminating Equipment associated with the High Capacity channel at the customer's premises. The interim program, for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

Technical Specifications Packages

Package HC-10 2 3 4 Error-Free Seconds NAISSOURI X

A channel with technical specifications package HCl will be capable of an error-free second performance of 98.75 percent over a continuous 24-hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designed, manufactured and maintained to conform with the specifications contained in Technical Reference PUB 62411.

(1) Available only as a channel of a 1.544 Mbps facility between two Telephone Company Digital Data Hubs or as a cross connect of two 2.4, 4.8, 9.6, 56.0 or 64.0 kbps channels or two 1.544 Mbps facilities to a Digital Data Hub(s). The customer must provide system and channel assignment data.

Issued:

Effective:

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JUL 8 1988

JUN 2 2 1988
By R. D. BARRON, President-Missouri Division
Poll Telephone Company

St. Louis, Missouri

Access Services Tariff Replacing Original Sheet 37

(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
 - 7.2.8 High Capacity Service
 - A. Basic Channel Description

Section 7 1st Revised Sheet 37

JUN 27 1986

あり2200K Public Service Commission

A High Capacity channel is a channel for the transmission of nominal 64.0 kbps(1) or 1.544, 3.152, 6.312, 44.736 or 274.176 Mbps isochronous serial data. The actual bit rate and framing format is a function of the channel interface selected by the customer. High Capacity channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub.

The customer may provide the Network Channel Terminating Equipment associated with the High Capacity channel at the customer's premises. The interim program for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

Technical Specifications Packages

| | | | Package HC- | | | | |
|--------------------|-------------|------------|-------------|---|----------|---|--|
| Parameters | <u>0</u> | · <u>1</u> | <u>1C</u> | 2 | <u>3</u> | 4 | |
| | | v | | | | | |
| Error-Free Seconds | | A. | | | | | |

A channel with technical specifications package HCl will be capable of an error-free second performance of 98.75 percent over a continuous 24hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designed, manufactured and maintained to conform with the specifications contained in Technique Reference PUB 62411.

(1) Available only as a channeluble a labora Mbps facility between two Telen phone Company Digital Data Hubs or as a cross connect of two 2.4, 4.8, 9.6, 56.0 or 64.0 kbps channels or two 1.544 Mbps facilities to a Digital Data Hub(s). The customer must provide system and channel assignment 86-84

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Issued:

JUN 27 1986

Effective:

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Access Services Tariff Section 7 nOriginal Sheet, 37

ACCESS SERVICES

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- SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Technical Service Descriptions for Special Access Service (Continued
 - 7.2.1 Analog Services-(Continued)
 - Voice Grade Services-(Continued)
 - Voice Grade 6 (VG6) Special Access Service-(Continued)
 - d. Transmission Performance-(Continued)
 - Intermodulation Distortion

The intermodulation distortion based upon the four-tone method shall be such that R2 is not less than 33 dB and R3 not less than 40 dB.

- Phase Jitter

The phase jitter over 20-300 Hz shall not exceed 5° peak-to-peak and over 4-300 Hz shall not exceed 10 peak-to-peak.

- Frequency Shift

The frequency shift shall not exceed +1 Hz.

e. Available Facility Interface Combinations

VG6 is available only with specific facility interface combinations as set forth in Paragraph 7.2.1, B., 14., following.

- 7. Voice Grade 7 (VG7) Special Access Service
 - a. Description

Special Access Service VG7 provides a channel for voiceband premises. The transmission interface at the End User's premises

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Issued: DEC 2 9 1983 Effective: JAN 0 1 1984

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.8 High Capacity Service-(Continued)
- C. Channel Interfaces

The following channel interfaces (Cl's) define the bit rates that are available for a High Capacity channel:

CI Bit Rate

DS-I5(I)(2) I.544 Mbps (DSI)

DS-44 44.736 Mbps (DS3)

Compatible channel interfaces are set forth in Technical References at the end of Paragraph 7.2.

- D. Service to Service Through Connect Arrangement
 - 1. High Capacity Service Arrangement

This provides the interconnection of two DS1 at a Digital Hub.

2. Multiplexed Service Arrangement

This provides the interconnection of two digital channels extended from High Capacity multiplexed services. The through connect will be provisioned in lieu of a typical High Capacity channel termination. The ordering customer must provide channel assignments for both multiplexed services. Channel mileage is required if the multiplexed services are terminated in two separate digital hubs.

(1) A 64.0 Kbps channel is available as a channel(s) of a I.544 Mbps facility to a Telephone Company Hub.

(2) Effective June 30, 2021, 64.0 Kbps will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

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Section 7
6th Revised Sheet 38
Replacing 5th Revised Sheet 38

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.8 High Capacity Service-(Continued)
- C. Channel Interfaces

The following channel interfaces (CI's) define the bit rates that are available for a High Capacity channel:

| | <u>C1</u> | <u>Bit Rate</u> |
|------|-----------|-------------------|
| (RT) | DS-15(1) | 1.544 Mbps (DSl) |
| (RT) | DS-44 | 44.736 Mbps (DS3) |
| (RT) | | |

Compatible channel interfaces are set forth in Technical References at the end of Paragraph 7.2.

- D. Service to Service Through Connect Arrangement
 - 1. High Capacity Service Arrangement

This provides the interconnection of two DS1 at a Digital Hub.

2. Multiplexed Service Arrangement

This provides the interconnection of two digital channels extended from High Capacity multiplexed services. The through connect will be provisioned in lieu of a typical High Capacity channel termination. The ordering customer must provide channel assignments for both multiplexed services. Channel mileage is required if the multiplexed services are terminated in two separate digital hubs.

(1) A 64.0 Kbps channel is available as a channel(s) of a 1.544 Mbps facility to a Telephone Company Hub.

Issued: August 27, 1993 Effective: September 27, 1993

Access Services Tariff
Section 7
5th Revised Sheet 38
Replacing 4th Revised Sheet 38

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

FEB 20 1990

7.2.8 High Capacity Service-(Continued)

MISSOURI

C. Channel Interfaces

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Public Service Commission

The following channel interfaces (CI's) define the bit rates that are available for a High Capacity channel:

| <u>CI</u> | Bit Rate | | | |
|-----------|--------------------|--|--|--|
| DS-15(1) | 1.544 Mbps (DS1) | | | |
| DS-27 | 274.176 Mbps (DS4) | | | |
| DS-31 | 3.152 Mbps (DS1C) | | | |
| DS-44 | 44.736 Mbps (DS3) | | | |
| DS-53 | 6.312 Mbps (DS2) | | | |

Compatible channel interfaces are set forth in Technical References at the end of Paragraph 7.2.

- D. Service to Service Through Connect Arrangement
 - 1. High Capacity Service Arrangement

This provides the interconnection of two DS1 at a Digital Hub.

2. Multiplexed Service Arrangement

This provides the interconnection of two digital channels extended from High Capacity multiplexed services. The through connect will be provisioned in lieu of a typical High Capacity channel termination. The ordering customer must provide channel assignments for both multiplexed services. Channel mileage is required if the multiplexed services are terminated in two separate digital hubs.

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Public Service Commission MISSOURI

(1) A 64.0 Kbps channel is available as a channel(s) of a 1.544 Mbps facility to a Telephone Company Hub.

Issued: FEB 2 2 1990

Effective: MAR 2 6 1990

FILED

By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

MAR 26 1990

Access Services Tariff Section 7 4th Revised Sheet 38 Replacing 3rd Revised Sheet 38

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

SEP 25 1989

7.2.8 High Capacity Service-(Continued)

MISSOURI

C. Channel Interfaces

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Public Carvice Commission

The following channel interfaces (CI's) define the bit rates that are available for a High Capacity channel:

BY DISSOURI DS-27
NISSOURI DS-31 Bit Rate 1.544 Mbps (DS1) 274.176 Mbps (DS4) 3.152 Mbps (DS1C) 44.736 Mbps (DS3) 6.312 Mbps (DS2)

Compatible channel interfaces are set forth in Technical References at the end of Paragraph 7.2.

- D. Optional Features and Functions
 - 1. Automatic Loop Transfer

The Automatic Loop Transfer provides protection on a lxN basis against failure of the facilities between a customer-designated premises and the wire center serving that premises. Protection is furnished through the use of a switching arrangement that automatically switches to a spare channel when a working channel fails. The spare channel is included as a part of the option. This option requires compatible equipment at both the serving wire center and the customer's premises. The customer is responsible for providing the equipment at his/her premises.

2. Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of their access channel(s). The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working channel that terminates in either the same or a different customer premises. A Key Activated or Dial-Up Control Service is required to operate the transfer arrangement. A spare line, if required, is not included as part of the option.

(1) A 64.0 Kbps channel is available as a channel(s) of a 1.544 Mbps facility to a Telephone Company Hub.

Issued: SEP 2 5 1989 Effective:

Access Services Tariff Section 7 3rd Revised Sheet 38 Replacing 2nd Revised Sheet 38

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

JUN 22 1988

7.2.8 High Capacity Service-(Continued)

MISSOURI

C. Channel Interfaces

Public Service Commission

The following channel interfaces (CI's) define the bit rates that are available for a High Capacity channel:

| CI | Bit Rate |
|----------|--------------------|
| DS-15(1) | 1.544 Mbps (DS1) |
| DS-27 | 274.176 Mbps (DS4) |
| DS-31 | 3.152 Mbps (DS1C) |
| DS-44 | 44.736 Mbps (DS3) |
| DS-53 | 6.312 Mbps (DS2) |
| | |

Compatible channel interfaces are set fortheth-Faragraph 7.3.5, H., following.

Optional Features and Functions

Automatic Loop Transfer

Automatic Loop Transfer

BY COMMISSION

The Automatic Loop Transfer provides profestion on a lxN basis against failure of the facilities between a customer-designated premises and the wire center serving that premises. Protection is furnished through the use of a switching arrangement that automatically switches to a spare channel when a working channel fails. The spare channel is included as a part of the option. This option requires compatible equipment at both the serving wire center and the customer's premises. The customer is responsible for providing the equipment at his/her premises.

(CP) (CP)

2. Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of their access channel(s). The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working channel that terminates in either the same or a different customer premises. A Key Activated or Dial-Up Control Service is required to operate the transfer arrangement. A spare line, if required, is not included as part of the option.

(1) A 64.0 kbps channel is available as a channel(s) of a 1.544 Mbps facility to a Telephone Company Hub.

Effective:

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Issued: JUN 22 1988

By R. D. BARRON, President-Missouri Division

Southwestern Bell Telephone Company St. Louis, Missouri

JUL 8 1988

Public Service Commission

Access Services Tariff Section 7 2nd Revised Sheet 38 Replacing_1st_Revised_Sheet_38-

(CP)ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

7.2.8 High Capacity Service-(Continued)

C. Channel Interfaces

The following channel interfaces (CI's) define the Publica Commission

available for a High Capacity channel:

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| CI | Bit_Rate | -5 |
|-------------------|--|----------------------------------|
| DS-15(1) DS-27 | 1.544 Mbps (DS1) 274.176 Mbps (DS4) | CANCELLED |
| DS-31 | \ | JUL 8 1988 |
| DS-44 | 44.736 Mbps (DS3) | 2000 S# 30 |
| DS-53 | 6.312 Mbps (DS2) | BY 3 P S # 38 By 3 P Commission |

Compatible channel interfaces are set forth in Paragraph 7.3,5550 URI fellowing.

- Optional Features and Functions
 - 1. Automatic Loop Transfer

The Automatic Loop Transfer provides protection on a lxN basis against failure of the facilities between a customer-designated premises and the wire center serving that premises. Protection · is furnished through the use of a switching arrangement that automatically switches to a spare channel when a working channel fails. The spare channel is included as a part of the option. This option requires compatible equipment at both the serving wire center and the customer's premises. The customer is responsible for providing the equipment at its premises. Equipment at the customer's premises will be provided under tariff only if it existed in the Telephone Company's inventory as of November 18, 1983.

2. Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of their access channel(s). The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working channel that terminates in either the same or a different customer premises. A Key Activated or Dial-Up-Control Service is required to operate the transfer arrangement A spare line, if required, is not included as part of the option.

(1) A 64.0 kbps channel is available as a channel(s) of a 1,544 Mbps facility to a Telephone Company Hub.

Issued:

JUN 27 1986

Effective:

Access Services Tariff
Section 7
lst Revised Sheet 38
Replacing Original Sheet 38

ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)
 - B. Voice Grade Services-(Continued)

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- 7. Voice Grade 7 (VG7) Special Access Service-(Continued)
 - a. Description-(Continued)

is two-wire or four-wire and the IC terminal location interface is four-wire. This service will support effective two-wire or four-wire transmission.

b. Illustrative Applications

Special Access Service VG7 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as:

- Centrex C.O. Station Line Off-Premises Station
- PBX Off-Premises Station
- Foreign Exchange Trunk (Closed End)
- Foreign Exchange Line (Closed End)
- PBX Tie Trunks
- SSN Tie Trunks
- Voice Grade Data Connecting Facility
- c. Optional Features
 - Improved return loss for effective two-wire transmission at the End User's premises.
 - C-Conditioning
 - DA-Conditioning
 - IC specified End User's premises receive level within a range acceptable to the Telephone Company Telephone Company

(RT)

BY SERVICE COMMISSION OF MISSOURI

FILED OCT 4.5 1994

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Issued: AUG 1 5 1984

Effective: OC

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Access Services Tariff Section 7 Original Sheet_38 [망[진[진]된]]

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services (Continued)
 - B. Voice Grade Services-(Continued)
 - 7. Voice Grade 7 (VG7) Special Access Service-(Continued)
 - a. Description-(Continued)

is two-wire or four-wire and the IC terminal location interface is four-wire. This service will support effective two-wire or four-wire transmission.

b. Illustrative Applications

Special Access Service VG7 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as:

- Centrex C.O. Station Line Off-Premises Station
- PBX Off-Premises Station
- Foreign Exchange Trunk (Closed End)
- Foreign Exchange Line (Closed End)
- PBX Tie Trunks
- SSN Tie Trunks
- Voice Grade Data Connecting Facility

c. Optional Features

- Improved return loss for effective two-wire UBLIC SERVICE COMMISSION transmission at the End User's new contraction of MISSOURI

- C-Conditioning
- DA-Conditioning
- IC specified End User's premises receive level within a range acceptable to the Telephone Company on effective four-wire transmission.

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061 1 2 JUBA

DEC 2 9 1983 Issued:

JAN 0 1 1984 Effective:

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.8 High Capacity Service-(Continued)
- E. Optional Features, BSEs and Functions
 - 1.

2. Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of their access channel(s). The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working channel that terminates in either the same or a different customer premises. A Key Activated or Dial-Up Control Service is required to operate the transfer arrangement. A spare line, if required, is not included as part of the option.

- 3. Central Office Multiplexing BSE
 - a. DS3 to DSI

An arrangement that converts a 44.736 Mbps channel to 28 DSI channels using digital time division multiplexing.

Issued: November 9, 2011 Effective: December 9, 2011

Access Services Tariff
Section 7
6th Revised Sheet 39
Replacing 5th Revised Sheet 39

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

- 7.2 Service Descriptions-(Continued)
- 7.2.8 High Capacity Service-(Continued)
- E. Optional Features, BSEs and Functions
 - 1. Automatic Loop Transfer BSE

The Automatic Loop Transfer provides protection on a lxN basis against failure of the facilities between a customer-designated premises and the wire center serving that premises. Protection is furnished through the use of a switching arrangement that automatically switches to a spare channel when a working channel fails. The spare channel is included as a part of the option. This option requires compatible equipment at both the serving wire center and the customer's premises. The customer is responsible for providing the equipment at his/her premises.

2. Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of their access channel(s). The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working channel that terminates in either the same or a different customer premises. A Key Activated or Dial-Up Control Service is required to operate the transfer arrangement. A spare line, if required, is not included as part of the option.

3. Central Office Multiplexing BSE

(RT)

(RT)

(FC) a. DS3 to DS1

An arrangement that converts a 44.736 Mbps channel to 28 DSl channels using digital time division multiplexing.

(RT)

(RT)

Issued: August 27, 1993 Effective: September 27, 1993

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(C)

Access Services Tariff Section 7 5th Revised Sheet 39 Replacing 4th Revised Sheet 39

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

7.2.8 High Capacity Service-(Continued)

Optional Features, BSEs and Functions

Automatic Loop Transfer BSE

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MISSOURI Public Service Commission

The Automatic Loop Transfer provides protection on a lxN basis against failure of the facilities between a customer-designated premises and the wire center serving that premises. Protection is furnished through the use of a switching arrangement that automatically switches to a spare channel when a working channel fails. The spare channel is included as a part of the option. This option requires compatible equipment at both the serving wire center and the customer's premises. The customer is responsible for providing the equipment at his/her premises.

2. Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of their access channel(s). The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working channel that terminates in either the same or a different customer premises. A Key Activated or Dial-Up Control Service is required to operate the transfer arrangement. A spar line, if required, is not included as part of the option.

(TA) 3. Central Office Multiplexing BSE

DS4 to DS1

BY 6 TR S# 39 An arrangement that converts a 274.176 Mbps channel (Service Commission 168 DS1 channels using digital time division multipleximission)

DS3 to DS1

An arrangement that converts a 44.736 Mbps channel to 28 DS1 channels using digital time division multiplexing.

c. DS2 to DS1

An arrangement that converts a 6.312 Mbps channel to four DSl channels using digital time division multiplexing.

Issued: MAR 2 6 1993

Effective:

SEP 25 1993

By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

(FC)

Access Services Tariff
Section 7
4th Revised Sheet 39
Replacing 3rd Revised Sheet 39

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

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7.2.8 High Capacity Service-(Continued)

MISSOURI
Public Service Commission

E. Optional Features and Functions

1. Automatic Loop Transfer

The Automatic Loop Transfer provides protection on a lxN basis against failure of the facilities between a customer-designated premises and the wire center serving that premises. Protection is furnished through the use of a switching arrangement that automatically switches to a spare channel when a working channel fails. The spare channel is included as a part of the option. This option requires compatible equipment at both the serving wire center and the customer's premises. The customer is responsible for providing the equipment at his/her premises.

2. Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of their access channel(s). The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working channel that terminates in either the same or a different customer premises. A Key Activated or Dial-Up Control Service is required to operate the transfer arrangement. A spare line, if required, is not included as part of the option CANCELLED

3. Central Office Multiplexing

a. DS4 to DS1

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blic Service Commission

An arrangement that converts a 274.176 Hbps champing Service Commission 168 DSl channels using digital time division multiplexing SOURI

b. DS3 to DS1

An arrangement that coverts a 44.736 Mbps channel to 28 DSl channels using digital time division multiplexing.

c. DS2 to DS1

An arrangement that converts a 6.312 Mbps channel to four DSI channels using digital time division multiplexing.

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Issued: FEB 2 2 1990

Effective: MAR 2 6 1990

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Access Services Tariff Section 7 3rd Revised Sheet 39 Replacing 2nd Revised Sheet 39

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

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Public Service Commission

- 7.2 Service Descriptions~(Continued)
- 7.2.8 High Capacity Service-(Continued)
- D. Optional Features and Functions-(Continued)
 - 3. Central Office Multiplexing
 - DS4 to DS1

Public Service Commission An arrangement that converts a 274.176 Mbps channel to 168 DSl channels using digital time division multiplexing.

b. DS3 to DS1

An arrangement that coverts a 44.736 Mbps channel to 28 DS1 channels using digital time division multiplexing.

c. DS2 to DS1

An arrangement that converts a 6.312 Mbps channel to four DS1 channels using digital time division multiplexing.

d. DS1C to DS1

An arrangement that converts a 3.152 Mbps channel to two DS1 channels using digital time division multiplexing.

DS1 to Voice

An arrangement that converts a 1.544 Mbps channel to 24 channels for use with Voice Grade Services. A channel of this DS1 to the Hub can also be used for a MegaLink Data, Metallic Service or WATS Access Lines.

f. DSl to DSO

An arrangement that converts a 1.544 Mbps channel to 23 64.0 kbps channels utilizing digital time division multiplexing.

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[ssued: SEP 2 5 1989

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Access Services Tariff Section 7 2nd Revised Sheet 39 Replacing 1st Revised Sheet 39

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

7.2.8 High Capacity Service-(Continued)

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- D. Optional Features and Functions-(Continued)
 - Central Office Multiplexing
 - a. DS4 to DS1

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An arrangement that converts a 274.176 Mbps channel to 168 DS1 channels using digital time division multiplexing.

DS3 to DS1

An arrangement that coverts a 44.736 Mbps channel to 28 DS1 channels using digital time division multiplexing.

DS2 to DS1

An arrangement that converts a 6.312 Mbps channel to four DSI channels using digital time division multiplexing.

d. DS1C to DS1

An arrangement that converts a 3.152 Mbps channel to two DS1 channels using digital time division multiplexing.

e. DSl to Voice

An arrangement that converts a 1.544 Mbps channel to 24 channels for use with Voice Grade Services. A channel of this DSI to the Hub can also be used for a Digital Data, Program Audio, Metallic Service or WATS Access Lines.

f. DSl to DSO

An arrangement that converts a 1.544 Mbps channel to 23 64.0 kbps channels utilizing digital time division multiplexing.

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OCT 16 1987 170-87-42

Public Service Commission

Issued: OCT 1 4 1987

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Effective: OCT 16 1987.

(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
 - 7.2.8 High Capacity Service-(Continued)
 - D. Optional Features and Functions-(Continued)
 - Central Office Multiplexing
 - DS4 to DS1

An arrangement that converts a 274.176 Mbps channel to . 168 DS1 channels using digital time division multiplexing.

b. DS3 to DS1

An arrangement that coverts a 44.736 Mbps channel to 28 DSJELLED channels using digital time division multiplexing. CANCELLED

c. DS2 to DS1

OCT 16 1987 An arrangement that converts a 6.312 Mbps channel to commission multiplexing contract multiplexi DS1 channels using digital time division multiplexing Service Commission
DS1C to DS1

An arrangement that converts a 3.152 Mbps channel to two DS1 channels using digital time division multiplexing.

e. DS1 to Voice

An arrangement that converts a 1.544 Mbps channel to 24 channels for use with Voice Grade Services. A channel of this DS1 to the Hub can also be used for a Digital Data, Program Audio or Metallic Service.

f. DS1 to DS0

An arrangement that converts a 1.544 Mbps channel to 23 64.0 kbps channels utilizing digital time division multiplexing.

Access Services Tariff

Replacing Original Sheet 39

JUN 27 1986

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Public Service Commission

1st Revised Sheet 39

Section 7

Issued: 37 27 276

Effective:

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Original Sheet 39

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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- 7.2 Technical Service Descriptions for Special Access Service-(Continued)!
 - 7.2.1 Analog Services-(Continued)

Public Commission

- B. Voice Grade Services-(Continued)
 - 7. Voice Grade 7 (VG7) Special Access Service-(Continued)
 - c. Optional Features-(Continued)
 - -Improved return loss of four-wire point of interface, applicable to each two-wire of effective four-wire channel.
 - d. Transmission Performance
 - C-Message Noise

The C-Message Noise shall be less than:

| | Limit (dl | 3rnCO)(1) |
|----------------------|-----------|-----------|
| Channel Mileage (mi) | Type Vl | Type V2 |
| 0 - 50 | 32 | 38 |
| 51 - 100 | 33 | 39 |
| 101 - 200 | 35 | 41 |
| 201 - 400 | 37 | 43 |
| 401 - 1000 | 39 | 45 |

- Echo Control

Echo Control, identified as Equal Level Echo Path Loss at four-wire interfaces of Rechin Loss and Singing Return Loss, at either the End User's premises or IC terminal location shall be not less than the following limits:

PUBLIC SERVICE COMMISSION
OF MISSOURI

JAN 7 1 1984

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(1) Where facility network conditions will support the parameters, Type V1 will be provided. Where the Type V1 parameters cannot be supported, Type V2 will be provided.

Issued: DEC 2 9 1983

Effective: JAN 0 1 1984

CANCELLED - Missouri Public Service Commission - 05/01/2024 - TN-2024-0278 - JI-2024-0140

ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.8 High Capacity Service-(Continued)
- E. Optional Features, BSEs and Functions-(Continued)
 - 3. Central Office Multiplexing BSE-(Continued)
 - b. DS1 to Voice

An arrangement that converts a I.544 Mbps channel to 24 channels for use with Voice Grade Services. A channel of this DS1 to the Hub can also be used for a MegaLink Data, Metallic Service or WATS Access Lines.

c. DS1 to DSO

An arrangement that converts a I.544 Mbps channel to 23 64.0 kbps channels utilizing digital time division multiplexing.

d. DSO to Subrate(1) (CP)

An arrangement that converts a 64.0 kbps channel to subspeeds of up to twenty 2.4 kbps, ten 4.8 kbps

- or .6 kbps channels using digital time division multiplexing.
- 4. Clear Channel Capability BSE

Issued: May 28, 2021

Clear Channel Capability is an optional feature that provides the customer with an increase in useable bandwidth from 1.344 Mbps to 1.536 Mbps of an unconstrained data stream across the network. Clear Channel Capability is provided only on 1.544 Mbps High Capacity service and requires the customer signal at the channel interface to conform to Bipolar with Eight Zero Substitution (B8ZS) line code format as set forth in the technical reference for high capacity at the end of Paragraph 7.2. Customer equipment must be compatible with this method of providing the unconstrained signal.

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

Effective: June 30, 2021

(AT)

(AT)

P.S.C. Mo. - No. 36 ACCESS SERVICES TARIFF

Southwestern Bell Telephone Company d/b/a AT&T Missouri Section 7 6th Revised Sheet 40 Replacing 5th Revised Sheet 40

ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
 - 7.2.8 High Capacity Service-(Continued)
 - E. Optional Features, BSEs and Functions-(Continued)
 - 3. Central Office Multiplexing BSE-(Continued)
 - b. DS1 to Voice

An arrangement that converts a I.544 Mbps channel to 24 channels for use with Voice Grade Services. A channel of this DS1 to the Hub can also be used for a MegaLink Data, Metallic Service or WATS Access Lines.

c. DS1 to DSO

An arrangement that converts a I.544 Mbps channel to 23 64.0 kbps channels utilizing digital time division multiplexing.

d. DSO to Subrate

An arrangement that converts a 64.0 kbps channel to subspeeds of up to twenty 2.4 kbps, ten 4.8 kbps

or .6 kbps channels using digital time division multiplexing.

4. Clear Channel Capability BSE

Clear Channel Capability is an optional feature that provides the customer with an increase in useable bandwidth from 1.344 Mbps to 1.536 Mbps of an unconstrained data stream across the network. Clear Channel Capability is provided only on 1.544 Mbps High Capacity service and requires the customer signal at the channel interface to conform to Bipolar with Eight Zero Substitution (B8ZS) line code format as set forth in the technical reference for high capacity at the end of Paragraph 7.2. Customer equipment must be compatible with this method of providing the unconstrained signal.

(RT)

Issued: July 19, 2012

Effective: August 18, 2012

Access Services Tariff
Section 7
5th Revised Sheet 40
Replacing 4th Revised Sheet 40

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Service Descriptions-(Continued)
 - 7.2.8 High Capacity Service-(Continued)
 - E. Optional Features, BSEs and Functions-(Continued)
 - 3. Central Office Multiplexing BSE-(Continued)

(RT) | | (RT)

(FC) b. DSl to Voice

An arrangement that converts a 1.544 Mbps channel to 24 channels for use with Voice Grade Services. A channel of this DSI to the Hub can also be used for a MegaLink Data, Metallic Service, DovLink or WATS Access Lines.

(FC) c. DSl to DSO

An arrangement that converts a 1.544 Mbps channel to 23 64.0 kbps channels utilizing digital time division multiplexing.

(FC) d. DSO to Subrate

An arrangement that converts a 64.0 kbps channel to subspeeds of up to twenty 2.4 kbps, ten 4.8 kbps or 9.6 kbps channels using digital time division multiplexing.

4. Clear Channel Capability BSE

Clear Channel Capability is an optional feature that provides the customer with an increase in useable bandwidth from 1.344 Mbps to 1.536 Mbps of an unconstrained data stream across the network. Clear Channel Capability is provided only on 1.544 Mbps High Capacity service and requires the customer signal at the channel interface to conform to Bipolar with Eight Zero Substitution (B8ZS) line code format as set forth in the technical reference for high capacity at the end of Paragraph 7.2. Customer equipment must be compatible with this method of providing the unconstrained signal.

Issued: August 27, 1993 Effective: September 27, 1993

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Access Services Tariff
Section 7
4th Revised Sheet 40
Replacing 3rd Revised Sheet 40

ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)

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7.2.8 High Capacity Service-(Continued)

MAR 29 1993

E. Optional Features, BSEs and Functions-(Continued)

) MISSOURI Public Service Commission

Central Office Multiplexing BSE-(Continued)

d. DS1C to DS1

An arrangement that converts a 3.152 Mbps channel to two DS1 channels using digital time division multiplexing.

e. DSl to Voice

An arrangement that converts a 1.544 Mbps channel to 24 channels for use with Voice Grade Services. A channel of this DS1 to the Hub can also be used for a MegaLink Data, Metallic Service, DovLink or WATS Access Lines.

f. DSl to DSO

An arrangement that converts a 1.544 Mbps channel to 23 64.0 kbps channels utilizing digital time division multiplexing.

g. DSO to Subrate

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An arrangement that converts a 64.0 kbps channel to subspeeds of up to twenty 2.4 kbps, ten 4.8 kbps or five 9.6 kbps channels using digital time division multiplexing.

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4. Clear Channel Capability BSE

Clear Channel Capability is an optional feature that provides the customer with an increase in useable bandwidth from 1.344 Mbps to 1.536 Mbps of an unconstrained data stream across the network. Clear Channel Capability is provided only on 1.544 Mbps High Capacity service and requires the customer signal at the channel interface to conform to Bipolar with Eight Zero Substitution (B8ZS) line code format as set forth in the technical reference for high capacity at the end of Paragraph 7.2. Customer equipment must be compatible with this method of providing the unconstrained signal.

Issued: MAR 2 6 1993

Effective:

APFILED

By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

on APR 11 1993 92 - 30 4 MO. PUBLIC SERVICE COMM.

Access Services Tariff
Section 7
3rd Revised Sheet 40
Replacing 2nd Revised Sheet 40

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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- 7.2 Service Descriptions-(Continued)
- 7.2.8 High Capacity Service-(Continued)
 - E. Optional Features and Functions-(Continued)
 - Central Office Multiplexing-(Continued)
 - d. DS1C to DS1

An arrangement that converts a 3.152 Mbps channel to two DS1 channels using digital time division multiplexing.

e. DSl to Voice

An arrangement that converts a 1.544 Mbps channel to 24 channels for use with Voice Grade Services. A channel of this DSl to the Hub can also be used for a MegaLink Data, Metallic Service, DovLink or WATS Access Lines.

f. DS1 to DS0

An arrangement that converts a 1.544 Mbps channel to 23 64.0 kbps channels utilizing digital time division multiplexing.

g. DSO to Subrate

An arrangement that converts a 64.0 kbps channel to CANCELLED subspeeds of up to twenty 2.4 kbps, ten 4.8 kbps or five 9.6 kbps channels using digital time division multiplexing.

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Public Service Commission

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4. Clear Channel Capability

Clear Channel Capability is an optional feature that provides the customer with an increase in useable bandwidth from 1.344 Mbps to 1.536 Mbps of an unconstrained data stream across the network. Clear Channel Capability is provided only on 1.544 Mbps High Capacity service and requires the customer signal at the channel interface to conform to Bipolar with Eight Zero Substitution (B8ZS) line code format as set forth in the technical reference for high capacity at the end of Paragraph 7.2. Customer equipment must be compatible with this method of providing the unconstrained signal.

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Issued:

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Access Services Tariff
Section 7
2nd Revised Sheet 40
Replacing 1st Revised Sheet 40

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

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7.2.8 High Capacity Service-(Continued)

MISSOURI
Public Service Commission

- E. Optional Features and Functions-(Continued)
 - Central Office Multiplexing-(Continued)
 - d. DS1C to DS1

An arrangement that converts a 3.152 Mbps channel to two DS1 channels using digital time division multiplexing.

e. DSl to Voice

An arrangement that converts a 1.544 Mbps channel to 24 channels for use with Voice Grade Services. A channel of this DS1 to the Hub can also be used for a MegaLink Data, Metallic Service or VATS Access Lines.

f. DS1 to DS0

An arrangement that converts a 1.544 Mbps channel to 23 64.0 kbps channels utilizing digital time division multiplexing.

g. DSO to Subrate

CANCELLED

An arrangement that converts a 64.0 kbps channel to subspeeds of up to twenty 2.4 kbps, ten 4.8 kbps or five 9.6 kbps channels using digital time division multiplexing.

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Public Service Commission

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4. Clear Channel Capability

Clear Channel Capability is an optional feature that provides the customer with an increase in useable bandwidth from 1.344 Mbps to 1.536 Mbps of an unconstrained data stream across the network. Clear Channel Capability is provided only on 1.544 Mbps High Capacity service and requires the customer signal at the channel interface to conform to Bipolar with Eight Zero Substitution (B8ZS) line code format as set forth in the technical reference for high capacity at the end of Paragraph 7.2. Customer equipment must be compatible with this method of providing the unconstrained signal.

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Issued: FEB 2 2 1990

Effective: MAR 2 & 1990

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Access Services Tariff
Section 7
3rd Revised Sheet 40.01
Replacing 2nd Revised Sheet 40.01

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.8 High Capacity Service-(Continued)
- E. Optional Features, BSEs and Functions-(Continued)
 - 5. Extended Superframe Format BSE

Extended Superframe Format is an optional feature that passes a customer provided framing format for 1.544 Mbps High Capacity service. Extended Superframe Format extends the customer's 1.544 Mbps framing structure from 12 to 24 frames and divides the 8 kbps 193rd bit position pattern into three distinct functionalities: 2 kbps for frame synchronization, 2 kbps for cyclic redundancy checking, and 4 kbps used primarily to send performance monitoring information over the Facilities Data Link.

(CP) 6. Power Over The Interface(1)

Power Over the Interface is an optional feature available with the installation of 1.544 Mbps High Capacity service. This option provides line power to the Customer's Premises Equipment, enabling the customer to benefit from uninterrupted service if a commercial power failure occurs.

(AT) (1) Obsolete, and limited to existing installations at existing locations, for (AT) existing customers.

Issued: August 26, 1994 Effective: September 26, 1994

Access Services Tariff
Section 7
2nd Revised Sheet 41.01
Replacing 1st Revised Sheet 41.01

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

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7.2.9 DovLink Service

A. Basic Channel Description

A DovLink channel is a channel for the transmission of either synchronous or asychronous data at speeds of 2.4, 4.8 or 9.6 kbps. The actual bit rate is a function of the channel interface selected by the customer. A DovLink Channel Termination is provided as a derived channel of a customer's intraexchange voice grade service loop facility. The customer may transmit data over the DovLink channel simultaneously with a voice transmission. The customer must provide a data voice multiplexer at the designated premises.

DovLink is provided where suitable intraexchange voice grade service loop facilities are available subject to the transmission limitations of the facilities and equipment used by the Telephone Company. DovLink is provided between customer-designated premises or between a customer-designated premises and a Telephone Company Hub where bridging or multiplexing functions are performed.

B. Technical Specifications Package

The technical specifications for the customer-provided data voice multiplexer are set forth in the appropriate Technical Reference for

(AT) DovLink Service listed in Paragraph 7.2, preceding.

Issued: October 5, 1992 Effective: December 4, 1992

Access Services Tariff Section 7 1st Revised Sheet 41.01 Replacing Original Sheet 41.01 1st Revised Sheet 42 2nd Revised Sheet 43 RECEIVED 1st Revised Sheet 44 1st Revised Sheet 45 1st Revised Sheet 46 APR 2.0 1990 2nd Revised Sheet 47 2nd Revised Sheet 48 MISSOURI Public Service Commission through 1st Revised Sheet 54 2nd Revised Sheet 55 through 2nd Revised Sheet 57 4th Revised Sheet 58 1st Revised Sheet 59 through 1st Revised Sheet 61 Originl Sheet 62 1st Revised Sheet 63 2nd Revised Sheet 64 through 2nd Revised Sheet 67

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SPECIAL ACCESS SERVICE-(Continued)

Information previously found in Section 7.3 may be found in the approved Technical Reference Publications.

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(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.8 High Capacity Service-(Continued)
 - D. Optional Features and Functions-(Continued)
 - 3. Central Office Multiplexing-(Continued)
 - g. DSO to Subrate

An arrangement that converts a 64.0 kbps channel to subspeeds of up to twenty 2.4 kbps, ten 4.8 kbps or five 9.6 kbps channels using digital time division multiplexing.

The following table shows the technical specifications packages with which the optional features and functions are available.

| | Available with Technical Specifications Package HC- | | | | | | |
|---|---|-----------------------------|-----------|-----|--------------------|-----------|--------------------|
| · | <u>0</u> | ī | <u>1C</u> | 2 | <u>3</u> | <u>4</u> | |
| Automatic Loop Transfer | CANC | ELLE | .D | | | | |
| Central Office Multiplexing: DS4 to DS1 DS3 to DS1 DS2 to DS1 DS1C to DS1 DS1 to Voice DS1 to DS0 | BYOZ | ng 199 vice Co issour | mmission | X | X | X | - . |
| DSO to Subrate(1) Transfer Arrange- | | | | 1,0 | Fill | 国国 | • |
| ment | | X | | | JUL 2 | 1986 | ; |
| | | | | Pub | 8 6 olic Servic | e Commiss | HOG. |

(1) Available only on a channel of a 1.544 Mbps facility to a Telephone Company Hub.

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Access Services Tariff Section 7 Original Sheet 40

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

- DEC 29 1083
- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
- 7.2.1 Analog Services-(Continued)

Public Service Commission

- B. Voice Grade Services-(Continued)
 - 7. Voice Grade 7 (VG7) Special Access Service-(Continued)
 - d. Transmission Performance-(Continued).
 - Echo Control-(Continued)

Effective Two-Wire Transmission

(Four-wire interface at the IC terminal location and two-wire interface at the End User's premises.)

| | Echo | Singing |
|-------------------------|-------------|-------------|
| | Return Loss | Return Loss |
| Standard Return Loss | | |
| (at Two-Wire Interface) | 5 dB | 2.5 dB |
| Improved Return Loss | | · |
| (at Two-Wire Interface) | 13 dB | 8 dB |
| Four-Wire Interface | 16 dB | 11 dB |
| (Equal Level Echo | | |
| Path Loss) | | |

(For Centrex application, 2 dB pad is "in")

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

MAR 29 1993

7.2.8 High Capacity Service-(Continued)

MISSOURI Public Service Commission

(AT) E. Optional Features, BSEs and Functions-(Continued)

(AT) 5. Extended Superframe Format BSE

Extended Superframe Format is an optional feature that passes a customer provided framing format for 1.544 Mbps High Capacity service. Extended Superframe Format extends the customer's 1.544 Mbps framing structure from 12 to 24 frames and divides the 8 kbps 193rd bit position pattern into three distinct functionalities: 2 kbps for frame synchronization, 2 kbps for cyclic redundancy checking, and 4 kbps used primarily to send performance monitoring information over the Facilities Data Link.

6. Power Over The Interface

Power Over the Interface is an optional feature available with the installation of 1.544 Mbps High Capacity service. This option provides line power to the Customer's Premises Equipment, enabling the customer to benefit from uninterrupted service if a commercial power failure occurs.

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Effective:

APR 1 1 1993

Access Services Tariff Section 7 1st Revised Sheet 40.01 Replacing Original Sheet 40.01 RECEIVED

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

APR 2 0 1990

7.2 Service Descriptions-(Continued)

MISSOURI Public Service Commission

- 7.2.8 High Capacity Service-(Continued)
 - E. Optional Features and Functions-(Continued)

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(TA)

5. Extended Superframe Format

Extended Superframe Foramt is an optional feature that passes a customer provided framing format for 1.544 Mbps High Capacity service. Extended Superframe Format extends the customer's 1.544 Mbps framing structure from 12 to 24 frames and divides the 8 kbps 193rd bit position pattern into three distinct functionalities: 2 kbps for frame synchronization, 2 kbps for cyclic redundancy checking, and 4 kbps used primarily to send performance monitoring information over the Facilities Data Link.

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Section 7
Original Sheet 40.01

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7. SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

7.2.8 High Capacity Service-(Continued)

MISSOURI
Public Service Commission

E. Optional Features and Functions-(Continued)

The following table shows the technical specifications packages with which the optional features and functions are available.

| | | Available with Technical Specifications Package HC- | | | | |
|---|---|---|-----------|--------------------------------|---------------------------------------|--------------------|
| | ō | 1 | <u>1C</u> | <u>2</u> | <u>3</u> | <u>4</u> |
| Automatic Loop Transfer | | x | | | | |
| Central Office Multiplexing: DS4 to DS1 DS3 to DS1 DS2 to DS1 DS1C to DS1 DS1 to Voice DS1 to DS0 DS0 to Subrate(1) Transfer Arrange- | x | X X | x | x | x | x |
| ment | | X | | | | |
| Clear Channel Capability | | X | | CAN | CELLE | . U |
| | | | Put | JUN BY C Dlic Serv M! | 6 1990 FR.S.H rice Con SSOUR | 140.01 nmission |

(1) Available only on a channel of a 1.544 Mbps facility to a Telephone Company Hub.

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Effective: MAR 2 6 1990

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ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Service Descriptions-(Continued)
 - 7.2.8 High Capacity Service-(Continued)
 - E. Optional Features, BSEs and Functions-(Continued)

The following table shows the technical specifications packages with which the optional features, BSEs and functions are available.

| | | | Specifications Package HC- | |
|---|----------|----------|----------------------------|------|
| | <u>0</u> | <u>1</u> | <u>3</u> | |
| Transfer Central Office Multiplexing: | | Х | | |
| DS3 to DS1 | | | X | |
| DSI to Voice DSI to DSO | | X X | | |
| DSO to Subrate(1)(3) Transfer Arrange- | | Χ | | (CP) |
| ment Clear Channel | | Χ | | |
| Capability | | Χ | | |
| Extended Superframe Format Power Over the | | Χ | | |
| Interface(2) | | Χ | | |
| | | | | |

Available with Technical

- (1) Available only on a channel of a I.544 Mbps facility to a Telephone Company
 Hub or on a DS0 channel that connects to a customer's Network Reconfiguration Service (NRS) Network that
 contains a DS1 channel.
- (2) Obsolete, and limited to existing installations at existing locations, for existing customers.
- (3) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. (AT) In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

Issued: May 28, 2021 Effective: June 30, 2021

P.S.C. Mo. - No. 36 ACCESS SERVICES TARIFF

Southwestern Bell Telephone Company d/b/a AT&T Missouri Section 7 7th Revised Sheet 41 Replacing 6th Revised Sheet 41

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Service Descriptions-(Continued)
 - 7.2.8 High Capacity Service-(Continued)
 - E. Optional Features, BSEs and Functions-(Continued)

The following table shows the technical specifications packages with which the optional features, BSEs and functions are available.

Available with Technical Specifications Package HC-

<u>0</u> <u>1</u> <u>3</u>

(RT)

Transfer X
Central Office
Multiplexing:

DS3 to DS1 X

DSI to Voice Χ DSI to DSO Χ Χ DSO to Subrate(1) Transfer Arrangement Χ Clear Channel Χ Capability **Extended Superframe Format** Χ Power Over the Interface(2) Χ

- (1) Available only on a channel of a I.544 Mbps facility to a Telephone Company
 Hub or on a DS0 channel that connects to a customer's Network Reconfiguration Service (NRS) Network that
 contains a DS1 channel.
- (2) Obsolete, and limited to existing installations at existing locations, for existing customers.

Issued: November 9, 2011

CANCELLED June 30, 2021 Missouri Public Service Commission JI-2021-0210 By JOHN SONDAG, President - Missouri St. Louis, Missouri Effective: December 9, 2011
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JI-2012-0208

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ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.8 High Capacity Service-(Continued)
- E. Optional Features, BSEs and Functions-(Continued)

The following table shows the technical specifications packages with which the optional features, BSEs and functions are available.

Available with Technical

| | | | Specifications Package HC | _ |
|---------------------------------|----------|----------|---------------------------|---|
| | <u>0</u> | <u>1</u> | <u>3</u> | |
| Automatic Loop Transfer | | X | | |
| Central Office Multiplexing: | | | | |
| DS3 to DS1 | | | X | |
| DSI to Voice | | X | | |
| DSI to DSO | | X | | |
| DSO to Subrate(1) | X | | | |
| Transfer Arrange- | | | | |
| ment | | X | | |
| Clear Channel | | | | |
| Capability | | X | | |
| Extended Superframe | | | | |
| Format | | X | | |
| Power Over the | | | | |

- (l) Available only on a channel of a 1.544 Mbps facility to a Telephone Company
- (AT) Hub or on a DS0 channel that connects to a customer's Network Reconfiguration Service (NRS) Network that contains a DS1 channel.

X

- (AT) (2) Obsolete, and limited to existing installations at existing locations, for
- (AT) existing customers.

Interface(2)

(CP)

Issued: August 26, 1994 Effective: September 26, 1994

Access Services Tariff
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Replacing 4th Revised Sheet 41

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

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7.2.8 High Capacity Service-(Continued)

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Public Service Commission

E. Optional Features, BSEs and Functions-(Continued)

The following table shows the technical specifications packages with which the optional features, BSEs and functions are available.

| | | | | | with Technical ions Package HC- |
|------|--|----------|---|----------|---------------------------------------|
| (RT) | | <u>0</u> | 1 | 3 | |
| | Automatic Loop Transfer | | X | | |
| | Central Office Multiplexing: | | | | |
| (RT) | DS3 to DS1 | | | X | CANCELLED |
| (RT) | DS1 to Voice | | X | | SEP 261994 # 41 |
| | DS1 to DS0 DSO to Subrate(1) Transfer Arrange- | X | Х | | TI R. Commission |
| | ment Clear Channel | | X | | Public Service Commission MISSOURI |
| 8 | Capability Extended Superframe | | X | | |
| _ | Format Power Over the | | X | | |
| | Interface | | X | | |

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(1) Available only on a channel of a 1.544 Mbps facility to a TelephoneMISSOURI
Company Hub.

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Effective: SEP 2 7 1993

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SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

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7.2.8 High Capacity Service-(Continued)

MISSOURI Public Service Commission

(AT) E. Optional Features, BSEs and Functions-(Continued)

The following table shows the technical specifications packages with which the optional features, BSEs and functions are available.

| | | | | | h Techn is Packa | |
|---------------------|----------|----------|-----------|------------|---------------------|--|
| | <u>0</u> | <u>1</u> | <u>1C</u> | 2 | 3 | <u>4</u> |
| Automatic Loop | | | | | | |
| Transfer | | X | | | | |
| Central Office | | | | | | |
| Multiplexing: | | | | | | |
| DS4 to DS1 | | | | | | Х |
| DS3 to DS1 | | | | | X | |
| DS2 to DS1 | | | | X | | |
| DS1C to DS1 | | | X | | | |
| DS1 to Voice | | X | | | | |
| DS1 to DS0 | | X | | | | |
| DSO to Subrate(1) | X | | | | | |
| Transfer Arrange- | | | | | | |
| ment | | X | | | CANCE | TIEN |
| Clear Channel | | | | | | |
| Capability | | X | | | | - 1003 |
| Extended Superframe | | | | | e=02 | 2 1221 C |
| Format | | X | | | OF | 05 41 |
| Power Over the | | | | | 15m | Commiss |
| Interface | | X | | מ מונים | ic Service | 5 1997 R.S. # HI De Commiss SOURI |
| | | | | Pub | ₌ Wi≘ | ,50° |

(1) Available only on a channel of a 1.544 Mbps facility to a Telephone Company Hub.

Issued: MAR 2 6 1993

Effective:

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SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

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7.2.8 High Capacity Service-(Continued)

MISSOURI
Public Service Commission

E. Optional Features and Functions-(Continued)

(MT) The following table shows the technical specifications packages with which the optional features and functions are available.

| | | | ilable w | | | <u>.</u> |
|---|----------|-------------|------------------|-----------------|--------------|-------------|
| | <u>0</u> | <u>1</u> | <u>1C</u> | 2 | <u>3</u> | 4 |
| Automatic Loop Transfer | | x | | | | |
| Central Office Multiplexing: DS4 to DS1 DS3 to DS1 DS2 to DS1 DS1C to DS1 DS1 to Voice DS1 to DS0 | | X X | X | X | X | X |
| DSO to Subrate(1) Transfer Arrange- | X | | C | ANCE | LLED | |
| ment Clear Channel Capability Extended Superframe Format | | x x x | Public | APR 11 SY 上海 | 1993 R.S. | ⊬ ission |
| Power Over the Interface | | x | 1- 00 111 | MISS | OURI | |

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(1) Available only on a channel of a 1.544 Mbps facility to a Telephone Company Hub.

Issued: MAY 0 7 1990

Effective: JUN 0 6 1990

No supplement to this Access Services Tariff tariff will be issued Section 7 except for the purpose 2nd Revised Sheet 41 of canceling this tariff. Replacing 1st Revised Sheet 41 Original Sheet 41.01 1st Revised Sheet 42 2nd Revised Sheet 43 1st Revised Sheet 44 1st Revised Sheet 45 1st Revised Sheet 46 2nd Revised Sheet 47 Publicado Revased Shee 8 48 1st Revised Sheet 49 through 1st Revised Sheet 54 2nd Revised Sheet 55 CANCELLED through 2nd Revised Sheet 57

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4th Revised Sheet 58
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1st Revised Sheet 61
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2nd Revised Sheet 64
through
2nd Revised Sheet 67

(CP)ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

(AT) Information previously found in Section 7.3 may be found in the approved Technical Reference Publications.

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OCT 1, 1989

Public Service Commission

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Effective: OCT 1 1980

(CP)ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

7.3 Channel Interface and Network Channel Codes

This Section explains the channel interface codes and net wood with nel codes that the IC must specify when ordering Specifully Service Commission Included is an example which explains the specific characters of the code, a glossary of channel interface codes, impedance levels, network channel codes and compatible channel interfaces.

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Example: If the IC specifies an NT network channel code and a 2DC8-3 channel interface at the IC terminal location, it is requesting the following:

NT = Metallic channel with a predefined technical specification package

2 = Number of physical wires at IC terminal location

CANCELLED DC = Facility interface for direct current or voltage

8 = Variable impedance level

3 = Metallic facilities (DC continuity) for direct current/low-frequency control signals or slow-speed 1 data (30 baud)

7.3.1 Glossary of Channel Interface Codes and Options

| | - | 2 (3 5 | |
|------|-----|--|--|
| Glos | sar | y of Cha | nnel Interface Codes and Options Garrica Commission |
| Code | | Option Property of the Contract of the Contrac | nnel Interface Codes and Options Definition Definition |
| AB | - | | accepts 20 Hz ringing signal at IC point of termination |
| AC | - | | accepts 20 Hz ringing signal at End User's point of |
| | | | termination |
| | - | R | code selective multipoint ringing |
| AН | - | | analog high capacity interface |
| | - | В | 60 kHz to 108 kHz (12 channels) |
| | - | С | 312 kHz to 552 kHz (60 channels) |
| | - | D | 564 kHz to 3084 kHz (600 channels) |
| CT | - | | Centrex tie-trunk termination |
| DA | - | | data stream in VF frequency band at End User's point of |
| | | | termination |
| | - | S | sealing current source and sink provided by Southwestern |
| | | | Bell Telephone |
| DB | - | | data stream in VF frequency band at IC point of termination |
| | | | location |
| | - | 10 | VF for TG1 and TG2 |
| | - | 43 | VF for TG1 and TG2 VF for 43 telegraph carrier-type signals, TG1 and TG2 |
| | | |) JUL 1 1985 |
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St. Louis, Missouri

Issued: JUN 27 1986

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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- 7.2 Technical Service Descriptions for Special Access Service (Continued)
 - 7.2.1 Analog Services-(Continued)
 - B. Voice Grade Services-(Continued)

MESOURI Public Service Commission

- Voice Grade 7 (VG7) Special Access Service-(Continued)
 - Transmission Performance-(Continued)
 - Echo Control-(Continued) .

Effective Four-Wire Transmission

(Two-wire interface at the End User's premises.)

| | Echo Return Loss | Singing Return Loss |
|------------------------------|---------------------|------------------------|
| Two-Wire Interface | | |
| (Return Loss) | 24 dB | 18 dB |
| Four-Wire Interface | | |
| (Equal Level Echo Path Loss) | 20 dB | 14 dB |

Improved Return Loss

The Return Loss (RL), expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), on two-wire ports of a four-wire point of interface shall be equal to or greater than:

| Stan | dard | | | Imp | oved | RL |
|------|------|----|---|-----|------|----|
| ERL | | | • | | 20 | |
| SRL | 2.5 | ďΒ | | SRL | 13.5 | ďΒ |

Loss Variation

The long term loss variation from the nominal 1004 Hz EML shall not exceed +1.5 dB.

Attenuation Distortion

The attenuation distortion between 404 Hz and 2804 Hz shall be within -1.0 dB and +2.0 dB with reference to 5 the loss at 1004 Hz (minus equals less loss, plus equals more loss). The attenuation between 304 Hz and 3004 Hz shall be within -1.0 dB and+5 0 dB.

1986 - Signal-to-C Notch NoisHL 1

The Signal-to-C Notch hoisecratio shall not be less PUBLIC SERVICE COMMISSION than 30 dB.

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Effective: JAN 0 1 1984

P.S.C. Mo. - No. 36 **ACCESS SERVICES TARIFF**

Southwestern Bell Telephone Company d/b/a AT&T Missouri

Section 7 3rd Revised Sheet 41.1 Replacing 2nd Revised Sheet 41.1

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

(RT)

7.2 Service Descriptions-(Continued)

CANCELLED - Missouri Public Service Commission - 05/01/2024 - TN-2024-0278 - JI-2024-0140

Issued: July 19, 2012 Effective: August 18, 2012

Access Services Tariff Section 7

(CP)ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

JUN 27 1986

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7.3 Channel Interface and Network Channel Codes-(Continued)

7.3.1 Glossary of Channel Interface Codes and Options (Continued) Commission

| Code | <u>Option</u> | Definition |
|------|---------------|---|
| DC - | | direct current or voltage |
| - | 1 | monitoring interface with series RC combination (McCulloh format) |
| - | 2 | Telephone Company-energized alarm channel |
| - | 3 | Metallic facilities (DC continuity) for direct current/low-frequency control signals or slow-speed data (30 baud) |
| DD - | | DATAPHONE Select-A-Station (and TABS) interface at IC point of termination |
| DE - | | DATAPHONE Select-A-Station (and TABS) interface at the End User's point of termination |

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Public Service Commission

Issued: JUN 27 1986

Effective:

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ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)

Issued: July 19, 2012 Effective: August 18, 2012

Access Services Tariff
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Replacing 1st Revised Sheet 42

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

(AT) 7.2.9 DovLink Service-(Continued)

C. Channel Interfaces

The following channel interfaces (CI) define the bit rates that are available for a DovLink channel:

| CI | Bit Rate |
|---------|----------|
| 02DV5BA | 2.4 kbps |
| 02DV5BB | 4.8 kbps |
| 02DV5BC | 9.6 kbps |

D. Optional Features and Functions

Only those MegaLink Data Service Optional Features and Functions listed below are available with DovLink Service.

(1) Central Office Bridging Capability

Central office bridging connects three or more customer-designated premises in a multipoint arrangement.

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(CP) ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

- JUN 27 1986
- 7.3 Channel Interface and Network Channel Codes-(Continued)
 - 7.3.1 Glossary of Channel Interface Codes and Options (Continued)

| Gloss | sary | 7 of Cha | Public Service Commission |
|-------|----------|----------|--|
| Code | <u>(</u> | Option | Definition Definition |
| DS | _ | | digital hierarchy interface |
| | - | 15 | 1.544 Mbps (DS1) format per PUB 41451 plus D4 |
| | - | 15E | 8-bit PCM encoded in one 64 kbps of the DS1 signal |
| | - | 15F | 8-bit PCM encoded in two 64 kbps of the DS1 signal |
| | - | 15G | 8-bit PCM encoded in three 64 kbps of the DSl signal |
| • | - | 15H | 14/11-bit PCM encoded in six 64 kbps of the DS1 signal |
| | - | 15J | 1.544 Mbps format per PUB 41451 |
| | - | 15K | 1.544 Mbps format per PUB 41451 plus extended framing |
| | | | format |
| | - | 15L | 1.544 Mbps (DS1) with SF signaling |
| | - | 27 | 274.176 Mbps (DS4) |
| | - | 27L | 274.176 Mbps (DS4) with SF signaling |
| | - | 31 | 3.152 Mbps (DS1C) |
| | - | 31L | 3.152 Mbps (DS1C) with SF signaling |
| | - | 44 | 44.736 Mbps (DS3) |
| | - | 44L | 44.736 Mbps (DS3) with SF signaling |
| | - | 63 | 6.312 Mbps (DS2) |
| | - | 63L | 6.312 Mbps (DS2) with SF signaling |

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Effective: JUL 1 1000

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)
 - Voice Grade Services-(Continued)
 - Voice Grade 7 (VG7) Special Access Service-(Continued)
 - Transmission Performance-(Continued)
 - Envelope Delay Distortion

The Envelope Delay Distortion (EDD) shall not exceed 700 microseconds between 800 and 2600 Hz.

- Impulse Noise

The number of impulse noise counts exceeding a threshold of 67 dBrnCO in 15 minutes shall be less than 15.

- Intermodulation Distortion

The intermodulation distortion based upon the four tone method shall be such that R2 is not less than 33 dB and R3 not less than 40 dB.

- Phase Jitter

The phase jitter over 20-300 Hz shall not exceed 5° peak-to-peak and over 4-300 Hz shall not exceed 10° peak-to-peak.

- Frequency Shift

The frequency shift shall exceed +1 Hz.

JUL 1 1986

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Access Services Tariff
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ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)

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Access Services Tariff Section 7 4th Revised Sheet 43 Replacing 3rd Revised Sheet 43

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.2 Service Descriptions-(Continued)

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(AT) 7.2.10 Business Video Service

A. Basic Channel Description

Business Video Service provides a video channel with two-way transmission capability for a standard 525-line/60-field monochrome, or National Television Systems Committee (NTSC) color, System M video signal. This service includes one associated audio signal in the 7 kHz range. Business Video Service is available for local channels and for associated interoffice channels.

Business Video Service may consist of one Business Video Channel termination at one end of a two-point circuit and a High Capacity (DS1) channel termination (as set forth in Paragraph 7.2.8) at the other end of the two-point circuit. This service will include the ancillary sale of one 4.8 kbps and one 9.6 kbps MegaLink Data Service channel.

Business Video Service provides for two-way compressed video/audio service on a two-point basis. Business Video is suitable for teleconferencing which connects two groups at different locations.

Business Video Service may be provided between two customer-designated premises. Two types of service are offered, Business Video I and Business Video II.

Business Video I

broadcast quality video, but has less stringent technical parameters and it has some noticeable motion impairment. The bandwidth for Business Video I is 384 kbps.

Business Video II

Business Video II is a digital channel capable of two-way two-point video/audio transmission. This video service is visually comparable to broadcast quality video, but has less stringent technical parameters. The bandwidth for Business Video II is 1.544 Mbps.

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SPECIAL ACCESS SERVICE-(Continued)

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7.3 Channel Interface and Network Channel Codes-(Continued)

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7.3.1 Glossary of Channel Interface Codes and Options- Public Service Commission

| Code 0 | ption | Definition |
|-------------------------------|----------|---|
| - UA - - - - - | 56 | digital access interface 2.4 kbps 4.8 kbps 56.0 kbps 9.6 kbps 1.544 Mbps format per PUB 41451 1.544 Mbps format per PUB 41451 plus D4 1.544 Mbps format per PUB 41451 plus extended |
| DX - | | framing format duplex signaling interface at IC POT |
| DY - | | duplex signaling interface at End User's POT |
| EA - E | | Type I E&M Lead Signaling. IC at POT or End User at POT originates on E Lead. |
| EA - M | 1 | Type I E&M Lead Signaling. IC at POT or End User at POT originates on M Lead. |
| EB - E | 2 | Type II E&M Lead Signaling. 1C at POT or End User at POT originates on E Lead. |
| EB - M | í | Type II E&M Lead Signaling. IC at POT or End User at POT originates on M Lead. |
| EC - | | Type III E&M signaling at IC terminal POT |
| EX - A | A | tandem channel unit signaling for loop start or ground start and IC supplies open end (dial tone, etc.) functions. |
| EX - P | 3 | tandem channel unit signaling for loop start or ground start and IC supplies closed end (dial tone, etc.) functions. |

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)
 - B. Voice Grade Services-(Continued)

7. Voice Grade 7 (VG7) Special Access Service-(Continue 2blic Service Commission

e. Available Facility Interface Combinations

VG7 is available only with specific facility interface combinations as set forth in Paragraph 7.2.1, B.14., following.

- 8. Voice Grade 8 (VG8) Special Access Service
 - a. Description

Special Access Service VG8 provides a channel for voiceband data transmission capability. Usable frequencies are nominally 300 to 3000 Hz between an IC terminal location and an End User's premises. The standard transmission interface at the End User's premises is two-wire or four-wire and the IC terminal location interface is four-wire. This service will support effective four-wire transmission.

Illustrative Application

Special Access Service VG8 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as:

- SSN Access Line
- SSN Station Line
- c. Optional Features

- C-Condition Might Library of the Condition of the Condi

acceptable to the Telephone Company.

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
- 7.2.1 Analog Services-(Continued)

Public Service Commission

- Voice Grade Services-(Continued)
 - 7. Voice Grade 7 (VG7) Special Access Service-(Continued)
 - e. Available Facility Interface Combinations

VG7 is available only with specific facility makeriage Combinations as set forth in Paragraph 7.2.1, 14., following. OCT 15 1984

- 8. Voice Grade 8 (VG8) Special Access Service
 - a. Description

Special Access Service VG8 provides a channel for voiceband data transmission capability. Usable frequencies are nominally 300 to 3000 Hz between an IC terminal location and an End User's premises. The standard transmission interface at the End User's premises is two-wire or four-wire and the IC terminal location interface is four-wire. This service will support effective four-wire transmission.

b. Illustrative Application

Special Access Service VG8 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as:

- SSN Access Line
- SSN Station Line
- c. Optional Features
 - C-Conditioning
 - IC specified End User's premises receive level withi acceptable to the Telephone Company for effective transmission.

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7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

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SPECIAL ACCESS SERVICE~(Continued)

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7.2 Service Descriptions-(Continued)

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- (AT) 7.2.10 Business Video Service-(Continued)
 - A. Basic Channel Description-(Continued)

The customer must provide the customer premises equipment at each end of the two-point network, such as cameras, monitors, audio and graphics equipment.

B. Technical Specifications Packages

The technical specifications are set forth in the Technical References listed in Paragraph 7.2, preceding.

C. Channel Interfaces

The following channel interfaces (CIs) define the bandwidth and the provision of the audio signal(s) associated with Business Video channels:

CI 14TV6-7 Audio Bandwidth 7kHz

Provision 2-Way (Transport)

Compatible channel interfaces are set forth in the Technical References listed in Paragraph 7.2, preceding.

- D. Optional Features and Functions
 - 1. Split Screen Capability

This allows three separate areas of the room to be viewed simultaneously, or two areas and one graphics view. The bandwidth is split between the monitors providing less than a full screen view on each monitor.

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SPECIAL ACCESS SERVICE-(Continued)

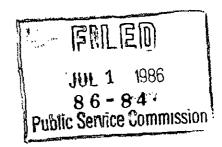
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7.3 Channel Interface and Network Channel Codes-(Continued)

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7.3.1 Glossary of Channel Interface Codes and Options - Public Senice Commission

| Code | | Option | Definition |
|------|---|--------|---|
| GO | - | | ground-start loop signaling - open-end function by IC or End User |
| GS | - | | ground-start loop signaling - closed-end function by IC or End User |
| | - | C | Centrex CO FX Termination |
| | _ | М | Southwestern Bell Telephone CO TAS Concentrator |
| IA | | | E.I.A. (25 pin RS-232) |
| LA | - | | End User's loop-start loop signaling - Type A OPS registered port open end |
| LB | - | | End User's loop-start loop signaling - Type B OPS registered port open end |
| LC | - | | End User's loop-start loop signaling - Type C OPS registered port open end |
| LO | - | | loop-start loop signaling - open-end function by IC or End User |
| LR | - | | 20 Hz automatic ringdown interface at IC with Telephone Company-provided PLAR |
| LS | - | | loop-start loop signaling - closed-end function by IC or End User |
| | - | M | Southwestern Bell Telephone CO TAS Concentrator |



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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services (Continued)

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- B. Voice Grade Services-(Continued)
 - 8. Voice Grade 8 (VG8) Special Access Service-(Continued)
 - c. Optional Features-(Continued)
 - Improved return loss at four-wire point of interface, applicable to each two-wire leg of effective four-wire channel.
 - d. Transmission Performance
 - C-Message Noise

The C-Message Noise shall be less than:

| | | <u>Limit (d</u> | BrnCO)(1) |
|-----------|-------------|-----------------|-----------|
| Channel M | ileage (mi) | Type Vl | Type V2 |
| 0 - | 50 | 32 | 38 |
| 51 - | 100 | 33 | 39 |
| 101 ~ | 200 | 35 | 41 |
| 201 - | 400 | 37 | 43 |
| 401 - | 1000 | 39 | 45 |

- Echo Control

Echo Control, identified as Equal Level Echo Path Loss at four-wire interfaces or Return Loss at two-wire interfaces, and expressed as Echo Return Loss and Singing Return Loss, at either the End User sprimmes or IC terminal location shall be not less than the following limits:

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(1) Where facility network conditions will support the parameters, Type V1 will be provided. Where the Type V1 parameters cannot be supported, Type V2 will be provided.

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SPECIAL ACCESS SERVICE-(Continued)

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7.3 Channel Interface and Network Channel Codes-(Continued)

Public Service Commission

7.3.1 Glossary of Channel Interface Codes and Options-(Co

| Code | | Option | Definition |
|-------|---|--------|--|
| NO | _ | | no signaling interface, transmission only |
| | - | S | sealing current source provided by Southwestern |
| | | | Bell Telephone, sink provided by customer |
| PG | _ | | program transmission - no dc signaling |
| | - | 1 | nominal frequency from 50 to 15,000 Hz |
| | - | 3 | nominal frequency from 200 to 3,500 Hz |
| | - | 5 | nominal frequency from 100 to 5000 Hz |
| | - | 8 | nominal frequency from 50 to 8,000 Hz |
| PR | - | | <pre>protective relaying(1)</pre> |
| RV | - | 0 | reverse battery signaling, one-way |
| | | | operation, originate by IC |
| | - | T | reverse battery signaling, one-way opera- |
| | | | tion, terminate function by IC or End User |
| SF | _ | | single frequency signaling within VF band at |
| | | | either IC POT or End User's POT |
| TT | - | | telegraph/teletypewriter interface at either |
| | | | IC POT or End User's POT |
| | ~ | 2 | 20.0 milliamperes |
| | _ | 3 6 | 3.0 milliamperes |
| £ 7.A | _ | ь | 62.5 milliamperes |
| WA | _ | 7 | wideband bandwidth interface at End User's POT limited bandwidth |
| | _ | 1 2 | nominal passband from 29,000 to 44,000 Hz |
| WB | _ | 2 | wideband data interface at IC POT |
| "" | _ | 185 | 18.75 kbps, synchronous |
| | _ | 19A | up to 19.2 kbps asynchronous |
| | - | 195 | 19.2 kbps synchronous |
| | _ | 23A | up to 230.4 kbps, asynchronous |
| | _ | 235 | 230.4 kbps, synchronous |
| | - | 405 | 40.8 kbps, synchronous |
| | - | 50A | up to 50.0 kbps, asynchronous |
| | - | 50S | 50 0 kbns, synchronous |
| | | | Ĵ ĴMF T 1900 |
| | | | 86-84 |

(1) Available only for the transmission of audio tone protective relaying ommission signals used in the protection of electrical power systems during fault conditions.

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- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
- 7.2.1 Analog Services-(Continued)

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B. Voice Grade Services-(Continued)

- 8. Voice Grade 8 (VG8) Special Access Service-(Continued)
 - Transmission Performance-(Continued)
 - Echo Control-(Continued)

Effective Four-Wire Transmission

(Two-wire interface at the End User's premises).

| | Eci Returi | no n Loss | Sing Return | ging 1 Loss |
|---------------------------|---------------|--------------|----------------|----------------|
| Two-Wire Interface | | - | | . — |
| (Return Loss) | 24 | dB | 18 | dВ |
| Four-Wire Interface | 20 | ₫₿ | 14 | dВ |
| (Equal Level Echo Path | | • | | |
| Loss) | | • | | |
| (For Centrex application, | | | | |
| 2 dB pad is "in") | | | | |

- Improved Return Loss

The Return Loss (RL), expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), on two-wire ports of a four-wire point of interface shall be equal to or greater than:

> AND SRI 13.5 dB Standard RL

- Loss Variation

JUL 1 1986 ----The long term loss variation from the nominal 1004 EML shall not exceed +1.82 HR

- Attenuation Distortion OF MISSOURI

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The attenuation distortion between 404 Hz and 2804 Hz shall be within =1.0 dB and 12.0 dB and 12.0 dB and 13.0 dB be within -1.0 dB and +2.0 dB with reference to the loss at 1004 Hz (minus equals less loss, plus equals more loss). The attenuation distortion between 304 Hz and 3004 Hz shall be within -1.0 dB and +5.0 dB.

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- SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)
 - B. Voice Grade Services-(Continued)

- Public Service Commission
- 8. Voice Grade 8 (VG8) Special Access Service-(Continued)
 - d. Transmission Performance-(Continued)
 - Signal-to-C Notch Noise

The Signal-to-C Notch noise ratio shall not be less than 32 dB.

- Envelope Delay Distortion

The Envelope Delay Distortion (EDD) shall not exceed 700 microseconds between 800 and 2600 Hz.

- Impulse Noise

The number of impulse noise counts exceeding a threshold of 67 dBrnCO in 15 minutes shall be less than 15.

- Intermodulation Distortion

The intermodulation distortion based upon the four tone method shall be such that R2 is not less than 45 dB and R3 not less than 48 dB.

- Phase Jitter

The phase jitter over 20-300 Hz shall not exceed 4° peak-to-peak and over 4-300 Hz shall not exceed 9° peak-to-peak.

- Frequency Shift

The frequency shift shall not exceed ±1 Hz.

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SPECIAL ACCESS SERVICE-(Continued)

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7.3 Channel Interface and Network Channel Codes-(Continued)

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7.3.3 Digital Hierarchy Channel Interface Codes (4DS)

This interface is available to customers that select—the maltiplexed four-wire DSX-l or higher facility interface option at the customer-designated premises and provide subsequent system and channel assignment data. The various digital bit rates in the digital hierarchy employ the channel interface code 4DS9, 4DSO or 4DS6 plus the speed options indicated below:

| Interface Code and Speed Option | Nominal Bit Rate (Mbps) | Digital Hierarchy Level |
|------------------------------------|----------------------------|----------------------------|
| 4DS8-15 | 1.544 | DS1 |
| 4DS9-31 | 3.152 | DS1C |
| 4DSO-63 | 6.312 | DS2 |
| 4DS6-44 | 44.736 | DS3 |
| 4DS6-27 | 274.176 | DS4 |

7.3.4 Service Designator/Network Channel Code Conversion Table

The purpose of this table is to show the relationship between the service designator codes (e.g. VGC, MT2, etc.) and the network channel codes that are used for:

| Service Designator | Network Channel | |
|--------------------|-------------------------|-----------|
| Code | Code | |
| MTC | MQ | |
| MT1 | NT | |
| MT2 | NU | |
| MT3 | NV | |
| TGC | NQ | |
| TG1 | NW | |
| TG2 | ΝΥ | |
| VGC . | LQ | . |
| VG1 | | • |
| VG2 | te francis | |
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- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service $\frac{1}{2}$ (Con
 - 7.2.1 Analog Services-(Continued)
 - B. Voice Grade Services-(Continued)

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8. Voice Grade 8 (VG8) Special Access Service-(Continued) #1100UKI Public Service Commission

Available Facility Interface Combinations

VG8 is available only with specific facility interface combinations as set forth in Paragraph 7.2.1, B.14., following.

- 9. Voice Grade 9 (VG9) Special Access Service
 - a. Description

Special Access Service VG9 provides a channel for voiceband data transmission capability. Usable frequencies are nominally 300 to 3000 Hz between an IC terminal location and another IC terminal location or a Telephone Company Central office which serves as an SSN Switch. The transmission interface at the End User's premises or Telephone Company Central Office is four-wire and the IC terminal location interface is four-wire. This service will support effective four-wire transmission.

b. Illustrative Application

Special Access Service VG9 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as SSN Network Trunks.

- c. Optional Features
 - C-Conditioning
 - IC specified End User premises receive level within a range acceptable many.

loss at four-wire point of interface, appli-- Improved return wire leggof effective four-wire channel cable to each tw

> PUBLIC SERVICE COMMISSION OF MISSOURI

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By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

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ACCESS SERVICES

Public Service Commission

- SPECIAL ACCESS SERVICE-(Continued)
 - DEC 29 1233 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)
 - B. Voice Grade Services-(Continued)
 - 8. Voice Grade 8 (VG8) Special Access Service-(Continued)
 - e. Available Facility Interface Combinations

VG8 is available only with specific facility interface 15984 combinations as set forth in Paragraph 7.2.1, B.14.007 following. PUBLIC SERVICE COMMISSION OF MISSOUR

- 9. Voice Grade 9 (VG9) Special Access Service
 - Description

Special Access Service VG9 provides a channel for voiceband data transmission capability. Usable frequencies are nominally 300 to 3000 Hz between an IC terminal location and another IC terminal location or a Telephone Company Central office which serves as an SSN Switch. The transmission interface at the End User's premises or Telephone Company Central Office is four-wire and the IC terminal location interface is four-wire. This service will support effective four-wire transmission.

Illustrative Application

Special Access Service VG9 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as SSN Network Trunks.

- Optional Features
 - C-Conditioning
 - IC specified End User premises receive level within all range acceptable to the Telephone Company for effective four-wire transmission.

- Improved return loss at four-wire point of interface, applicable to each two-wire leg of effective four-wire channel.

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7.3 Channel Interface and Network Channel Codes-(Continued) IRUCZZIM 7.3.4 Service Designator/Network Channel Code Conversion Table-(Continued)

| VG3 VG4 VG5 VG5 VG6 VG7 VG8 VG7 VG8 VG9 VG9 VG10 VG10 VG11 VG11 VG12 VGW SE (standard) SF (improved) APC AP1 AP2 AP3 AP4 AP3 AP4 WA1 WA1 WA1 WA1 WA1 WA2 WA2 WA2 WA2 WA3 WA4 WA3 WA4 WA3 WA4 WA4 WD1 WD2 WB WD2 WB WD3 DA1 DA2 DA3 DA4 HC0 HC1 HC1 HC2 HC3 HC4 HC6 HC1 HC6 HC7 | | Service Designator Code | Network Channel Code |
|--|------|-------------------------|--|
| VC5 VC6 VC7 LH VC8 VC9 LK VC9 LK VC9 LIN VC11 LP VC12 LR (AT) VCW SE (standard) (AT) APC PQ AP1 AP2 AP2 AP3 AP4 PK WA1 WA1 WA1T WA1 WA1 WA2 WA1 WA2A WA2A WA3 WA3 WA4 WA9 WD1 WD2 WE WD3 WA4 WD1 WD2 WE WD3 WA4 WD1 WD2 WE WD3 WA4 WP WD3 WA4 WP WD3 WA4 WP WD3 WA4 WP WD1 WB WCC WCC WCC WCC WCC WCC WCC WCC WCC | | | |
| VG6 VG7 VG8 VG9 VG10 LK VG11 LP VG12 LR VG12 LR VGW SE (standard) (AT) VGW SE (improved) APC AP1 APC AP1 AP2 PF AP2 AP3 AP4 WA1 WA1 WA1 WA1 WA1 WA1 WA1 WA1 WA1 WA2 | | | LE |
| VG7 VG8 VG9 VG10 VG10 VG11 VG11 VG12 IR VG12 IR (AT) VGW SE (standard) SF (improved) APC PQ AP1 AP2 AP1 AP2 AP3 AP4 PK WA1 WA1 WA1 WA1T WA2 WA2 WA2 WA2 WA3 WA4 WA4 WA4 WA4 WA5 WA4 WA5 WA5 WA6 WA6 WA6 WA6 WA7 WA7 WA7 WA7 WA8 WA8 WA8 WA8 WA8 WA9 | | | LF |
| VC8 | | | |
| V69 V610 V611 V612 LP V612 LR V612 LR (AT) V6W SE (standard) SF (improved) APC APC AP1 APC AP1 AP2 AP3 AP4 AP4 AP4 WA1 WA1T WA1 WA1T WA2 WA2 WA2 WA2 WA3 WA4 WA3 WA4 WA5 WA4 WA5 WA5 WA6 WA6 WA7 WA7 WA7 WA7 WA8 | | | LH |
| VG10 VG11 VG11 VG12 LR VGW SE (standard) (AT) VGW SF (improved) APC APC AP1 AP2 AP3 AP4 PF AP3 AP4 WA1 WA1T WA2 WA2 WA2A WA2A WA3 WA4 WA4 WD1 WD1 WD2 WE WD0 DA1 DA2 DA3 DA4 HC0 HC1 HC0 HC2 HC3 HC6 HC1 HC2 HC6 HC1 HC6 HC6 HC7 HC6 HC7 HC6 HC7 HC6 HC7 | | | LJ |
| VG11 VG12 IR VG12 IR (AT) VGW SE (standard) SF (improved) APC APC AP1 APC AP1 AP2 AP3 AP4 AP4 AP4 WA1 WJ WA1T WA2 WA2 WA2 WA2 WA2 WA2 WA2 WA2 WA2 WA3 WA3 WA4 WA9 WA4 WP WD1 WD1 WB WD2 WE WD3 DA1 DA2 DA3 DA4 DA2 DA3 DA4 DA4 DA4 DA4 DA5 DA4 DA5 DA4 CC HC1 HC0 HC1 HC1 HC1 HC2 HC3 HF OCT 16 1987 | | VG9 | LK |
| VG11 VG12 LR VGW SE (standard) SF (improved) APC APC AP1 APC AP1 AP2 AP3 AP4 WA1 WJ WA1T WA2 | | VG10 | LN |
| VG12 | | VG11 | LP |
| (AT) VGW SE (standard) APC PQ AP1 PE AP2 PF AP3 PJ AP4 PK WA1 WJ WA1T WQ WA2 WL WA2A WR WA3 WN WA4 WP WD1 WB WD2 WE WD3 DA1 XA DA2 XB DA3 XG DA4 XH HC0 HS HC1 HC2 HC3 HF WG (standard) SF (improved) PQ WT VAP | | | |
| (AT) VGW SF (improved) APC PQ AP1 PE AP2 PF AP3 PJ AP4 PK WA1 WJ WA1T WQ WA2 WL WA2A WR WA3 WN WA4 WP WD1 WB WD2 WE WD3 DA1 XA DA2 XB DA3 XG DA4 XH HC0 HS HC1 HC HD HC2 HC3 HF OCT 16 1987 | (AT) | | SE (standard) |
| APC AP1 AP2 AP3 AP3 AP4 WA1 WA1T WA2 WA2 WA2 WA3 WA4 WA4 WD1 WD1 WD2 WE WD3 DA1 DA3 DA3 DA4 HC0 HC1 HC1 HC2 HC3 AP3 PF AP4 PF AP5 PF AP7 PF AP8 PF A | (AT) | | |
| AP1 AP2 AP3 AP4 PK WA1 WA1T WA2 WA2A WA3 WA4 WD1 WD2 WD3 DA1 DA2 DA3 DA4 HC0 HC1 HC1 HC1 HC2 HC3 AP4 PF AP5 AP6 AP7 | | | |
| AP2 AP3 AP4 | | | PE |
| AP3 AP4 AP4 PK WA1 WA1 WJ WA1T WQ WA2 WL WA2A WR WA3 WN WA4 WP WD1 WB WD2 WE WD3 DA1 DA2 DA1 DA2 DA3 DA4 HC0 HC0 HC1 HC1 HC1 HC2 HC2 HE HC3 WF DCT 16 1987 | | | PF |
| AP4 WA1 WA1T WA2 WA2 WA2A WA3 WA4 WD1 WD2 WD3 DA1 DA2 DA3 DA4 HC0 HC1 HC1C HC2 HC3 WA1 WJ | | | |
| WA1 WA1T WA2 WA2 WA2A WA3 WA4 WA4 WD1 WD2 WE WD3 DA1 DA2 DA2 DA3 DA4 HC0 HC1 HC1C HC1 HC1C HC2 HC3 HC3 WI WQ WI WQ WI WR | | | |
| WA1T WA2 WA2 WA2A WA3 WA4 WA4 WP WD1 WB WD2 WE WD3 DA1 DA2 DA2 DA3 DA4 HC0 HC1 HC1C HC1 HC1C HC2 HC3 HC3 WIL WR | | | |
| WA2 WA2A WR WA3 WN WA4 WP WD1 WB WD2 WE WD3 DA1 DA2 DA3 DA4 HC0 HC1 HC1C HC1 HC1C HC2 HC3 WR | | | |
| WA2A WA3 WA4 WP WD1 WB WD2 WE WD3 DA1 DA2 DA2 DA3 DA4 HC0 HC1 HC1 HC1 HC1 HC1 HC1 HC2 HE HC3 WR | | | មា |
| WA4 WA4 WP WD1 WB WD2 WE WD3 DA1 DA2 DA2 DA3 DA4 HC0 HC1 HC1 HC1 HC1 HC1 HC2 HC3 HC7 | | | ענים |
| WA4 WD1 WB WD2 WE WD3 WF DA1 DA2 DA2 DA3 DA4 HC0 HC1 HC1 HC1 HC1 HC1 HC2 HE HC3 HF OCT 16 1987 | | | m). |
| WD1 WD2 WE WD3 WF DA1 DA1 XA DA2 XB DA3 XG DA4 HC0 HC1 HC1 HC1 HC1 HC1 HC2 HC3 HF OCT 16 1987 | | | WIN LID |
| WD2 WD3 WF DA1 DA1 XA DA2 XB DA3 XG DA4 HC0 HS HC1 HC1 HC1C HC1 HC2 HC2 HE HC3 HF OCT 16 1987 | | | |
| WD3 DA1 DA2 XB DA3 DA4 HC0 HC1 HC1C HC1C HC1C HC2 HC3 HC7 CT 16 1987 | _ | | |
| DA1 XA DA2 XB DA3 XG DA4 XH HC0 HS HC1 HC HC1C HD FILED HC2 HE HC3 HF OCT 16 1987 | | | |
| DA2 DA3 DA4 XH HC0 HS HC1 HC1C HC1C HC2 HC2 HC3 HC7 DA4 XH HC | | | |
| DA3 DA4 XH HC0 HS HC1 HC1C HC2 HC2 HC3 HF OCT 16 1987 | | | AA VD |
| DA4 HC0 HS HC1 HC1C HC1C HC2 HC2 HC3 HF OCT 16 1987 | | | |
| HC0 HC1 HC1C HC1C HC2 HE HC3 HF OCT 16 1987 | | | Λυ Vu |
| HC1 HC1C HC2 HC2 HC3 HF OCT 16 1987 | | | NI UC |
| HC1C HD FILED HE HC3 HF OCT 16 1987 | | | |
| HC2 HC3 HF 0CT 16 1987 | | | |
| HC3 HF OCT 16 1987 | | | THE STEEL ST |
| **** | | | |
| ΠΙ.Ψ Πίτ ΠΑ- Τ Δ Α | | | 77. |
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(CP)ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

7.3 Channel Interface and Network Channel Codes-(Continued) MISSOURI Public Service Commission

7.3.4 Service Designator/Network Channel Code Conversion Table (Continued)

| Service Designator | Network Channel | - |
|--------------------|-----------------|--|
| Code | Code | - |
| VG3 | LD | |
| VG4 | LE | |
| VG5 | LF | |
| VG6 | LG | |
| VG7 | LH | |
| VG8 | IJ | |
| VG9 | LK | |
| VG10 | LN | |
| VG11 | LP | |
| VG12 | LR | • |
| APC | PQ | |
| AP1 | PE | |
| AP2 | PF | |
| AP3 | РJ | |
| AP4 | PK. | |
| WA1 | ĹŴ | INCLL ED |
| WAIT | WQ | CANCELLED |
| WA2 | wĹ | |
| WA2A | WR | BANKS.#48 Bongle Commission |
| WA3 | | 2.12 5.490 |
| WA4 | WP | Bramission |
| WD1 | ₩B | blic Service Commission MISSOURI |
| WD2 | WE P | MISSOURI |
| WD3 | WE | Milos |
| DA1 | XA | |
| DA2 | XB | |
| DA3 | XG | |
| DA4 | XH | |
| нсо | HS | The state of the s |
| HC1 | HС | rem cm |
| HC1C | HD | ' FILED |
| HC2 | HE | |
| нс3 | HF \ | JUL 1 1986 |
| HC4 | HG K | |
| |)} | 86-84 |
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- SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)

Public Service Commission

- B. Voice Grade Services-(Continued)
 - 9. Voice Grade 9 (VG9) Special Access Service-(Continued)
 - d. Transmission Performance
 - C-Message Noise

The C-Message Noise shall be less than:

| | Limit (dBrnCO)(1) | | |
|----------------------|-------------------|---------|--|
| Channel Mileage (mi) | Type VI | Type V2 | |
| 0 - 50 | 32 | 38 | |
| 51 - 100 | 33 | 39 | |
| 101 - 200 | 35 | 41 | |
| 201 - 400 | 37 | 43 | |
| 401 - 1000 | 39 | 45 | |

- Improved Return Loss

The Return Loss (RL), expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), on two-wire ports of a four-wire point of interface shall be equal to or greater than:

| Stan | dard RL | Improved | RL |
|------|---------|----------|----|
| ERL | 5 dB | ERL 20 | ďΒ |
| SRL | 2.5 dB | SRL 13.5 | dΒ |

- Loss Variation

The long term loss variation from the nominal 1004 HZ EML shall not exceed +1.5 dB.

- Attenuation Distortion

The attenuation distortion between 404 Hz and 2804 Hz shall, be within -1.0 dB and +2.0 dB with reference to the loss at 1004 Hz and between 304 Hz and 3004 Hz shall occurrence.

-3.0 dB and 12.0 dB (minus equals less loss, plus equals more loss).

(1) Where facility network conditions will support the parameters, Type V1 will be provided. Where the Type V1 parameters \sumbedge \text{Supported}, Type V2 will be provided.

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SPECIAL ACCESS SERVICE-(Continued)

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7.3 Channel Interface and Network Channel Codes-(Continued)

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7.3.5 Compatible Channel Interfaces

The following tables show the interface codes (CI's) which are compatible:

A. Metallic

| Compatible CI's | | Compatible CI's | | |
|-----------------|--------|-----------------|--------|--|
| 4AH5-B** | 2DC8-1 | 4AH6-D** | 2DC8-2 | |
| 4AH5≁B** | 2DC8-2 | 2DC8-1 | 2DC8-2 | |
| 4AH6-C** | 2DC8-1 | 2DC8-3 | 2DC8-3 | |
| 4AH6-C** | 2DC8-2 | 4DS9≭ | 2DC8-1 | |
| 4AH6+D*** | 2DC8-1 | 4DS9* | 2DC8-2 | |

* 4DS9-15, 4DS9-31, 4DS0-63, 4DS6-44, 4DS6-27

Public Service Commission * Available to customers selecting the multiplexed four-wire high capacity analog channel interface option and providing subsequent system and channel assignment data.

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)

Public Service Commission

- B. Voice Grade Services-(Continued)
 - 9. Voice Grade 9 (VG9) Special Access Service-(Continued)
 - d. Transmission Performance-(Continued)
 - Signal-to-C Notch Noise

The Signal-to-C Notch noise ratio shall not be less than 34 dB.

- Envelope Delay Distortion
 The Envelope Delay Distortion (EDD) shall not exceed 700 microseconds between 800 and 2600 Hz.
- Impulse Noise

The number of impulse noise counts exceeding a threshold of 67 dBrnCO in 15 minutes shall be less than 15.

- Intermodulation Distortion

The intermodulation distortion based upon the four-tone method shall be such that R2 is not less than 50 dB and R3 not less than 54 dB.

- Phase Jitter

The phase jitter over 20-300 Hz shall not exceed 3° peak-to-peak and over 4-300 Hz shall not exceed 8° peak-to-peak.

- Frequency Shift

The frequency sheet well +1 Hz.

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- SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Channel Interface and Network Channel Codes-(Continued) JUN 27 1986
 - 7.3.5 Compatible Channel Interfaces-(Continued)
 - B. Telegraph Grade

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| Compatil | ole CI's | Compatil | ole_CI's_ | Compatib | le CI's |
|-----------|----------|-------------------|-----------|-----------|-----------|
| 10IA8 | 10 I A 8 | المستراح (١٦٢٧) | / TITLO / | 4DB2-43 + | 2TT2-2 |
| 4AH5-B*** | 10IA8 | 4AH6-D** | 4TT2-6 | 4DB2-43 + | 4TT2-2 |
| | | | | 4DB2-43 + | 4TT2-6 |
| | | | | 4DB2-43 + | 4DB2-43 + |
| 4AH5-B** | 2TT2-2 | 2DB2-10 | 101A8 | 4DS9* | 10IA8 |
| 4AH5-B** | 4TT2-2 | 2DB2-10 | 2TT2-2 | 4DS9* | 2TT2-2 |
| 4AH5-B☆☆ | 2TT2-6 | 2DB2-10 | 4TT2-2 | 4DS9* | 4TT2-2 |
| | | 2DB2-10 | 2TT2-6 | | |
| 4AH5-B** | 4TT2-6 | 2DB2-43 + | 10IA8 | 4DS9* | 2TT2-6 |
| 4AH6-C** | 10 IAS | 2DB2-43 + | 2TT2-2 | 4DS9* | 4TT2-6 |
| 4AH6-C** | 2TT2-2 | 2DB2-43 + | 2TT2-6 | 2TT2-2 | 2TT2-2 |
| 4AH6-C** | 4TT2-2 | 2DB2-43 + | 4TT2-2 | 2TT2-3 ++ | 2TT2-2 |
| | | 2DB2-43 + | 4TT2-6 | | |
| 4AH6-C** | 2TT2-6 | 4DB2-10 | 101A8 | 2TT2-3 ++ | - 4TT2-2 |
| 4AH6-C** | 4TT2-6 | 4DB2-10 | 2TT2-2 | 2TT2-6 | 2TT2-6 |
| 4AH6-D** | 10IA8 | 4DB2-10 | 4TT2-2 | 2TT2-6 | 4TT2-2 |
| ,,,,,,, | 201110 | 4DB2-10 | 2TT2-6 | 2112 0 | 411E E |
| 4AH6+D** | 2TT2-2 | 4DB2-43 + | 101A8 | 4TT2-2 | 4TT2-2 |
| 4AH6-D** | 4TT2~2 | 4DB2-43 + | 2TT2-6 | 4112 2 | 4112-2 |
| 4AH6-D** | | 4DDZ-43 T | 2112-0 | /.TT0_4 | /ጥጥን ረ |
| 4Mπ0-D"" | 2TT2-6 | | | 4TT2-6 | 4TT2-6 |
| | | | | | |

* 4DS9-15, 4DS9-31, 4DS0-63, 4DS6-44, 4DS6-27

Available to existing customers only.

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[🛣] Available to customers selecting the multiplexed four wire high capacaty analog channel interface option and providing subsequent system and channel assignment data.

Supplemental channel assignment information required. Public Service Commission

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ACCESS SERVICES

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- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service
 - 7.2.1 Analog Services-(Continued)
 - B. Voice Grade Services-(Continued)
 - 9. Voice Grade 9 (VG9) Special Access Service-(Continued)
 - Available Facility Interface Combinations

VG9 is available only with specific facility interface combinations as set forth in Paragraph 7.2.1, B.14., following.

- 10. Voice Grade 10 (VG10) Special Access Service
 - a. Description

Special Access Service VG10 provides a channel for voiceband data transmission capability. Usable frequencies are nominally 300 to 3000 Hz between an IC terminal location and an End User's premises. The standard transmission interface at the End User's premises and the IC terminal location is four-wire. This service will support effective four-wire transmission.

b. Illustrative applications

Special Access Service VG10 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as:

- Digital Data Off-Net Extension
- Voice Grade Data Facility

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(CP)ACCESS SERVICES

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- SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Channel Interface and Network Channel Codes-(Continue Commission
 - 7.3.5 Compatible Channel Interfaces-(Continued)
 - C. Voice Grade

| Compatib | le CIs | Compatib | le CIs | Compatibl | e CIs |
|----------|--------|----------------------|--------------|-----------|---------|
| 4AB2 | 4A32 | 4 AFS-3+ 4 AF6-C+ | 2CT3 2CT3 | 4AE6-D+ | 4DE2 |
| 4AB2 | 2AC2 | 4AE6-D+ | 2GT3 | 4AH5-B+ | 4DX2 |
| 4AB2 | 2AC2R | | 5 | 4AH6-C+ | 4DX2 |
| 4432 | 4AC2 | 4A85-B+ | 2042 | 4AH6-D+ | 4DX2 |
| 4AB2 | 4AC2R | 4AH6-C+ | 2DA2 | | |
| | • | 4AH6-D+ | 2DA2 | 4A35-B+ | 4DY2 |
| 4AE2 | 4SF2 | 4AH5-B+ | 4DA2 | 4AH6-C+ | 4DY2 |
| | | 4AH5-3+ | 4DA2S | 4AH6-D+ | 4DY2 |
| 2AC2 | 2AC2 | 4AH6-C+ | 4DA2 | | |
| 2AC2 | 4AC2 | 4AH6-C+ | 4DA2S | • | |
| 4AC2 | 4AC2 | 4AH6-D+ | 4DA2 | | |
| | | 4A96-D+ | 4DA2S | | |
| 4AH5-B+ | 4432 | 4AH5-B+ | 6DA2 | | |
| 4AH6-C+ | 4432 | 4AH5-B+ | 6DA2S | | |
| 4AH6-D+ | 4AB2 | 4AH6-C+ | 6DA2 | | |
| | | 4AH6-C+ | 6DA2S | | |
| 45-2HA | 2AC2 | 4AH6-D+ | 6DA2 | 4AH5-B+ | 4EA2-E |
| 4AH5~B+ | 2AC2R | 4AE6-D+ | 6DA2S | +6-5HA | 4EA2-M |
| 4AH6-C+ | 24C2 | | | - | |
| 4AH6-C+ | 21C2R | 4AH5-B+ | 4DB2 | 4A26-C+ | 4EA2-2 |
| 4AH6-D+ | 2402 | 4AH6-C+ | 4DB2 | 4AH6-C+ | 4EA2-M |
| 4AH6-D+ | ZACZR | 4 A E 6 - D + | 40B2 | | |
| 4AH5-B+ | 4AC2 | | | 4AH6-D+ | 4EA2-E |
| 4AR5-B+ | 4AC2R | 4AH5-B+ | 2DE2 | 4AH6-D+ | 4EA2-M |
| 4AНб-C+ | 4ACS | 4AH6-C+ | 2DE2 | 4AH5-B+ | 6EA2-E |
| 4анб-с+ | 4AC2R | 4AR6~D+ | SDES | 4AH5-8+ | DEA2-M |
| 4AH6-D+ | 4AC2 | 4AH5-B+ | 4DE2 | 4AH6-C+ . | 16BA2UE |
| 4AH6-D+ | 4AC2R | 4AH6-C+ | 4DE2 | 4AH6-C+ | 6EA2-M |
| | | | | JUL | 1 1986 |

+ Available to customers selecting the multiplexed four-wire-high capacity analog channel interface option and providing subsequent system and channel assignment data.

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - Public Service Commission
 - 7.2.1 Analog Services-(Continued)
 - B. Voice Grade Services-(Continued)
 - Voice Grade 10 (VG10) Special Access Service-(Continued)
 - c. Optional Features
 - Central office bridging capability.
 - Improved return loss at four-wire point of interface, applicable to each two-wire leg of effective four-wire channel.
 - C-Conditioning
 - DA-Conditioning
 - d. Transmission Performance
 - C-Message Noise

The C-Message Noise shall be less than:

| | Limit (d. | BrnCO)(I) |
|----------------------|-----------|-----------|
| Channel Mileage (mi) | Type Vl | Type V2 |
| 0 - 50 | 32 | 38 |
| 51 - 100 | 33 | 39 |
| 101 - 200 | 35 | 41 |
| 201 - 400 | 37 | 43 |
| 401 - 1000 | 39 | 45 |

- Improved Return Loss

The Return Loss (RL), expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), on two-wire ports of a four-wire point of interface shall be equal to or greater than:

> Elliproved RL 到了例 通過 ERL 20 dB 2.5 dB SRL 13.5 dB 1986

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(1) Where facility network conditions will support the parameters, Type V1 will be provided. Where the Type VIDDa Pameters cannot be supported, Type V2 will be provided. PUBLIC SERVICE COMMISSION OF MISSOURI

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(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Channel Interface and Network Channel Codes-(Continued)
 - 7.3.5 Compatible Channel Interfaces-(Continued)
 - C. Voice Grade-(Continued)

| Compatibl | e CI3 | Compatible | Le CIs | Compatible | le CIs |
|-------------------|--------------------------|---|-----------------|---|---------------------------|
| 4AE6-D+ | 6242 - E | 4AH6-C+ | 2G\$3-C | 4AH6-C+ | 2 <u>L</u> R2 |
| 4AE6-D+ | 62a2-M | 4AE6-C+ | 2GS3-M | 4AH6-D+ | 2 <u>1</u> .R2 |
| | | 4AH6-D+ | 2GS2 | 4A35-8+ | 4LR2 |
| 4AE5-3+ | 6 2 92 - 2 | 4AH6-D+ | 2GS2-M | 4AH6-C+ | 4LR2 |
| 4AE5-B+ | 6EB2-M | 4AH6-D+ | 2ĠS3 | 4AE6-D+ | 4LR2 |
| 44E6-C+ | 6E32-E | 4AH6-D+ | 2GS3 - C | | |
| 4A36-C+ | 6E32-M | 4AH6-D+ | 2GS3-M | 4AE5-B+ | 2 <u>1</u> 52 |
| 4AH6-D+ | 6 <u>5</u> 32-E | 4 <u>435</u> -3+ | 4GS2 | 4AH5-B+ | 2LS2-M |
| 4AE6-D+ | 6232 - M | 4AH6-C+ | 4GS2 | 4A∺5~B+ | 2LS3 |
| 4AH5-B+ | Seb2-E | 4AE5-D+ | 4GS2 | 4AH5-B+ | 2L53-M |
| 4AE5-B+ | 8E32-M | 4A35-B+ | 6G\$2 | 4AH6-C+ | ZLS2 |
| 4AH6-C+ | 8532-5 | 4AH6-C+ | 6G\$2 | 4AH6-C+ | 2 <u>1</u> 52-M |
| 4AH6-C+ | 8E32-M | 4AH5-D+ | 6GS2 | 4AH6-C+ | 2LS3 |
| 4AE6-D+ | 8eb2-e | | | 44H6-C+ | 21_53_M |
| 4AH6-D+ | 8ebz-M | 4AE5-B+ | 21.12 | 4AH6-D+ | 2LS2 |
| | | 4AH5-C+ | 2LA2 | 4AH6-D+ | 2LSZ-M |
| | | 4AH5-D+ | 21.A2 | 4AH6-D+ | 2 <u>1</u> .53 |
| | | | | 4AH6-D+ | 2LS3-M |
| | | 4AH5-3+ | 2 <u>1.3</u> 2 | 4AE5-B+ | 4LS2 |
| | | 4AH6-C+ | 2L32 | 4ar5-C+ | = = |
| | | 4AH6-D+ | STBS | 4AH5-D+ | 4L52 |
| | | | | 4AH5-B+ | 2902 |
| 4A25-3+ | 2003 | 4A35-B+ | 2LC2 | 4AH6-C+ | 2N02 |
| 4AH6-C+ | 2G03 | 44E6-C+ | 2LC2 | 4AR6-D+ | 2NO2 |
| 4AH6-D+ | 2003 | 4AH6-D+ | 2LC2 | 4A <i>H</i> 5B+ | 4NO2 |
| | | | | 4A.R5-B+ | 4n02-S |
| 4a#5-B+ | 2GS2 | 4A.R5-8+ | 5T03 | 4AH6-C+ | 4NO2 |
| 4AH5-B+ | 2GS2-M | 4AR6-C+ | 21.03 | | THOS-S |
| 4 <u>4.85</u> -8+ | 2G\$3 | 4AR6-D+ | 2L03 | 4AH6-D+ | ANOS TELLED |
| 4AH5-B+ | 2G\$3-C | | | 4AH6-D+ | 4002-5 |
| 4AH5-B+ | 2GS3-M | | | 4AH5-B+ | シアマフ |
| 4AR6-C+ | 2 G \$2 | | | 4AR6-C+ | 2PR2 JUL 1 1986 |
| 4AH6-C+ | 2082-M | _ | | 4AH6-D+ | 2PR2 86-84 |
| 4 <u>AH</u> 6-C+ | 2 GS 3 | 4AH5-B+ | 2LR2 | 4AH5-B+ | Füblic Service Commission |

+ Available to customer selecting the multiplexed four-wire high=capacity=analoge channel interface option and providing subsequent system and channel assignment data.

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- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service-(Continued) Public Service Commission
 - 7.2.1 Analog Services-(Continued)
 - B. Voice Grade Services-(Continued)
 - Voice Grade 10 (VG10) Special Access Service-(Continued)
 - d. Transmission Performance-(Continued)
 - Loss Variation

The long term loss variation from the nominal 1004 Hz EML shall not exceed +4 dB.

- Attenuation Distortion

The attenuation distortion between 404 Hz and 2804 Hz shall be within -2.0 dB and +10.0 dB with reference to the loss at 1004 Hz (minus equals less loss, plus equals more loss). The attenuation distortion between 504 Hz and 2504 Hz shall be within -2.0 dB and +8.0 dB with reference to the loss at 1004 Hz. The attenuation distortion between 304 Hz and 3004 Hz shall be within -3.0 dB and +12.0 dB.

- Signal-to-C Notch Noise

.The Signal-to-C Notch noise ratio shall not be less than 24 dB.

- Envelope Delay Distortion

The Envelope Delay Distortion (EDD) shall not exceed 1750 microseconds between 800 and 2600 Hz.

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Public Service Commission

(CP)ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

7.3 Channel Interface and Network Channel Codes-(Continued)

7.3.5 Compatible Channel Interfaces-(Continued)

C. Voice Grade-(Continued)

| Compatible | e CIs | Compatible | e CIa | Compatible | e CIs |
|------------|-------------|------------|--------|---------------|--------------------|
| 4AH6-C+ | 4PR2 | 2CT3 | 8EB2-M | 2DB2 . | 2N02 |
| 4AH5-D+ | 4PR2 | | | 4DB2 | 2NO2 |
| | | 2CT3 | 8EC2 | 4DB2 | 4NO2 |
| 4AE5-B+ | 2572-T | | | 4DB2 | 4NO2-S |
| 4AH6−C+ | T-SVRS | 2CT3 | 4SF2 | | |
| 4AH6-D+ | 2972-T | | | 2DB3 - | 2PR2 |
| 4AH5-B+ | 4R72-T | 2DA2 | 2DA2 | 4DB2 | 2PR2 |
| 4AH6-C+ | 4RV2-T | 4DA2 | 2DA2 | 4DB2 | 4PR2 |
| 4AH6-D+ | 4RV2-T | 4DA2-S | 2DA2 | | |
| | | 4DA2 | 4DA2 | 4003 | 2DE2- |
| 4AR5-2+ | 2772 | 4DA2 | 4DA2-S | 4 0 03 | 4DE2 |
| 4AH6-C+ | 2TF2 | 4DA2-S | 4DA2-S | | |
| 4AR6-D+ | 2TF2 | 6DA2 | 2DA2 | 4DS9-= | 4AB2 |
| 4A85-B+ | 4TF2 | 6DA2-S | 2DA2 | | |
| 4AE6-C+ | 4TF2 | 6DA2 | 4DA2 | 4DS9-7 | 2AC2 |
| 4AH6-D+ | 4TF2 | 6DA2 | 4DA2-S | 4DS9→=· | 2AC2-R |
| | | 6da2-s | 4DA2 | 4DS9- | 4AC2 |
| 2013 | 2CT3 | 6DA2-S | 4DA2-S | 4DS9-* | 4AC2-R |
| | | 6DA2 | 6DA2 | | |
| | | 6DA2 | 6DA2-S | 4DS9-* | 2CT3 |
| 2CT3 | 4DX2 | 6DA2-S | 6DA2-S | | |
| | | | | 4DS9- | 2DA2 |
| 2CT3 | 4EA2-E | 2DB2 | 2DA2 | 4DS9 | 4DA2 |
| 2CT3 | 4EA2-M | 4DB2 | 2DA2 | #DS9-# | 4DA2-S |
| 2CT3 | 6ea2-e | 4DB2 | 4DA2 | 4DS9- | 6DA2 |
| 2CT3 | 6EA2-M | 4DB2 | 4DA2-S | 4DS9-* | 6DA2-S |
| | | 4DB2 | 6DA2 | الم | THE FIRST |
| 2CT3 | 6EB2-E | 4DB2 | 6DA2-S | 4DS9_# | 40B2 5 11 ED |
| 2CT3 | SEB2-M | h | | 4DS9 ∜. | |
| 2CT3 | 8EB2-E | 4DB2 | 4DB2 | 4DS9-# | 4DE2 .NN 1 1986 |
| | | | • | h | 402 |
| | | | | [5] | 0.6 |

+ Available to customers selecting the multiplexed four-wirephigh (capacity analog) channel interface option and providing subsequent system and channel assignment data.

* 4DS9-15, 4DS9-31, 4DS0-63, 4DS6,44, 4DS6-27

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- SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Technical Service Descriptions for Special Access Service (Continued) ommission
 - 7.2.1 Analog Services-(Continued)
 - B. Voice Grade Services-(Continued)
 - Voice Grade 10 (VG10) Special Access Service-(Continued)
 - d. Transmission Performance-(Continued)
 - Impulse Noise

The number of impulse noise counts exceeding a threshold of 71 dBrnCO in 15 minutes shall be less than 15.

- Intermodulation Distortion

The intermodulation distortion based upon the four-tone method shall be such that R2 is not less than 27 dB and R3 not less than 32 dB.

- Phase Jitter

The phase jitter over 20-300 Hz shall not exceed 10° peak-topeak and over 4-300 Hz shall not exceed 15 peak-to-peak.

- Frequency Shift

The frequency shift shall not exceed +3 Hz.

Available Facility Interface Combinations

VG10 is available only with specific facility interface combinations as set forth in Paragraph 7.2.1, B.14., following.

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(CP) ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Channel Interface and Network Channel Codes-(Continued)

7.3.5 Compatible Channel Interfaces-(Continued)

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MISSUURI **Public Service Commission**

Public Service Commission

C. Voice Grade-(Continued)

| Compatib | le CIs | Compatib | le CIs | Compatibl | le CIs |
|-----------------|----------------|-----------|--|--------------|------------------|
| | | | ······································ | | |
| 4DS9-* | 4DX2 | 4DS9→* | 2L03 | 4DX2 4DX2 | 6EA2-E 6EA2-H |
| 4DS9-* | 4DX5 | 4DS9- | ZLRZ . | - | |
| | | 4DS9-₹ | 4LR2 | | |
| | | | | 4DX2 | 6EB2-E |
| | | 4DS9-* | ZLS2 | 4DX2 | 6EB2-M |
| | | 4DS9-* | 2LS2-M | 4DX2 | 8EB2-E |
| 4DS9-* | 4EA2-E | 4DS9- | 2L53 | 4DX2 | 8EB2-M |
| 4DS9 | 4EAZ-M | 4DS9= | 2LS3-M | | |
| 4DS9-* | 6EA2-E | 4DS9-= | 4LS2 | 4DX2 | 8EC2 |
| 4DS9 | 6EA2-M | | | | |
| | | 4DS9-* | 2002 | 4DX2 | 2LS2 |
| | | 4DS9- | 41102 | | |
| 4DS9-* | 6EB2-E | 4DS9-* | 4N02-S | 4 DX2 | 2RV2-T |
| #DS9-3 | 6EB2-M | | | 4DX2 | 4RV2-T |
| 4DS9 ~ ₹ | 8E32-E | 4DS9-* | 2222 | | |
| 4DS9 | M-2538 | 4DS9-# | 4PR2 | 4DX2 | 4SF2 |
| 4DS9- | 2G03 | 4DS9-# | 2972-T | 6EA2-E | 4DY2 |
| | | 4DS9-= | 4RVZ-T | 6EA2-M | #DXS |
| 4DS9 | 2GS2 | | | | |
| 4DS9 | 2GS2-M | 4DS9-= | 4SF2 | | |
| 4DS9-* | 2GS3 | | | | |
| 4DS9-₹ | 2GS3-C | 4DS9-= | 2TF2 | | |
| 4DS9 | 2GS3-M | 4DS9 | 4TF2 | | |
| 4DS9 | 4GS2 | h=== | | | leman = |
| 4DS9-* | 6GS2 | 4DX2 | 4DX2 | HEA2-E | 4EA2-E |
| | | h | h | 4EA2-E | 4EA2-M |
| 4DS9-* | ZLA2 | 4DX2 | 4DY2 | 4EA2-M | 4EA2-M |
| 4DS9-* | ZLB2 | hama | 1 | 6EA2-E | 4EA2-E |
| lindo # | ST 66 | 4DX2 | 4EA2-E | 6EA2-E | |
| 4DS9-* | 2 <u>1</u> .c2 | 4DX2 | 4EA2-M | 6EA2-M | |
| | | | | OLAZ-M | AENCAE. IN THE |
| | | | | Ť. | Jul 1 1986 |
| | | | | N. | |
| 89-31, 4DS | 0-63, 4DS | 6,44, 4DS | 5,27 | | 86-84 |
| | | | | ., ., | |

* 4DS9-15, 4DS9-31, 4DS0-63, 4DS6,44, 4DS6,27

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By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

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SPECIAL ACCESS SERVICE-(Continued)

- _โ...โรงเปฟ
- 7.2 Technical Service Descriptions for Special Access Service-(Continued) Commission
 - 7.2.1 Analog Services+(Continued)
 - B. Voice Grade Services-(Continued)
 - 11. Voice Grade 11 (VG11) Special Access Service Reserved For Future Use
 - 12. Voice Grade 12 (VG12) Special Access Service Reserved For Future Use
 - 13. Voice Grade 13 (VG13) Special Access Service
 Reserved For Future Use

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OF MISSOURI

(14년 - 14년 대왕) (14년 - 14년 대왕)

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(CP)ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

JUN 27 1986 7.3 Channel Interface and Network Channel Codes-(Continues)

7.3.5 Compatible Channel Interfaces-(Continued)

C. Voice Grade-(Continued)

| Compatib: | le CIs | Compatib. | le CIs | . Compatibl | Le_CIs |
|-----------|-----------------|------------------|-----------------|-------------|---|
| 6EA2-M | 4EA2-M | 4EA2-E 4EA2-M | 4SF2 4SF2 | 8EB2-M | 4RV2-T |
| 6EA2-E | 6EA2-E | 4EAZ-R 6EAZ-E | 43F2 4SF2 | 6EB2-E | 4SF2 |
| 6EA2-E | 6EA2-M | - | 4SF2 | 6EB2-M | 4SF2 |
| 6EA2-M | 6EA2-M | 6EA2-M | 4012 | 8EB2-E | 4SF2 |
| | | | | 8EB2-M | 4SF2 |
| | | 2770 7 | hand | 02B2-M | 70° 2 |
| _ | | 8EB2-E | #DY2 | ATT CO | hasa |
| 4EA2-E | 6EB2-2 | M-SEBB | πDXS | SEC2 | 4DY2 |
| 4EA2-E | 6E32-M | | | | |
| 4EA2-M | 6EB2-E | | | 27.00 | Wasa a |
| 4EA2-M | 6EB2-M | | | 8EC2 | 4EA2-E |
| 4EA2-E | 8EB2-2 | 8E32-E | 4EAZ-E | 8EC2 | #EA2-M |
| 4EA2-E | 8EB2-M | 8EB2-E | 4EAZ-M | 8EC2 | 6EA2-E |
| 4EA2-M | 8EB2-E | 8E32-M | 4EA2-E | 8EC2 | 6EA2-M |
| 4EA2-M | 8E32-M | M-SEBS | 4eaz-M | | |
| 6ÈA2-E | 6EB2-E | | _ | | * |
| 5EA2-E | 6EB2-M | 6E32-E | 6232-E | 8EC2 | 9E35-2 |
| 6EA2-M | 6282 - 2 | 6EB2-E | 6E32-M | 8EC2 | 6EB2-M |
| 62A2-M | 6EB2-M | 6EB2-M | 6232 - M | 8EC2 | 8EB2-E |
| 6EA2→E | 8EB2-E | 8EB2-E | 6EB2-E | 8EC2 | 8EB2-M |
| 6EA2-E | 8E32-M | 8EB2-E | 6232-M | | → |
| 6EA2-M | 8232-2 | 8EB2-M | 6EB2-E | 6EX2→B | 2G02 |
| 6E42-M | M-SE38 | 8EB2-M | 6232 - M | 6EX2-3 | 2G03 |
| | | 8EB2-E | 8E32-E | | |
| | | 8E32-2 | M-2838 | 6EX2-A | 2GS2 |
| | | 8EB2-M | 8EB2-M | 6EX2-A | 2GS2-M |
| 6EA2-E | 21.52 | | | 6EX2-A | 2GS3 |
| 6EA2-M | 2L.52 | 8EB2-E | 2 LS2 | 6EX2-A | 2G\$3-C |
| · | | 8EB2-M | 2L\$2 | 6EX2-A | 2GS3-M |
| 6EA2-E | ZRVZ-T | | | 6EX2-A | 1 1000 |
| 6EA2-M | T-SVRS | 8EB2-E | ZRV2-T | 6EX2-A | 6GS2 [[[] |
| 6EA2-E | 4RV2-T | 8EB2-M | 2RV2-T | - | |
| 6EA2-M | 4RV2-T | 8E32-E | 4RV2-T | 6EX2-B | 2LA2 JUL 1 1986 |
| | | | | | 86-84 |
| | | | | | " · · · · · · · · · · · · · · · · · · · |
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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)
 - B. Voice Grade Services-(Continued)

14. Available Facility Interface (FI) Combinations

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The following table shows the available FI combinations and the Voice Grade Services with which they may be ordered.

| | | | | | | | | | | | F | Ι | C | OT | пb | 11 | 16 | t | 10 | ns | 5 | | | | | | | | | | V۷ | 1 | c€ | . (| Gr | ad | e _ | Se | 2 r | v I | c e | <u> </u> | VG |)_ | _ | | | _ |
|------|-----|---|----|---|---|-----|---|---|---|-----|------|--|-----|-----|----|----|----|----|-----|-----|-----|---------|---------|----|-----------|-----|------|------------|-----------|----------|-----------|-----|-------------|-----|----|----|------------|-----|------------|-----|-----|----------|------|----------|-----|-----|-----|----|
| | | | | | | | | | _ | _ | ΙC | | _ | | _ |] | Ξr | đ | U: | se | r | _ | _ | | 1 | : | 2 | | 3 | | 4 | | 5 | (| 5 | 7 | | 8 | | 9 | 1 | 0 | 1 | <u> </u> | 1 | 2 | 1 | 3 |
| | | | | | | | | | 1 | . Δ | В2 | | | | | | | 4 | ΑC | 2 | | | | | | | X | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | B 2 | | | | | | | | AC | | ı | | | | | | X | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | 1 | ŧΑ | н6 | , — ; | D (| (1) |) | | | 4, | AC | 2 | | | | | | | X | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | 4 | ŧΑ | H6 | , —] | D (| [1] |) | | | 2 | ΑC | 2 | • | | | | | | X | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | 4 | ίA | Н6 | - | C(| [1] |) | | | 4, | A C | 2 | | | | | | | X | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | 4 | ŧΑ | Н6 | <u>, </u> | C(| (1 |) | | | 2. | АC | 2 | | | | | | | X | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | 4 | ίA | H 5 | i—] | В (| (1 |) | | | 4. | AС | 2 | | | | | | | X | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | (1 | - | | | | ΑC | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | |
| (AT) | | | | | | | | | 4 | 4.A | н6 | , | D (| (1 |) | | | 6 | DΑ | .2 | | | | | | | | | | | | | | 2 | X | | | | | | | X | | | | | | |
| | | | | | | | | | | | | | | (1 | - | | | 6 | DA | 2 | | | | | | | | | | | | | | : | X | | | | | | | X | | | | | | |
| | | | | | | | | | | | | | | (1 | | | | | DA | | | | | | | | | | | | | | | 2 | X | | | | | | | X | | | | | | |
| (AT) | | | | | | | | | 1 | 4 A | Ηć | , - | D (| (1 |) | | | 4 | DA | .2 | | | | | | | | | | | | | X | : | X | | | | | | | | | | | | | |
| Ì | | | | | | | | | | | | | | Ì. | - | | | 4 | DA | 2 | | | | | | | | | | | | | X | : | X | | | | | | | | | | | | | |
| l l | | | | | | | | | | | | | | Ì) | | | | 4 | DA | 2 | | | | | | | | | | | | | X | | X | | | | | | | | | | | | | |
| ļ | | | | | | | | | | | | | | Ì. | | | | | AŒ | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | |
| - 1 | | | | | | | | | | | | | | Ì | - | | | | DA | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | |
| AT) | | | | | | | | | | | | | | Ì) | - | | | 2 | DA | 2 | | | | | | | | | | | | | X | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | _ | - I | n | ſ | ١. | E | ? | Ø | | | | | | | | | | | | | | | |
| _ | | | | | | | | | 4 | 4, | H | 5- | D (| (1 |) | | | 4 | DE | 2 | a | Į, | 1 | Л | ((| H | 12 | | ٦, | 5 | Œ | 5 | | | | | | | | | | | | | | | | |
| | | | | | | | | | 4 | 4,8 | H | <u>, .</u> | C | (1 |) | | | 4 | DE | 2 | ໄດ້ |) [} | η | У, | ۱, | رو | · (- |) <u>-</u> | | | | | X | | | | | | | | | | | | | | | |
| | | | | | | | | | | 4 / | H. | 5 | В | (1 |) | | | 4 | DE | 2 | _ | | | | | | | | 10 | Q | ĥ | | X X | | | | | | | | | | | | | | | |
| (AT) | | | | | | | | | | 44 | H | 5 | D | (1 |) | | | 2 | DE | 2 | | | | 1 | IJ | L | 1 | | 15 | O | U | | X | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | (I | | | | 2 | DE | 2 | | | | Ž | 2 | | ^ | | _ | | م | (| X | | | | | | | | | | | | | | | |
| (AT) | | | | | | | | | , | 44 | H. | 5- | E | (1 |) | | | 2 | DE | 2 | | _ | ×۶ | Λ | <i>\\</i> | > ' | / ι | | \geq | ٺ | \supset | - | % | Š | L | | | | | r | | | | COURT . | | | - | - |
| | | | | | | | | | | | | | | | | | | | | | 8 | ۲ç V | ナ Bレ | IC | 5 | ER | 7 | E | () (၁၀ | UN NO | W | (I) | ب ان | | - | | | | | | | | | 5 | | Цſ | 킰 | D) |
| | (1) | i | Δ. | _ | 4 | 1 = | h | 1 | _ | , | · TT | Ιυ | , . | ta | | rc | ٠, | 2 | 86 | ٠٦. | | | | | | _ | - | | | | | | | | | 01 | ır | - W | ri 1 | 4- | Ħ | 1 o l | n _1 | Cai | oac | -1+ | · v | |

(1) Available only to IC's selecting the multiplexed four-wire High Capacity analog facility interface option at the IC Terminal location and providing subsequent system and channel assignment data.

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

DEC 20 1003

- 7.2 Technical Service Descriptions for Special Access Service-(Continued):UN Public Service Commission
 - 7.2.1 Analog Services+(Continued)
 - B. Voice Grade Services-(Continued)
 - 14. Available Facility Interface (FI) Combinations

The following table shows the available FI combinations and the Voice Grade Services with which they may be ordered.

| FI Comb | inations | | | | ٧o | ice | Grade | Service (VG) | |
|--|--|----|-----------------------|---|----|-------------|-------|--------------|-----------|
| IC | End User | 1. | 2 | 3 | 4 | 5 | 6 7 | NOETLE DE | <u>13</u> |
| 4AB2 | 4AC2 | | X | | | | [BB] | Nim Ren | |
| 4AB2 | 2AC2 | | X | | | | | OCT 15 1984 | |
| 4AH6-D(1) 4AH6-D(1) 4AH6-C(1) 4AH6-C(1) 4AH5-B(1) 4AH5-B(1) | 4AC2 2AC2 4AC2 2AC2 4AC2 2AC2 | | X X X X X | | | | 1 | OF MISSOURI | |
| 4AH6-D(1) | 6DA2 | | | | | | | X | |
| 4AH6-C(1) | 6DA2 | | | | | | X | X | |
| 4AH5-B(1) | 6DA2 | | | | | | Х | X | |
| 4AH6-D(1) 4AH6-C(1) 4AH5-B(1) | 4DE2 4DE2 4DE2 | | | | - | X X X | | | |

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(CP)ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

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7.3 Channel Interface and Network Channel Codes-(Continue)

MISSUUKI Public Service Commission

7.3.5 Compatible Channel Interfaces-(Continued)

C. Voice Grade-(Continued)

| Compatib: | le CIs | Compatit | ole CIs | Compatib | le CIs |
|----------------|----------------|----------|---------|----------|-------------------------|
| 6EX2+B | 2LB2 | ZLO2 | 21.52 | 4NO2 | 2DA2 |
| | | 2L02 | 21.53 | 4N02-S | 2DA2 |
| 6EX2-B | 2LC2 | 2L03 | 21.52 | 4NO2 | 4DA2 |
| | | 4LO2 | 21.52 | 4102 | 4DA2-S |
| | | 4L02 | 2LS2-H | 4NO2-S | 4DA2 |
| SEX2-B | 2L03 | 4L02 | 2LS3 | 4N02-S | 4DA2-5 |
| | | 4L02 | 2LS3-M | 4NO2 | 6DA2 |
| 62X2-B | 2LR2 | 4L02 | 41.52 | 4002 | 6DA2-S |
| 6EX2-8 | 4LR2 | | | 4002-5 | 6DA2 |
| | | 2LR2 | 2LR2 | 4N02-S | 6DA2-S |
| 6ex2-A | 2LS2 | 4LR2 | 2LR2 | _ | |
| 6EX2-A | 21.52-M | 4LR2 | 4LR2 | 4 NO2 | 2DE2 |
| 6EX2-A | 2LS3 | | | 4N02-S | 2DE2 |
| 6EX2-A | 21_S3-M | 2152 | 2GQ2 | 4 NO2 | 4DE2 |
| 6ex2-a | 41.52 | 2LS2 | 4G02 | 4N02-S | 4DE2 |
| ÷ | | 2LS3 | 2G02 | | |
| 2002 | 2GS2 | 2LS3 | 4G02 | 2002 | 2NO2 . |
| 2002 | 2GS3-C | 4LS2 | 2G02 | 2N03 | 2N02 |
| 2G03 | 2 G \$2 | 4L52 | 4G02 | 2N02 ' | 4N02-S |
| 2G03 | 2GS3 | | | 4802 | 2N02 |
| #G02 | 2GS2 | 2LS2 | 2LA2 | 4NO2 | 41102 |
| #G05 | 2GS2~M | #LS2 | SLYS | 4NO2 | 4NO2-S |
| 4G02 | 2GS3 | | | 4NC2-S | 4NC2-S |
| 4G02 | 2GS3-C | 21.52 | 2LB2 | | |
| 4G02 | 2GS3-M | 4LS2 | 2LB2 | 21103 | 2932 |
| 4G02 | 4GS2 | | | 4N02 | 4PR2 |
| 4G02 | 6GS2 | 2LS2 | 2LC2 | | |
| haaa | | 41.52 | 2LC2 | 4772-0 | 2RV2-T |
| 4G\$2 | 2G02 | | | 4 RV2 +0 | 4RV2-T |
| 4G\$2 | 2G03 | 4LS2 | 2L02 | 1 | |
| 2000 | 24.00 | 4LS2 | 2L03 | 4SF2 | ZACZ FOR FERD |
| 2GS2 | 2L02 | | | 4SF2 | 2AC2-R5 [5 [] |
| 2GS2 | 4L02 | 2N02 | 2DA2 | 4SF2 | 4AC2 |
| 2GS3-C | 2L02 | 2002 | 4DA2 | 4SF2 | 4ACZ-R11 1 1986 |
| 2GS3-C 4GS2 | 4L02 | 2002 | 4DA2-S | h coa | |
| 4GS2 4GS2 | 2L02 4L02 | 2002 | 6DA2 | 4SF2 | 4DY2 86-84 |
| 4432 | 4602 | 2N02 | 6DA2-S | 4SF2 | Page Service Commission |

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service (Continued)
 - 7.2.1 Analog Services-(Continued)
 - B. Voice Grade Services-(Continued)

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14. Available Facility Interface (FI) Combinations-(Continued) SOUR

| FI Comb | inations | | | | Vo | ice | Gr | ade | Se | ջրի | lic S | ergice |) Con | ımissi | on |
|-----------|----------|---|---|---|----|-----|----|-----|----|-----|-------|--------|-------|--------|----|
| IC | End User | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | |
| 4AH6-D(1) | 4DX2 | | | | | | | | | X | | | | | |
| 4AH6-C(1) | 4DX 2 | | | | | | | | | X | | | | | |
| 4AH5-B(1) | 4DX 2 | | | | | | | | | X | | | | | |
| 4AH6-D(1) | 9DY2 | | | X | | | | X | X | | | | | | |
| 4AH6-D(1) | 6DY2 | | | X | | | | X | X | | | | | | |
| 4AH6-D(1) | 4DY2 | | | X | | | | X | X | | | | | | |
| 4AH6-C(1) | 9DY2 | | | X | | | | X | X | | | | | | |
| 4AH6-C(1) | 6DY2 | | | X | | | | X | X | | | | | | |
| 4AH6-C(1) | 4DY2 | | | X | | | | X | X | | | | | | |
| 4AH5-B(1) | 9DY2 | | | X | | | | X | X | | | | | | |
| 4AH5-B(1) | 6DY2 | | | X | | | | X | X | | | | | | |
| 4AH5-B(1) | 4DY2 | | | X | | | | X | X | | | | | | |
| 4AH6-D(1) | 9EA2 | | | X | | | | x | X | | | | | | |
| 4AH6-D(1) | 6EA2-E | | | X | | | | X | X | | | | | | |
| 4AH6-D(1) | 6EA2-M | | | X | | | | X | X | X | | | | | |
| 4AH6-D(1) | 4EA2-E | | | X | | | | X | X | | | | | | |

BY COMMISSION OF MISSOURI

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By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

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Section 7
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ACCESS SERVICES

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- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service (Gontinued) Commission
 - 7.2.1 Analog Services-(Continued)
 - B. Voice Grade Services-(Continued)
 - 14. Available Facility Interface (FI) Combinations-(Continued)

| FI Comb | inations | | | | Vo | ice | Gr | ade | Se | rvi | ce | (VG) | | |
|------------|----------|---|---|---|----|----------|----|-----|------------------|-------------|--------|-------|--------------------------------------|------------|
| IC | End User | 1 | 2 | 3 | 4 | <u>5</u> | 6 | 7 | 8 | 9 | 10 | 11 | 12 | <u>13</u> |
| (AITE D(1) | / DVo | | | | | | | | | v | | | | |
| 4AH5-D(1) | 4DX2 | | | | | | | | | X | | | | |
| 4AH6-C(1) | 4DX2 | | | | | | | | | X | | | | |
| 4AH5-B(1) | 4DX2 | | | | | | | | | X | | | | |
| 4AH6-D(1) | 9DY2 | | | X | | | | X | х | | | | | |
| 4AH6-D(1) | 6DY2 | | | X | | | | X | X | | | | | |
| 4AH6-D(1) | 4DY2 | | | X | | | | X | X | | • | | - 5 | |
| 4AH6-C(1) | 9DY2 | | | X | | | | X | X | | ~ | ns. | IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII | <u> </u> |
| | | | | | | | | | Λ | 12 | M_U | 151 | برطاد | |
| 4AH6-C(1) | 6DY2 | | | X | | | | X | Ϋ́C. | 14/ | Ma | יש נו | | |
| 4AH6-C(1) | 4DY2 | | | X | | | | X | \mathbf{X}_{r} | سرارا | | ب | 1614 | 4 |
| 4AH5-B(1) | 9DY2 | | | X | | | | X | X | | OC. | 715 | 120 | |
| 4AH5-B(1) | 6DY2 | | | X | | | | X | X | | ÛΩ | i v | 2/. | <u> </u> |
| 4AH5-B(1) | 4DY2 | | | X | | | | X | X | | 15 | 2 K | 5 | MISSION |
| • | | | | | | | • | | | ٧œ | | BVIC | E CON | / //••- |
| 4AH6~D(1) | 9EA2 | | | X | | | | X | X | יים. וום | BLIC S | SER I | NSFOUR | • |
| 4AH6-D(1) | 6EA2→E | | | X | | | | X | X | 6.0 | | 6. | | |
| 4AH6-D(1) | 6EA2-M | | | Х | | | | X | X | X | | | | |
| 4AH6-D(1) | 4EA2-E | | | X | | | | X | X | | | | | |
| | | | | | | | | | | | | | | |

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(1) Available only to IC's selecting the multiplexed four-wire High Capacity analog facility interface option at the IC Terminal location and providing subsequent system and channel assignment data.

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(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Channel Interface and Network Channel Codes-(Continued) JUN 27 1986
 - 7.3.5 Compatible Channel Interfaces-(Continued)
 - C. Voice Grade-(Continued)

MISSUURI **Public Service Commission**

| Compati | ble CIs |
|--------------|---------|
| 4572 4572 | 2GS2 |
| | 2GSZ-M |
| 4SF2 | 2GS3 |
| 4SF2 | 2GS3-C |
| 4SF2 | 2GS3-M |
| 4SF2 | 4GS2 |
| 4SF2 | 6GS2 |
| 4SF2 | 2LA2 |
| 4SF2 | 2L32 |
| 4SF2 | 2LC2 |
| 4SF2 | 2L03 |
| 4SF2 | 2L.R2 |
| 4SF2 | 4L R2 |
| 4SF2 | 2LS2 |
| 4SF2 | 2LS2-M |
| 4SF2 | ZLS3 |
| 4SF2 | 2LS3-M |
| 4SF2 | 4LS2 |
| 4SF2 | 2RV2-T |
| 4SF2 | 4RV2-I |
| 2TF3 | 2TF2 |
| 4TF2 | 2TF2 |
| 4TF2 | 4TF2 |

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JUL 1 1986 Effective:

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service (Continued)
 - 7.2.I Analog Services-(Continued)

AUG 14 100 9

B. Voice Grade Services-(Continued)

MISSUURI

| FI Comb | inations | | | | Vo | ice | Gr | ade | Se | FV | ce={ | AC) Sala | ce u | ommi | SSION |
|-----------|----------|------------|--------------|--|-----------|-------------|---------------|------------|------|----|------|-------------|------|------|-------|
| IC | End User | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | |
| 4AH6-D(1) | 4EA2-M | | | x | | | | x | X | | | | | | |
| 4AH6-C(1) | 9EA2 | | | X | | | | X | X | | | | | | |
| 4AH6-C(1) | 6EA2-E | | | X | | | | X | X | | | | | | |
| 4AH6-C(1) | 6EA2-M | | | X | | | | X | X | X | | | | | |
| 4AH6-C(1) | 4EA2-E | | | X | | | | X | X | | | | | | |
| 4AH6-C(1) | 4EA2-M | | | X | | | | X | X | | | | | | |
| 4AH5-B(1) | 9EA2 | | | X | | | | X | X | | | | | | |
| 4AH5-B(I) | 6EA2-E | | | X | | | | X | X | | | | | | |
| 4AH5-B(1) | 6EA2-M | | | X | | | | X | X | X | | | | | |
| 4AH5-B(1) | 4EA2-E | | | X | | | | X | X | | | | | | |
| 4AH5-B(1) | 4EA2-M | | | X | | | | X | X | | | | | | |
| 1197 5/13 | 0 | | | _ | | | | | 77 | | | | | | |
| 4AH6-D(1) | 8EB 2-E | | | X | | | | X | X | 12 | | | | | |
| 4AH6-D(1) | 8EB 2-M | | | X | | | | X | X | X | | | | | |
| 4AH6-D(1) | 6EB 2-E | | | X | | | | X | X | | | | | | |
| 4AH6-D(1) | 6EB 2-M | | | X | | | | X | X | | | | | | |
| 4AH6-C(1) | 8EB 2-E | | | X | | | | X | X | | | | | | |
| 4AH6-C(1) | 8EB 2-M | | | X | | | | X | X | X | | | | | |
| 4AH6-C(1) | 6EB 2-E | | | X | | | | X | X | | | | | | |
| 4AH6-C(1) | 6EB 2-M | | | X | | | | X | X | | | | | | |
| 4AH5-B(1) | 8EB 2-E | | | X | | | | X | X | | | | | | |
| 4AH5-B(1) | 8EB 2-M | | | X | | | | X | X | X | | | | | |
| 4AH5-B(1) | 6EB 2-E | | | X | | | _ | X. | χ | | | | | | |
| 4AH5-B(1) | 6EB 2-M | (| e N | | | 图 | <u> [</u> | 遇。 | 刨 | | | | | | |
| 4AH6-D(1) | 2GO 2 | x / | <u>U)</u> (F | i) UC | (-) | | _ | | | | | | | | |
| 4AH6-C(1) | 2GO 2 | X | | | | 1 | 198 | ĥ | | | | | | | |
| 4AH5-B(1) | 2GO 2 | X | | Jl | ال | Ļ | 150 | .0 | | | | | | | |
| | | | _ | کہ۔ | 3 | | | ≒ _ | 7_ | _ | | | | | |
| 4AH6~D(1) | 6GS2(2) | į | BY/ | <u>) x </u> | \supset | عنج | <u></u> | MAS: | siOl | 4 | | | | | |
| 4AH6-D(1) | 4GS2 | | PUB | LIK : | SERV | NCE MISS | ÇŲN SOLI®I | wys. | | | | | | | |
| 4AH6-D(1) | 2GS3 | | | X | QP | Witz | ~ | 1 | | | | | | | |
| 4AH6-D(1) | 2GS 2 | X | | X | | | | X | | | | | | | |

(1) Available only to IC's selecting the multiplexed four-wire High Capacity analog facility interface option at the IC Terminal location and pr subsequent system and channel assignment data.

(2) This facility interface combination is applicable with Centrex C.O. Service only. OCT 15 1984

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By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

ACCESS SERVICES

- Access Services Tariff
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- UEU
- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)
 - B. Voice Grade Services-(Continued)
 - 14. Available Facility Interface (FI) Combinations-(Continued)

| FI Comb | oinations | | | | ۷o | ice | Gr | ade | Se | rvi | ce' (| VG) | | |
|-----------|---------------|---|-------------|------|------------|----------|--|--------|-----|---------|--------|-----|-------|-------|
| IC | End User | 1 | 2 | 3 | 4 | <u>5</u> | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 4AH6-D(1) | 4EA2-M | | | X | | | | x | X | | | | | |
| 4AH6-C(1) | 9EA2 | | | X | | | | X | X | | | | | |
| 4AH6-C(1) | 6EA2-E | | | X | | | | X | X | | | | | |
| 4AH6-C(1) | 6EA2-M | | | X | | | | X | X | X | | | | |
| 4AH6-C(1) | 4EA2-E | | | X | | | | X | Х | | | | | |
| 4AH6-C(1) | 4EA2-M | | | X | | | | X | X | | | | | |
| 4AH5-B(1) | 9EA2 | | | X | | | | X | X | | | | | |
| 4AH5-B(1) | 6EA2-E | | | X | | | | Х | X | | | | | |
| 4AH5-B(1) | 6EA2-M | | - | X | | | | X | X | X | | | | |
| 4AH5-B(1) | 4EA2-E | | | X | | | | X | X | | | | | |
| 4AH5-B(1) | 4EA2-M | | | X | | | | X | X | | | | | |
| 4AH6-D(1) | 8EB2-E | | | Х | | | | X | X | | | | | |
| 4AH6-D(1) | 8EB2-M | | | X | | | | X | X | X | | | | |
| 4AH6-D(1) | 6EB2-E | | | X | | | | X | X | | | | | |
| 4AH6-D(1) | 6EB2-M | | | X | | | | X | X | | | | | |
| 4AH6-C(1) | 8EB2-E | | | X | | 1 | | X | X | | | | | |
| 4AH6-C(1) | 8EB2-M | | | X | | | | X | X | X | | | | |
| 4AH6-C(1) | 6EB2-E | | | X | | | | X | X | | | | | |
| 4AH6-C(1) | 6EB2-M | | | X | | | | X | X | | | | | |
| 4AH5-B(1) | 8EB2-E | | | X | | | | X | X | | | | | |
| 4AH5-B(1) | SEB2-M | | | X | | | - 5 | m c | X | X | | | | |
| 4AH5-B(1) | | | _ | | ลต | ' II : | (<u> </u> | 311 | X | | • | | | |
| 4AH5-B(1) | 6EB2-M | g | | เบษ | B | | יפו | X | X | | | | | |
| 4AH6-D(1) | 2 GO2 | Х | | Ωſ | LT | 51 | 1984 | A _ | 1 | | | | | |
| 4AH6-C(1) | 2G02 | X | | Ûſ | Ľ | 101 | | 人。 | / | T | | Γ. | . :- | |
| 4AH5-B(1) | 2GO2 | X | | 18 | Y _ | K | <u>' </u> | MISS | 10N | Ì | | | L 7 | ٠., |
| 4AH6-D(1) | 4GS2 | | ⊵ βΥ PUF | SLIX | SERV | ICE (| OUB) OW | X | | ! ;\ | | JAH | - 1 | íSD. |
| 4AH6-D(1) | | | - | X | ·~· | | | X | | 1 | | | _ 9 | 53 |
| 4AH6-D(1) | 2G S 2 | X | | X. | | | | X | | j. T | outsti | | ~ 4 | , , , |

(1) Available only to IC's selecting the multiplexed four-wire High-Capacity analog facility interface option at the IC Terminal location and providing subsequent system and channel assignment data.

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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- 7.3 Channel Interface and Network Channel Codes-(Continued) MISSOURI
 Public Service Commission
 - 7.3.5 Compatible Channel Interfaces-(Continued)
 - C. Voice Grade-(Continued)

| WAL Serving Office Supervisory Signaling | Available WAL Channel Interfaces |
|---|--|
| | *** |
| LO | 2LS2, 2LS3, 4LS2, 4DS9-15, 4DS9-31, 4DS0-63, 4DS6-44, 4DS6-27 |
| GO | 2GS2, 2GS3, 2GS3-C, 4GS2, 4GS2-C, 4DS9-15, 4DS9-31, 4DS0-63, 4DS6-44, 4DS6-27 |

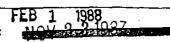
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ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

OCT 1 3 1987

7.3 Channel Interface and Network Channel Codes-(Continued)

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7.3.5 Compatible Channel Interfaces-(Continued)

Public Service Commission

C. Voice Grade-(Continued)

| (AT) | WAL Serving Office Supervisory Signaling | Available WAL Channel Interfaces |
|------|---|--|
| | LO | 2LS2, 2LS3, 4LS2, 4DS9-15, 4DS9-31, 4DS0-63, 4DS6-44, 4DS6-27 |
| (AT) | GO | 2GS2, 2GS3, 2GS3-C, 4GS2, 4GS2-C, 4DS9-15, 4DS9-31, 4DS0-63, 4DS6-44, 4DS6-27 |

CANCELLED

Public Service Commission
MISSOURI

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(CP) ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Channel Interface and Network Channel Codes-(Continued)

7.3.5 Compatible Channel Interfaces-(Continued)

C. Voice Grade-(Continued)

JUN 27 1986

MISSUURI Public Service Commission

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1 1986

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service—(Continued)
- 7.2.1 Analog Services-(Continued)
 - B. Voice Grade Services-(Continued)

AUG 14 1004

14. Available Facility Interface (FI) Combinations-(Continued) [6] SSOUR

| | FI Comb | FI Combinations | | | | Vo | ice | Gr | ade | Se | rvice | c(ŷ | eduic | e Co | mmis | sion 🖁 |
|------|-----------|-----------------|---|----|-------|-------|----------------|----------------|-------|------|----------|----------------|----------|------|------|--------|
| | IC | End User | 1 | 2 | 3 | 4 | <u>5</u> | <u>6</u> | 7 | 8 | <u> </u> | -0 | <u> </u> | 12 | 13 | , |
| (AT) | 4AH6-C(1) | 6GS2(2) | | | X | | | | x | | | | | | | |
| | 4AH6-C(1) | 4GS 2 | | | X | | | | X | | | | | | | |
| | 4AH6-C(1) | 2GS3 | | | X | | | | X | | | | | | | |
| | 4AH6-C(1) | 2GS 2 | X | | X | | | | X | | | | | | | |
| (AT) | 4AH5-B(1) | 6GS2(2) | | • | X | | | | X | | | | | | | |
| • | 4AH5-B(1) | 4GS2 | | | X | | | | X | | | | | | | |
| | 4AH5-B(1) | 2GS 3 | | | X | | | | X | | | | | | | |
| | 4AH5-B(1) | 2G\$ 2 | X | | X | | | | X | | | | | | | |
| | 4AH6-D(1) | 2LA2 | | X | | | | | x | | | | | | | |
| | 4AH6-C(1) | 2LA2 | | X | | | | | X | | | | | | | |
| | 4AH5-B(1) | 2LA2 | | X | | | | | X | | | | | | | |
| | 4AH6-D(1) | 2LB 2 | | X | | | | | X | | | | | | | |
| | 4AH6-C(1) | 2LB 2 | | X | | | | | X | | | | | | | |
| | 4AH5-B(1) | 2LB 2 | | X | | | | | X | | | | | | | |
| | 4AH6-D(1) | 2LC2 | | x | | | | | X | | | | | | | |
| • | 4AH6-C(1) | 2LC2 | | X | | | | | X | | | | | | | |
| | 4AH5-B(1) | 2LC2 | | X | | | | | X | | | | | | | |
| | 4AH6-D(1) | 2L03 | | X | | | | X | | | | | | | | |
| | 4AH6-D(1) | 2LO2 | X | | | | | | | | | | | | | |
| | 4AH6-C(1) | 2L03 | | X | | | | X | | | | | | | | |
| _ | 4AH6-C(1) | 2LO2 | X | | | | | 4524 44 | | | _ | | | | | |
| | 4AH5-B(1) | 2L03 | | X. | h | 1 17 | | X | 11 | 15 | m | | | | | |
| | 4AH5-B(1) | 2LO2 | X | (| م) رو | u ur. |) (V) | () | שו בי | | رق | | | | | |
| | 4AH6-D(1) | 4LR 2 | | X | | JU | 1 L 1 | | 1981 | j | | | | | | |
| | 4AH6-D(1) | 2LR2 | | X | _ | ۵,_ | | | _ | -/ | | | | | | |
| | 4AH6-C(1) | 4 LR 2 | | XB | 9 | للتكل | راحـ | LS | 5 | SS | | | | | | |
| | 4AH6-C(1) | 2LR 2 | | Χp | UBLI | C SE | RVIC | E C | 2MV | ussi | ON | | | | | |
| | 4AH5-B(1) | 4LR2 | | | | . 5 | OF M | ISSOI | JRI . | 3. | | | | | | |
| | 4AH5-B(1) | 2LR 2 | | X | | | | | | | | | | | | |

(1) Available only to IC's selecting the multiplexed four-wire High Capacity analog facility interface option at the IC Terminal location and providing subsequent system and channel assignment data.

OCT 15 1984

(2) This facility interface combination is applicable with Centrex C.O. Service only.

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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- 7.2 Technical Service Descriptions for Special Access Service-(Continued) URI

 Public Service Commission
 - 7.2.1 Analog Services-(Continued)
 - B. Voice Grade Services-(Continued)
 - 14. Available Facility Interface (FI) Combinations-(Continued)

| | inations | | | ٠ | Vo | íce | Gr | ade | Se | <u>rvi</u> | ce (| VG) | | |
|------------------------|--------------|----------|--------|---|----|-----|----|--------|----|-------------|-----------------|----------|---------------|------------|
| IC | End User | <u>1</u> | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 4AH6-C(1) | 4GS2 | | | X | | | | X | | | | | | |
| 4AH6-C(1) | 2GS3 | | | X | | | | X | | | | | | |
| 4AH6-C(1) | 2GS2 | X | | X | | | | X | | | | | | |
| 4AH5-B(1) | 4GS2 | 44 | | X | | | | X | | | | | | |
| 4AH5-B(1) | 2GS3 | | | X | | | | X | | | | | | |
| 4AH5-B(1) | 2GS2 | X | | X | | | | X | | | | | | |
| 4AH6-D(1) | 2LA2 | | Х | | | | | X | | | | | | |
| 4AH6-C(1) | 2LA2 | | X | | | | | X | | | | | | |
| 4AH5-B(1) | 2LA2 | | X | | | | | X | | | | | | ว เลิง |
| 4AH6-D(1) | 2LB2 | | X | | | | | v | - | \ \u0313 | LAI (L | 门到 | [[] | |
| 4AH6-C(1) | | | | | | | | X X | Il | | $[B]_{i,ar{a}}$ | ا حارا | س المد | |
| | 2LB2 | | X X | | | | | X X | | J 6 - | | | 41 | ١ |
| 4AH5-B(1) | 2LB2 | | A | | | | | X | | | 00 | l T 2 | 1784 | 1 |
| 4AH6-D(1) | 2LC2 | | X | | | | | X | | | Ato. | N/ | 5 | <i>λ</i> \ |
| 4AH6-C(1) | 2LC2 | | X | | | | | X | | ! | 21 | | | MISSION |
| 4AH5-B(1) | 2LC2 | | X | | | | | X | | å∩8 ₽.\≃ | LIC SE | BAICE | SOUNI LONG | MISSION |
| 4AH6-D(1) | 2L03 | | X | | | | X | | | | | J | | |
| 4AH6-D(1) | 2L02 | Х | 4 | | | | 43 | | | | | | | |
| 4AH6-C(1) | 2L03 | 24 | X | | | | X | | | | | | | |
| 4AH6-C(1) | 2L02 | Х | 44 | | | | 41 | | | | | | | |
| 4AH5-B(1) | 2L03 | | X | | | | X | | | | | | | |
| 4AH5-B(1) | 2L02 | X | •• | | | | | | | | | | | |
| / ATT (10 (1) | (EDG | | ., | | | | | | | محالم ، | | | - | _ |
| 4AH6-D(1) | 4LR2 | | X | | | | | | ; | | [_ | ال | Ĺ | • |
| 4AH6-D(1) 4AH6-C(1) | 2LR2 | | X | | | | | | 1 | • | 1. | 1 | Ε, | ļ |
| 4AH6-C(1) | 4LR2 2LR2 | | X | | | | | | • | | | | 4 2 | |
| 4AH5-B(1) | 4LR2 | • | X | | | | | | ļ | | J∂`. | | 1 190 | |
| 4AH5-B(1) | 2LR2 | | X | | | | | | 7 | | \$ | 33. | 2 | 5.3 |
| 4007,-p(T) | ZLKZ | | A | | | | | | • | n | ا کر ر | U | ્ર 🕶 🕚 | |

(1) Available only to IC's selecting the multiplexed four-wire High Capacity analog facility interface option at the IC Terminal location and providing subsequent system and channel assignment data.

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

REGEIVED

- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - AUG 1 1 1004

7.2.1 Analog Services-(Continued)

MISSOURI

B. Voice Grade Services-(Continued)

Public Service Commission

14. Available Facility Interface (FI) Combinations-(Continued)

| | FI Combi | nations | | | | | ice | Gr | ade | Se | rvi | ce (| VG) | | |
|------------|-------------|--------------|---|----|---|----|-----|----|-----|------|-----|------|-----|----|-----------|
| | IC | End User | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | <u>13</u> |
| ¥ | 1.000 0 (4) | 42.00 | | 4. | _ | | | | 47 | | | | | | |
| | 4AH6-D(1) | 4LS 2 | | X | X | | | | X | | | | | | |
| | 4AH6-D(1) | 2LS 2 | X | X | X | | | | X | X | | | | | |
| | 4AH6-D(1) | 2LS 3 | | X | X | | | | X | | | | | | |
| | 4AH6-C(1) | 4LS2 | | X | X | | | | X | | | | | | |
| | 4AH6-C(1) | 2LS 2 | X | X | X | | | | X | X | | | | | |
| | 4AH6-C(1) | 2LS 3 | | X | X | | | | X | | | | | | |
| (RT) | , , | | | | | | | | | | | | | | |
| | 4AH5-B(1) | 4LS2 | | X | X | | | | X | | | | | | |
| | 4AH5-B(1) | 2LS2 | X | X | X | | | | X | X | | | | | |
| | 4AH5-B(1) | 2LS3 | | X | X | | | | X | | | | | | |
| | 4AH6-D(1) | 4NO2 | X | X | | | Х | X | Х | | X | | | | |
| | 4AH6-D(1) | 2NO2 | X | X | | | X | | X | | | | | | |
| | 4AH6-C(1) | 4NO2 | X | X | | | X | X | X | | X | | | | |
| | 4AH6-C(1) | 2NO2 | X | X | | | X | | X | | | | | | |
| | 4AH5-B(1) | 4NO2 | X | X | | | X | X | X | | X | | | | |
| | 4AH5-B(1) | 2NO2 | X | X | | | X | | X | | | | | | |
| | 4AH6-D(1) | 4RV2-T | | | X | | | | X | | | | | | |
| (RT) | 4AH6-D(1) | 2RV2-T | | | X | | | | | | | | | | |
| • | 4AH6-C(1) | 4RV2-T | | | X | | | | X | | | | | | |
| RT) | 4AH6-C(1) | 2RV2-T | | | X | | | | | | | | | | |
| y * | 4AH5-B(1) | 4RV2-T | | | X | | | _ | _X. | n 11 | · - | (A) | | | |
| (RT) | 4AH5-B(1) | 2RV2-T | | | X | Gl | | | E | | | | | | |

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PUBLIC SERVICE COMMISSION
(1) Available only to IC's selecting the multiplexed for the High Capaci analog facility interface option at the IC Terminal location and providing subsequent system and channel assigment data. OCT 15 1984

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ACCESS SERVICES

DEC 20 1003

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service-(Continued) Commission

- 7.2.1 Analog Services-(Continued)
- B. Voice Grade Services-(Continued)
 - 14. Available Facility Interface (FI) Combinations-(Continued)

| FI Comb | inations | | | | Vo | ice | Gr | ade | Se | rvi | ce_(| VG) | | |
|--|--|-----------------------|---------------------------------------|---------------------------------------|--------------|-----------------------|--------|---------------------------------------|--------|-----|--------|--------|--------------|-------------------|
| IC | End User | 1 | 2 | 3 | 4 | <u>5</u> | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 4AH6-D(1) 4AH6-D(1) 4AH6-D(1) 4AH6-C(1) 4AH6-C(1) 4AH6-C(1) 4AH5-B(1) 4AH5-B(1) 4AH5-B(1) 4AH5-B(1) | 4LS2 2LS2 2LS3 4LS2 2LS2 2LS3 6LS2 4LS2 2LS2 2LS3 | x x | x x x x x x x x x x x x x x x x x x x | x x x x x x x x x x x x x x x x x x x | - | | - | X X X X X X X X X X X X X X X X X X X | x x | 0 | | NOTOCT | 国 151 | LEO 984. |
| 4AH6-D(1) 4AH6-C(1) 4AH6-C(1) 4AH5-B(1) 4AH5-B(1) 4AH6-D(1) 4AH6-D(1) 4AH6-C(1) 4AH6-C(1) 4AH6-C(1) | 4NO2 2NC2 4NO2 2NO2 4NO2 2NO2 4RV2-T 2RV2-T 4RV2-T 2RV2-T 4RV2-T | X X X X X | X X X X X | X X X X | | X X X X X | x x | X X X X X X | | x x | PUBLIC | SERV | ICE CO | OMMISSIOI DURI |
| 4AH5-B(1) | 2RV2-T | | | X | | | • | X | | | | 1 | i . | يز |

(1) Available only to IC's selecting the multiplexed four-wire High Capacity analog facility interface option at the IC Terminal location and providing subsequent system and channel assigment data.

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

AUG 1 1 (22)

- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)

Public Service Commission

- B. Voice Grade Services-(Continued)
 - 14. Available Facility Interface (FI) Combinations-(Continued)

| | FI Com | binations | | Voi | e Gr | ade So | ervice | (VG) | | |
|--------|--------------------|--------------|--------------|----------|--------------|--------|--------|------|--|--|
| | IC | End User | <u>1 2 3</u> | 4 | 6 | 7 8 | 9 10 | 11 | 12 | 13 |
| (RT) | | | | | | | | | | |
| `)´ | | | | | | | | | | |
| 1 | | | | | | | | | | |
| (RT) | | | | | | | | | | |
| (AT) | 4DB 2 | 2DA2 | | y | ζ | | | | | |
| ` ` | 4DB 2 | 4DA2 | | 7 | X | | У | | | |
| (AT) | 2DB2(2) | 2DA2 | | | X | | | | | |
| | 4== 0 | 1 | | | | | | | | |
| (4T) | 4DB 2 | 6DA2 | | | X | | } | • | | |
| (AT) | 2DB 2 | 2NO2 | | 2 | ζ | | | | | |
| (+ m) | 4DB 2 | 4NO2 | | | X | | | | | |
| (AT) | 4DB 2 | 2NO 2 | |) | ζ | | | | | |
| | 4DD3 | 4DE2 | | 3 | ₹ | | | | | |
| (CT) | 4DD3 | 2DE 2 | | | K | | | | | |
| | 4DS9(1) | 4A C2 | X | | | | | | | |
| | 4DS9(1) | 2AC2 | X | | | | | | | |
| | 4DS9(1) | 6DA2 | | | х | | 3 | ζ | | |
| AT) | 4DS9(1) | 4DA2 | | 7 | ΧX | | | | | |
| (AT) | 4DS9(1) | 2DA2 | | 2 | K | | | | | |
| | 4DS9(1) | 4DE 2 | O D TVI & | aes. | a c | (U) | | | | |
| (AT) | 4DS9(1) 4DS9(1) | 2DE 2 | GANI | 为已以 | | שו | | | | |
| (222) | 4D03(1) | ZDG Z | 90000 | | 1 | | | | | |
| | 4DS9(1) | 4DX 2 | JUL | | 986 | | X | | | |
| | | | BY 2 ms | 0.4 | | d | | | Andrews State of the last of t | 77 - 1-14 Jan 19 19 19 19 19 19 19 19 19 19 19 19 19 |
| | | | BY STE | D/ | <u> ゝ. ゔ</u> | 0_ | A | F | חח ו | 己同 |

(1) See Paragraph 7.3.3, following, for lextraction (1) See Paragraph 7.3.3, following, for lextraction (1)

(AT) (2) For VG-6, available only when new legs are added to existing one-we point circuits.

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

DEC 25 1003

- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)

Public Service Commission

- B. Voice Grade Services-(Continued)
 - 14. Available Facility Interface (FI) Combinations-(Continued)

| FI Con | nbinations | | | | Voice Grade | | | | | rvi | ce (| VG) | | |
|----------|------------|---|-------|-----|-------------|----------|---|---|---|-----|------|-----|----|----|
| IC | End User | 1 | 2 | 3 | 4 | <u>5</u> | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| | | | | | | | | | | | | | | |
| 6DA2 | 6DA2 | | | | | | | | | | X | | | |
| 6DA2 | 4DA2 | | | | | | | | | | X | | | |
| 4DA2 | 6DA2 | | | | | | | | | | X | | | |
| 4DA2 | 4DA2 | | | | | | | | | | X | | | |
| -4DB2 | 6DA2 | | | | | | x | | | | x | | | |
| 4DB2 | 4NO2 | | | | | | X | | | | | | | |
| 4DD3 | 4DE2 | | , | | | X | | | | | | | | |
| 2DD3 | 2DE2 | | | | | X | | | | | | | | |
| /Den (1) | (400 | v | | | | | | | | | | | | |
| 4DS9(1) | 4AC2 | X | | | | | | | | | | | | |
| 4DS9(1) | 2AC2 | X | | | | | | | | | | | | |
| 4DS9(1) | 6DA2 | | | | | | X | | | | X | | | |
| 4DS9(1) | 4DE2 | | | | | X | | | | | | | | |
| 4DS9(1) | 4DX2 | _ | ne (i | ı N | 图 | (II) | | | | X | | | | |

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(1) See Paragraph 7.3.3, following, for explanation.

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ACCESS SERVICES

EGEIVED

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)

adSSOURI

- B. Voice Grade Services-(Continued)
 - 14. Available Facility Interface (FI) Combinations-(Continued)

| | FI Com | binations | | | | Vo | ice | Gr | ade | Se | rvi | ce (| VG) | | |
|------|----------|-----------|---|-----|-------|-------|-----|------------|--------|------------|-----|------|-----|----|----|
| | IC | End User | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| | 4DS9(1) | 9DY2 | | | х | | | | Х | X | | | | | |
| | 4DS9(1) | 6DY2 | | | X | | | | X | X | | | | | |
| | 4DS9(1) | 4DY2 | | | X | | | | X | X | | | | | |
| | 4DS9(1) | 9EA2 | | | X | | | | X | X | | | | | |
| | 4DS9(1) | 6EA2-E | | | X | | | | X | X | | | | | |
| | 4DS9(1) | 6EA2-M | | | X | | | | X | X | X | | | | |
| _ | 4DS9(1) | 4EA2-E | | | X | | | | X | X | | | | | |
| | 4DS9(1) | 4EA2-M | | | X | | | | X | X | | | | | |
| | 4DS9(1) | 8EB 2-E | | | X | | | | x | X | | | | | |
| | 4DS9(1) | 8EB 2-M | | | X | | | | X | X | X | | | | |
| | 4DS9(1) | 6EB 2-E | | | X | | | | X | X | | | | | |
| | 4DS9(1) | 6EB 2-M | | | X | | | | X | X | | | | | |
| | 4DS9(1) | 2GO 2 | X | | | | | | | | | | | | |
| (AT) | 4D\$9(1) | 6GS2(2) | | | X | | | | x | | | | | | |
| | 4DS9(1) | 4GS2 | | | X | | | | X | | | | | | |
| | 4DS9(1) | 2GS2 | X | | X | | | | X | | | | | | |
| | 4DS9(1) | 2GS3 | | | X | | | | X | | | | | | |
| CT) | 4DS9(1) | 2LB 2 | | x | | | | | X | | | | | | |
| (CT) | 4DS9(1) | 2LA2 | | Ď. | 7] [k | | 5 | ורֿ (آ | 5 | m | | | | | |
| (CT) | 4DS9(1) | 2LC2 | | W L | FJ (Å | رنۍ ل | | <u>.</u> [| X X | . . | | | | | |
| | | | | | J۱ | ĮL. | 1 | าษช | b | | | | | | |

(1) See Paragraph 7.3.3, following, following
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OCT 1 5 198 Public Service Commission

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service (Continued)
 - 7.2.1 Analog Services-(Continued)
 - B. Voice Grade Services-(Continued)
 - 14. Available Facility Interface (FI) Combinations-(Continued)

| IC | End User | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 3 | 9 | 10 | 11 | 12 | 13 |
|-----------------|----------|---|---|---|---|---|---|---|---|------------|-------|------|---------------------|--------------|
| | | _ | _ | _ | _ | _ | _ | _ | _ | _ | | | | |
| DS9(1) | 9DY2 | | | X | | | | X | X | | | | | |
| OS9(1) | 6DY2 | | | X | | | | X | X | | | | | |
| 089(1) | 4DY2 | | | X | | | | X | X | | | | | |
| 089(1) | 9EA2 | | | X | | | | X | X | | | | | |
| DS9(1) | 6EA2-E | | | X | | | | X | X | | | | | |
| DS9(1) | 6EA2-M | | | X | | | | X | X | X | | | | |
| DS9(1) | 4EA2-E | | | X | | | | X | X | | , | | | |
| DS9(1) | 4EA2-M | | | X | | | | X | X | | | | | |
| DS9(1) | 8EB2-E | | | X | | | | X | X | | | | | |
| DS9(1) | 8EB2-M | | | X | | | | X | X | X | | | | |
| DS9(1) | 6EB2-E | | | X | | | | X | X | | | | • | |
| DS9(1) | 6EB2-M | | | X | | | | X | X | | | | | |
| D S 9(1) | 2G02 | X | | | | | | | | | ٠ | | | . (2) |
| DS9(1) | 4GS2 | | | X | | | | X | | (A) | וט נא | MAR | <u> </u> | LE |
| DS9(1) | 2G\$2 | х | | X | | | | X | | تا) | | றும் | ساج | |
| DS9(1) | 2GS3 | | | X | | | | X | | _ | | | ر ک | ιΩΔ |
| (-) | 2020 | | | | | | | | | | (| 13(| T 9 1 | JU-1 |
| DS9(1) | 2LB2 | X | | | | | | X | | | 1/2 | P 1 | $/\!\!/\!\!\subset$ | 6 |
| DS9(1) | 2LA2 | X | | | | | | X | | B | Y Z | SERV | ICE C | OMMIS URI |
| DG0 (1) | 27.02 | x | | | | | | Х | | 1- | u | Qf | MISSO | |
| DS9(1) | 2LC2 | X | | | | | | A | | ; | | [- | 114 | らじ |
| | | | | | | | | | | Ĺ | | JAN | - 1 | 183.; |

(1) See Paragraph 7.3.3, following, for explanation.

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Technical Service Descriptions for Special Access Service-(Continued).
 - 7.2.1 Analog Services-(Continued)
 - Voice Grade Services-(Continued)
 - 14. Available Facility Interface (FI) Combinations-(Continued)

| FI Com | Voice Grade Service (VG) | | | | | | | | | | | | | |
|---------|--------------------------|---|---|---|---|---|----|---|---|---|----|----|----|----|
| IC | End User | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| | | _ | | | | _ | _ | _ | _ | _ | | | _ | |
| 4DS9(1) | 2L02 | X | | | | | | | | | | | | |
| 4DS9(1) | 2L03 | | X | | | | | X | - | | | | | |
| 4DS9(1) | 4LR2 | | X | | | | | | | | | | | |
| 4DS9(1) | 2LR2 | | X | | | | | | | | | | | |
| 4DS9(1) | 4LS2 | | X | X | | | | x | | | | | | |
| 4DS9(1) | 2LS2 | X | X | X | | | | X | X | | | • | | |
| 4DS9(1) | 2LS3 | • | X | X | | | | X | | • | | | | |
| 4DS9(1) | 4NO2 | X | Х | | | Х | Х | Х | | X | | | | |
| 4DS9(1) | 2NO2 | X | X | | | X | •• | X | | | | | | |
| 4DS9(1) | 4RV2-T | | | X | | | | X | | | | | | |
| 4DS9(1) | 2RV2-T | | | X | | | | X | | | | | • | |
| 4DX2 | 4DX2 | | | | | | | | | X | | | | |

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PUBLIC SERVICE

(1) See Paragraph 7.3.3, following, for explanation.

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(CP)ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Channel Interface and Network Channel Codes-(Continued) REGEIVED

7.3.5 Compatible Channel Interfaces-(Continued)

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D. Program Audio

MISSUURI Commission

| Compatible Cl's | Compatible Cl's | Comparant Reparts Cou |
|---|--|---|
| 4AH5-B(2) 2PG1-3 4AH5-B(2) 2PG1-5 4AH5-B(2) 2PG1-8 4AH5-B(2) 2PG2-3 4AH5-B(2) 2PG2-5 4AH5-B(2) 2PG2-5 4AH5-B(2) 2PG2-8 4AH6-C(2) 2PG1-3 4AH6-C(2) 2PG1-5 4AH6-C(2) 2PG1-8 4AH6-C(2) 2PG2-3 4AH6-C(2) 2PG2-3 4AH6-C(2) 2PG2-5 4AH6-C(2) 2PG2-8 | 4AH6-D(2) 2PG1-3 4AH6-D(2) 2PG1-5 4AH6-D(2) 2PG1-8 4AH6-D(2) 2PG2-3 4AH6-D(2) 2PG2-5 4AH6-D(2) 2PG2-8 4DS9-15E(1) 2PG1-3 4DS9-15F(1) 2PG1-5 4DS9-15G(1) 2PG1-8 4DS9-15H(1) 2PG1-1 4DS9-15E(1) 2PG2-3 | 4DS9-15F(1) 2PG2-5 4DS9-15G(1) 2PG2-8 4DS9-15H(1) 2PG2-1 2PG2-1 2PG1-1 2PG2-1 2PG2-1 2PG2-3 2PG1-3 2PG2-3 2PG2-3 2PG2-5 2PG2-5 2PG2-8 2PG1-8 2PG2-8 2PG2-8 2PG1-1 2PG1-1 2PG1-3 2PG1-3 2PG1-3 2PG1-5 2PG1-5 |
| | | 2PG1-8 2PG1-8 |

(1) Available to customers selecting the multiplexed four-wire DSX-channel finterface option and providing subsequent system and channel assignment datalli

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⁽²⁾ Available to customers selecting the multiplexed four-wire high capacity analog channel interface option and providing subsequent systemiand channel assignment data.

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- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service (Continued) ommission;
 - 7.2.1 Analog Services-(Continued)
 - B. Voice Grade Services-(Continued)
 - 14. Available Facility Interface (FI) Combinations-(Continued)

| FI Co | ombinations | | | | Vo | ice | Gr | ade | Se | rvi | ce (| VG) | | |
|-------|-------------|---|---|---|----|----------|----|-----|----|-----|------|-----|----|-----------|
| IC | End User | 1 | 2 | 3 | 4 | <u>5</u> | 6 | Ž | 8 | 9 | 10 | 11 | 12 | <u>13</u> |
| | | | | | | | | | | | | | | |
| 4DX2 | 9DY2 | | | X | | | | X | X | | | | | |
| 4DX2 | 6DY2 | - | | X | | | | X | X | | | | | |
| 4DX2 | 4DY2 | | | X | | | | Х | X | | | | | |
| 4DX2 | 9EA2 | | | X | | | | X | X | | | | | |
| 4DX2 | 6EA2-E | | | X | | | | X | X | | | | | |
| 4DX2 | 6EA2-M | | | X | | | | X | X | X | | | | |
| 4DX2 | 4EA2-E | | | X | | | | X | X | | | | | |
| 4DX2 | 4EA2-M | | | X | | | | X | X | | | | | |
| 4DX2 | 8EB2-E | | | X | | | | X | X | | | | | |
| 4DX2 | 8EB2-M | | | X | | | | X | X | X | | | | |
| 4DX2 | 6EB2-E | | | X | | | | X | X | | | | | |
| 4DX2 | 6EB2-M | | | X | | • | | X | X | | | | | |
| 4DX2 | 2LS2 | | | | | | | | X | | | | | |
| 4DX2 | 4RV2-T | | | X | | | | X | | | | | | |
| 4DX2 | 2RV2-T | | | X | | | | X | | | | | | |

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(CP) ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Channel Interface and Network Channel Codes ~ (Continued)
 - 7.3.5 Compatible Channel Interfaces-(Continued)
 - E. Wideband Analog

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MISSUUKI Public Service Commission

| <u>Compatib</u> | le CI's | Compatible CI's | | | | | | | | |
|---|------------------|------------------|------------------|--|--|--|--|--|--|--|
| 4AH5-B 4AH6-C(1) 4AH6-C 4AH6-D(1) 4AH6-D(1) | 4AH6-C 4AH5-B | 4WD5+3 4WA5+2 | 4WA5-2 4WA5-2 | | | | | | | |

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Public Service Johnmission wire high capacity

(1) Available to customers selecting the multiplexed four-wire high capacity analog channel interface option and providing subsequent system and channel assignment data.

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

RECEIVED

- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)
 - B. Voice Grade Services-(Continued)

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Public Service Commission

14. Available Facility Interface (FI) Combinations-(Gont-Inued)-

| FI Con | nbinations | | | | Vo | ice | Gr | ade | Se | rvi | .ce (| VG) | | |
|--------|------------|----------|---|----|----|-----|----|-----|----|-----|-------|-----|----|----|
| IC | End User | <u>I</u> | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| (T40 F | /DW0 | | | | | | | | | v | | | | |
| 6EA2-E | 4DX 2 | | | | | | | | | X | | | | |
| 6EA2-M | 4DX 2 | | | | | | | | | X | | | | |
| 6EA2-E | 9DY2 | | | X | | | | X | Х | | | | | |
| 6EA2-E | 6DY2 | | | X | | | | X | X | | | | | |
| 6EA2-E | 4DY2 | | | X | | | | X | X | | | | | |
| 6EA2-M | 9DY2 | | | X | | | | Х | x | | | | | |
| 6EA2-M | 6DY2 | | | X | | | | X | X | | | | | |
| 6EA2-M | 4DY2 | | | X | | | | X | X | | | | | |
| | | | | | | | | | | | | | | |
| (710 7 | 0740 | | | 17 | | | | v | v | | | | | |
| 6EA2-E | 9EA2 | | | X | | | | X | X | | | | | |
| 6EA2-M | 9EA2 | | | X | | | | X | X | | | | | |
| 6EA2-E | 6EA2-E | | | X | | | | Х | X | | | | | |
| 6EA2-E | 6EA2-M | | | X | | | | X | X | X | | | | |
| 6EA2-M | 6EA2-E | | | X | | | | X | Х | | | | | |
| 6EA2-M | 6EA2-M | | | X | | | | X | X | X | | | | |
| 6EA2-E | 4EA2-E | | | X | | | | X | X | | | | | |
| 6EA2-E | 4EA2-M | | | X | | | | Х | X | | | | | |
| 6EA2-M | 4EA2-E | | | X | | | | X | X | | | | | |
| 6EA2-M | 4EA2-M | | | X | | | | X | X | | | | | |
| | | | | | | | | | | | | | | |

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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- 7.2 Technical Service Descriptions for Special Access Service-(Continued)

 Public Service Commission
- 7.2.1 Analog Services-(Continued)
 - B. Voice Grade Services-(Continued)
 - 14. Available Facility Interface (FI) Combinations-(Continued)

| FI Com | binations | | | | Vo | ice | Gr | ade | Se | rvi | ce (| (VG) | | |
|--|--|---|---|---------------------------------------|----|----------|----|--------------------------------------|--------------------------------------|---------------|---------|---------------|-------|---------|
| IC | End User | 1 | 2 | 3 | 4 | <u>5</u> | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 6EA2-E 6EA2-M | 4DX2 4DX2 | | | | | | | | | X X | | | | |
| 6EA2-E 6EA2-E 6EA2-E | 9DY2 6DY2 4DY2 | | | X X | | | | X X X | X X X | | | | ת וב | : [m] |
| 6EA2-M 6EA2-M 6EA2-M 6EA2-M 6EA2-E | 9DY2 6DY2 4DY2 2DY2 2DY2 | | | X X X X | | | | X X X X | X |) u ~ | g_{C} | 115 | 1984 | |
| 6EA2-E 6EA2-E 6EA2-E 6EA2-M 6EA2-M 6EA2-E 6EA2-E 6EA2-M 6EA2-M | 9EA2 9EA2 6EA2-E 6EA2-M 6EA2-E 6EA2-M 4EA2-E 4EA2-M 4EA2-E 4EA2-M | | | X X X X X X X X X X X X X X X X X X X | | | | X X X X X X X X | X X X X X X X X | BY PU X | BLIC S | ERVIC OF N | E CON | WISSION |

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(CP)ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Channel Interface and Network Channel Codes-(Continued)

7.3.5 Compatible Channel Interfaces-(Continued)

F. Wideband Data

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| Compati | Compatible CI's | | ble CI's | Compatib | le CI's |
|----------|-----------------|-----------|-----------|----------|----------|
| 8WB5-18S | 12WC6-18 | 8WB5-23A | 10WC6-23 | 8WB5~50A | 10WC6-50 |
| 8WB5-19A | 10WC6-19 | 8WB5-23S | 12WC6-23S | 8WB5~50S | 12WC6~50 |
| 8WB5-19S | 12WC6-19 | 8WB5-40S | 12WC6-40 | | |
| 10WC6-19 | 10WC6-19 | 12WC6-18 | 12WC6-18 | 12WC6-40 | 12WC6~40 |
| 10WC6-23 | 10WC6-23 | 12WC6-19 | 12WC6-19 | 12WC6-50 | 12WC6~50 |
| 10WC6-50 | 10WC6-50 | 12WC6-23S | 12WC6-23S | | |

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.2 Technical Service Descriptions for Special Access Service-(Continued)

7.2.1 Analog Services-(Continued)

AUG 14 (20)

B. Voice Grade Services-(Continued)

MISSOURI

14. Available Facility Interface (FI) Combinations-(Continued) Service Commission

| FI Con | binations | | | | Vo | ice | Gr | ade | Se | rvi | ce (| VG) | | |
|--------|------------------|---|---|---|----|----------|----|-----|----|-----|------|-----|----|----|
| IC | End User | 1 | 2 | 3 | 4 | <u>5</u> | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 6EA2-E | 8EB 2-E | | | Х | | | | Х | X | | | | | |
| 6EA2-E | 8EB 2-M | | | X | | | | X | X | X | | | | |
| 6EA2-E | 6EB 2 − E | | | X | | | | X | X | | | | | |
| 6EA2-E | 6EB 2-M | | | X | | | | X | X | | | | | |
| 6EA2-M | 8EB 2-E | | | X | | | | X | X | | | | | |
| 6EA2-M | 8EB 2-M | | | Х | | | | X | X | X | | | | |
| 6EA2-M | 6EB 2-E | | | X | | | | X | X | | | | | |
| 6EA2-M | 6EB 2-M | | | X | | | | X | X | | | | | |
| 6EA2-E | 2LS2 | | | | | | | | X | | | | | |
| 6EA2-M | 2LS 2 | | | | | | | | X | | | | | |
| 6EA2-E | 4RV2~T | | | X | | | | х | | | | | | |
| 6EA2-M | 4RV2~T | | | X | | | | X | | | | | | |
| 6EA2-E | 2RV2~T | | | Х | | | | Х | | | | | | |
| 6EA2-M | 2RV2-T | | | X | | | | X | | | | | | |

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Public Service Commission

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By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued) .
- 7.2 Technical Service Descriptions for Special Access Service=(Continued)
 - 7.2.1 Analog Services-(Continued)
 - Voice Grade Services-(Continued)
 - 14. Available Facility Interface (FI) Combinations-(Continued)

| FI Con | mbinations | | | | Vo | ice | Gr | ade | Se | rvi | ce_(| VG) | | _ |
|--------|------------|---|---|----|----|----------|----|-----|----|-----|------|-----|----|----|
| IC | End User | 1 | 2 | 3 | 4 | <u>5</u> | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| CD40 E | 2004 E | | | ** | | | | 7.5 | ** | | | | | |
| 6EA2-E | 8EB2-E | | | X | | | | X | X | | | | | |
| 6EA2-E | SEB2-M | | | X | | | | X | X | X | | | | |
| 6EA2-E | 6EB2-E | | | X | | | | X | X | | | | | |
| 6EA2-E | 6EB2-M | | | X | | | | X | X | | | | | |
| 6EA2-M | 8EB2-E | | | X | | | | X | X | | | | | |
| 6EA2-M | 8EB2-M | | | X | • | | | X | X | X | | | | |
| 6EA2-M | 6EB2-E | | | X | | | | X | X | | | | | |
| 6EA2-M | 6EB2-M | | | X | | | | X | X | | | | | |
| 6EA2-E | 4RV2-T | | | X | | | | х | | | | | | |
| 6EA2-M | 4RV2-T | | | X | | | | X | | | | | | |
| 6EA2-E | 2RV2-T | | | X | | | | X | | | | | | |
| 6EA2-M | 2RV2-T | | | X | | | | X | | | | | | |
| | | | | | | | | | | | | | | |

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(CP)ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Channel Interface and Network Channel Codes-(Continued)
- 7.3.5 Compatible Channel Interfaces-(Continued)
- G. Digital Data

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86-84 Secret Commission

| Compatible CI's | Compatible CI's | Compatible CI's |
|--|---|-----------------|
| 4DS9-15(1) 4DU5-24 4DS9-15(1) 4DU5-48 4DS9-15(1) 4DU5-56 4DS9-15(1) 4DU5-96 | 4DU5-24 4DU5-24 4DU5-48 4DU5-48 4DU5-56 4DU5-56 | 4DU5-96 4DU5-96 |

(1) Available to customers selecting the multiplexed four-wire DSX channel interface option and providing subsequent system and channel assignment data.

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Effective: JUL 1 1986

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

- REGEIVED
- 7.2 Technical Service Descriptions for Special Access Service-(Continued) AUG 1 - 100 -
 - 7.2.1 Analog Services-(Continued)
 - Voice Grade Services-(Continued)

Public Service Commission

14. Available Facility Interface (FI) Combinations-(Continued)

| FC Con | nbinations | | | | Vo | ice | Gr | ade | Se | rv1 | ce (| VG) | | |
|---------|------------|----------|---|---|----|----------|----|-----|----|-----|------|-----|----|----|
| IC | End User | <u>ī</u> | 2 | 3 | 4 | <u>5</u> | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 8EB 2-E | 4DX2 | | | | | | | | | х | | | | |
| 8EB 2-M | 4DX2 | | | | | | | | | X | | | | |
| 8EB 2-E | 9DY2 | | | х | | | | X | X | | | | | |
| 8EB 2-E | 6DY2 | | | X | | | | X | X | | | | | |
| 8EB 2-E | 4DY2 | | | X | | | | X | X | | | | | |
| 8EB 2-M | 9DY2 | | | X | | | | X | X | | | | | |
| 8EB 2-M | 6DY2 | | | X | | | | X | X | | | | | |
| 8EB 2-M | 4DY2 | | | X | | | | X | X | | | | | |
| | | | | | | | | | | | | | | |
| 8EB 2-E | 9EA2 | | | X | | | | X | X | | | | | |
| 8EB 2-M | 9EA2 | | | X | | | | X | X | | | | | |
| 8EB 2-E | 6EA2-E | | | X | | | | X | X | | | | | |
| 8EB 2-E | 6EA2-M | | | X | | | | X | X | X | | | | |
| 8EB 2-M | 6EA2-E | | | X | | | | X | X | | | | | |
| 8EB 2-M | 6EA2-M | | | X | | | | X | X | Х | | | | |
| 8EB 2-E | 4EA2-E | | | X | | | | X | X | | | | | |
| 8EB 2-E | 4EA2-M | | | X | | | | X | X | | | | | |
| 8EB 2-M | 4EA2-E | | | X | | | | X | X | | | | | |
| 8EB 2-M | 4EA2-M | | | X | | | | X | X | | | | | |

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)
 - Voice Grade Services-(Continued)
 - 14. Available Facility Interface (FI) Combinations-(Continued)

| FC Cor | mbinations | | | | _Vo | ice | _Gr | ade | Se | rvi | <u>ce</u> (| VG) | | |
|--------|------------|---|---|---|-----|-----|-----|-----|----|-----|-------------|-----|----|----|
| IC | End User | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 8EB2~E | 4DX2 | | | | | | | | | X | | | | |
| 8EB2-M | 4DX2 | | | | | | | | | X | | | | |
| V- | <u>-</u> | | | | | | | | | | | | | |
| 8EB2-E | 9DY2 | | | X | | | | X | X | | | | | |
| 8EB2~E | 6DY2 | | • | X | | | | X | X | | | | | |
| 8EB2~E | 4DY2 | | | X | | | | X | X | | | | | |
| 8EB2-M | 9DY2 | | | X | | | | X | X | | | | | |
| 8EB2-M | 6DY2 | | | X | | | | X | X | | | | | |
| 8EB2-M | 4DY2 | | | X | | | | X | X | | | | | |
| 8EB2-M | 2DY2, | | | X | | | | X | X | | | | | |
| eene e | 0540 | - | | v | | | | 7.5 | 7, | | | | | |
| 8EB2-E | 9EA2 | | | X | | | | X | X | | | | | |
| 8EB2-M | 9EA2 | | | X | | | | X | X | | | | | |
| 8EB2-E | 6EA2-E | | | X | | | | X | X | ٠. | | | | |
| 8EB2-E | 6EA2-M | | | X | | | | X | X | X | | | | |
| 8EB2-M | 6EA2-E | | | X | | | | X | X | | | | | |
| 8EB2-M | 6EA2-M | | | X | | | | X | X | Х | | | | |
| 8EB2-E | 4EA2-E | | | X | | | | X | X | | | | | _ |
| 8EB2-E | 4EA2-M | | | X | | | | X | X | | | | | |
| 8EB2-M | 4EA2-E | | | X | | | | X | X | | | | | |
| 8EB2-M | 4EA2-M | | | X | | | | X | X | | | | | |

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Replacing 1st Revised Sheet 67

(CP)ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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- 7.3 Channel Interface and Network Channel Codes-(Continued)
 - MISSUURI
- 7.3.5 Compatible Channel Interfaces-(Continued)

Public Service Commission

H. High Capacity

| Compatib | le Cl's |
|----------|----------|
| | |
| 4DS0-63 | 4DS0-63 |
| 4DS6-27 | 4DS6-27 |
| 4DS6-44 | 4DS6-44 |
| 4DS9-15 | 4DS9-15 |
| 4DU9-A | 4DS9-15J |
| 4DU9-A | 4DU9-A |
| 4DU9-B | 4DS9-15 |
| 4DU9-B | 4DU9-B |
| 4DU9-C | 4DS9-15K |
| 4DU9-C | 4DU9-C |

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

- REGEIVED
- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)
 - B. Voice Grade Services-(Continued)

MISSOURI Public Service Commission

14. Available Facility Interface (FI) Combinations-(Continued)

| _ | FI Con | mbinations | Voice | Grade Service | | | | | |
|------------|---------|------------|----------------|---------------|---|--|--|--|--|
| | IC | End User | 1 2 3 4 5 | 6 7 8 9 | $\frac{10}{11} \frac{11}{12} \frac{13}{13}$ | | | | |
| | 8EB 2-E | 8EB 2-E | X | х х | | | | | |
| | 8EB 2-E | 8EB 2-M | X | X X X | | | | | |
| | 8EB 2-M | 8EB 2-E | X | хх | | | | | |
| | 8EB 2-M | 8EB 2-M | X | X X X | | | | | |
| (CT) | 8EB 2-E | 6EB 2-E | x | x | | | | | |
| 1 | 8EB 2-E | 6EB 2-M | X | X | | | | | |
| | 8EB 2-M | 6EB 2-E | X | X | | | | | |
| () | 8EB 2-M | 6EB 2-M | X | x | | | | | |
| | 8EB 2~E | 4RV2-T | X | X | | | | | |
| | 8EB 2-M | 4RV2-T | X | X | | | | | |
| | 8EB 2-E | 2RV2-T | X | X | | | | | |
| | 8EB 2-M | 2RV2-T | X | X | | | | | |
| | 8EC2 | 9DY2 | X | х х | | | | | |
| | 8EC2 | 6DY2 | X | X X | | | | | |
| | 8EC2 | 4DY2 | X | X X | | | | | |
| (RT) | | | | | | | | | |
| | 8EC2 | 9EA2 | X | х х | | | | | |
| | 8EC2 | 6EA2-E | X | х х | | | | | |
| | 8EC2 | 6EA2-M | X | ХХ | | | | | |
| | 8EC2 | 4EA2-E | X | X X | | | | | |
| | 8EC2 | 4EA2-M | GANGE | | | | | | |
| | 8EC2 | 8EB 2-E | X | х х | | | | | |
| | 8EC2 | 8EB 2-M | X JUL 1 | 1986 × | | | | | |
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ACCESS SERVICES

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Public Service Cummission :

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)
 - B. Voice Grade Services-(Continued)
 - 14. Available Facility Interface (FI) Combinations-(Continued)

| | nbinations | | Voice: | Grade S | ervice (VG) |
|-----------|------------|-------|--------|----------------------------|--|
| <u>IC</u> | End User | 1 2 3 | 4 5 | <u>6</u> <u>7</u> <u>8</u> | <u>9 10 11 12 13</u> |
| ATDA 7 | 2772 7 | | | | |
| 8EB2-E | 8EB2-E | X | 1 | ХХ | |
| 8EB2-E | 8EB2-M | X | | X X | |
| 8EB2-M | 8EB2-E | Х | | X X | |
| 8EB2-M | 8EB2-M | X | | X X | X |
| AEDO E | orno e | v | 1 | v | |
| 6EB2+E | 8EB2-E | X | 1 | X | |
| 6EB2-E | 8EB2-M | X | | X | |
| 6EB2-M | 8EB2-E | X | | X | - 7 Tai |
| 6EB2-M | 8EB2-M | X | | . X | ANGELLED |
| | | | ; | (P | 以以识尼尼尼尼巴 |
| 8EB2-E | 4RV2-T | X | , | x U |)(K)(K) |
| 8EB2-M | 4RV2-T | X | | X | - OT 1 5 1984 |
| 8EB2-E | 2RV2-T | Х | • | X | QCT 1 5 1984 |
| 8EB2-M | 2RV2-T | X | 1 | X | 1 , $\Omega \setminus I$, I |
| | | | | _ | PUBLIC SERVICE COMMISSION OF MISSOURI |
| 8EC2 · | 9DY2 | х | 1 | χχ | NIBLIC SERVICE COMMISSION |
| 8EC2 | 6DY2 | X | , | XX | MISSOUM |
| 8EC2 | 4DY2 | х | 1 | ХХ | |
| 8EC2 | 2DY2 | Х | ! | хх | |
| | | | ! | | |
| 8EC2 | 9EA2 | X | ı | ХХ | |
| 8EC2 | 6EA2-E | X | | хх | |
| 8EC2 | 6EA2-M | X | | хх | |
| 8EC2 | 4EA2-E | Х | | XX | |
| 8EC2 | 4EA2-M | Х | 1 | , , , | Γ, , , , , , , |
| | | • | | 44 | 10000000000000000000000000000000000000 |
| 8EC2 | 8EB2-E | X | | X X | • |
| 8EC2 | 8EB2-M | X | | X X X X | JAN T 1 1981 |
| | | | | H | 83-253 |
| | | | 1 | | • |
| | | | | į | 5-4 64 -6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6- |
| | | | | | and the second s |

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Effective: JAN 0 1 1984

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No Supplement to this tariff will be issued except for the purpose of canceling this tariff.

Access Services Tariff Section 7 5th Revised Sheet 68 Replacing 4th Revised Sheet 68

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations

This section contains the specific regulations governing the rates and charges that apply for Special Access Service.

7.3.1 Types of Rates and Charges

There are two types of rates and charges. These are monthly rates and nonrecurring charges. The rates and charges are described as follows:

A. Monthly Rates

Monthly rates are flat recurring rates that apply each month or fraction thereof that a Special Access Service is provided. For billing purposes, each month is considered to have 30 days.

B. Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for specific work activities (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for Special Access Service are: installation of service, installation of optional features, BSEs and functions and service rearrangements.

1. Installation of Service

Nonrecurring charges apply to each service installed. The nonrecurring charges for the installation of service are set forth in Paragraph 7.4, following, as a nonrecurring charge for the Channel Termination rate element and are applied per circuit on a first and additional basis for each service ordered. The initial circuit incurs the first nonrecurring charge for each channel termination associated with that circuit. Each subsequent circuit incurs the additional nonrecurring charge for each channel termination associated with that additional circuit.

In order to receive the benefit associated with ordering multiple circuits, the following criteria must be met:

- Same Access Service Order
- Same Application for Service Date
- Same Due Date
- Identical Services
- Same Billing Account Number (BAN)
- Same Originating and Terminating Customer **Designated Premises**

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Issued: March 26, 1993

Access Services Tariff Section 7 4th Revised Sheet 68 Replacing 3rd Revised Sheet 68

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

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7.3 Rate Regulations

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Public Service Commission This section contains the specific regulations governing the rates and charges that apply for Special Access Service.

7.3.1 Types of Rates and Charges

There are two types of rates and charges. These are monthly rates and nonrecurring charges. The rates and charges are described as follows:

A. Monthly Rates

Monthly rates are flat recurring rates that apply each month or one fraction thereof that a Special Access Service is billing purposes. fraction thereof that a Special Access Service is provided 1 to billing purposes. each month is considered to have 20 in the service is provided 1 to be a s billing purposes, each month is considered to have 30 days. The R. Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for specific work activities (i.e., installation or change to an existing service). The types of nonrecurring charges.

Access Service are: inc. features and functions and service rearrangements.

1. Installation of Service

Nonrecurring charges apply to each service installed. The nonrecurring charges for the installation of service are set forth in Paragraph 7.4, following, as a nonrecurring charge for the Channel Termination rate element and are applied per circuit on a first and additional basis for each service ordered. The initial circuit incurs the first nonrecurring charge for each channel termination associated with that circuit. Each subsequent circuit incurs the additional nonrecurring charge for each channel termination associated with that additional circuit.

In order to receive the benefit associated with ordering multiple circuits, the following criteria must be met:

- Same Access Service Order
- Same Application for Service Date
- Same Due Date
- Identical Services
- Same Billing Account Number (BAN)
- Same Originating and Terminating Customer Designated Premises

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Effective: Public Service Commission SEP-4-9-1991

By R. D. BARRON, President-Missouri Division SEP 3 0 1991 Southwestern Bell Telephone Company St. Louis, Missouri

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Access Services Tariff Section 7 3rd Revised Sheet 68 Replacing 2nd Revised Sheet 68

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

SEP 2.5 1989

(F(') 7.3 Rate Regulations

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This section contains the specific regulations governing the Serates Commission charges that apply for Special Access Service.

(F(') 7.3.1 Types of Rates and Charges

There are two types of rates and charges. These are monthly rates and nonrecurring charges. The rates and charges are described as follows:

A. Monthly Rates

(FC)

Montly rates are flat recurring rates that apply each month or fraction thereof that a Special Access Service is provided. For billing purposes, each month is considered to have 30 days.

B. Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for specific work activities (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for Special Access Service are: installation of service, installation of optional features and functions and service rearrangements.

1. Installation of Service

Nonrecurring charges apply to each service installed. The nonrecurring charges for the installation of service are set forth in Paragraph 7.4, following, as a nonrecurring charge for the Channel Termination rate element.

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Public Service Commission MISSOURI

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Issued: SEP 2 5 1989

Effective: OCT 1 Public Service Commission.

Access Services Tariff Section 7 2nd Revised Sheet

Replacing 1st Revised Sheet 68

(CP) ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rate Regulations

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JUN 27 1986

Public Service Commission This section contains the specific regulations governing the rates and charges that apply for Special Access Service.

7.4.1 Types of Rates and Charges

There are two types of rates and charges. These are monthly rates and nonrecurring charges. The rates and charges are described as follows:

A. Monthly Rates

Montly rates are flat recurring rates that apply each month or fraction thereof that a Special Access Service is provided. For billing purposes, each month is considered to have 30 days.

B. Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for specific work activities (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for Special Access Service are: installation of service, installation of optional features and functions and service rearrangements.

1. Installation of Service

Nonrecurring charges apply to each service installed. The nonrecurring charges for the installation of service are set forth in Paragraph 7.5, following, as a nonrecurring charge for the Channel Termination rate element.

CANCELLED

Public Service Commission

MISSOURI

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8 6 - 8 4 Public Service Commission

Access Services Tariff
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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

REGEIVED

- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)

B. Voice Grade Services-(Continued)

Missouri

Public Service Commission

14. Available Facility Interface (FI) Combinations-(Continued)

| | FI Com | FI Combinations IC End User | | | | | ice | Gr | ade | Se | rvi | ce (| VG) | | |
|--------------|------------------|-----------------------------|---|--------|---------|---|----------|----------|--------|--------|-----|------|-----|----|----|
| | IC | End User | 1 | 2 | 3 | 4 | <u>5</u> | <u>6</u> | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| | 8EC2 8EC2 | 6EB 2-E 6EB 2-M | | | X X | | | | X X | X X | | | | | |
| (AT) | 6EX2-A | 6GS2(1) | | | X | | | | Х | | | | | | |
| (RT) | 6EX2-A 6EX2-A | 4GS 2 2GS 2 | x | | X X | | | | X X | | | | | | |
| (TA) | 6EX2-A | 2GS3 | | | X | | | | X | | | | | | |
| | 6EX2-B | 2LA2 | | X | | | | | X | | | | | | |
| | 6EX2-B | 2LB 2 | | X | | | | | X | | | | | | |
| | 6EX2-B | 2LC2 | | X | | | | | X | | | | | | |
| | 6EX2-B 6EX2-B | 2L02 2L03 | X | X | | | | | X | | | | | | |
| (RT) (RT) | | | | | | | | | | | | | | | |
| | 6EX2-A 6EX2-A | 4LS2 2LS2 | X | X X | X X | | | | X X | | | | | | |
| | 6EX2 - A | 2LS 3 | | X | x (f | | | | X Z | | 3 | Ĵ | | | |

JUL 1 1986

(AT) (1) This facility interface combination is applicable very centrex c.o. service only.

OCT : 5 1984

Issued: AUG 1 5 1984

Effective: OCT 1 5 1984

Public Service Commission

ACCESS SERVICES

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- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service-(Continued)...
 Public Service Commission
 - 7.2.1 Analog Services-(Continued)
 - B. Voice Grade Services-(Continued)
 - 14. Available Facility Interface (FI) Combinations-(Continued)

| FI Com | binations | | | | Vo | ice | Gr | ade | Se | rvi | ce (| VG) | | |
|--------|-----------|---|---|---|----|----------|----|-----|----------|------------------|--------------------|--------|--------------------|-----------|
| IC | End User | 1 | 2 | 3 | 4 | <u>5</u> | 6 | 7 | <u>8</u> | 9 | 10 | 11 | 12 | <u>13</u> |
| 8EC2 | 6EB2-E | | | X | | | | X | Х | | | | | |
| 8EC2 | 6EB2-M | | | X | | | | X | X | | | | | |
| 6EX2-A | 4GS2 | Х | | X | | | | Х | | | | | | |
| 6EX2-A | 2GS2 | X | | X | | | | X | | | | | | |
| 6EX2-B | 2LA2 | | X | | | | | X | | | | | | |
| 6EX2-B | 2LB2 | | X | | | | | X | | | | .a. 1 | 1日 | līri) |
| 6EX2-B | 2LC2 | | X | | | | | X | ر آ | | O | | LE | |
| 6EX2-B | 2L02 | X | | | | | | | w | ՄԱ | | . K 1 | 1484 | |
| 6EX2-B | 2L03 | | X | | | | | X | | • | $Ig_{\mathcal{G}}$ | 10 | 4861 \ | d |
| 6EX2-B | 4LR2 | | X | | | | | | | 1 | gt. | B | -0 | USSION |
| 6EX2-B | 2LR2 | | X | | | | | | 8 | ســـ ۲ DI IBL | C SER | VICE | COun. | ISSION |
| 6EX2-A | 4LS2 | | X | X | | | | X | , | , 00 | Ę |)r ^^= | | |
| 6EX2-A | 2LS2 | Х | X | X | | | | X | | | | | | |
| 6EX2-A | 2LS3 | | X | X | | | | X | | | | | | |

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ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Rate Regulations-(Continued)
- 7.3.1 Types of Rates and Charges-(Continued)
- B. Nonrecurring Charges-(Continued)
 - 2. Installation of Optional Features, BSEs and Functions

Nonrecurring charges apply for the installation of some of the optional features, BSEs and functions available with Special Access Service. The charge applies whether the feature, BSE or function is installed coincident with the initial installation of service or at any time subsequent to the installation of service.

The optional features and BSEs for which nonrecurring charges apply are:

- Voice Grade(1) Data Capability
- Voice Grade(1) Improved Attenuation Distortion
- Voice Grade(1) Improved Echo Control (CP)
 - High Capacity Clear Channel Capability
- MegaLink Data(1) Loop Transfer Arrangement (CP)
- MegaLink Data(1) Secondary Channel (CP)
- High Capacity Transfer Arrangement
- Service Rearrangements

CANCELLED - Missouri Public Service Commission - 05/01/2024 - TN-2024-0278 - JI-2024-0140

Service Rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements as set forth in Section 5, Paragraph 5.2.6 and 5.2.7, preceding, or a change in the physical location of the point of termination at a customer-designated premises. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts.

Changes in the physical location of the point of termination are treated as moves and are described and charged for as set forth in Paragraph 7.3.5, following.

The charge to the customer for the service rearrangement is dependent on whether the change is administrative only in nature or involves actual physical change to the service.

Certain administrative changes will be made without charge(s) to the customer. These administrative changes are as follows:

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

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(CP)

(AT)

P.S.C. Mo. - No. 36 ACCESS SERVICES TARIFF

Southwestern Bell Telephone Company d/b/a AT&T Missouri Section 7 8th Revised Sheet 69 Replacing 7th Revised Sheet 69

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Rate Regulations-(Continued)
- 7.3.1 Types of Rates and Charges-(Continued)
- B. Nonrecurring Charges-(Continued)
 - 2. Installation of Optional Features, BSEs and Functions

Nonrecurring charges apply for the installation of some of the optional features, BSEs and functions available with Special Access Service. The charge applies whether the feature, BSE or function is installed coincident with the initial installation of service or at any time subsequent to the installation of service.

The optional features and BSEs for which nonrecurring charges apply are:

- Voice Grade Data Capability
- Voice Grade Improved Attenuation Distortion
- Voice Grade Improved Echo Control
- High Capacity Clear Channel Capability
- MegaLink Data Loop Transfer Arrangement
- MegaLink Data Secondary Channel
- High Capacity Transfer Arrangement
- 3. Service Rearrangements

Service Rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements as set forth in Section 5, Paragraph 5.2.6 and 5.2.7, preceding, or a change in the physical location of the point of termination at a customer-designated premises. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts.

Changes in the physical location of the point of termination are treated as moves and are described and charged for as set forth in Paragraph 7.3.5, following.

The charge to the customer for the service rearrangement is dependent on whether the change is administrative only in nature or involves actual physical change to the service.

Certain administrative changes will be made without charge(s) to the customer. These administrative changes are as follows:

(RT)

Issued: October 21, 2014

Effective: November 20, 2014

P.S.C. Mo. - No. 36 ACCESS SERVICES TARIFF

Southwestern Bell Telephone Company d/b/a AT&T Missouri Section 7 7th Revised Sheet 69 Replacing 6th Revised Sheet 69

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
 - 7.3 Rate Regulations-(Continued)
 - 7.3.1 Types of Rates and Charges-(Continued)
 - B. Nonrecurring Charges-(Continued)
 - 2. Installation of Optional Features, BSEs and Functions

Nonrecurring charges apply for the installation of some of the optional features, BSEs and functions available with Special Access Service. The charge applies whether the feature, BSE or function is installed coincident with the initial installation of service or at any time subsequent to the installation of service.

The optional features and BSEs for which nonrecurring charges apply are:

- Voice Grade Data Capability
- Voice Grade Improved Attenuation Distortion
- Voice Grade Improved Echo Control
- High Capacity Clear Channel Capability
- Wideband Data Transfer Arrangement
- MegaLink Data Loop Transfer Arrangement
- MegaLink Data Secondary Channel
- High Capacity Transfer Arrangement
- 3. Service Rearrangements

Service Rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements as set forth in Section 5, Paragraph 5.2.6 and 5.2.7, preceding, or a change in the physical location of the point of termination at a customer-designated premises. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts.

Changes in the physical location of the point of termination are treated as moves and are described and charged for as set forth in Paragraph 7.3.5, following.

The charge to the customer for the service rearrangement is dependent on whether the change is administrative only in nature or involves actual physical change to the service.

Certain administrative changes will be made without charge(s) to the customer. These administrative changes are as follows:

(RT)

Issued: November 9, 2011 CANCELED November 20, 2014 Missouri Public Service Commission JI-2015-0173

By JOHN SONDAG, President - Missouri St. Louis, Missouri Effective: December 9, 2011

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Missouri Public

Service Commission

JI-2012-0208

Access Services Tariff
Section 7
6th Revised Sheet 69
Replacing 5th Revised Sheet 69

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Rate Regulations-(Continued)
- 7.3.1 Types of Rates and Charges-(Continued)
- B. Nonrecurring Charges-(Continued)
- (AT) 2. Installation of Optional Features, BSEs and Functions
- Nonrecurring charges apply for the installation of some of the optional features, BSEs and functions available with Special Access Service. The charge applies whether the feature, BSE or function is installed coincident with the initial installation of service or at any time subsequent to the installation of service.
- (AT) The optional features and BSEs for which nonrecurring charges apply are:
 - Voice Grade Data Capability
 - Voice Grade Improved Attenuation Distortion
 - Voice Grade Improved Echo Control
 - High Capacity Clear Channel Capability
 - Wideband Data Transfer Arrangement
 - MegaLink Data Loop Transfer Arrangement
 - MegaLink Data Secondary Channel
 - High Capacity Automatic Loop Transfer
 - High Capacity Transfer Arrangement
 - 3. Service Rearrangements

Service Rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements as set forth in Section 5, Paragraph 5.2.6 and 5.2.7, preceding, or a change in the physical location of the point of termination at a customer-designated premises. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts.

Changes in the physical location of the point of termination are treated as moves and are described and charged for as set forth in Paragraph 7.3.5, following.

The charge to the customer for the service rearrangement is dependent on whether the change is administrative only in nature or involves actual physical change to the service.

Certain administrative changes will be made without charge(s) to the customer.

These administrative changes are as follows:

CANCELLED
December 9, 2011
Missouri Public
Service Commission
JI-2012-0208

Issued:

Access Services Tariff
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5th Revised Sheet 69
Replacing 4th Revised Sheet 69

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.3 Rate Regulations-(Continued)

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7.3.1 Types of Rates and Charges-(Continued)

MISSOURI Public Service Commission

- B. Nonrecurring Charges-(Continued)
 - 2. Installation of Optional Features and Functions

Nonrecurring charges apply for the installation of some of the optional features and functions available with Special Access Service. The charge applies whether the feature or function is installed coincident with the initial installation of service or at any time subsequent to the installation of service.

The optional features for which nonrecurring charges apply are:

- Voice Grade Data Capability

- Voice Grade Improved Attenuation Distortion

- Voice Grade Improved Echo Control

- High Capacity Clear Channel Capability

- Wideband Data Transfer Arrangement

- Megalink Data Loop Transfer Arrangement

- MegaLink Data Secondary Channel

- High Capacity Automatic Loop Transfer

- High Capacity Transfer Arrangement

CANCELLED

APR 11 1993 BY 624 R.S. 69

Public Service Commission MISSOURI

3. Service Rearrangements

Service Rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements as set forth in Section 5, Paragraph 5.2.6 and 5.2.7, preceding, or a change in the physical location of the point of termination at a customer-designated premises. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts.

Changes in the physical location of the point of termination are treated as moves and are described and charged for as set forth in Paragraph 7.3.5, following.

The charge to the customer for the service rearrangement is dependent on whether the change is administrative only in nature or involves actual physical change to the service.

Certain administrative changes will be made without charge(s) to the customer.

SEP 3 0 1991

These administrative changes are as follows:

Issued: AUG 0 9 1991

President-Missouri Division 2001 3 0 1991

By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company

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Access Services Tariff
Section 7
4th Revised Sheet 69
Replacing 3rd Revised Sheet 69

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

FEB 20 1990

7.3 Rate Regulations-(Continued)

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7.3.1 Types of Rates and Charges-(Continued)

MISSOURI
Public Service Commission

- B. Nonrecurring Charges-(Continued)
 - 2. Installation of Optional Features and Functions

Nonrecurring charges apply for the installation of some of the optional features and functions available with Special Access Service. The charge applies whether the feature or function is installed coincident with the initial installation of service or at any time subsequent to the installation of service.

The optional features for which nonrecurring charges apply are:

- Voice Grade Data Capability

- High Capacity Clear Channel Capability

CANCELLED

SEP 3 0 1991,

- Wideband Data Transfer Arrangement

3. Service Rearrangements

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Service Rearrangements are changes to existing (installed) services which do not result in either a change in the mildhum period remunission quirements as set forth in Sections 5.2.5 and 5.2.6 preceding of a change in the physical location of the point of termination at a customer-designated premises. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts.

Changes in the physical location of the point of termination are treated as moves and are described and charged for as set forth in 7.3.5 following.

The charge to the customer for the service rearrangement is dependent on whether the change is administrative only in nature or involves actual physical change to the service.

Administrative changes will be made without charge(s) to the customer. Such changes require the continued provision and billing of the Access Service to the same entity (i.e., customer remains responsible for all outstanding indebtedness for the Access Service). Administrative changes are as follows:

Issued: FEB 2 2 1990

Effective: MAR 2 6 1990

FILED

By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

MAR 26 1990

Access Services Tariff Section 7 3rd Revised Sheet 69 Replacing 2nd Revised Sheet 69

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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(FC) 7.3 Rate Regulations-(Continued)

SEP 25 1989

(F(1))7.3.1 Types of Rates and Charges-(Continued)

MISSOURI Public Service Commission

B. Nonrecurring Charges-(Continued)

2. Installation of Optional Features and Functions

Nonrecurring charges apply for the installation of some of the optional features and functions available with Special Access Service. The charge applies whether the feature or function is installed coincident with the initial installation of service or at any time subsequent to the installation of service.

The optional features for which nonrecurring charges apply are CANCELLED

- Voice Grade Data Capability

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- Wideband Data Transfer Arrangement

MAR 26 1990 BY 40 R.S. #69 Public Service Commission

Service Rearrangements

MISSOURI

Service Rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements as set forth in Sections 5.2.5 and 5.2.6 preceding, or a change in the physical location of the point of termination at a customer-designated premises. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts.

Changes in the physical location of the point of termination are treated as moves and are described and charged for as set forth in 7.3.5 following.

The charge to the customer for the service rearrangement is dependent on whether the change is administrative only in nature or involves actual physical change to the service.

Administrative changes will be made without charge(s) to the customer. Such changes require the continued provision and billing of the Access Service to the same entity (i.e., customer remains responsible for all outstanding indebtedness for the Access Service | [Administrative changes are as follows:

Issued: SEP 2 5 1989

Effective: OCTplblic 989 vice Commission

Access Services Tariff Section 7 2nd Revised Sheet 69

Replacing-1st-Revised-Sheet-69

JUN 27 1986

(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rate Regulations-(Continued)
- 7.4.1 Types of Rates and Charges-(Continued)
- B. Nonrecurring Charges-(Continued)
 - 2. Installation of Optional Features and Functions

MISSOURI **Public Service Commission**

Nonrecurring charges apply for the installation of some of the optional features and functions available with Special Access Service. The charge applies whether the feature or function is installed coincident with the initial installation of service or at any time subsequent to the installation of service.

The optional features for which nonrecurring charges apply are:

- Voice Grade Data Capability
- Program Audio Gain Conditioning
- Program Audio Stereo
- Wideband Data Transfer Arrangement

MISSOURI

3. Service Rearrangements

Service Rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements as set forth in Section 5.2.5 and 5.2.6 preceding or a change in the physical location of the point of termination at a customerdesignated premises. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts.

Changes in the physical location of the point of termination are treated as moves and are described and charged for as set forth in 7.4.5 following.

The charge to the customer for the service rearrangement is dependent on whether the change is administrative only in nature or involves actual physical change to the service.

Administrative changes will be made without charge(s) to the customer. Such changes require the continued provision and billing of the Access Service to the same entity (i.e., customer_remains_responsible for all outstanding indebtedness for the Access Service ministrative changes are as follows:

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86-84 Public Service Commission

Issued: 10N 27 1986

Effective: JUL

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

7.2 Technical Service Descriptions for Special Access Service-

7.2.1 Analog Services-(Continued)

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B. Voice Grade Services-(Continued)

14. Available Facility Interface (FI) Combinations-(Continued) Twice Commission

| | FI Co | Voice Grade Service (VG) | | | | | | | | | | | | | | |
|------|-------|--------------------------|----------------|----------|-----|-------|---|-----|---------------|---|---|----|----|---------------------------|----|-----------|
| | IC | End User | <u>1</u> | <u>2</u> | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | |
| (AT) | 4000 | 6003(1) | | | v | | | | X | | | | | | | |
| (AT) | 4G02 | 6GS2(1) | | | X | | | | | | | | | | | |
| | 4G02 | 4GS 2 | ** | | X | | | | X | | | | | | | |
| | 4G02 | 2GS 2 | X | | Х | | | | X | | | | | | | |
| | 4GO 2 | 2GS 3 | | | X | | | | X | | | | | | | |
| | 2GO 2 | 2GS 2 | X | | | | | | | | | | | | | |
| (AT) | 2GO 3 | 2GS 3 | X | | | | | | | | | | | | | |
| | 2GS3 | 2GS 2 | X | | | | | | | | | | | | | |
| | 4GS2 | 2GO2 | X | | | | | | | | | | | | | |
| | 2GS 2 | 2GO2 | X | | | | | | | | | | | | | |
| | 2GS 3 | 2GO 2 | X | | | | | | | | | | | | | |
| | 4L02 | 4LS2 | | Х | X | | | | X | | | | | | | |
| | 4L02 | 2LS 2 | Х | X | Х | | | | X | | | | | | | |
| | 4L02 | 2LS 3 | | X | X | | | | X | | | | | | | |
| | 2L03 | 2LS 2 | X | | | | | | | | | | | | | |
| (MT) | 2L02 | 2LS 2 | X | | | | | | | | | | | | | |
| | 4LR2 | 4LR2 | | X | | | | | | | | | | | | |
| | 4LR2 | 2LR2 | | X X | | | | | | | | | | | | |
| (RT) | | | | | | | | | | | | | | | | |
| | 4LS2 | 21.A2 | | X | | | | | X | | | | | | | |
| | 4LS2 | 2LB 2 | CANGELLED | | | | | | | | | | | | | |
| | 4LS2 | 2LC2 | X JUL 1 1986 X | | | | | | | | | | | | | |
| | | | | | .ıl | ال ال | L | 100 | $\overline{}$ | | | | | A STATE OF THE PERSONS IN | - | Section 1 |

(AT) (1) This facility interface combination is applicable with Centrex C.O.Osdrvice 1984 only.

Public Service Commission

AUS 1 5 1984 Issued:

OCT 1 5 1984 Effective:

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- SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Technical Service Descriptions for Special Access Service-(Con Dinued)
 - 7.2.1 Analog Services-(Continued)
 - B. Voice Grade Services-(Continued)

Public Service Commission:

14. Available Facility Interface (FI) Combinations-(Continued)

| FI Co | Voice Grade Service (VG) | | | | | | | | | | | | | |
|-------|--------------------------|---|---|---|---|----|---|---|---|-----|--------|---------------|---------|------------|
| IC | End User | 1 | 2 | 3 | 4 | 5_ | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 1.500 | 1050 | • | - | | | | | | | | | | | |
| 4GO2 | 4GS2 | | | X | | | | X | | | | | | |
| 4GO2 | 2GS2 | X | | X | | | | X | | | | | | |
| 4G02 | 2GS3 | | | X | | | | X | | | | | | |
| 2G02 | 2GS2 | X | | | | | | | | | | | | |
| 2GS3 | 2GS2 | X | | | | | • | | | | | | | |
| 4GS2 | · 2G02 | х | | | | | | | | | | | | |
| 2GS2 | 2GO2 | X | | • | | | | | | | | | | |
| 2GS3 | 2GO2 | X | | | | | | | | | | | | |
| 4L02 | 4LS2 | | Х | X | | | | Х | | • | | | | |
| 4L02 | 2LS2 | X | X | X | | | | X | | | | | _ | (B) |
| 4L02 | 2LS3 | | X | X | | | | X | | ⇔ r | י מח | m F | II II | 15111 |
| 2L03 | 2LS2 | X | | | | | | | | (G) | | 少に | שותי, | ED |
| 2L02 | 2LS2 | X | | | | | | | | | 00 | TI | 5 191 | 34 1 Q1 |
| 4LR2 | 4LR2 | | X | | | | | | | | 100 | 2 1 | | 101_ |
| 4LR2 | 2LR2 | | X | | | | | | | BY, | | | | AMISSION |
| 2LR2 | 2LR2 | | X | | | | | | | PU | BLIC S | ERVIC OF M | issouli | AMISSION |
| 4LS2 | 2LA2 | | X | | | | | x | | | | | | |
| 4LS2 | 2LB2 | | X | | | | | X | | | | | | |
| 4LS2 | 2LC2 | | X | | | | | X | | | | | | |

Issued: DEC 29 1983

Effective: JAN 0 1 1984

Southwestern Bell Telephone Company d/b/a AT&T Missouri Section 7 4th Revised Sheet 69.1 Replacing 3rd Revised Sheet 69.1

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Rate Regulations-(Continued)
- 7.3.1 Types of Rates and Charges-(Continued)
- B. Nonrecurring Charges-(Continued)
 - 3. Service Rearrangements-(Continued)
 - -Change of customer name, (i.e., the customer of record does not change, but rather the customer of record changes its name (e.g., AT&T-Long Lines to AT&T Communications),
 - -Change of customer or customer's end user premises address when the change of address is not a result of a physical relocation of the service,
 - -Change in billing date (name, address or contact name or telephone number),
 - -Change of agency authorization,
 - -Change of customer test line number,
 - -Change of customer or customer's end user contact name or telephone number, and
 - -Change of jurisdiction.

Issued: May 28, 2021

Administrative changes for which nonrecurring charges will apply are set forth as follows:

A change in the customer record (i.e., existing access service is provided and billed to a different entity) is considered an administrative service rearrangement when the new customer assumes liability for all current and prior charges for the service(s) and has complied with the regulations and conditions as set forth in Section 2, Paragraph 2.2.1, preceding, for the assignment and transfer of facilities, and no physical relocation or rearrangement of the service |is required.

A nonrecurring charge will apply per circuit on a first and additional basis for the following change or combination of changes requested by the customer on the same Access Order and will be charged as set forth in Paragraph 7.4.10.

- -Change of Access Carrier Name abbreviation (ACNA),
- -Change of Billing Account Number (BAN) (e.g., a customer requests to aggregate all voice Grade(1) circuits on BAN),

-Change of customer Circuit Identification (CKR).

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

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(CP)

Effective: June 30, 2021

Access Services Tariff
Section 7
3rd Revised Sheet 69.01
Replacing 2nd Revised Sheet 69.01

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

- 7.3 Rate Regulations-(Continued)
- 7.3.1 Types of Rates and Charges-(Continued)
- B. Nonrecurring Charges-(Continued)
 - 3. Service Rearrangements-(Continued)
 - -Change of customer name, (i.e., the customer of record does not change, but rather the customer of record changes its name (e.g., AT&T-Long Lines to AT&T Communications),
 - -Change of customer or customer's end user premises address when the change of address is not a result of a physical relocation of the service,
 - -Change in billing date (name, address or contact name or telephone number),
 - -Change of agency authorization,

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- -Change of customer test line number,
- -Change of customer or customer's end user contact name or telephone number, and
- -Change of jurisdiction.

(AT) Administrative changes for which nonrecurring charges will apply are set forth as follows:

A change in the customer record (i.e., existing access service is provided and billed to a different entity) is considered an administrative service rearrangement when the new customer assumes liability for all current and prior charges for the service(s) and has complied with the regulations and conditions as set forth in Section 2, Paragraph 2.2.1, preceding, for the assignment and transfer of facilities, and no physical relocation or rearrangement of the service is required.

A nonrecurring charge will apply per circuit on a first and additional basis for the following change or combination of changes requested by the customer on the same Access Order and will be charged as set forth in Paragraph 7.4.10.

- -Change of Access Carrier Name abbreviation (ACNA),
- -Change of Billing Account Number (BAN) (e.g., a customer requests to aggregate all voice grade circuits on BAN),
- -Change of customer Circuit Identification (CKR).

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.3 Rate Regulations-(Continued)

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7.3.1 Types of Rates and Charges-(Continued)

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B. Nonrecurring Charges-(Continued)

Public Service Commission

- Service Rearrangements-(Continued)
 - Change of customer name, (i.e., the customer of record does not change, but rather the customer of record changes its name (e.g., AT&T-Long Lines to AT&T Communications).
 - Change of customer or customer's end user premises address when the change of address is not a result of a physical relocation of equipment,
 - Change in billing date (name, address or contact name or telephone number),
 - Change of agency authorization,
 - Change of customer circuit identification,
 - Change of billing account number,

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- Change of customer test line number,
- Change of customer or customer's end user contact name of ptelephone number, and
- Change of jurisdiction.

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Public Service Commission All other service rearrangements will be charged for as follows: URI

- If the change involves the addition of other customer-designated premises to an existing multipoint service, the nonrecurring charge for the channel termination rate element will apply. The charge(s) will apply only for the location(s) that is being added.
- If the change involves the addition of an optional feature or function which has a separate nonrecurring charge, that nonrecurring charge will apply.
- If the change involves changing the type of signaling on a Voice Grade service, a charge equal to the Voice Grade channel termination rate element nonrecurring charge will apply. The charge will apply per service termination affected.
- For all other changes, including the addition of an optional feature or function without a separate nonrecurring charge or the retermination of Special Access circuits in a Network Reconfiguration Service Hub, a charge equal to a channel termination rate element nonrecurring charge will apply. Only one such charge will apply per service, per change.

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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(F(') 7.3 Rate Regulations-(Continued)

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7.3.1 Types of Rates and Charges-(ContAbuled) 2 1991 (F(')

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- B. Nonrecurring Charges-(Continued) BY 2 mars, 769.01 Public Service Commission

 3. Service Rearrangements-(Continued) Commission
 - 3. Service Rearrangements-(ContinuedSOURI
 - Change of customer name, (i.e., the customer of record does not change, but rather the customer of record changes its name (e.g., AT&T-Long Lines to AT&T Communications),
 - Change of customer or customer's end user premises address when the change of address is not a result of a physical relocation of equipment,
 - Change in billing date (name, address or contact name or telephone number).
 - Change of agency authorization,
 - Change of customer circuit identification,
 - Change of billing account number,
 - Change of customer test line number,
 - Change of customer or customer's end user contact name or telephone number, and
 - Change of jurisdiction.
 - All other service rearrangements will be charged for as follows:
 - If the change involves the addition of other customer-designated premises to an existing multipoint service, the nonrecurring charge for the channel termination rate element will apply. The charge(s) will apply only for the location(s) that is being added.
 - If the change involves the addition of an optional feature or function which has a separate nonrecurring charge, that nonrecurring charge will apply.
 - If the change involves changing the type of signaling on a Voice Grade service, a charge equal to the Voice Grade channel termination rate element nonrecurring charge will apply. The charge will apply per service termination affected.
 - For all other changes, including the addition of an optional feature or function without a separate nonrecurring charge, a charge equal to a channel termination rate element nonrecurring charge will apply. Only one such charge will apply per service, per change.

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(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rate Regulations ~ (Continued)
- 7.4.1 Types of Rates and Charges-(Continued)
- B. Nonrecurring Charges-(Continued)
 - 3. Service Rearrangements-(Continued)
 - Change of customer name, (i.e., the customer of record does not change, but rather the customer of record changes its name (e.g., AT&T-Long Lines to AT&T Communications),
 - Change of customer or customer's end user premises address when the change of address is not a result of a physical relocation of equipment,
 - Change in billing date (name, address or contact name or telephone number),
 - Change of agency authorization,
 - Change of customer circuit identification.

 - Change of customer test line number,

 phone number, and

 Change of jurisdiction.

All other service rearrangements will be charged for as follows:

- If the change involves the addition of other customer-designated premises to an existing multipoint service, the nonrecurring charge for the channel termination rate element will apply. The charge(s) will apply only for the location(s) that is being added.

- If the change involves the addition of an optional feature or function which has a separate nonrecurring charge, that nonrecurring charge will apply.

- If the change involves changing the type of signaling on a Voice Grade service, a charge equal to the Voice Grade channel termination rate element nonrecurring charge will apply. The charge will

apply per service termination affected. - For all other changes, including the addition of an optional feature or function without a separate nonrecurring charge, a charge equal to a channel termination rate element nonrecurring charge

will apply. Only one such charge will apply per service, per

change.

86-84 Public Service Commission

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By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

Access Services Tariff
Section 7
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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE

- 7.3 Rate Regulations (cont'd)
 - 7.3.1 Types of Rates and Charges (cont'd)
 - B. Nonrecurring Charges (cont'd)
 - 3. Service Rearrangements (cont'd)

Each leg of a multipoint service will be treated as a separate circuit and nonrecurring charges will apply per leg on a first and additional basis. If a change(s) for more than one multipoint service is requested on the same access order, one first nonrecurring charge will apply to a leg of the first multipoint service. One additional nonrecurring charge will apply to each of the remaining legs of all multipoint services on the same access order.

The customer requesting administrative service rearrangements will be responsible for all billing associated with the changes requested.

When a change of customer name and change in billing data (name, address, contact name, or telephone number) are requested in association with a change in the customer of record, the access order charge will apply as set forth in Section 5, Paragraph 5.2.2.

All other service rearrangements will be charged for as follows:

- If the change involves the addition of other customer-designated premises to an existing multipoint service, the nonrecurring charge for the channel termination rate element will apply. The charge(s) will apply only for the location(s) that is being added.
- If the change involves the addition of an optional feature, BSE or function which has a separate nonrecurring charge, that nonrecurring charge will apply.
- If the change involves changing the type of signaling on a Voice Grade service, a charge equal to the Voice Grade channel termination rate element nonrecurring charge will apply. The charge will apply per service termination affected.
- For all other changes, including the addition of an optional feature, BSE or function without a separate nonrecurring charge, or the retermination of Special Access circuits in a Network Reconfiguration Service Hub or a charge equal to a channel termination rate element, a nonrecurring charge will apply. Only one such charge will apply per service, per change.

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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7.3 Rate Regulations-(Continued)

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7.3.1 Types of Rates and Charges-(Continued)

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B. Nonrecurring Charges-(Continued)

Service Rearrangements-(Continued)

Each leg of a multipoint service will be treated as a separate circuit and nonrecurring charges will apply per leg on a first and additional basis. If a change(s) for more than one multipoint service is requested on the same access order, one first nonrecurring charge will apply to a leg of the first multipoint service. One additional nonrecurring charge will apply to each of the remaining legs of all multipoint services on the same access order.

The customer requesting administrative service rearrangements will be responsible for all billing associated with the changes requested.

When a change of customer name and change in billing data (name, address, contact name, or telephone number) are requested in association with a change in the customer of record, the access order charge will apply as set forth in Section 5, Paragraph 5.2.2.

All other service rearrangements will be charged for as follows:

- If the change involves the addition of other customer-designated premises to an existing multipoint service, the nonrecurring charge for the channel termination rate element will apply. The charge(s) will apply only for the location(s) that is being added.

- If the change involves the addition of an optional feature, BSE or function which has a separate nonrecurring charge, that nonrecurring

charge will apply.

- If the change involves changing the type of signaling on a Voice Grade service, a charge equal to the Voice Grade channel termination rate element nonrecurring charge will apply. The charge will

apply per service termination affected.

- For all other changes, including the addition of an optional feature, BSE or function without a separate nonrecurring charge, or the retermination of Special Access circuits in a Network Reconfiguration Service Hub or Transport Resource Management Service, a charge equal to a channel termination rate element nonrecurring charge will apply. Only one such charge will apply per service, per change

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SEP 26 1994

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By M. H. SCHULTEIS, Executive Director-External Aptolic Service Commission

Southwestern Bell Telephone St. Louis, Missouri

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.3 Rate Regulations-(Continued)

MAR 29 1993

7.3.1 Types of Rates and Charges-(Continued)

MISSOURI Public Service Commission

B. Nonrecurring Charges-(Continued)

Service Rearrangements-(Continued)

Each leg of a multipoint service will be treated as a separate circuit and nonrecurring charges will apply per leg on a first and additional basis. If a change(s) for more than one multipoint service is requested on the same access order, one first nonrecurring charge will apply to a leg of the first multipoint service. One additional nonrecurring charge will apply to each of the remaining legs of all multipoint services on the same access order.

The customer requesting administrative service rearrangements will be responsible for all billing associated with the changes requested.

When a change of customer name and change in billing data (namerile) address, contact name, or telephone number) are requested in association with a change in the customer of record, the access order charge will apply as set forth in Section 5, Paragraph 5.2.2.

All other service rearrangements will be charged for as follows: 1,569.0

- If the change involves the addition of other customer-designated Commission premises to an existing multipoint service, the nonrecurring/IISSOURI charge for the channel termination rate element will contact the charge (e) will contact charge(s) will apply only for the location(s) that is being added.

- If the change involves the addition of an optional feature, BSE or function which has a separate nonrecurring charge, that nonrecurring

charge will apply.

- If the change involves changing the type of signaling on a Voice Grade service, a charge equal to the Voice Grade channel termination rate element nonrecurring charge will apply. The charge will apply per service termination affected.

- For all other changes, including the addition of an optional feature, BSE or function without a separate nonrecurring charge, or the retermination of Special Access circuits in a Network Reconfiguration Service Hub, a charge equal to a channel termination rate element nonrecurring charge will apply. Only one such charge will apply per service, per change.

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MAR 2 6 1993

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By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

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ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

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7.3 Rate Regulations-(Continued)

MISSOURI Public Service Commission

7.3.1 Types of Rates and Charges-(Continued)

B. Nonrecurring C

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3. Service Rearrangements-(Continued) By Latt Commission
Each leg of a multiple Public Service Commission Service Rearrangements-(Continued) NISSOURI

Each leg of a multipoint service will be treated as a separate circuit

and nonrecurring charges will apply per leg on a first and additional basis. If a change(s) for more than one multipoint service is requested on the same access order, one first nonrecurring charge will apply to a leg of the first multipoint service. One additional nonrecurring charge will apply to each of the remaining legs of all multipoint services on the same access order.

The customer requesting administrative service rearrangements will be responsible for all billing associated with the changes requested.

When a change of customer name and change in billing data (name, address, contact name, or telephone number) are requested in association with a change in the customer of record, the access order charge will apply as set forth in Section 5, Paragraph 5.2.2.

All other service rearrangements will be charged for as follows:

- If the change involves the addition of other customer-designated premises to an existing multipoint service, the nonrecurring charge for the channel termination rate element will apply. The charge(s) will apply only for the location(s) that is being added.

- If the change involves the addition of an optional feature or function which has a separate nonrecurring charge, that nonrecurring charge will apply.

- If the change involves changing the type of signaling on a Voice Grade service, a charge equal to the Voice Grade channel termination rate element nonrecurring charge will apply. The charge will apply per service termination affected.

- For all other changes, including the addition of an optional feature or function without a separate nonrecurring charge, or the retermination of Special Access circuits in a Network Reconfiguration Service Hub, a charge equal to a channel termination rate element nonrecurring charge will apply. Only one such charge will apply per service, per change.

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No Supplement to this tariff will be issued except for the purpose of canceling this tariff. Access Services Tariff
Section 7
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Replacing 3rd Revised Sheet 70

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Rate Regulations-(Continued)
- 7.3.2 Surcharge for Special Access Service
- A. General Description

The Special Access Surcharge applies to all jurisdictionally intrastate special access facilities ordered from the Special Access section of the Access Service Tariff unless exempted as specified in Paragraph B., following.

All such facilities terminated at an end user's PBX or other device that connect the special access facility with local exchange lines or trunks, irrespective of whether the interconnection capability exists in the customer's premises equipment or in a Centrex CO type switch, are subject to the surcharge.

- (CP) B. Exemption Certification
 - 1. The special access facility will be exempted from the monthly surcharge if the customer provides the Telephone Company written certification or an Access Service Request (ASR) indicating that the intrastate special access facility termination is one of the following:
 - a. an open-end termination in a Telephone Company switch of an FX line, including CCSA and CCSA-equivalent ONALs; or
 - b. an analog channel termination that is used for radio program transmission; or
 - c. a termination used for TELEX service; or
 - d. a termination that by the nature of its operating characteristics could not make use of Telephone Company common lines; or
 - e. a termination that interconnects either directly or indirectly to the local exchange network where the usage is subject to Carrier Common Line charges such as, where the special access facility access only FGA and no local exchange lines, or special access facility between customer points of termination, or special access facility connecting CCSA or CCSA-type equipment (inter-machine trunks); or
 - f. a termination that the customer certifies to the Telephone Company is not connected to a PBX or other device capable of interconnecting the special access facility to a local exchange subscriber line, or the PBX or other device has been rendered incapable of interconnection by software or hardware changes.

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Access Services Tariff
Section 7
3rd Revised Sheet 70
Replacing 2nd Revised Sheet 70

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

(F(') 7.3 Rate Regulations-(Continued)

(F(:) 7.3.2 Surcharge for Special Access Service

A. General Description

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The Special Access Surcharge applies to all jurisdictionally intrastate special access facilities ordered from the Special Access section of the Access Service Tariff unless exempted as specified in Paragraph B., following.

All such facilities terminated at an end user's PBX or other device that connect the special access facility with local exchange lines or trunks, irrespective of whether the interconnection capability exists in the customer's premises equipment or in a Centrex CO type switch, are subject to the surcharge.

B. Exemption Certification

- 1. The special access facility will be exempted from the monthly surcharge if the customer provides the Telephone Company written certification that the intrastate special access facility termination is one of the following:
 - a. an open-end termination in a Telephone Company switch of an FX line, including CCSA and CCSA-equivalent ONALs; or
 - b. an analog channel termination that is used for radio program transmission; or
 - c. a termination used for TELEX service; or
 - d. a termination that by the nature of its operating characteristics could not make use of Telephone Company common lines; or
 - e. a termination that interconnects either directly or indirectly to the local exchange network where the usage is subject to Carrier Common Line charges such as, where the special access facility access only FGA and no local exchange lines, or special access facility between customer points of termination, or special access facility connecting CCSA or CCSA-type equipment (inter-machine trunks); or
 - f. a termination that the customer certifies to the Telephone Company is not connected to a PBX or other device capable of interconnecting the special access facility to a local exchange subscriber line, or the PBX or other device has been rendered incapable of interconnection by software or hardware changes.

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(CP)ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.4 Rate Regulations-(Continued)

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7.4.2 Surcharge for Special Access Service

Public Service Commission

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A. General Description

The Special Access Surcharge applies to all jurisdictionally intrastate special access facilities ordered from the Special Access section of the Access Service Tariff unless exempted as specified in Paragraph B., following.

All such facilities terminated at an end user's PBX or other device that connect the special access facility with local exchange lines or trunks, irrespective of whether the interconnection capability exists in the customer's premises equipment or in a Centrex CO type switch, are subject to the surcharge.

B. Exemption Certification

- The special access facility will be exempted from the monthly surcharge if the customer provides the Telephone Company written certification that the intrastate special access facility termination is one of the following:
 - an open-end termination in a Telephone Company switch of an FX line, including CCSA and CCSA-equivalent ONALs; or
 - an analog channel termination that is used for radio program transmission; or
 - a termination used for TELEX service; or
 - a termination that by the nature of its operating characteristics could not make use of Telephone Company common lines; or
 - a termination that interconnects either directly or indirectly to the local exchange network where the usage is subject to Carrier Common Line charges such as, where the special access facility access only FGA and no local exchange lines, or special access facility between customer points of termination, or special access facility connecting CCSA or CCSA-type equipment (inter-machine trunks); or
 - f. a termination that the customer certifies to the Telephone Company is not connected to a PBX or other device capable of interconnecting the special access facility to a local exchange subscriber line, or the PBX or other device has been rendered incapable of interconnection by software or hardware changes.

Public Service Commission

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Access Services Tariff
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Voice Grade Service (VG)

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)

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B. Voice Grade Services-(Continued)

FI Combinations

Public Service Commission

14. Available Facility Interface (FI) Combinations-(Continued)

| 12 13 | <u>11</u> <u>12</u> | 10 | 9 | 0 | 7 | 7 | - | | | _ | | | | |
|-------|---------------------|----|--------------|---|----------|----------|----------|---|--------|---|---|--------------|----------------|------|
| | | _ | ´ | 8 | <u> </u> | <u>6</u> | <u>5</u> | 4 | 3 | 2 | 1 | End User | <u>IC</u> | |
| | | | | | | | | | | | X | 2LO2 | 4LS 2 | |
| | | | | | X | | | | | X | | 2L03 | 4LS2 | |
| | | | | | | | | | | | X | 2LO2 | 2LS 2 | |
| | | | | | | | | | | | X | 2L02 | 2LS 3 | |
| | | X | | | | X | | | | | | 6DA2 | 4N02 | |
| | | X | | | | X | X | | | | | 4DA2 | 4NO2 | (AT) |
| | | | | | | | X | | | | | 2DA2 | 4NO2 | (CT) |
| | | | | | | | X | | | | | 2DA2 | 2NO2 | (AT) |
| | | | x | | X | X | x | | | X | X | 4N02 | 4NO2 | |
| | | | | | X | | X | | | X | X | 2NO2 | 4NO2 | |
| | | | | | | | X | | | | X | 2NO2 | 2NO2 | |
| | | | | | | | | | | | X | 2NO2 | 2NO3 | (RT) |
| | | | | | X | | | | X | | | 4RV2-T | 4RV2-0 | |
| | | | | | X | | | | X | | | 2RV2-T | 4RV2-0 | |
| | | | | | | | | | | | | | | (RT) |
| | | | | | | | | | | | X | 4AC2 | 4SF2 | |
| | | | | | | | | | | | X | 2AC2 | 4SF2 | |
| | | | | | X X | | | | X X | | | 4A C2 | 4RV2-0 4SF2 | (RT) |

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PUBLIC SERVICE COMMISSION

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Public Service Commission

ACCESS SERVICES

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7.2 Technical Service Descriptions for Special Access Service (Continued) Public Service Commission 7.2.1 Analog Services-(Continued)

SPECIAL ACCESS SERVICE-(Continued)

- B. Voice Grade Services-(Continued)
 - 14. Available Facility Interface (FI) Combinations-(Continued)

| FI_Co | mbinations | Voice Grade Service (VG) | | | | | | | | | | | | |
|--------|------------|--------------------------|---|---|---|----------|----------|---|---|---|----|----|----|-----------|
| IC | End User | 1 | 2 | 3 | 4 | <u>5</u> | <u>6</u> | 7 | 8 | 9 | 10 | 11 | 12 | <u>13</u> |
| 4LS2 | 2LO2 | X | | | | | | | | | | • | | |
| 4LS2 | 2L03 | | X | | | | | X | | | • | | | |
| 2LS2 | 2L02 | , X | | | | | | | | | | | | |
| 2LS3 | 2L02 | X | | | | | | | | | | | | |
| 4N02 | 6DA2 | | | | | | X | | | | X | | | |
| 4N02 | 4DA2 | | | | | | X | | | | X | | | |
| 4N02 | 2DA2 | | | | | | X | | | | | | | |
| 4NO2 | 4NO2 | X | X | | | X | X | X | | X | | | | |
| 4NO2 | 2NO2 | X | X | | | X | | X | | | | | | |
| 2NO2 | 2NO2 | X | | | | X | | | | | | | | |
| 2N03 | 2NO2 | X | | | | X | | | | | | | | |
| 4RV2-0 | 4RV2-T | | | X | | | | Х | | | | | | |
| 4RV2-0 | 2RV2-T | | | X | | | | X | | | | | • | |
| 2RV2-0 | 2RV2-T | | | X | | | | X | | | | | | |
| 4SF2 | 4AC2 | X | | | | | | | | | | | | |
| 4SF2 | 2AC2 | X | | | | | | | | | | | | |

CANGELLED PUBLIC SERVICE COMMISSION

JAN 7 1 1981 83-253

DEC 2 9 1983 Issued:

Effective:

JAN 0 1 1984

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No Supplement to this tariff will be issued except for the purpose of canceling this tariff. Access Services Tariff
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Replacing 1st Revised Sheet 70.01

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Rate Regulations-(Continued)
- 7.3.2 Surcharge for Special Access Service-(Continued)
- (CP) B. Exemption Certification-(Continued)
- (AT)

 2. Exemption certification shall be in the form of an ASR or written notification to the Telephone Company. Such notification shall be provided by the customer (1) when ordered or installed or (2) at such time as the facility is reterminated to a device not capable of interconnecting to the local exchange network, or (3) at such time as the special access facility becomes associated with a Switched Access Service that is subject to Carrier Common Line charges.
- (RT) If certification is not received at the time the special access facility is obtained, the surcharge will be applied. Exempt status will become effective on the certification date indicated by the customer, subject to the regulations in Paragraph C., following.
 - The exemption certification is to be provided by the customer ordering the service. If written, the certification must be signed by the customer or authorized representative. The ASR or written certification must include the category of exemption, as set forth in Paragraph B., preceding, for each termination and the date which the exemption is effective.

The customer shall also notify the Telephone Company when an exempted Special Access Service is changed or reterminated such that the exemption is no longer applicable.

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Replacing Original Sheet 70.01

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

SEP 25 1989

(F(') 7.3 Rate Regulations-(Continued)

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MISSOURI

(FC) 7.3.2 Surcharge for Special Access Service-(Continued)Public Service Commission

- B. Exemption Certification-(Continued)
 - Exemption certification shall be in the form of a written notification to the Telephone Company. Such notification shall be provided by the customer (1) when ordered or installed or (2) at such time as the facility is reterminated to a device not capable of interconnecting to the local exchange network, or (3) at such time as the special access facility becomes associated with a Switched Access Service that is subject to Carrier Common Line charges.

If written certification is not received at the time the special access facility is obtained, the surcharge will be applied. Exempt status will become effective on the certification date indicated by the customer, subject to the regulations in Paragraph C following.

The exemption certification is to be provided by the customer ordering the service. The certification must be signed by the customer or authorized representative and include the category of exemption, as set forth in Paragraph B preceding, for each termination, and the date which the exemption is effective.

The customer shall also notify the Telephone Company when an exempted Special Access Service is changed or reterminated such that the exemption is no longer applicable.

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Access Services Tariff
Section 7
Original Sheet 70.01

(CP)ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
 - 7.4 Rate Regulations-(Continued)
 - 7.4.2 Surcharge for Special Access Service-(Continued)
 - B. Exemption Certification-(Continued)

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2. Exemption certification shall be in the form of a written notice of fication to the Telephone Company. Such notification is hardless commission provided by the customer (1) when ordered or installed or (2) at such time as the facility is reterminated to a device not capable of interconnecting to the local exchange network, or (3) at such time as the special access facility becomes associated with a Switched Access Service that is subject to Carrier Common Line charges.

If written certification is not recieved at the time the special access facility is obtained, the surcharge will be applied. Exempt status will become effective on the certification date indicated by the customer, subject to the regulations in Paragraph C following.

The exemption certification is to be provided by the customer ordering the service. The certification must be signed by the customer or authorized representative and include the category of exemption, as set forth in Paragraph B preceding, for each termination, and the date which the exemption is effective.

The customer shall also notify the Telephone Company when an exempted Special Access Service is changed or reterminated such that the exemption is no longer applicable.

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Access Services Tariff
Section 7
1st Revised Sheet 70.02
Replacing Original Sheet 70.02

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- (FC) .3 Rate Regulations-(Continued)
- (FC) 7.3.2 Surcharge for Special Access Service-(Continued)
 - C. Crediting the Surcharge

The Telephone Company will cease billing the Special Access Surcharge when certification that the special access facility has become exempt from the surcharge, as set forth in Paragraph B., preceding, is received. if the status of the special access facility was changed prior to receipt of the exemption certification, the Telephone Company will credit the customer's account, not to exceed ninety (90) days, based on the effective date of the change specified by the customer in the letter of certification.

D. Rate Regulations

The monthly Special Access Surcharge applies to special access facilities arranged, as set forth in A preceding, on a per voice equivalent basis as shown in the following example.

| Private Line | Voice Gra | ade | | | Monthly |
|-----------------|-----------|-----------|--------------|---------------|----------------------|
| <u>Facility</u> | Equivaler | <u>ıt</u> | Surcharge | <u>Charge</u> | |
| Group DS1 | 12 24 | X X | \$25 \$25 | | \$300.00 \$600.00 |

In the case of multipoint special access facilities, one Special Access Surcharge will apply for each termination of a special access channel at an end user's premises.

The Telephone Company will bill the surcharge to the customer who orders the special access facility unless the facility is exempt as set forth in B preceding.

(FC) 7.3.3 Message Station Equipment Recovery Charge

The Message Station Equipment Recovery Charge is a charge to recover that portion of message station equipment that is assigned to Special Access Service.

Pursuant to CC Docket 83-1145 Memorandum Opinion and Order adopted by the Federal Communications Commission on November 8, 1984, and released on November 9, 1984, this charge is assessed only to those customers to which the Special Access Surcharge applies. The rate for the Message Station Equipment Recovery Charge is set forth in Paragraph 7.4.9, following.

(FC) Station Equipment Recovery Charge is set forth in Paragraph 7.4.9, following.

(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rate Regulations-(Continued)
- 7.4.2 Surcharge for Special Access Service-(Continued)
 - C. Crediting the Surcharge

Access Services Tariff
Section 7
Original Sheet 70.02

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Public Service Commission

The Telephone Company will cease billing the Special Access Surcharge when certification that the special access facility has become exempt from the surcharge, as set forth in Paragraph B., preceding, is received. If the status of the special access facility was changed prior to receipt of the exemption certification, the Telephone Company will credit the customer's account, not to exceed ninety (90) days, based on the effective date of the change specified by the customer in the letter of certification.

D. Rate Regulations

The monthly Special Access Surcharge applies to special access facilities arranged, as set forth in A preceding, on a per voice equivalent basis as shown in the following example.

| Private Line Facility | Voice Grade Equivalent | | Surcharge | | Monthly CELLE |
|--------------------------|---------------------------|---|--------------|----------|--|
| Group DS1 | 12 24 | x | \$25 \$25 | = | \$300,000T 1 1989 70.02 \$600.00 at 1 5#10.02 |

In the case of multipoint special access facilities, one Special Access Surcharge will apply for each termination of a special access whannel at an end user's premises.

The Telephone Company will bill the surcharge to the customer who orders the special access facility unless the facility is exempt as set forth in B preceding.

7.4.3 Message Station Equipment Recovery Charge

The Message Station Equipment Recovery Charge is a charge to recover that portion of message station equipment that is assigned to Special Access Service.

Pursuant to CC Docket 83-1145 Memorandum Opinion and Order adopted by the Federal Communications Commission on November 8, 1984, and released on November 9, 1984, this charge is assessed only to those customers to which the Special Access Surcharge applies. The rate for the Message Station Equipment Recovery Charge is set forth in Paragraph 7.5.10, following.

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.3 Rate Regulations-(Continued)
 - 7.3.4 Minimum Periods

Except as specified otherwise, the minimum service period for all services is one month.

7.3.5 Moves

A move involves a change in the physical location of one of the following:

- The Point of Termination at the customer's premises
- The customer's premises

The charges are dependent on the type of move requested by the customer.

- A. Moves of the Point of Termination Within the Same Customer Premises
- (1) Rollover

A Rollover is a customer initiated move that involves a change of a Point of Termination from an existing service to another existing service within the same customer premises. The Rollover must occur within the same Telephone Company location.

Rollovers may be performed at the following service levels:

- Analog(1)/MegaLink Data(1) to 1.544 Mbps High Capacity (DS1)
- 1.544 Mbps High Capacity (DS1) to 1.544 High Capacity (DS1)
- 1.544 Mbps High Capacity (DS1) to MegaLink Custom (DS3)
- (1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

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Access Services Tariff
Section 7
5th Revised Sheet 71
Replacing4th Revised Sheet 71

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
 - 7.3 Rate Regulations-(Continued)
 - 7.3.4 Minimum Periods
- (AT) Except as specified otherwise, the minimum service period for all services is one month.
 - 7.3.5 Moves

A move involves a change in the physical location of one of the following:

- The Point of Termination at the customer's premises
- The customer's premises

The charges are dependent on the type of move requested by the customer.

- A. Moves of the Point of Termination Within the Same Customer Premises
- (1) Rollover

A Rollover is a customer initiated move that involves a change of a Point of Termination from an existing service to another existing service within the same customer premises. The Rollover must occur within the same Telephone Company location.

Rollovers may be performed at the following service levels:

- Analog/MegaLink Data to 1.544 Mbps High Capacity (DS1)
- 1.544 Mbps High Capacity (DS1) to 1.544 High Capacity (DS1)
- 1.544 Mbps High Capacity (DS1) to MegaLink Custom (DS3)

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🐔 Access Services Tariff Section 7 4th Revised Sheet 71 Replacing 3rd Revised Sheet 71

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

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7.3 Rate Regulations-(Continued)

MISSOURI Public Service Commission

7.3.4 Minimum Periods

The minimum service period for all services is one month.

7.3.5 Moves

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A move involves a change in the physical location of one of the following:

- The Point of Termination at the customer's premises
- The customer's premises

The charges are dependent on the type of move requested by the customer.

- Moves of the Point of Termination Within the Same Customer Premises
- (1) Rollover

A Rollover is a customer initiated move that involves a change of a Point of Termination from an existing service to another existing service within the same customer premises. The Rollover must occur within the same Telephone Company location.

Rollovers may be performed at the following service levels:

- Analog/MegaLink Data to 1.544 Mbps High Capacity (DS1)
- 1.544 Mbps High Capacity (DS1) to 1.544 High Capacity (DS1)
- 1.544 Mbps High Capacity (DS1) to MegaLink Custom (DS3)

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Access Services Tariff Section 7 4th Revised Sheet 71 Replacing 3rd Revised Sheet 71

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

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7.3 Rate Regulations-(Continued)

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7.3.4 Minimum Periods

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Except as specified otherwise, the minimum service period for all services is one month.

7.3.5 Moves

A move involves a change in the physical location of one of the following:

- The Point of Termination at the customer's premises
- The customer's premises

The charges for the move are dependent on whether the move is to a new location within the same building or to a different building.

Moves Within the Same Building

When the move is to a new location within the same building, the move will be treated as an extension of access service facilities. Extension of access service facilities will be provided at the customer's request, on a time-sensitive charge basis. labor rates which apply are as set forth in Section 13.2.6(c), following, for Other Labor. There will be no change in minimum period requirement.

B. Moves to a Different Building

Moves to a different building will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established for the new services. The customer will also remain responsible for satisfying all outstanding minimum period changes for the discontinued service.

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1994 9500193 Public Service Commission

Issued:

By M. H. SCHULTEIS, Division Manager-Regulatory and Industry Relations MISSOURI Southwestern Bell Telephone Company

St. Louis, Missouri

Access Services Tariff
Section 7
3rd Revised Sheet 71
Replacing 2nd Revised Sheet 71

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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(F(') 7.3 Rate Regulations-(Continued)

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(F(') 7.3.4 Minimum Periods

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The minimum service period for all services is one month.

(F() 7.3.5 Moves

A move involves a change in the physical location of one of the following:

- The Point of Termination at the customer's premises
- The customer's premises

The charges for the move are dependent on whether the move is to a new location within the same building or to a different building.

A. Moves Within the Same Building

When the move is to a new location within the same building, the move will be treated as an extension of access service facilities. Extension of access service facilities will be provided at the customer's request, on a time-sensitive charge basis. The labor rates which apply are as set forth in Section 13.2.6(c), following, for Other Labor. There will be no change in minimum period requirement.

B. Moves to a Different Building

Moves to a different building will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established for the new services. The customer will also remain responsible for satisfying all outstanding minimum period changes for the discontinued service.

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Access Services Tariff
Section 7
2nd Revised Sheet 71
Replacing 1st Revised Sheet 71

ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rate Regulations-(Continued)
 - 7.4.4 Minimum Periods

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The minimum service period for all services is one month. MISSUUM

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7.4.5 Moves

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A move involves a change in the physical location of one of the following:

- The Point of Termination at the customer's premises
- The customer's premises

The charges for the move are dependent on whether the move is to a new location within the same building or to a different building.

A. Moves Within the Same Building

When the move is to a new location within the same building, the move will be treated as an extension of access service facilities. Extension of access service facilities will be provided at the customer's request, on a time-sensitive charge basis. The labor rates which apply are as set forth in Section 13.2.6(c), following, for Other Labor. There will be no change in minimum period requirements.

B. Moves to a Different Building

Moves to a different building will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established for the new services. The customer will also remain responsible for satisfying all outstanding minimum period changes for the discontinued services.

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Access Services Tariff
Section 7
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Replacing Original Sheet 71

(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rate Regulations-(Continued)
 - 7.4.4 Minimum Periods

The minimum service period for all services is one month Service Commission

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7.4.5 Moves

A move involves a change in the physical location of one of the following:

- The Point of Termination at the customer's premises
- The customer's premises

The charges for the move are dependent on whether the move is to a new location within the same building or to a different building.

A. Moves Within the Same Building

When the move is to a new location within the same building, the move will be treated as an extension of access service facilities as set forth in 2.1.4.C, preceding. There will be no change in minimum period requirement.

B. Moves to a Different Building

Moves to a different building will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established for the new services. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

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ACCESS SERVICES

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- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service (Continued)
 - 7.2.1 Analog Services-(Continued)
 - B. Voice Grade Services-(Continued)
 - 14. Available Facility Interface (FI) Combinations-(Continued)

| FI Combinations | | | Voice Grade Service (VG) | | | | | | | | | | | |
|-----------------|----------|----------|--------------------------|---|---|----------|---|---|---|---|----|----|----|----|
| IC | End User | <u>ī</u> | 2 | 3 | 4 | <u>5</u> | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 4SF2 | 4DX2 | | | • | | | | | | x | | | | |
| 4SF2 | 9DY2 | | | X | | | | X | Х | | | | | |
| 4SF2 | 6DY2 | | | X | | | | X | X | | | | | |
| 4SF2 | 4DY2 | | | X | | | | X | X | | | | | |
| 4SF2 | 9EA2 | | | Х | | | | X | X | | | | | |
| 4SF2 | 6EA2-E | | | X | | | | X | X | | | | | |
| 4SF2 | 6EA2-M | | | X | • | | | X | X | X | | • | • | |
| 4SF2 | 4EA2-E | | | X | | | | X | X | | | | | |
| 4SF2 | 4EA2-M | | | X | | | | X | X | | | | | |
| 4SF2 | 8EB2-E | | | X | | | | X | X | | | | | |
| 4SF2 | 8EB2-M | | | X | | | | X | X | X | , | | | |

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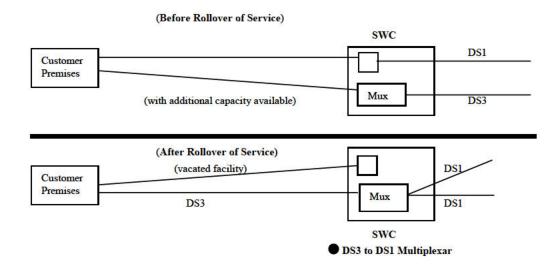
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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

The diagram following illustrates a typical service arrangement before and after a Rollover has occurred.



The charges for a Rollover of the services shown above are detailed in Paragraph 7.4. There will be no change in minimum period requirements.

(2) Relocation

When the move of the Point of Termination is to a new location within the same customer premises, the move will be treated as an extension of access service facilities. Extension of access service facilities will be provided, at the customer's request, on a time sensitive charge basis. The labor rates which apply are as set forth in Section 13 for Other Labor. There will be no change in minimum period requirements.

(B) Moves of a Customer Premises

Moves to a different customer premises will be treated as a discontinuance and start of service and all associated Nonrecurring Charges will apply. New minimum period requirements will be established for the new services. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

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Access Services Tariff
Section 7
8th Revised Sheet 72
Replacing 7th Revised Sheet 72

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

7.3.6 Mileage Measurement

The mileage to be used to determine the monthly rate for the channel mileage is calculated on the airline distance between the locations involved, i.e., the serving wire center associated with two customer designated premises, a serving wire center associated with a customer designated premises and a Telephone Company Hub, or a serving wire center associated with a customer designated premises and the WATS serving office. The serving wire center associated with a customer designated premises is the serving wire center from which the customer designated premises would normally obtain dial tone.

Mileage is shown in Paragraph 7.4, following, in terms of mileage bands. To determine the rate to be billed, first compute the mileage using the V&H coordinates method as set forth in the appropriate National Exchange Carrier Association, Inc. Tariff filed with the F.C.C.(1), then find the band into which the computed mileage falls and apply the rates shown for that band. When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage band and applying the rates.

When Hubs are involved, mileage is computed and rates applied separately for each section of the channel mileage, i.e., customer designated premises serving wire center to Hub, Hub to Hub and/or Hub to customer designated premises serving wire center. However, when any service is routed through a Hub for purposes other than customer specified bridging,

- (AT) multiplexing, Network Reconfiguration Service or Transport Resource
- (AT) Management Service (i.e., the Telephone Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the serving wire centers associated with the customer designated premises.

(1) For intraLATA LEC to LEC traffic, percentages of ownership will be determined by the V&H coordinates located in the Missouri PTC intraLATA Data Base.

Issued: August 26, 1994 Effective: September 26, 1994

Access Services Tariff
Section 7
7th Revised Sheet 72
Replacing 6th Revised Sheet 72

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

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7.3 Rate Regulations-(Continued)

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7.3.6 Mileage Measurement

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The mileage to be used to determine the monthly rate for the channel mileage is calculated on the airline distance between the locations involved, i.e., the serving wire center associated with two customer designated premises, a serving wire center associated with a customer designated premises and a Telephone Company Hub, or a serving wire center associated with a customer designated premises and the WATS serving office. The serving wire center associated with a customer designated premises is the serving wire center from which the customer designated premises would normally obtain dial tone.

Mileage is shown in Paragraph 7.4, following, in terms of mileage bands. To determine the rate to be billed, first compute the mileage using the V&H coordinates method as set forth in the appropriate National Exchange Carrier Association, Inc. Tariff filed with the F.C.C.(1), then find the band into which the computed mileage falls and apply the rates shown for that band. When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage band and applying the rates.

When Hubs are involved, mileage is computed and rates applied separately for each section of the channel mileage, i.e., customer designated premises serving wire center to Hub, Hub to Hub and/or Hub to customer designated premises serving wire center. However, when any service is routed through a Hub for purposes other than customer specified bridging, multiplexing or Network Reconfiguration Service (i.e., the Telephone Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the serving wire centers associated with the customer designated premises.

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(1) For intraLATA LEC to LEC traffic, percentages of ownership wilgeby gettermined by the V&H coordinates located in the Missouri PTC intraPAPA Data Base.

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Access Services Tariff
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7. SPECIAL ACCESS SERVICE-(Continued)

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7.3 Rate Regulations-(Continued)

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7.3.6 Mileage Measurement

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The mileage to be used to determine the monthly rate for the channel mileage is calculated on the airline distance between the locations involved, i.e., the serving wire center associated with two customer designated premises, a serving wire center associated with a customer designated premises and a Telephone Company Hubs, or a serving wire center associated with a customer designated premises and the WATS serving office. The serving wire center associated with a customer designated premises is the serving wire center from which the customer designated premises would normally obtain dial tone.

Mileage is shown in Paragraph 7.4, following, in terms of mileage bands. To determine the rate to be billed, first compute the mileage using the V&H coordinates method as set forth in the appropriate National Exchange Carrier Association, Inc. Tariff filed with the F.C.C.(1), then find the band into which the computed mileage falls and apply the rates shown for that band. When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage band and applying the rates.

When Hubs are involved, mileage is computed and rates applied separately for each section of the channel mileage, i.e., customer designated premises serving wire center to Hub, Hub to Hub and/or Hub to customer designated premises serving wire center. However, when any service is routed through a Hub for purposes other than customer specified bridging or multiplexing (i.e., the Telephone Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the serving wire centers associated with the customer designated premises.

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Public Service Commission

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(1) For intraLATA LEC to LEC traffic, percentages of ownership will be determined by the V&H coordinates located in the Missouri PTC IntraLATA Data Base.

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By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

MAR 26 1990

Access Services Tariff Section 7 5th Revised Sheet 72 Replacing 4th Revised Sheet 72

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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(FC) 7.3 Rate Regulations-(Continued)

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(FC) 7.3.6 Mileage Measurement

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The mileage to be used to determine the monthly rate for the channel mileage is calculated on the airline distance between the locations involved, i.e., the serving wire center associated with two customer designated premises, a serving wire center associated with a customer designated premises and a Telephone Company Hubs, or a serving wire center associated with a customer designated premises and the WATS serving office. The serving wire center associated with a customer designated premises is the serving wire center from which the customer designated premises would normally obtain dial tone.

(FC)

Mileage is shown in Paragraph 7.4, following, in terms of mileage bands. To determine the rate to be billed, first compute the mileage using the V&H coordinates method as set forth in the appropriate Exchange Carrier Association Tariff filed with the F.C.C.(1), then find the band into which the computed mileage falls and apply the rates shown for that band. When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage band and applying the rates.

When Hubs are involved, mileage is computed and rates applied separately for each section of the channel mileage, i.e., customer designated premises serving wire center to Hub, Hub to Hub and/or Hub to customer designated premises serving wire center. However, when any service is routed through a Hub for purposes other than customer specified bridging or multiplexing (i.e., the Telephone Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the serving wire centers associated with the customer designated premises.

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MAR 26 1990

BY L.S. H. 72

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(1) For intraLATA LEC to LEC traffic, percentages of ownership will be determined by the V&H coordinates located in the Missouri PTC IntraLATA Data Base.

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No Supplement to this tariff will be issued except for the purpose of canceling this tariff. Access Services Tariff
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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.4 Rate Regulations-(Continued)

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7.4.6 Mileage Measurement

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The mileage to be used to determine the monthly rate for the channel mileage is calculated on the airline distance between the locations involved, i.e., the serving wire center associated with two customer designated premises, a serving wire center associated with a customer designated premises and a Telephone Company Hubs, or a serving wire center associated with a customer designated premises and the WATS serving office. The serving wire center associated with a customer designated premises is the serving wire center from which the customer designated premises would normally obtain dial tone.

Mileage is shown in Paragraph 7.5, following, in terms of mileage bands. To determine the rate to be billed, first compute the mileage using the V&H coordinates method as set forth in the appropriate Exchange Carrier Association Tariff filed with the F.C.C.(1), then find the band into which the computed mileage falls and apply the rates shown for that band. When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage band and applying the rates.

When Hubs are involved, mileage is computed and rates applied separately for each section of the channel mileage, i.e., customer designated premises serving wire center to Hub, Hub to Hub and/or Hub to customer designated premises serving wire center. However, when any service is routed through a Hub for purposes other than customer specified bridging or multiplexing (i.e., the Telephone Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the serving wire centers associated with the customer designated premises.

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(AT) (1) For intraLATA LEC to LEC traffic, percentages of ownership will be determined by the V&H coordinates located in the Missouri PTC IntraLATA Data Base.

Issued: MAY 2 1988

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Effective: JUL 1 1988

Access Services Tariff
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SPECIAL ACCESS SERVICE-(Continued)

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Public Service Commission

7.4 Rate Regulations-(Continued)

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7.4.6 Mileage Measurement

The mileage to be used to determine the monthly rate for the channel mileage is calculated on the airline distance between the locations involved, i.e., the serving wire centers associated with two customer designated premises, a serving wire center associated with a customer designated premises and a Telephone Company Hub, two Telephone Company Hubs, or a serving wire center associated with a customer designated premises and the WATS serving office. The serving wire center associated with a customer designated premises is the serving wire center

from which the customer designated premises would normally obtain dial

tone.

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Mileage is shown in Paragraph 7.5, following, in terms of mileage bands. To determine the rate to be billed, first compute the mileage using the V&H coordinates method as set forth in Exchange Carrier Association Tariff, F.C.C. No. 2, then find the band into which the computed mileage falls and apply the rates shown for that band. When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage band and applying the rates.

When Hubs are involved, mileage is computed and rates applied separately for each section of the channel mileage, i.e., customer designated premises serving wire center to Hub, Hub to Hub and/or Hub to customer designated premises serving wire center. However, when any service is routed through a Hub for purposes other than customer specified bridging or multiplexing (i.e., the Telephone Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the serving wire centers associated with the customer designated premises.

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Public Service Commission

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Effective: OCT 16 1987

Access Services Tariff Section 7 2nd Revised Sheet 72 Replacing 1st Revised Sheet 72

(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rate Regulations-(Continued)
 - 7.4.6 Mileage Measurement

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WIZZARKI Public Service Commission

The mileage to be used to determine the monthly rat, mileage is calculated on the airline distance between the locations involved, i.e., the serving wire centers associated with two customer designated premises, a serving wire center associated with a customer designated premises and a Telephone Company Hub, or two Telephone Company Hubs. The serving wire center associated with a customer designated premises is the serving wire center from which the customer designated premises would normally obtain dial tone.

Mileage is shown in Paragraph 7.5, following, in terms of mileage bands. To determine the rate to be billed, first compute the mileage using the V&H coordinates method as set forth in Exchange Carrier Association Tariff, F.C.C. No. 2, then find the band into which the computed mileage falls and apply the rates shown for that band. When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage band and applying the rates.

When Hubs are involved, mileage is computed and rates applied separately for each section of the channel mileage, i.e., customer designated premises serving wire center to Hub, Hub to Hub and/or Hub to customer designated premises serving wire center. However, when any service is routed through a Hub for purposes other than customer specified bridging or multiplexing (i.e., the Telephone Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the serving wire centers associated with the customer designated premises.

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Access Services Tariff Section 7 1st Revised Sheet 72 Replacing Original Sheet 72

ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service (Continued)
 - 7.2.1 Analog Services-(Continued)

MISSOURI Public Service Commission

- B. Voice Grade Services-(Continued)
 - 14. Available Facility Interface (FI) Combinations-(Continued)

| | FIC | | Voice Grade Service (VG) | | | | | | | | | | | | | |
|----------|--------|----------|--------------------------|---------------------------------------|---------------|----|-----|-----------|---|---|---|----|----|----|-----------|-------|
| | IC | End User | 1 | 2 | 3 | 4 | 5 | <u>6</u> | 7 | 8 | 9 | 10 | 11 | 12 | 13 | |
| (AT) | 4SF 2 | 6EB 2-E | | | x | | | | X | X | | | | | | |
| (TA) | 4SF 2 | 6EB 2-M | | | X | | | | X | X | | | | | | |
| (AT) | 4SF 2 | 6GS2(1) | | | X | | | | X | | | | | | | |
| | 4SF2 | 4GS 2 | | | X | | | | X | | | | | | | |
| | 4SF 2 | 2GS 2 | X | | X | | | | X | | | | | | | |
| | 4SF2 | 2G\$3 | | | X | | | | X | | | | | | | |
| | 4SF 2 | 2LA2 | | X | | | | | x | | | | | | | |
| | 4SF 2 | 2LB 2 | | X | | | | | x | | | | | | | |
| | 4SF 2 | 2LC2 | | X | | | | | X | | | | | | | |
| | 4SF 2 | 2L03 | | X | | | | | X | | | | | | | |
| (RT) | | | | | | | | | | | | | | | | |
| | 4SF2 | 4LR2 | | X | | | | | | | | | | | | |
| | 4SF 2 | 2LR 2 | | X | | | | | | | | | | | | |
| | 4SF 2 | 4LS 2 | | X | X | | | | X | | | | | | | |
| | 4SF2 | 2LS 2 | | X | X | a | n F | 2 M | χ | X | | | | | | |
| | 4 SF 2 | 2LS 3 | GA | $\mathcal{L}_{u_{\alpha}}$ | 份包 | 1 | L | 马凹 | X | | | | | | | |
| | 4 SF 2 | 4RV2-T | | | X | 11 | NOL | | X | | | | | | | |
| | 4SF2 | 2RV2-T | | JUI | _ x | 13 | 986 | | X | / | | | | | | |
| <u>.</u> | | | 9 | <u>~}</u> | > Ω | < | #, | <u> 7</u> | 2 | | | | 1 | 1 | חתב | |
| | | | PUBLI | PUBLIC SERVICE COMMISSION OF MISSOURI | | | | | | | | | | ١٢ | ' L | , t |

OF MISSOURI (AT) (1) This facility interface combination is applicable with Centrex C.O. S€TVices 1984

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Access Services Tariff
Section 7
Original Sheet 72

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 Public Service Commission
 - 7.2.1 Analog Services-(Continued)
 - B. Voice Grade Services-(Continued)
 - 14. Available Facility Interface (FI) Combinations-(Continued)

| | ombinations | | | | | ice | | ade | | | ce. | (V | G) | | | |
|-----------|-------------|---|---|---|---|----------|----------|----------|------------|--------------|--------|---------------------|---------------|-----------|--------------------|---|
| <u>IC</u> | End User | 1 | 2 | 3 | 4 | <u>5</u> | <u>6</u> | <u>7</u> | 8 | 9 | 10 | ·] | 11 | <u>12</u> | <u>13</u> | |
| 4SF2 | 6EB2-E | | | X | | | | X | | | | | | | | |
| 4SF2 | 6EB2-M | | | X | | | | X | | | | | | | | |
| 4SF2 | 4GS2 | | | X | | | | X | | | | | | | | |
| 4SF2 | 2GS2 | X | | X | | | | X | | | | | | | | |
| 4SF2 | 2GS3 | | | X | | | | X | | | | | | | | |
| 4SF2 | 2LA2 | | X | | | | | X | _ | √ Ľ\ | NI É | D F | BN 2 | | EO | |
| 4SF2 | 2LB2 | | X | | | | | X | IJ | AJE LAJE | M. | ال) (| 51 | 31- | | |
| 4SF2 | 2LC2 | | X | | | | | X | | | | T. | 1. 5 .~~ | 1984 | [}] 7つ | |
| 4SF2 | 2L03 | | X | | | | | X | | 1 | At. | | 5 |) | USSION | |
| 4SF2 | 2L02 | X | | • | | | | | 1 | å∩BI 34 T | IC S | ERV OF | ICE | COW | MISSION | |
| 4SF2 | 4LR2 | | X | | | | | | | | | | | | | |
| 4SF2 | 2LR2 | | X | | | | | | | | | | | | | |
| 4SF2 | 4LS2 | | X | X | | | • | X | | | | | | | • | |
| 4SF2 | 2LS2 | | Х | X | | | | X | X | | | | | | | |
| 4SF2 | 2LS3 | | | X | | | | X | | | | | | , | | |
| 4SF2 | 4RV2-T | | | X | | | | X | 1244 | | Г• | .3 ₍ | п. | ⊒3 | · | 1 |
| 4SF2 | 2RV2-T | | | X | | | | X | | | lī | - - - | Ц | <u> </u> | l | l |
| | | | | | | | | | Í | | JΛ | N | - 1 | 1934 | 4 · | 4 |
| | | | - | | | | | | | | 8 | 3 | - 2 | 2.5 | | |
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Section 7

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7th Revised Sheet 73

Replacing 6th Revised Sheet 73

Southwestern Bell Telephone Company d/b/a AT&T Missouri

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Rate Regulations-(Continued)
- 7.3.7 Facility Hubs

A customer has the option of ordering voice grade(1) facilities of analog or digital high capacity facilities (i.e., Group, Supergroup, Mastergroup, DS1, DS1C, DS2, DS3 or DS4) to a facility Hub for channelizing to individual services requiring lower capacity facilities (i.e., Telegraph⁽¹⁾, Voice⁽¹⁾, etc.). (CT)(RT)

Different locations may be designated as Hubs for different facility capacities, i.e., multiplexing from digital to digital may occur at one location while multiplexing from digital to analog may occur at a different location. The customer will select the designated Hubs and their appropriate subtending wire center(s) from the National Exchange Carrier Association, Inc. Tariff filed with the F.C.C.

Some of the types of multiplexing available include the following:

- from higher to lower bit rate
- from higher to lower bandwidth
- from digital to voice frequency channels

End-to-end services may be provided on channels of these facilities to a Hub. The transmission performance for the end-to-end service provided customer designated premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps facility is multiplexed to voice frequency channel, the transmission performance of the channelized services will be voice grade(1), not high capacity.

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

Section 7 6th Revised Sheet 73 Replacing 5th Revised Sheet 73

ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Rate Regulations-(Continued)
- 7.3.7 Facility Hubs

A customer has the option of ordering voice grade(1) facilities of analog or digital high capacity facilities (i.e., Group, Supergroup, Mastergroup, DS1, DS1C, DS2, DS3 or DS4) to a facility Hub for channelizing to individual services requiring lower capacity facilities (i.e., Telegraph(1), Voice(1), Program Audio, etc.).

Different locations may be designated as Hubs for different facility capacities, i.e., multiplexing from digital to digital may occur at one location while multiplexing from digital to analog may occur at a different location. The customer will select the designated Hubs and their appropriate subtending wire center(s) from the National Exchange Carrier Association, Inc. Tariff filed with the F.C.C.

Some of the types of multiplexing available include the following:

- from higher to lower bit rate
- from higher to lower bandwidth
- from digital to voice frequency channels

End-to-end services may be provided on channels of these facilities to a Hub. The transmission performance for the end-to-end service provided customer designated premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps facility is multiplexed to voice frequency channel, the transmission performance of the channelized services will be voice grade(1), not high capacity.

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(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (AT)

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Access Services Tariff
Section 7
5th Revised Sheet 73
Replacing 4th Revised Sheet 73

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

7.3.7 Facility Hubs

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A customer has the option of ordering voice grade facilities of analog or digital high capacity facilities (i.e., Group, Supergroup, Mastergroup, DS1, DS1C, DS2, DS3 or DS4) to a facility Hub for channelizing to individual services requiring lower capacity facilities (i.e., Telegraph, Voice, Program Audio, etc.).

Different locations may be designated as Hubs for different facility capacities, i.e., multiplexing from digital to digital may occur at one location while multiplexing from digital to analog may occur at a different location. The customer will select the designated Hubs and their appropriate subtending wire center(s) from the National Exchange Carrier Association, Inc. Tariff filed with the F.C.C.

Some of the types of multiplexing available include the following:

- from higher to lower bit rate
- from higher to lower bandwidth
- from digital to voice frequency channels

End-to-end services may be provided on channels of these facilities to a Hub. The transmission performance for the end-to-end service provided customer designated premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps facility is multiplexed to voice frequency channel, the transmission performance of the channelized services will be voice grade, not high capacity.

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Access Services Tariff
Section 7
4th Revised Sheet 73
Replacing 3rd Revised Sheet 73

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

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7.3 Rate Regulations-(Continued)

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7.3.7 Facility Bubs

A customer has the option of ordering voice grade facilities of analog or digital high capacity facilities (i.e., Group, Supergroup, Hastergroup, DS1, DS1C, DS2, DS3 or DS4) to a facility Hub for channelizing to individual services requiring lower capacity facilities (i.e., Telegraph, Voice, Program Audio, etc.).

Different locations may be designated as Hubs for different facility capacities, i.e., multiplexing from digital to digital may occur at one location while multiplexing from digital to analog may occur at a different location. The customer will select the designated Hubs from the National Exchange Carrier Association, Inc. Tariff filed with the F.C.C.

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Some of the types of multiplexing available include the following:

- from higher to lower bit rate
- from higher to lover bandwidth
- from digital to voice frequency channels

End-to-end services may be provided on channels of these facilities to a Hub. The transmission performance for the end-to-end service provided customer designated premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps facility is multiplexed to voice frequency channel, the transmission performance of the channelized services will be voice grade, not high capacity.

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Access Services Tariff Section 7 3rd Revised Sheet 73 Replacing 2nd Revised Sheet 73

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

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(FC) 7.3 Rate Regulations-(Continued)

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(FC) 7.3.7 Facility Hubs

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A customer has the option of ordering voice grade facilities of analog or digital high capacity facilities (i.e., Group, Supergroup, Mastergroup, DS1, DS1C, DS2, DS3 or DS4) to a facility Hub for channelizing to individual services requiring lower capacity facilities (i.e., Telegraph, Voice, etc.).

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Different locations may be designated as Hubs for different facility capacities, i.e., multiplexing from digital to digital may occur at one location while multiplexing from digital to analog may occur at a different location. The customer will select the designated Hubs from the appropriate Exchange Carrier Association's Wire Center Information Tariff and the Telephone Company Bridging and Hubbing List which specifies the type of multiplexing available at a specific location and the wire centers served from that Hub.

Some of the types of multiplexing available include the following:

- from higher to lower bit rate
- from higher to lower bandwidth
- from digital to voice frequency channels

End-to-end services may be provided on channels of these facilities to a Hub. The transmission performance for the end-to-end service provided customer designated premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps facility is multiplexed to voice frequency channel, the transmission performance of the channelized services will be voice grade, not high capacity.

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Access Services Tariff
Section 7
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Replacing 1st Revised Sheet 73

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

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7.4 Rate Regulations-(Continued)

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Public Service Commission

7.4.7 Facility Hubs

A customer has the option of ordering voice grade facilities of analog or digital high capacity facilities (i.e., Group, Supergroup, Mastergroup, DS1, DS1C, DS2, DS3 or DS4) to a facility Hub for channelizing to individual services requiring lower capacity facilities (i.e., Telegraph, Voice, Program Audio, etc.).

Different locations may be designated as Hubs for different facility capacities, i.e., multiplexing from digital to digital may occur at one location while multiplexing from digital to analog may occur at a different location. The customer will select the designated Hubs from the appropriate Exchange Carrier Association's Wire Center Information Tariff and the Telephone Company Bridging and Hubbing List which specifies the type of multiplexing available at a specific location and the wire centers served from that Hub.

Some of the types of multiplexing available include the following:

- from higher to lower bit rate
- from higher to lower bandwidth
- from digital to voice frequency channels

End-to-end services may be provided on channels of these facilities to a Hub. The transmission performance for the end-to-end service provided customer designated premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps facility is multiplexed to voice frequency channel, the transmission performance of the channelized services will be voice grade, not high capacity.

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Public Service Commission MISSOURI

SEP 14 1988

By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

Public Service Commission

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Access Services Tariff
Section 7
1st Revised Sheet 73
Replacing Original Sheet 73

(CP)ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
 - 7.4 Rate Regulations-(Continued)
 - 7.4.7 Facility Hubs

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A customer has the option of ordering voice grade facilities (i.e., Group, Supergroup, Mastergroup, DS1, DS1C, DS2, DS3 or DS4) to a facility Hub for channelizing to individual services requiring lower capacity facilities (i.e., Telegraph, Voice, Program Audio, etc.).

Different locations may be designated as Hubs for different facility capacities, i.e., multiplexing from digital to digital may occur at one location while multiplexing from digital to analog may occur at a different location. The customer will choose the desired Hub from a list that the Telephone Company will make available. The Hub list will specify the type of multiplexing available at a specific location and the wire centers served from that Hub.

Some of the types of multiplexing available include the following:

- from higher to lower bit rate
- from higher to lower bandwidth
- from digital to voice frequency channels

End-to-end services may be provided on channels of these facilities to a Hub. The transmission performance for the end-to-end service provided between customer designated premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps facility is multiplexed to voice frequency channel, the transmission performance of the channelized services will be voice grade, not high capacity.

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BY <u>And R.S.#73</u>
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Access Services Tariff
Section 7
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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

- DEC 25 1003
- 7.2 Technical Service Descriptions for Special Access Service-(Continued)

Public Service Commission;

- 7.2.1 Analog Services-(Continued)
 - C. Program Audio Services
 - 1. Program Audio 1 (AP1) Special Access Service
 - a. Description

Special Access Service AP1 provides a channel with a nominal bandwidth from 200 to 3,500 Hz for the transmission of a complex signal voltage, such as speech or music, between an IC terminal location and an End User's premises. Only one-way transmission is provided.

b. Illustrative Application

Special Access Service AP1 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as:

- Wired Music
- c. Optional Features
 - Gain Conditioning control of 1004 Hz EML at initiation of service to 0 dB + 0.5 dB.
 - Central office bridging capability (wired music).

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BY A R.S.# 73
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Section 7 4th Revised Sheet 74 Replacing 3rd Revised Sheet 74

ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Rate Regulations-(Continued)
- 7.3.7 Facility Hubs-(Continued)

The Telephone Company will commence billing the monthly rate for the facility to the Hub on the date specified by the customer on the service order. Individual services utilizing these facilities may be installed coincident with the installation of the facility to the Hub, or may be ordered and/or installed at a later date, at the option of the customer. The customer will be billed for a voice grade(1) or a high capacity digital channel termination, channel mileage, when applicable, an Inside Wire Recovery Charge, if applicable, and the multiplexer at the time the facility is installed. Individual service rates, by service type, will apply for a channel termination, additional channel mileage, as required, and an Inside Wire Recovery Charge, if applicable, for each channelized service. These will be billed to the customer as each individual service is installed. The billing must be to the same customer for both parts of the service arrangement.

Cascading multiplexing occurs when a high-capacity digital channel is de-multiplexed to provide channels with a lesser capacity and one of the lesser capacity channels is further demultiplexed. For example, a supergroup facility is de-multiplexed to five group facilities and then one of the group facilities is further de-multiplexed to individual voice grade(1) channels.

When cascading multiplexing is performed, whether in the same or a different Hub, a charge for the additional multiplexing unit also applies. When cascading multiplexing is performed at different Hubbing locations, channel mileage charges also apply between the Hubs.

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

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Effective: June 30, 2021

P.S.C. Mo. - No. 36 ACCESS SERVICES TARIFF

Southwestern Bell Telephone Company d/b/a AT&T Missouri Section 7 3rd Revised Sheet 74 Replacing 2nd Revised Sheet 74

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- (FC) 7.3 Rate Regulations-(Continued)
- (FC) 7.3.7 Facility Hubs-(Continued)

The Telephone Company will commence billing the monthly rate for the facility to the Hub on the date specified by the customer on the service order. Individual services utilizing these facilities may be installed coincident with the installation of the facility to the Hub, or may be ordered and/or installed at a later date, at the option of the cus-

- (RT) tomer. The customer will be billed for a voice grade or a high capacity digital channel termination, channel mileage, when applicable, an Inside Wire Recovery Charge, if applicable, and the multiplexer at the time the facility is installed. Individual service rates, by service type, will apply for a channel termination, additional channel mileage, as required, and an Inside Wire Recovery Charge, if applicable, for each channelized service. These will be billed to the customer as each individual service is installed. The billing must be to the same customer for both parts of the service arrangement.
- (RT) Cascading multiplexing occurs when a high-capacity digital channel is de-multiplexed to provide channels with a lesser capacity and one of the lesser capacity channels is further demultiplexed. For example, a supergroup facility is de-multiplexed to five group facilities and then one of the group facilities is further de-multiplexed to individual voice grade channels.

When cascading multiplexing is performed, whether in the same or a different Hub, a charge for the additional multiplexing unit also applies. When cascading multiplexing is performed at different Hubbing locations, channel mileage charges also apply between the Hubs.

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Access Services Tariff
Section 7
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Replacing 1st Revised Sheet 74

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- (FC) 7.3 Rate Regulations-(Continued)
- (FC) 7.3.7 Facility Hubs-(Continued)

The Telephone Company will commence billing the monthly rate for the facility to the Hub on the date specified by the customer on the service order. Individual services utilizing these facilities may be installed coincident with the installation of the facility to the Hub, or may be ordered and/or installed at a later date, at the option of the customer. The customer will be billed for a voice grade or a wideband analog or a high capacity digital channel termination, channel mileage, when applicable, an Inside Wire Recovery Charge, if applicable, and the multiplexer at the time the facility is installed. Individual service rates, by service type, will apply for a channel termination, additional channel mileage, as required, and an Inside Wire Recovery Charge, if applicable, for each channelized service. These will be billed to the customer as each individual service is installed. The billing must be to the same customer for both parts of the service arrangement.

Cascading multiplexing occurs when a wideband analog or high-capacity digital channel is de-multiplexed to provide channels with a lesser capacity and one of the lesser capacity channels is further de-multiplexed. For example, a supergroup facility is de-multiplexed to five group facilities and then one of the group facilities is further de-multiplexed to individual voice grade channels.

When cascading multiplexing is performed, whether in the same or a different Hub, a charge for the additional multiplexing unit also applies. When cascading multiplexing is performed at different Hubbing locations, channel mileage charges also apply between the Hubs.

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Access Services Tariff
Section 7
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Replacing Original Sheet 74

(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rate Regulations-(Continued)
 - 7.4.7 Facility Hubs-(Continued)

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The Telephone Company will commence billing the monthly-rate for the facility to the Hub on the date specified by the customer on the service order. Individual services utilizing these facilities may be installed coincident with the installation of the facility to the Hub, or may be ordered and/or installed at a later date, at the option of the customer. The customer will be billed for a voice grade or a wideband analog or a high capacity digital channel termination, channel mileage, when applicable, an Inside Wire Recovery Charge, if applicable, and the multiplexer at the time the facility is installed. Individual service rates, by service type, will apply for a channel termination, additional channel mileage, as required, and an Inside Wire Recovery Charge, if applicable, for each channelized service. These will be billed to the customer as each individual service is installed. The billing must be to the same customer for both parts of the service arrangement.

Cascading multiplexing occurs when a wideband analog or high-capacity digital channel is de-multiplexed to provide channels with a lesser capacity and one of the lesser capacity channels is further demultiplexed. For example, a supergroup facility is de-multiplexed to five group facilities and then one of the group facilities is further de-multiplexed to individual voice grade channels.

When cascading multiplexing is performed, whether in the same or a different Hub, a charge for the additional multiplexing unit also applies. When cascading multiplexing is performed at different Hubbing locations, channel mileage charges also apply between the Hubs.

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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- 7.2 Technical Service Descriptions for Special Access Service-(Continued) Public Service Commission
 - 7.2.1 Analog Services-(Continued)
 - Program Audio Services-(Continued)
 - Program Audio 1 (AP1) Special Access Service-(Continued)
 - Transmission Performance
 - Actual Measured Loss (AML)

When the service is initiated, the 1004 Hz AML will be less than 10.0 dB. With the addition of optional gain conditioning, the AML will be 0 ± 0.5 dB. Remedial action will be taken when the loss variation at 1004 Hz exceeds the initial AML by \pm 4.0 dB.

- Gain/Frequency Distortion

Over the frequency band from 200 to 3,500 Hz, the gain at any frequency will be within the range from +3.0 dB to -10.0 dB with respect to the gain at 1004 Hz.

- Signal-to-Idle Circuit Noise

The ratio of received 1004 Hz signal power to C-message weighted idle circuit noise will be at least 65 dB. received signal power level is determined by subtracting the channel AML from +18 dBm (the instantaneous peak signal level).

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JUL 1 1986 PUBLIC SERVICE COMMIDE

DEC 29 1983 Issued:

Effective: JAN 0 1 1984

ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Rate Regulations-(Continued)
- 7.3.8 Shared Use Analog and Digital High Capacity Services

Shared use occurs when Special Access Service and Switched Access Service are provided over the same high capacity facilities through a common interface. The facility will be ordered, provided and rated as Special Access Service (i.e., channel termination, channel mileage, as appropriate, and multiplexer). The nonrecurring charge that applies when the shared use facility is installed will be the nonrecurring charge associated with the appropriate Special Access high capacity channel termination. Rating as Special Access will continue until such time as the customer chooses to use a portion of the available capacity for providing Switched Access Service. As each individual channel is activated for Switched Access Service, the Special Access channel termination, channel mileage and multiplexer rates will be reduced accordingly (i.e., 1/12th for a Group level service, 1/24th for a DS1 service, etc.), except where that channel is utilized in conjunction with CCS/SS7 Interconnection Service. The customer must place an order for each individual Switched or Special Access Service utilizing the Shared Use Facilities and specify the channel assignment for each such service.

Switched Access Service rates and charges as set forth in Section 6, Paragraph 6.11, preceding, will apply for each channel of the shared use facility that is used to provide Switched Access Service. Where Special Access Service is provided utilizing a channel of the shared use facility to the Hub, high capacity rates will apply for the facility to the Hub as set forth preceding and individual service rates will apply from the Hub to the customer-designated premises. The rates that will apply to the portion from the Hub to

Issued: October 21, 2014

Access Services Tariff
Section 7
4th Revised Sheet 75
Replacing 3rd Revised Sheet 75

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

7.3.8 Shared Use Analog and Digital High Capacity Services

Shared use occurs when Special Access Service and Switched Access Service are provided over the same wideband analog or high capacity facilities through a common interface. The facility will be ordered, provided and rated as Special Access Service (i.e., channel termination, channel mileage, as appropriate, and multiplexer). The nonrecurring charge that applies when the shared use facility is installed will be the nonrecurring charge associated with the appropriate Special Access wideband analog or high capacity channel termination. Rating as Special Access will continue until such time as the customer chooses to use a portion of the available capacity for providing Switched Access Service. As each individual channel is activated for Switched Access Service, the Special Access channel termination, channel mileage and multiplexer rates will be reduced accordingly (i.e., 1/12th for a Group level service, 1/24th for a DS1 service, etc.), except where that channel is utilized in conjunction with CCS/SS7 Interconnection Service. The customer must place an order for each individual Switched or Special Access Service utilizing the Shared Use Facilities and specify the channel assignment for each such service.

Switched Access Service rates and charges as set forth in Section 6, Paragraph 6.11, preceding, will apply for each channel of the shared use facility that is used to provide Switched Access Service. Where Special Access Service is provided utilizing a channel of the shared use facility to the Hub, wideband analog or high capacity rates will apply for the facility to the Hub as set forth preceding and individual service rates will apply from the Hub to the customer-designated premises. The rates that will apply to the portion from the Hub

to

(FC)

Issued: March 26, 1993 Effective: April 11, 1993

CANCELED November 20, 2014 Missouri Public Service Commission JI-2015-0173 By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

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Access Services Tariff Section 7 3rd Revised Sheet 75 Replacing 2nd Revised Sheet 75

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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7.3 Rate Regulations-(Continued)

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7.3.8 Shared Use Analog and Digital High Capacity Services

Shared use occurs when Special Access Service and Switched Access Service are provided over the same wideband analog or high capacity facilities through a common interface. The facility will be ordered, provided and rated as Special Access Service (i.e., channel termination, channel mileage, as appropriate, and multiplexer). The nonrecurring charge that applies when the shared use facility is installed will be the nonrecurring charge associated with the appropriate Special Access wideband analog or high capacity channel termination. Rating as Special Access will continue until such time as the customer chooses to use a portion of the available capacity for providing Switched Access Service. As each individual channel is activated for Switched Access Service, the Special Access channel termination, channel mileage and multiplexer rates will be reduced accordingly (i.e., 1/12th for a Group level service, 1/24th for a DS1 service, etc.), except where that channel is utilized in conjunction with CCS/SS7 Interconnection Service. The customer must place an order for each individual Switched or Special Access Service utilizing the Shared Use Facilities and specify the channel assignment for each such service.

Switched Access Service rates and charges as set forth in Section 6, Paragraph 6.8, preceding, will apply for each channel of the shared use facility that is used to provide Switched Access Service. Where Special Access Service is provided utilizing a channel of the shared use facility to the Hub, wideband analog or high capacity rates will apply for the facility to the Hub as set forth preceding and individual service rates will apply from the Hub to the customer-designated premises. The rates that will apply to the portion from the Hub to

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APR 11 1993 BY # Th. R.S. # 75 Public Service Commission MISSOURI

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Issued: MAY 1 3 1992

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Access Services Tariff Section 7 2nd Revised Sheet 75 Replacing 1st Revised Sheet 75

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

SEP 25 1989

Public Service Commission

(F(') 7.3 Rate Regulations-(Continued)

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(F(') 7.3.8 Shared Use Analog and Digital High Capacity Services

> Shared use occurs when Special Access Service and Switched Access Service are provided over the same wideband analog or high capacity facilities through a common interface. The facility will be ordered, provided and rated as Special Access Service (i.e., channel termination, channel mileage, as appropriate, and multiplexer). The nonrecurring charge that applies when the shared use facility is installed will be the nonrecurring charge associated with the appropriate Special Access wideband analog or high capacity channel termination. Rating as Special Access will continue until such time as the customer chooses to use a portion of the available capacity for providing Switched Access Service. As each individual channel is activated for Switched Access Service, the Special Access channel termination, channel mileage and multiplexer rates will be reduced accordingly (i.e., 1/12th for a Group level service, 1/24th for a DS1 service, etc.). The customer must place an order for each individual Switched or Special Access Service utilizing the Shared Use Facilities and specify the channel assignment for each such service.

Switched Access Service rates and charges as set forth in Section 6.8 preceding will apply for each channel of the shared use facility that is used to provide Switched Access Service. Where Special Access Service is provided utilizing a channel of the shared use facility to the Hub, wideband analog or high capacity rates will apply for the facility to the Hub as set forth preceding and individual service rates will apply from the Hub to the customer-designated premises. The rates that will apply to the portion from the Hub to

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Access Services Tariff Section 7 1st Revised Sheet 75 Replacing Original Sheet 75

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(CP)ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

7.4 Rate Regulations-(Continued)

7.4.7 Facility Hubs-(Continued)

Although not requiring multiplexing, the Telephone-Company-withdesignate certain Hubs for Program Audio Services. This service will be provided between a customer designated premises and a Hub and billed accordingly at the monthly rates set forth in Paragraphs 7.5.4 and 7.5.5, following, for a Channel Termination and Channel Mileage, if applicable. In addition, for Program Audio Services, rates for Optional Features and Functions and an Inside Wire Recovery Charge may be applicable.

7.4.8 Shared Use Analog and Digital High Capacity Services

Shared use occurs when Special Access Service and Switched Access Service are provided over the same wideband analog or high capacity facilities through a common interface. The facility will be ordered, provided and rated as Special Access Service (i.e., channel termination, channel mileage, as appropriate, and multiplexer). The nonrecurring charge that applies when the shared use facility is installed will be the nonrecurring charge associated with the appropriate Special Access wideband analog or high capacity channel termination. Rating as Special Access will continue until such time as the customer chooses to use a portion of the available capacity for providing Switched Access Service. As each individual channel is activated for Switched Access Service, the Special Access channel termination, channel mileage and multiplexer rates will be reduced accordingly (i.e., 1/12th for a Group level service, 1/24th for a DS1 service, etc.). The customer must place an order for each individual Switched or Special Access Service utilizing the Shared Use Facilities and specify the channel assignment for each such service.

Switched Access Service rates and charges as set forth in Section 6.8 preceding will apply for each channel of the shared use facility that is used to provide Switched Access Service. Where Special Access Service is provided utilizing a channel of the shared use facility to the Hub, wideband analog or high capacity rates will apply for the facility to the Hub as set forth preceding and individual service rates will apply from the Hub to the customer-designated 2 | 1 | premises. The rates that will apply to the portion from the Hub to

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Public Service Commission

Issued: JUN 27 1986

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Access Services Tariff
Section 7
Original Sheet 75

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Public Service Commission

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)
 - C. Program Audio Services-(Continued)
 - 1. Program Audio 1 (AP1) Special Access Service-(Continued)
 - e. Available Facility Interface Combinations

| IC | End User | <u> </u> | End User |
|-------------|----------|-------------|----------|
| 2PG2-3 | 2PG2-3 | 2PG2-3 | 2PG1-3 |
| 4DS9-15E(1) | 2PG2-3 | 4DS9-15E(1) | 2PG1-3 |
| 4AH5-B(2) | 2PG2-3 | 4AH5-B(2) | 2PG1-3 |
| 4AH6-C(2) | 2PG2-3 | 4AH6-C(2) | 2PG1-3 |
| 4AH6-D(2) | 2PG2-3 | 4AH6-D(2) | 2PG1-3 |

- 2. Program Audio 2 (AP2) Special Access Service
 - a. Description

Special Access Service AP2 provides a channel with a nominal bandwidth from 100 to 5,000 Hz for the transmission of a complex signal voltage, such as speech or music, between an IC terminal location and an End User's premises. Only one-way transmission is provided.

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(1) Available only to IC's selecting the multiplexed four-wire DSX facility interface option at the IC terminal location and providing subsequent SS system and channel assignment data.

(2) Available only to the IC's selecting the multiplexed four-wire High Capacity analog facility interface option at the IC terminal location and providing subsequent system and channel assignment data.

Issued: DEC 2 9 1983

Effective:

JAN 0 1 1984

Section 7 3rd Revised Sheet 75.1 Replacing 2nd Revised Sheet 75.1

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Rate Regulations-(Continued)
- 7.3.8 Shared Use Analog and Digital High Capacity Services-(Continued) the customer-designated premises will be dependent on the specific type of Special Access Service that is provided (i.e., Voice Grade(1), Telegraph(1), etc.) The applicable rates will include a Channel Termination rate, Channel Mileage rates, if applicable and an Inside Wire Recovery Charge, if applicable. Rates for optional features and functions, if any, associated with the service will apply as set forth in 7.4 following.

7.3.9 Inside Wire Recovery Charge

The Inside Wire Recovery Charge is a charge to recover that portion of inside wire cost that is assigned to Special Access Service. Inside wire is as set forth in the Federal Communications Commission's Rules and Regulations. Inside wire may be provided in association with Metallic(1), Telegraph Grade(1), Voice Grade(1), and MegaLink Data(1) Channel Terminations.

Pursuant to CC Docket 83-1145 Memorandum Opinion and Order adopted by the Federal Communications Commission on March 1, 1985, and released on March 8, 1985, the charge is assessed only to those customers to whom such wiring is provided at a customer-designated premises. Accordingly, the charge applies on a per Channel Termination basis for Metallic(1), Telegraph Grade(1), Voice Grade(1), (including WATS

(CP) Access Lines(1)) or MegaLink Data(1) Special Access Services unless all such inside wire is provided by the customer.

The rate for the Inside Wire Recovery Charge is set forth in 7.4 following.

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

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(AT)

Issued: May 28, 2021

By CRAIG UNRUH, President - Missouri St. Louis, Missouri

FILED Missouri Public Service Commission JI-2021-0210

Effective: June 30, 2021

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(CP)

Access Services Tariff
Section 7
2nd Revised Sheet 75.01
Replacing 1st Revised Sheet 75.01

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- (FC) 7.3 Rate Regulations-(Continued)
- (FC) 7.3.8 Shared Use Analog and Digital High Capacity Services-(Continued) the customer-designated premises will be dependent on the specific type of Special Access Service that is provided (i.e., Voice Grade, Telegraph, etc.) The applicable rates will include a Channel Termination rate, Channel Mileage rates, if applicable and an Inside Wire Recovery Charge, if applicable. Rates for optional features and functions, if any, associated with the service will apply as set forth
- (FC) in 7.4 following.
- (FC) 7.3.9 Inside Wire Recovery Charge

The Inside Wire Recovery Charge is a charge to recover that portion of inside wire cost that is assigned to Special Access Service. Inside wire is as set forth in the Federal Communications Commission's Rules and Regulations. Inside wire may be provided in association with Metallic, Telegraph Grade, Voice Grade, and MegaLink Data Channellic, Telegraph Grade, Voice Grade, All MegaLink Data Channellic, Telegraph Grade, Voice Grade, MegaLink Data Channellic, Telegraph Grade, MegaLink Data Channellic, Telegraph Grade, MegaLink Data Channellic, Telegraph Grade, MegaLink Data Channellic, MegaLink Data

(CT) with Metallic, Telegraph Grade, Voice Grade, and MegaLink Data Channel Terminations.

Pursuant to CC Docket 83-1145 Memorandum Opinion and Order adopted by the Federal Communications Commission on March 1, 1985, and released on March 8, 1985, the charge is assessed only to those customers to whom such wiring is provided at a customer-designated premises. Accordingly, the charge applies on a per Channel Termination basis for Metallic, Telegraph Grade, Voice Grade, (including WATS

- (CT) Access Lines) or MegaLink Data Special Access Services unless all such inside wire is provided by the customer.
- (FC) The rate for the Inside Wire Recovery Charge is set forth in 7.4 following.

Issued: September 25, 1989 Effective: October 1, 1989

Access Services Tariff Section 7 1st Revised Sheet 75.01 Replacing Original Sheet 75.01

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.4 Rate Regulations-(Continued)

7.4.8 Shared Use Analog and Digital High Capacity Services (Continued) Pùblic Service Commission

the customer-designated premises will be dependent on the specific type of Special Access Service that is provided (i.e., Voice Grade, Telegraph, etc.) The applicable rates will include a Channel Termination rate, Channel Mileage rates, if applicable and an Inside Wire Recovery Charge, if applicable. Rates for optional features and functions, if any, associated with the service will apply as set forth in 7.5 following.

7.4.9 Inside Wire Recovery Charge

The Inside Wire Recovery Charge is a charge to recover that portion of inside wire cost that is assigned to Special Access Service. Inside wire is as set forth in the Federal Communications Commission's Rules and Regulations. Inside wire may be provided in association with Metallic, Telegraph Grade, Voice Grade, Program Audio and Digital Data Channel Terminations.

Pursuant to CC Docket 83-1145 Memorandum Opinion and Order adopted by the Federal Communications Commission on March 1, 1985, and released on March 8, 1985, the charge is assessed only to those customers to whom such wiring is provided at a customer-designated premises. Accordingly, the charge applies on a per Channel Termination basis for Metallic, Telegraph Grade, Voice Grade (including WATS Access Lines), Program Audio or Digital Data Special Access Services unless all such inside wire is provided by the customer.

The rate for the Inside Wire Recovery Charge is set forth in 7.5 following.

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Issued: OCT 1 4 1987

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Effective: OCT 16 1987

(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rate Regulations-(Continued)
- 7.4.8 Shared Use Analog and Digital High Capacity Services (CService Commission

Access Services Tariff Section 7 Original Sheet 75.01

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the customer-designated premises will be dependent on the specific type of Special Access Service that is provided (i.e., Voice Grade, Telegraph, etc.) The applicable rates will include a Channel Termination rate, Channel Mileage rates, if applicable and an Inside Wire Recovery Charge, if applicable. Rates for optional features and functions, if any, associated with the service will apply as set forth in 7.5 following.

7.4.9 Inside Wire Recovery Charge

The Inside Wire Recovery Charge is a charge to recover that portion of inside wire cost that is assigned to Special Access Service. Inside wire is as set forth in the Federal Communications Commission's Rules and Regulations. Inside wire may be provided in association with Metallic, Telegraph Grade, Voice Grade, Program Audio and Digital Data Channel Terminations.

Pursuant to CC Docket 83-1145 Memorandum Opinion and Order adopted by the Federal Communications Commission on March 1, 1985, and released on March 8, 1985, the charge is assessed only to those customers to whom such wiring is provided at a customer-designated premises. Accordingly, the charge applies on a per Channel Termination basis for Metallic, Telegraph Grade, Voice Grade, Program Audio or Digital Data Special Access Services unless all such inside wire is provided by the customer.

The rate for the Inside Wire Recovery Charge is set for Din 7.5 following.

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Public Service Commission

Southwestern Bell Telephone Company d/b/a AT&T Missouri

Section 7 2nd Revised Sheet 75.2 Replacing 1st Revised Sheet 75.2

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Rate Regulations-(Continued)
- 7.3.10 WATS Access Line Service (WALs)(1)

(CP)

When WATS Access Lines are provided the Voice Grade(1) rate elements (CP) which apply are WAL Channel Termination (CT) between the customer designated premises and the serving wire center associated with that premises and Channel Mileage (CM) between the serving wire center associated with a customer designated premises and the WATS serving office (when the serving wire center is not a WATS serving office). In addition, the Inside Wire Charge (where appropriate). Special Access Line Surcharge and Message Station Equipment Recovery

Charge will apply.

When extensions (i.e., additional terminations of the service at a different premises in the same or a different LATA) are provided, they are rated in the following manner. Both interLATA and intra-LATA extensions require an additional WAL Channel Termination and Channel Mileage (as needed). In addition, the Inside Wire Charge (where appropriate), Special Access Line Surcharge and Message Station Equipment Recovery Charge will apply.

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

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Access Services Tariff
Section 7
1st Revised Sheet 75.02
Replacing Original Sheet 75.02

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- (FC) 7.3 Rate Regulations-(Continued)
- (FC) 7.3.10 WATS Access Line Service (WALs)

When WATS Access Lines are provided the Voice Grade rate elements which apply are WAL Channel Termination (CT) between the customer designated premises and the serving wire center associated with that premises and Channel Mileage (CM) between the serving wire center associated with a customer designated premises and the WATS serving office (when the serving wire center is not a WATS serving office). In addition, the Inside Wire Charge (where appropriate), Special Access Line Surcharge and Message Station Equipment Recovery Charge will apply.

When extensions (i.e., additional terminations of the service at a different premises in the same or a different LATA) are provided, they are rated in the following manner. Both interLATA and intra-LATA extensions require an additional WAL Channel Termination and Channel Mileage (as needed). In addition, the Inside Wire Charge (where appropriate), Special Access Line Surcharge and Message Station Equipment Recovery Charge will apply.

By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

Effective:

October 1, 1989

Issued:

September 25, 1989

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Access Services Tariff Section 7 Original Sheet 75.02

ACCESS SERVICES

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(AT) 7. SPECIAL ACCESS SERVICE-(Continued)

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7.4 Rate Regulations-(Continued)

MISSOURI Public Service Commission

7.4.10 WATS Access Line Service (WALs)

When WATS Access Lines are provided the Voice Grade rate elements which apply are WAL Channel Termination (CT) between the customer designated premises and the serving wire center associated with that premises and Channel Mileage (CM) between the serving wire center associated with a customer designated premises and the WATS serving office (when the serving wire center is not a WATS serving office). In addition, the Inside Wire Charge (where appropriate), Special Access Line Surcharge and Message Station Equipment Recovery Charge will apply.

When extensions (i.e., additional terminations of the service at a different premises in the same or a different LATA) are provided, they are rated in the following manner. Both interLATA and intra-LATA extensions require an additional WAL Channel Termination and Channel Mileage (as needed). In addition, the Inside Wire Charge (where appropriate), Special Access Line Surcharge and Message Station Equipment Recovery Charge will apply.

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Effective: OCT 16 1987

Access Services Tariff Section 7 1st Revised Sheet 75.03 Replacing Original Sheet 75.03

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Rate Regulations-(Continued)
- (CT) 7.3.11 (Reserved for Future Use)

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Issued: January 10, 1997 Effective: February 10, 1997

Access Services Tariff Section 7 Original Sheet 75.03

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

(AT) 7.3 Rate Regulations-(Continued)

7.3.11 Business Video Service

A. General

The rate regulations listed in this section apply to Business Video with the following exceptions:

Business Video Service is offered with a 3-year minimum service period. The customer's rates will not change during the minimum service period unless the customer modifies service, e.g., requesting new rates because of a general tariff rate change. In this situation, a new minimum service period will be established and modification charges, as set forth in paragraph 7.3.11, C., following, will apply.

One month prior to the expiration of the minimum service period, the customer must select one of the following options:

- The customer may renew the service for another 3-year minimum service period at the tariff regulations, rates and charges in effect at the time of renewal. Termination charges will be associated with the new minimum service period.
- 2. The customer may elect to renew the service on a monthly basis at the tariff regulations, rates and charges in effect at the time of renewal. Termination charges do not apply.
- The customer may elect to disconnect the service upon expiration of the existing minimum service period.
- Termination Charges

FEB 1 0 1997#75,03 In the event service is terminated prior to the expiration of the minimum 3-year service period, termination charges specified below will easily below, will apply.

Service Period

Termination Percentage

3 years (36 months)

60%

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Effective: MAR 11

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ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Rate Regulations-(Continued)
- (CT) 7.3.11 (Reserved for Future Use)

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Section 7
Original Sheet 75.04

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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(AT) 7.3 Rate Regulations-(Continued)

7.3.11 Business Video Service-(Continued)

Public Service Commission

B. Termination Charges-(Continued)

The termination charge is calculated as follows:

Example: A customer with a \$2,000 monthly rate terminates service with 5 months remaining in a 3-year service period. The termination charge would be calculated as follows:

 $$2,000 \times 5 \times .60 = $6,000.$

The termination charge would be \$6,000.

In the event service is terminated after a 3-year minimum service period has elapsed and the customer has elected to continue service on a monthly basis, no termination charges apply.

If Special Construction charges were applied for the service being terminated, an associated termination charge, as set forth in Section 14, following, may apply.

C. Modification of Service

The customer may request to modify service provided the service end points remain the same.

It is considered a modification of service when the customer upgrades from Business Video I Service to Business Video II Service. The original minimum service period for Business Video Fiservice remains intact. All rates and charges in effect for Business video II Service at the time of the modification are applicable.

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MAR-1-1 1993

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ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Rate Regulations-(Continued)
- (CT) 7.3.11 (Reserved for Future Use)

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Access Services Tariff Section 7 Original Sheet 75.05

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

(AT) 7.3 Rate Regulations-(Continued)

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7.3.11 Business Video Service-(Continued)

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C. Modification of Service-(Continued)

It is considered a modification of service when the customer, prior to the expiration of the minimum service period, requests a change in rates, i.e., the customer requests the current effective rates which are different from those he is now paying. In this situation, a new minimum service period is established and all applicable charges apply, as stated in Paragraph 7.3.1, B., 3., preceding.

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FEB 1 0 1997 #75.05 Public Service Commission MISSOURI

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APR 19 1993

Issued: FEB 0 9 1993

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Effective:

P.S.C. Mo. - No. 36 **ACCESS SERVICES TARIFF**

Section 7 3rd Revised Sheet 75.6 Replacing 2nd Revised Sheet 75.6

1st Revised Sheet 75.6 was formerly 1st Revised Sheet 75.06 (AT)

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Rate Regulations-(Continued)
 - 7.3.12 MegaLink Data(1) and High Capacity Services

(CP)

A. Rate Bands

MegaLink Data(1) and High Capacity Services Channel Termination and Channel Mileage rates will fall within a lower and upper rate band. Only the monthly rates will fall within these rate bands. Written notice of rate change(s) and its effective date will be sent to the Commission within ten (10) days after the effective date. The rate bands are as follows:

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1. MegaLink Data(1) Service

Lower Band

Upper Band

(CP)

(RT)

a. Channel Termination

4.8 kbps

57.00 60.00 94.00

92.95

9.6 kbps 56.0 kbps

115.00

171.35

b. Channel Mileage Fixed

(RT)

(RT)

4.8 kbps

Mileage Bands

| Mileage Barias | | |
|----------------|-------|-------|
| 0 | None | None |
| Over 0 to 4 | 42.75 | 63.65 |
| Over 4 to 8 | 42.75 | 63.65 |
| Over 8 to 25 | 42.75 | 68.85 |
| Over 25 to 50 | 42.75 | 69.85 |
| Over 50 | 42.75 | 69.85 |

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

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(AT)

Issued: May 28, 2021

Effective: June 30, 2021

P.S.C. Mo. - No. 36 ACCESS SERVICES TARIFF

Southwestern Bell Telephone Company d/b/a AT&T Missouri Section 7 2nd Revised Sheet 75.6 Replacing 1st Revised Sheet 75.6

1st Revised Sheet 75.6 was formerly 1st Revised Sheet 75.06 (AT)

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

7.3.12 MegaLink Data and High Capacity Services

(CT)

A. Rate Bands

1.

MegaLink Data and High Capacity Services Channel Termination and Channel Mileage rates will fall within a lower and upper rate band. Only the monthly rates will fall within these rate bands. Written notice of rate change(s) and its effective date will be sent to the Commission within ten (10) days after the effective date. The rate bands are as follows:

| MegaLink Data Service | Lower Band | <u>Upper Band</u> |
|---|---|---|
| a. Channel Termination | | |
| 2.4 kbps 4.8 kbps 9.6 kbps 56.0 kbps | \$ 57.00 57.00 60.00 115.00 | \$ 92.85 94.00 92.95 171.35 |
| b. Channel Mileage Fixed | | |
| 2.4 kbps Mileage Bands 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 | None 42.75 42.75 42.75 42.75 | None 62.75 67.00 70.45 73.85 76.85 |
| 4.8 kbps Mileage Bands 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 | None 42.75 42.75 42.75 42.75 42.75 | None 63.65 63.65 68.85 69.85 |

Issued: March 20, 2009

CANCELLED June 30, 2021 Missouri Public Service Commission JI-2021-0210 By DAVID NICHOLS, President - Missouri St. Louis, Missouri Filed Missouri Public Service Commission JI-2009-0676

Effective: April 19, 2009

Access Services Tariff Section 7 1st Revised Sheet 75.06 Replacing Original Sheet 75.06

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

(CT) 7.3.12 Competitive Services

1.

A. Rate Bands

MegaLink Data and High Capacity Services Channel Termination and Channel Mileage rates will fall within a lower and upper rate band. Only the monthly rates will fall within these rate bands. Written notice of rate change(s) and its effective date will be sent to the Commission within ten (10) days after the effective date. The rate bands are as follows:

| MegaLink Data Service | Lower Band | Upper Band |
|--------------------------|------------|------------|
| a. Channel Termination | | |
| 2.4 kbps | \$ 57.00 | \$ 92.85 |
| 4.8 kbps | 57.00 | 94.00 |
| 9.6 kbps | 60.00 | 92.95 |
| 56.0 kbps | 115.00 | 171.35 |
| b. Channel Mileage Fixed | | |
| 2.4 kbps | | |
| Mileage Bands | | |
| 0 | None | None |
| Over 0 to 4 | 42.75 | 62.75 |
| Over 4 to 8 | 42.75 | 67.00 |
| Over 8 to 25 | 42.75 | 70.45 |
| Over 25 to 50 | 42.75 | 73.85 |
| Over 50 | 42.75 | 76.85 |
| 4.8 kbps | | |
| Mileage Bands | | |
| 0 | None | None |
| Over 0 to 4 | 42.75 | 63.65 |
| Over 4 to 8 | 42.75 | 63.65 |
| Over 8 to 25 | 42.75 | 68.85 |
| Over 25 to 50 | 42.75 | 69.85 |
| Over 50 | 42.75 | 69.85 |
| | | |

Issued: February 20, 2002 Effective: March 29, 2002

Access Services Tariff Section 7 Original Sheet 75.06

ACCESS SERVICES

RECEIVED

SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

MAY 6 1934

7.3.12 Transitionally Competitive Services

MISSOURI Public Sarvice Commission

A. Rate Bands

MegaLink Data and High Capacity Services Channel Termination and Channel Mileage rates will fall within a lower and upper rate band. Only the monthly rates will fall within these rate bands. Written notice of rate change(s) and its effective date will be sent to the Commission within ten (10) days after the effective date. The rate bands are as follows:

| 1. | Meg | aLink Data Servi | ce | Lower Band | Upper Band |
|----|-----|--|---|---|---|
| | a. | Channel Termina | tion | | |
| | | 2.4 kbps 4.8 kbps 9.6 kbps 56.0 kbps | | \$ 57.00 57.00 60.00 115.00 | \$ 92.85 94.00 92.95 171.35 |
| | b. | Channel Mileage | Fixed | | |
| | | 2.4 kbps Mileage Bands 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 4.8 kbps Mileage Bandar | CANCELLED MAR 2 9 2002 None 42.75 42.75 42.75 42.75 42.75 | None 62.75 67.00 70.45 73.85 76.85 |
| | | 0 0 ver 0 to 4 | MISSOURI | None 42.75 | None 63.65 |
| | | Over 4 to 8 | | 42.75 | 63.65 |
| | | Over 8 to 25 | | 42.75 | 68.85 |
| | | Over 25 to 50 | | 42.75 | 69.85 |
| | | 0ver 50 | | 42.75 | 69.85 |

Issued:

Effective: APR 1 1 1995

By M. H. SCHULTEIS, Division Manager-Regulatory & Industry Relations

Southwestern Bell Telephone St. Louis, Missouri

11280

APR 1 1 1995 94 - 364" PUBLIC SERVICE COMM

P.S.C. Mo. - No. 36 ACCESS SERVICES TARIFF

Section 7 3rd Revised Sheet 75.7 Replacing 2nd Revised Sheet 75.7

1st Revised Sheet 75.7 was formerly 1st Revised Sheet 75.07 (AT)

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Rate Regulations-(Continued)
 - 7.3.12 MegaLink Data(1) and High Capacity Services-(Continued)

(CP)

A. Rate Bands-(Continued)

9.6 kbps

| 1. | MegaLink Data(1) Service- | Lower Band | <u>Upper Band</u> | (CP) |
|----|---------------------------|------------|-------------------|------|
| | (Continued) | | | |

b. Channel Mileage Fixed-(Continued)

| Mileage Bands | | |
|---------------|----------|----------|
| 0 | None | None |
| Over 0 to 4 | \$ 57.00 | \$ 87.55 |
| Over 4 to 8 | 57.00 | 87.75 |
| Over 8 to 25 | 57.00 | 91.95 |
| Over 25 to 50 | 57.00 | 94.55 |
| Over 50 | 57.00 | 94.55 |
| 56 kbps | | |
| Mileage Bands | | |
| 0 | None | None |
| Over 0 to 4 | 94.00 | 134.85 |
| Over 4 to 8 | 94.00 | 145.15 |
| Over 8 to 25 | 94.00 | 160.65 |
| Over 25 to 50 | 94.00 | 160.65 |
| Over 50 | 94.00 | 161.00 |

c. Channel Mileage Per Mile

0 4 1/6 5 5

Issued: May 28, 2021

| 2.4 KDPS | | |
|---------------|------|------|
| Mileage Bands | | |
| 0 | None | None |
| Over 0 to 4 | 0.62 | 2.25 |
| Over 4 to 8 | 0.62 | 1.20 |
| Over 8 to 25 | 0.62 | 0.75 |
| Over 25 to 50 | 0.62 | 0.60 |
| Over 50 | 0.62 | 0.55 |
| | | |

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(AT)

P.S.C. Mo. - No. 36 ACCESS SERVICES TARIFF

Southwestern Bell Telephone Company d/b/a AT&T Missouri Section 7 2nd Revised Sheet 75.7 Replacing 1st Revised Sheet 75.7

1st Revised Sheet 75.7 was formerly 1st Revised Sheet 75.07 (AT)

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

7.3.12 MegaLink Data and High Capacity Services-(Continued)

(CT)

A. Rate Bands-(Continued)

| 1. | | gaLink Data Service- ontinued) | Lower Band | <u>Upper Band</u> |
|----|----|-----------------------------------|------------|-------------------|
| | b. | Channel Mileage Fixed-(Continued) | | |
| | | 9.6 kbps Mileage Bands | | |
| | | 0 | None | None |
| | | Over 0 to 4 | \$ 57.00 | \$ 87.55 |
| | | Over 4 to 8 | 57.00 | 87.75 |

| Over 8 to 25 | 57.00 | 91.95 |
|---------------|-------|-------|
| Over 25 to 50 | 57.00 | 94.55 |
| Over 50 | 57.00 | 94.55 |
| 56 kbps | | |

| 56 KDPS | | |
|---------------|-------|--------|
| Mileage Bands | | |
| 0 | None | None |
| Over 0 to 4 | 94.00 | 134.85 |
| Over 4 to 8 | 94.00 | 145.15 |
| Over 8 to 25 | 94.00 | 160.65 |
| Over 25 to 50 | 94.00 | 160.65 |
| Over 50 | 94.00 | 161.00 |
| | | |

c. Channel Mileage Per Mile

| 2.4 kbps | | |
|---------------|------|------|
| Mileage Bands | | |
| 0 | None | None |
| Over 0 to 4 | 0.62 | 2.25 |
| Over 4 to 8 | 0.62 | 1.20 |
| Over 8 to 25 | 0.62 | 0.75 |
| Over 25 to 50 | 0.62 | 0.60 |
| Over 50 | 0.62 | 0.55 |

Issued: March 20, 2009 Effective: April 19, 2009

Access Services Tariff Section 7 1st Revised Sheet 75.07 Replacing Original Sheet 75.07

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

(CT) 7.3.12 Competitive Services-(Continued)

1.

A. Rate Bands-(Continued)

| • | MegaLink Data Service- (Continued) | Lower Band | Upper Band |
|---|---------------------------------------|------------|------------|
| | b. Channel Mileage Fixed-(Continued) | | |
| | 9.6 kbps | | |
| | Mileage Bands | | |
| | 0 | None | None |
| | Over 0 to 4 | \$ 57.00 | \$ 87.55 |
| | Over 4 to 8 | 57.00 | 87.75 |
| | Over 8 to 25 | 57.00 | 91.95 |
| | Over 25 to 50 | 57.00 | 94.55 |
| | Over 50 | 57.00 | 94.55 |
| | 56 kbps | | |
| | Mileage Bands | | |
| | 0 | None | None |
| | Over 0 to 4 | 94.00 | 134.85 |
| | Over 4 to 8 | 94.00 | 145.15 |
| | Over 8 to 25 | 94.00 | 160.65 |
| | Over 25 to 50 | 94.00 | 160.65 |
| | Over 50 | 94.00 | 161.00 |
| | c. Channel Mileage Per Mile | | |
| | 2.4 kbps | | |
| | Mileage Bands | | |
| | 0 | None | None |
| | Over 0 to 4 | 0.62 | 2.25 |
| | Over 4 to 8 | 0.62 | 1.20 |
| | Over 8 to 25 | 0.62 | 0.75 |
| | Over 25 to 50 | 0.62 | 0.60 |
| | Over 50 | 0.62 | 0.55 |
| | | | |

Issued: February 20, 2002 Effective: March 29, 2002

Access Services Tariff
Section 7
Original Sheet 75.07

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

RECEIVED

7.3 Rate Regulations-(Continued)

MAY 6 1994

7.3.12 Transitionally Competitive Services-(Continued)

MISSOURI Public Service Commission

A. Rate Bands-(Continued)

 MegaLink Data Service-(Continued) Lower Band

Upper Band

b. Channel Mileage Fixed-(Continued)

| 9.6 kbps | | |
|---------------|----------|---------|
| Mileage Bands | | |
| 0 | None | None |
| Over 0 to 4 | \$ 57.00 | \$ 87.5 |
| Over 4 to 8 | 57.00 | 87. |
| Over 8 to 25 | 57.00 | 91.9 |
| Over 25 to 50 | 57.00 | 94. |
| Over 50 | 57.00 | 94. |
| | | |

| 56 kbps Mileage Ban | ıds |
|------------------------|-----|
| 0 | |
| Over 0 to 4 | |

| 0 | None | None |
|---------------|-------|--------|
| Over 0 to 4 | 94.00 | 134.85 |
| Over 4 to 8 | 94.00 | 145.15 |
| Over 8 to 25 | 94.00 | 160.65 |
| Over 25 to 50 | 94.00 | 160.65 |
| Over 50 | 94.00 | 161.00 |
| | | |

c. Channel Mileage Per Mile

| 2.4 | kbps | |
|-----|------|-------|
| Mi] | eage | Bands |

| | o |
|------|----------|
| 0ver | 0 to 4 |
| 0ver | 4 to 8 |
| 0ver | 8 to 25 |
| 0ver | 25 to 50 |
| 0ver | 50 |

CANCELLED

 None
 None

 0.62
 2.25

 0.62
 1.20

 0.62
 0.75

 0.62
 0.60

 0.62
 0.55

MAR 2 9 2002

Public Service Commission
MISSOURI

Issued: APR 0 6 1995

Effective:

APR 1 1 1995

By M. H. SCHULTEIS, Division Manager-Regulatory & Industry Relations Southwestern Bell Telephone

St. Louis, Missouri

11260

APR 1 1 1995 94 - 364 32 PUBLIC SERVICE COM:

Southwestern Bell Telephone Company d/b/a AT&T Missouri

Section 7 3rd Revised Sheet 75.8

Replacing 2nd Revised Sheet 75.8

1st Revised Sheet 75.8 was formerly 1st Revised Sheet 75.08 (AT)

ACCESS SERVICES

P.S.C. Mo. - No. 36 **ACCESS SERVICES TARIFF**

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Rate Regulations-(Continued)
 - 7.3.12 MegaLink Data(1) and High Capacity Services-(Continued)

(CP)

A. Rate Bands-(Continued)

| 1. | MegaLink Data(1) Service- | <u>Lower Band</u> | <u>Upper Band</u> | (CP) |
|----|---------------------------|-------------------|-------------------|------|
| | (Continued) | | | , , |

Channel Mileage Per Mile-(Continued)

| 4.8 kbps Mileage Bands 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 | None \$ 0.62 0.62 0.62 0.62 0.62 | None \$1.70 1.70 1.05 1.00 |
|---|---|--|
| 9.6 kbps Mileage Bands 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 | None 1.10 1.10 1.10 1.10 1.10 | None 2.65 2.65 2.10 2.00 2.00 |
| 56 kbps Mileage Bands 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 | None 3.00 3.00 3.00 3.00 3.00 | None 8.10 5.55 3.60 3.60 3.60 |

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(AT)

P.S.C. Mo. - No. 36 ACCESS SERVICES TARIFF

Southwestern Bell Telephone Company d/b/a AT&T Missouri Section 7 2nd Revised Sheet 75.8 Replacing 1st Revised Sheet 75.8

1st Revised Sheet 75.8 was formerly 1st Revised Sheet 75.08 (AT)

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

7.3.12 MegaLink Data and High Capacity Services-(Continued)

(CT)

A. Rate Bands-(Continued)

| 1. | MegaLink Data Service- (Continued) | Lower Band | Upper Band |
|----|---|--|--|
| | c. Channel Mileage Per Mile-(Continued) | | |
| | 4.8 kbps Mileage Bands 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 | None \$ 0.62 0.62 0.62 0.62 | None \$1.70 1.70 1.05 1.00 |
| | Over 50 9.6 kbps Mileage Bands | 0.62 | 1.00 |
| | Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 | None 1.10 1.10 1.10 1.10 1.10 | None 2.65 2.65 2.10 2.00 2.00 |
| | 56 kbps Mileage Bands 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 | None 3.00 3.00 3.00 | None 8.10 5.55 3.60 |

Issued: March 20, 2009

Over 25 to 50

Over 50

CANCELLED June 30, 2021 Missouri Public Service Commission JI-2021-0210 By DAVID NICHOLS, President - Missouri St. Louis, Missouri

3.00

3.00

3.60

3.60

Filed Missouri Public Service Commission JI-2009-0676

Effective: April 19, 2009

Access Services Tariff Section 7 1st Revised Sheet 75.08 Replacing Original Sheet 75.08

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

(CT) 7.3.12 Competitive Services-(Continued)

A. Rate Bands-(Continued)

| ١. | MegaLink Data Service- (Continued) | Lower Band | <u>Upper Band</u> |
|----|---|------------|-------------------|
| | c. Channel Mileage Per Mile-(Continued) | | |
| | 4.8 kbps | | |
| | Mileage Bands | | |
| | 0 | None | None |
| | Over 0 to 4 | \$ 0.62 | \$1.70 |
| | Over 4 to 8 | 0.62 | 1.70 |
| | Over 8 to 25 | 0.62 | 1.05 |
| | Over 25 to 50 | 0.62 | 1.00 |
| | Over 50 | 0.62 | 1.00 |
| | 9.6 kbps | | |
| | Mileage Bands | | |
| | 0 | None | None |
| | Over 0 to 4 | 1.10 | 2.65 |
| | Over 4 to 8 | 1.10 | 2.65 |
| | Over 8 to 25 | 1.10 | 2.10 |
| | Over 25 to 50 | 1.10 | 2.00 |
| | Over 50 | 1.10 | 2.00 |
| | 56 kbps | | |
| | Mileage Bands | | |
| | 0 | None | None |
| | Over 0 to 4 | 3.00 | 8.10 |
| | Over 4 to 8 | 3.00 | 5.55 |
| | Over 8 to 25 | 3.00 | 3.60 |
| | Over 25 to 50 | 3.00 | 3.60 |
| | Over 50 | 3.00 | 3.60 |
| | | | |

Issued: February 20, 2002 Effective: March 29, 2002

Access Services Tariff
Section 7
Original Sheet 75.08

ACCESS SERVICES

RECEIVED

SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

MAY 6 1934

7.3.12 Transitionally Competitive Services-(Continued)

MISSOURI
Public Service Commission

A. Rate Bands-(Continued)

 MegaLink Data Service-(Continued) Lower Band

Upper Band

c. Channel Mileage Per Mile-(Continued)

| 4.8 kbps | | |
|---------------|---------|---------|
| Mileage Bands | | |
| 0 | None | None |
| Over 0 to 4 | \$ 0.62 | \$ 1.70 |
| Over 4 to 8 | 0.62 | 1.70 |
| Over 8 to 25 | 0.62 | 1.05 |
| Over 25 to 50 | 0.62 | 1.00 |
| Over 50 | 0.62 | 1.00 |
| 0.00 | 0.02 | 2110 |
| 9.6 kbps | | |
| Mileage Bands | | |
| 0 | None | None |
| Over 0 to 4 | 1.10 | 2.65 |
| Over 4 to 8 | 1.10 | 2.65 |
| Over 8 to 25 | 1.10 | 2.10 |
| Over 25 to 50 | 1.10 | 2.00 |
| Over 50 | 1.10 | 2.00 |
| 0.22 50 | 2.10 | 2.00 |
| 56 kbps | | |
| Mileage Bands | | |
| 0 | None | None |
| Over O to 4 | 3.00 | 8.10 |
| Over 4 to 8 | 3.00 | 5.55 |
| Over 8 to 25 | 3.00 | 3.60 |
| Over 25 to 50 | 3.00 | 3.60 |
| Over 50 | 3.00 | 3.60 |
| 0.01 50 | X 17 | 3.00 |

CANCELLED

Public Service Commission

Issued: APR 0 6 1995

Effective: APR 1 1 1995

By M. H. SCHULTEIS, Division Manager-Regulatory & Industry Relations
Southwestern Bell Telephone
St. Louis, Missouri

APR 1 1 1995 9 4 - 3 6 4

P.S.C. Mo. - No. 36 ACCESS SERVICES TARIFF

Section 7 3rd Revised Sheet 75.9 Replacing 2nd Revised Sheet 75.9

1st Revised Sheet 75.9 was formerly 1st Revised Sheet 75.09 (AT)

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Rate Regulations-(Continued)

Company d/b/a AT&T Missouri

7.3.12 MegaLink Data(1) and High Capacity Services-(Continued)

(CP)

A. Rate Bands-(Continued)

| 2. | Hiç | gh Capacity Service | Lower Band | <u>Upper Band</u> |
|----|-----|--------------------------|------------|-------------------|
| | a. | Channel Termination | | |
| | | 1.544 Mbps | \$147.88 | \$225.00 |
| | b. | Channel Mileage Fixed | | |
| | | 1.544 Mbps | | |
| | | Mileage Bands | | |
| | | 0 | None | None |
| | | Over 0 to 4 | 46.00 | 100.00 |
| | | Over 4 to 8 | 46.00 | 100.00 |
| | | Over 8 to 25 | 46.00 | 80.00 |
| | | Over 25 to 50 | 46.00 | 80.00 |
| | | Over 50 | 46.00 | 80.00 |
| | c. | Channel Mileage Per Mile | | |
| | | 1.544 Mbps | | |
| | | Mileage Bands | | |
| | | 0 | None | None |
| | | Over 0 to 4 | 25.00 | 50.00 |
| | | Over 4 to 8 | 25.00 | 60.00 |
| | | Over 8 to 25 | 25.00 | 60.00 |
| | | Over 25 to 50 | 25.00 | 60.00 |
| | | Over 50 | 25.00 | 60.00 |

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(AT)

P.S.C. Mo. - No. 36 ACCESS SERVICES TARIFF

Southwestern Bell Telephone Company d/b/a AT&T Missouri Section 7 2nd Revised Sheet 75.9 Replacing 1st Revised Sheet 75.9

1st Revised Sheet 75.9 was formerly 1st Revised Sheet 75.09 (AT)

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

7.3.12 MegaLink Data and High Capacity Services-(Continued)

(CT)

A. Rate Bands-(Continued)

Over 50

| 2. | High Capacity Service | | Lower Band | Upper Band |
|----|-----------------------|---|--|---|
| | a. | Channel Termination | | |
| | | 1.544 Mbps | \$147.88 | \$225.00 |
| | b. | Channel Mileage Fixed | | |
| | | 1.544 Mbps Mileage Bands 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 | None 46.00 46.00 46.00 46.00 | None 100.00 100.00 80.00 80.00 80.00 |
| | C. | Channel Mileage Per Mile 1.544 Mbps Mileage Pands | | |
| | | Mileage Bands 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 | None 25.00 25.00 25.00 25.00 | None 50.00 60.00 60.00 60.00 |

Issued: March 20, 2009

CANCELLED June 30, 2021 Missouri Public Service Commission JI-2021-0210 By DAVID NICHOLS, President - Missouri St. Louis, Missouri

25.00

60.00

Effective: April 19, 2009

Filed

Missouri Public

Service Commission

JI-2009-0676

Access Services Tariff Section 7 1st Revised Sheet 75.09 Replacing Original Sheet 75.09

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

(CT) 7.3.12 Competitive Services-(Continued)

A. Rate Bands-(Continued)

| 2. High Capacity Service | | Lower Band | Upper Band |
|--------------------------|--------------------------|---|---|
| a. | Channel Termination | | |
| | 1.544 Mbps | \$147.88 | \$225.00 |
| b. | Channel Mileage Fixed | | |
| | 1.544 Mbps | | |
| | Mileage Bands | | |
| | 0 | None | None |
| | Over 0 to 4 | 46.00 | 100.00 |
| | Over 4 to 8 | 46.00 | 100.00 |
| | Over 8 to 25 | 46.00 | 80.00 |
| | Over 25 to 50 | 46.00 | 80.00 |
| | Over 50 | 46.00 | 80.00 |
| c. | Channel Mileage Per Mile | | |
| | 1.544 Mbps | | |
| | Mileage Bands | | |
| | 0 | None | None |
| | Over 0 to 4 | 25.00 | 50.00 |
| | Over 4 to 8 | 25.00 | 60.00 |
| | Over 8 to 25 | 25.00 | 60.00 |
| | Over 25 to 50 | 25.00 | 60.00 |
| | Over 50 | 25.00 | 60.00 |
| | a. b. | a. Channel Termination 1.544 Mbps b. Channel Mileage Fixed 1.544 Mbps Mileage Bands 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 c. Channel Mileage Per Mile 1.544 Mbps Mileage Bands 0 Over 0 to 4 Over 4 to 8 Over 4 to 8 Over 8 to 25 Over 25 to 50 | a. Channel Termination 1.544 Mbps \$147.88 b. Channel Mileage Fixed 1.544 Mbps Mileage Bands 0 None Over 0 to 4 46.00 Over 4 to 8 46.00 Over 8 to 25 46.00 Over 50 46.00 c. Channel Mileage Per Mile 1.544 Mbps Mileage Bands 0 None Over 0 to 4 25.00 Over 4 to 8 25.00 Over 4 to 8 25.00 Over 4 to 8 25.00 Over 8 to 25 25.00 Over 8 to 25 25.00 Over 25 to 50 25.00 |

Issued: February 20, 2002 Effective: March 29, 2002

Access Services Tariff
Section 7
Original Sheet 75.09

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

MAY 6 1994

7.3.12 Transitionally Competitive Services-(Continued)

MISSOURI
Public Service Commission

A. Rate Bands-(Continued)

2.

| High Capacity Service | Lower Band | Upper Band |
|---|---|---|
| a. Channel Termination | | |
| 1.544 Mbps | \$147.88 | \$225.00 |
| b. Channel Mileage Fixed | | |
| 1.544 Mbps Mileage Bands 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 | None 46.00 46.00 46.00 46.00 | None 100.00 100.00 80.00 80.00 80.00 |
| c. Channel Mileage Per Mile 1.544 Mbps Mileage Bands 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 | None 25.00 25.00 25.00 25.00 25.00 | None 50.00 60.00 60.00 60.00 60.00 |

CANCELLED

MAR 2 9 2002 15.09 Public Service Commission MISSOURI

Issued: APR 0 6 1995

Effective:

APR 1 1 1995

By M. H. SCHULTEIS, Division Manager-Regulatory & Industry Relations
Southwestern Bell Telephone

St. Louis, Missouri

PILLO

APR 1 1 1995 94 - 3 6 4 110 PUBLIC SERVICE COMP

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rates and Charges

| 7.4.1 Metallic(1) Service | <u>USOC</u> | Monthly <u>Rates</u> | | curring arges Addl. Ckt | (CP) |
|---|-------------|-------------------------|--------|-------------------------------|------|
| A. Channel Termination - Per point of termination | T6ECS | \$24.00 | 113.00 | 77.00 | |
| Inside wire charge Per Channel Termination | WMJ | None | None | | |

B. Channel Mileage

| | | Month | nly Rates |
|---------------|-------------|---------|-----------|
| Mileage Bands | <u>USOC</u> | Fixed | Per Mile |
| 0 | 1L5XX | None | None |
| Over 0 to 4 | 1L5XX | \$12.00 | .59 |
| Over 4 to 8 | 1L5XX | 12.00 | 2.20 |
| Over 8 to 25 | 1L5XX | 11.00 | 3.28 |
| Over 25 to 50 | 1L5XX | 11.00 | 3.28 |
| Over 50 | 1L5XX | 11.00 | 3.28 |
| | | | |

| | Monthly | Nonrecurring |
|-------------|-----------------|----------------|
| <u>USOC</u> | _ <u>Rates_</u> | <u>Charges</u> |

- C. Optional Features, BSEs and Functions
 - 1. Bridging
 - a. Three Premises
 Bridging
 Per port
 BCNM3 \$5.35 None
 b. Series Bridging
 Per port
 BCNMS 5.35 None

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(AT)

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges

| 7.4.1 Metallic Service | <u>USOC</u> | Monthly <u>Rates</u> | | ecurring parges Addl. Ckt |
|---|-------------|----------------------|-------------|---------------------------------|
| A. Channel Termination- Per point of termination | T6ECS | (CR) \$24.00 | (CR) 113.00 | (CR) 77.00 |
| 1. Inside wire charge- Per Channel Termination | WMJ | None | None | |

B. Channel Mileage

| | <u>Mo</u> ı | nthly Rates |
|-------------|---|---|
| <u>USOC</u> | <u>Fixed</u> | Per Mile |
| 1L5XX | None | None |
| 1L5XX | (CR)\$12.00 | (CR) .59 |
| 1L5XX | 12.00 | 2.20 |
| 1L5XX | 11.00 | 3.28 |
| 1L5XX | 11.00 | 3.28 |
| 1L5XX | (CR) 11.00 | (CR) 3.28 |
| | 1L5XX 1L5XX 1L5XX 1L5XX 1L5XX | USOC Fixed 1L5XX None 1L5XX (CR)\$12.00 1L5XX 12.00 1L5XX 11.00 1L5XX 11.00 |

| | Monthly | Nonrecurring |
|-------------|---------|--------------|
| <u>USOC</u> | _Rates_ | Charges |

C. Optional Features, BSEs and Functions

1. Bridging

a. Three Premises Bridging - Per port

BCNM3 (CR)\$5.35

None

b. Series Bridging

- Per port **BCNMS** (CR) 5.35

None

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JUNE 25, 2000 Effective:

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ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

MAR 29 1993

7.4 Rates and Charges

WHIL 20 1333

7.4.1 Metallic Service

MISSOURI Public Service Commission

| | | <u>usoc</u> | Monthly Rates | Nonrecurring Charges 1st Ckt Addl. Ckt |
|----|---|-------------|------------------|--|
| Α. | Channel Termination - Per point of termination | T6ECS | \$22.40 | 105.00 72.00 |
| | Inside wire charge Per Channel Termination | WMJ | None | None |

B. Channel Mileage

| | Honting Rates_ | | | |
|---------------|----------------|------------------|-------------------------|--|
| Mileage Bands | <u>usoc</u> | Fixed | Per Mile | |
| 0 | 1L5XX | None | None | |
| Over 0 to 4 | 1L5XX | \$11.25 | .55 | |
| Over 4 to 8 | 1L5XX | 11.25 | 2.05 | |
| Over 8 to 25 | 1L5XX | 10.30 | 3.05 | |
| Over 25 to 50 | 1L5XX | 10.30 | 3.05 | |
| 0ver 50 | 1L5XX | 10.30 | 3.05 | |
| | USOC | Monthly Rates | Nonrecurring Charges | |
| | | | | |

(AT) C. Optional Features, BSEs and Functions

CANCELLED

JUN 25 2000

Monthly Rates

1. Bridging

a. Three Premises
Bridging
- Per port

BCNM3

By 5#RS 76
Public Service Commission

MISSOURI None

b. Series Bridging

Per port

BCNMS 5.00

None

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ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

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7.4 Rates and Charges

MISSOURI Public Service Commission

| | 7.4. | 1 Metallic Service | | | Public Service Commi |
|------|------|---|-------------------------|--------------------------|--|
| (AT) | | | <u>usoc</u> | Monthly Rates | Nonrecurring Charges 1st Ckt Addl. Ckt |
| | Α. | Channel Termination - Per point of termination | T6ECS | \$22.40 | (CR) 105.00 (NR) 72.00 |
| | | Inside wire charge Per Channel Termination | WMJ | None | None |
| | В. | Channel Mileage | | | CANCELLE |
| | | Mileage Bands | <u>usoc</u> | Mont Fixed | Per Mile APR 11 1993 None BY # Th R.S. The Sorvice Com- |
| | | 0 Over 0 to 4 Over 4 to 8 | 1L5XX 1L5XX 1L5XX | None \$11.25 11.25 | 2.05 MISSOURI |
| | | Over 8 to 25 | 1L5XX | 10.30 | 3.05 |

| | usoc | Monthly Rates | Nonrecurring Charges |
|---------------|---------------|------------------|-------------------------|
| 0ver 50 | 1L5XX | 10.30 | 3.05 |
| 0ver 25 to 50 | 1L5 XX | 10.30 | 3.05 |
| 0.U- 0 10 U- | | | 5.05 |

- Optional Features and Functions
 - 1. Bridging
 - a. Three Premises Bridging - Per port \$5.00 BCNM3 None b. Series Bridging 5.00 - Per port **BCNMS** None

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ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

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(FC) 7.4 Rates and Charges

MISSOURI

Public Service Commission

(FC) 7.4.1 Metallic Service

| | | <u>usoc</u> | Monthly Rates | Nonrecurring Charges |
|----|--|-------------|------------------|-------------------------|
| Α. | Channel Termination - Per point of termination 1. Inside wire charge | T6ECS | (CR)\$22.40 | (CR)\$125.00 |
| | - Per Channel Termination | WMJ | None | None |

B. Channel Mileage

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SEP 3 0 1991

| | | | 9 22,1 9 3 1 2 4 1 |
|------------------------------------|-------------|-------------|----------------------------|
| | | Mont | hly Rates 3 R.S. #76 |
| Mileage Bands | USOC | Fixed | Pulsto Mile ice Commission |
| 0 | 1L5XX | None | None MISSOURI |
| Over 0 to 4 | 1L5XX | (CR)\$11.25 | (CR) .55 |
| Over 4 to 8 | 1L5XX | 11.25 | 2.05 |
| Over 8 to 25 | 1L5XX | 10.30 | 3 .05 |
| Over 25 to 50 | 1L5XX | 10.30 | 3.05 |
| Over 50 | 1L5XX | (CR) 10.30 | (CR) 3.05 |
| | | Monthly | Nonrecurring |
| | <u>usoc</u> | Rates | Charges |
| Optional Features and Functions | | | |
| 1. Bridging | | | |
| a. Three Premises | | | |

| a. | Bridging - Per port | BCNM3 | \$5.00 | None |
|----|-------------------------------|-------|--------|------|
| ь. | Series Bridging - Per port | BCNMS | 5.00 | None |

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Public Service Commission

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Effective: OCT 1 1989

Access Services Tariff Section 7 1st Revised Sheet 76 Replacing Original Sheet 76

(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges
 - 7.5.1 Metallic Service

| Monthly Rates | MISSUUKI Public Service Commission Charges |
|------------------|--|
| \$14.80 | \$75.80 |

| | | USOC | Rates | Charges |
|----|--|-------|---------|---------|
| Α. | Channel Termination | | | |
| | - Per point of termination | T6ECS | \$14.80 | \$75.80 |
| | Inside wire charge | | | |
| | - Per Channel Termination | LMW | None | NONE |

Channel Mileage

| Mileage Bands | USOC | <u>Fixed</u> | Per Mile |
|---------------|-------|--------------|----------|
| 0 | 1L5XX | None | None |
| Over 0 to 4 | 1L5XX | None | \$18.60 |
| Over 4 to 8 | 1L5XX | None | 18.60 |
| Over 8 to 25 | IL5XX | None | 18.60 |
| Over 25 to 50 | 1L5XX | None | 18.60 |
| Over 50 | 1L5XX | None | 18.60 |

USOC

| | | |
|----|-----------------------|---------|
| c. | Optional Features and | CANCEL |
| | Functions | C ≥ 1 3 |

1. Bridging

Three Premises Bridging - Per port

BCNM3

Series Bridging **BCNMS** 5.00 - Per port

jervice Commission

Monthly Rates

Monthly

Rates

Nonrecurring

Charges

None 1986

86-84 Public Service Commission

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Effective: JUL 1 1996

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

- - DEC 20 1883

- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)
 - C. Program Audio Services-(Continued)
 - 2. Program Audio 2 (AP2) Special Access Service-(Continued)
 - b. Illustrative Application

Special Access Service AP2 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as:

- Wired Music
- c. Optional Features
 - Gain Conditioning control of 1004 Hz AML at initiation of service to 0 dB ± 0.5 dB.
 - Central office bridging capability (wired music).
- d. Transmission Performance
 - Actual Measured Loss (AML)

When the service is initiated, the 1004 Hz AML will be less than 32 dB. With the addition of optional gain conditioning, the AML will be 0 ± 0.5 dB. Remedial action will be taken when the loss variation at 1004 Hz exceeds the initial AML by ±4.0 dB.

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ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rates and Charges-(Continued)

7.4.2 Telegraph Grade(1) Service

(CP)

| | USOC | Monthly <u>Rates</u> | Nonrecurring <u>Charges</u> | |
|--|----------------|-------------------------|-----------------------------|------------------|
| | | | 1st Ckt | Addl. Ckt |
| A. Channel Termination- Per point of termination- Two-Wire- Four-Wire | T6E2X T6E4X | \$38.00 64.25 | 167.00 167.00 | 121.00 121.00 |
| Inside Wire Charge Per Channel Termination | WMJ | None | ١ | Vone |

B. Channel Mileage

| | | Month | nly Rates |
|----------------------|-------------|--------------|--------------|
| <u>Mileage Bands</u> | <u>USOC</u> | <u>Fixed</u> | Per Mile |
| | | | |
| 0 | 1L5XX | None | None |
| Over 0 to 4 | 1L5XX | \$22.75 | \$5.80 |
| Over 4 to 8 | 1L5XX | 22.00 | 5.80 |
| Over 8 to 25 | 1L5XX | 22.00 | 5.80 |
| Over 25 to 50 | 1L5XX | 23.25 | 5.80 |
| Over 50 | 1L5XX | 61.00 | 4.95 |
| | | Monthly | Nonrecurring |
| | USOC | Rates | Charges |

- C. Optional Features, BSEs and Functions
 - Telegraph Bridging Two-Wire and Four-Wire
 - Per port

- Two-Wire BCNT2 \$6.60 None Four-Wire BCNT4 6.60 None

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

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(AT)

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

7.4.2 Telegraph Grade Service

| | <u>USOC</u> | Monthly <u>Rates</u> | | curring arges Addl. Ckt |
|--|----------------|---------------------------|--------------------------|-------------------------------|
| A. Channel Termination- Per point of termination- Two-Wire- Four-Wire | T6E2X T6E4X | (CR)\$38.00 (CR) 64.25 | (CR)167.00 (CR)167.00 | (CR)121.00 (CR)121.00 |
| 1. Inside Wire Charge- Per Channel Termination | WMJ | None | N | lone |

B. Channel Mileage

| | | Mont | hly Rates |
|--|-------------|--------------|--------------|
| Mileage Bands | <u>USOC</u> | <u>Fixed</u> | Per Mile |
| 2 | 11 63737 | | NY. |
| 0 | 1L5XX | None | None |
| Over 0 to 4 | 1L5XX | (CR) \$22.75 | (CR) \$5.80 |
| Over 4 to 8 | 1L5XX | 22.00 | 5.80 |
| Over 8 to 25 | 1L5XX | 22.00 | 5.80 |
| Over 25 to 50 | 1L5XX | 23.25 | 5.80 |
| Over 50 | 1L5XX | (CR) 61.00 | (CR) 4.95 |
| | | | |
| | | Monthly | Nonrecurring |
| | <u>USOC</u> | Rates | Charges |
| C. Optional Features, BSEs and Functions | | | |

1. Telegraph Bridging

Two-Wire and Four-Wire

- Per port

- Two-Wire

- Four-Wire

BCNT2 BCNT4 (CR)\$6.60 (CR) 6.60 None None

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Effective:

JUNE 25, 2000

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Replacing 3rd Revised Sheet 77

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

MAR 29 1993

7.4 Rates and Charges-(Continued)

MISSOURI

7.4.2 Telegraph Grade Service

Public Service Commission

| | | usoc | Monthly Rates | Nonrecurring Charges 1st Ckt Addl. Ckt |
|----|--|----------------|------------------|--|
| Α. | Channel Termination - Per point of termination - Two-Wire - Four-Wire | T6E2X T6E4X | \$35.20 59.75 | 155.00 113.00 155.00 113.00 |
| | Inside Wire Charge Per Channel Termination | WMJ | None | None |
| В. | Channel Mileage | | Monthly | , Patas |
| | Mileage Bands | USOC | Fixed | Per Mile |
| | | 0000 | 11/100 | 11110 |
| | 2 5 2000 Sour 4 to 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1L5XX | None | None |
| | Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 25 to 50 | 1L5XX | \$21.25 | \$5.40 |
| | Over 4 to 8 💍 🛚 🗢 🔾 📆 🥳 | 1L5XX | 20.45 | 5.40 |
| | 0ver 8 to 25 ≥ ≥ ♦ '≥ 5 | 1L5XX | 20.50 | 5.40 |
| | 0ver 25 to 50 ₹ ₹ ₩ | 1L5XX | 21.65 | 5.40 |
| | Over 50 | 1L5XX | 56.77 | 4.60 |
| | · <u>0</u> . | | Monthly | Nonrecurring |
| | | USOC | Rates | Charges |
| c. | Optional Features, BSEs and Functions | | | |
| | Telegraph Bridging Two-Wire and Four-Wire Per port Two-Wire | BCNT2 | \$6.15 | N o ne |

Issued: MAR 2 & 1993

- Four-Wire

(AT)

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None

BCNT4

6.15

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Monthly Rates

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

AUG 9 1991

7.4 Rates and Charges-(Continued)

MISSOURI
Public Service Commiss

7.4.2 Telegraph Grade Service

| | | <u>usoc</u> | Monthly Rates | Nonrecu Charg 1st Ckt | • |
|-------|---|-------------|------------------|-----------------------------|-------------|
| | Termination oint of termination -Wire | T6E2X | \$35.20 | (CR) 155.00 | (NR) 113.00 |
| - Fou | r-Wire | T6E4X | 59.75 | (CR) 155.00 | (NR) 113.00 |
| | ide Wire Charge er Channel Termination | WMJ | None | | None |

B. Channel Mileage

(AT)

| | | | monthiy | rates |
|----|---|----------------|------------------|-------------------------|
| | Mileage Bands CANCELLED | USOC | Fixed | Per Mile |
| | 0 . 4003 | 1L5XX | None | None |
| | Over 0 to 4 APR 11 1993/17 | 1L5XX | \$21.25 | \$5.40 |
| | 0 | 1 <u>L5</u> XX | 20.45 | 5.40 |
| | Over 4 to 8 Over 8 to 25 BY ## Commis | S IQ5XX | 20.50 | 5.40 |
| | Over 25 to 50 lic Service | 1L5XX | 21.65 | 5.40 |
| | Over 8 to 25 BY Wissibility Service Commission Over 50 Public Service Commission Over 50 Public Service Commission NISSIOURI | 1L5XX | 56.77 | 4.60 |
| | | usoc | Monthly Rates | Nonrecurring Charges |
| C. | Optional Features and Functions | | | |
| | Telegraph Bridging Two-Wire and Four-Wire Per port Two-Wire Four-Wire | BCNT2 BCNT4 | \$6.15 6.15 | None None |
| | - | | | |

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| ACCESS | SERVICES |
|--------|----------|
| | |

WMJ

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SPECIAL ACCESS SERVICE-(Continued)

- Per point of termination

1. Inside Vire Charge

SEP 25 1989

(FC) 7.4 Rates and Charges-(Continued)

MISSOURI

None

(F(') 7.4.2 Telegraph Grade Service

A. Channel Termination

- Two-Wire

- Four-Wire

Public Service Commission Monthly Nonrecurring **USOC** Charges Rates T6E2X (CR)\$35.20(CR)\$180.00 T6E4X (CR) 59.75 (CR) 180.00 - Per Channel Termination None

Channel Mileage

| | Month | ly Rates |
|-------------|--|--|
| USOC | Fixed | Per Mile CANCELLED |
| 1L5XX | None | None |
| 1L5XX | (CR)\$21.25 | \$5.40 SEP 3 0 1991 |
| 1L5XX | 20.45 | 5.40 2NR C +77 |
| 1L5XX | 20.50 | 5.46 Y 3 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |
| 1L5XX | (CR) 21.65 | Public Service Commission |
| 1L5XX | 56.77 | (CR) 4.60 MISSOURI |
| | Monthly | Nonrecurring |
| <u>USOC</u> | Rates | Charges |
| | 1L5XX 1L5XX 1L5XX 1L5XX 1L5XX 1L5XX | USOC Fixed 1L5XX None 1L5XX (CR)\$21.25 1L5XX 20.45 1L5XX 20.50 1L5XX (CR) 21.65 1L5XX 56.77 Monthly |

C. Optional Features and **Functions**

Telegraph Bridging Two-Wire and Four-Wire

- Per port - Two-Wire - Four-Wire

(CR)\$6.15 BCNT2 BCNT4 (CR) 6.15

None None

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Issued: SEP 2 5 1989

Effective:

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(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)
 - 7.5.2 Telegraph Grade Service

| and the same of th | |
|--|--|
| REGEOVED | |

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| | | usoc | Month 19ublic | |
|----|--|-------|---------------|---------|
| A. | Channel Termination | | | |
| | Per point of termination | | | |
| | - Two-Wire | T6E2X | \$21.18 | \$75.80 |
| | - Four-Wire | T6E4X | 35.46 | 75.80 |
| | Inside Wire Charge | | | |
| | - Per Channel Termination | LMW | None | None |

Channel Mileage

| Mileage Bands | usoc | Fixed | Per Mile |
|---------------|-------|---------|----------|
| 0 | 1L5XX | None | None |
| Over 0 to 4 | 1L5XX | \$14.47 | \$5.40 |
| Over 4 to 8 | 1L5XX | 14.47 | 5.40 |
| Over 8 to 25 | 1L5XX | 14.47 | 5.40 |
| Over 25 to 50 | 1L5XX | 14.47 | 5.40 |
| Over 50 | 1L5XX | 56.77 | 4.57 |
| | | | |

USOC Rates Charges Optional Features and Functions

Telegraph Bridging Two-Wire and Four-Wire

- Per port

- Two-Wire - Four-Wire BCNT2 BCNT4 Testolic Service Commission

Monthly

5.00

Monthly Rates

None

Nonrecurring

HHL 1 1986

86-84 Public Service Commission

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Effective: JUL 1 1986

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ACCESS SERVICES

DEC 29 1003

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service (Continu
 - Public Service Commission

- 7.2.1 Analog Services-(Continued)
- C. Program Audio Services-(Continued)
 - Program Audio 2 (AP2) Special Access Service-(Continued)
 - d. Transmission Performance-(Continued)
 - Gain/Frequency Distortion

Over the frequency band from 100 to 5,000 Hz, the gain at any frequency will be 1.0 dB of the gain at 1004 Hz.

- Signal-to-Idle Circuit Noise

The ratio of received 1004 Hz signal power to 15 KHz flat weighted idle circuit noise will be at least 64 dB. The received signal power level is determined by subtracting the channel AML from +18 dBm (the instantaneous peak signal level).

Available Facility Interface Combinations

| <u>IC</u> | End User | <u> </u> | End User |
|-------------|-----------------|-----------------|----------|
| 2PG2-5 | 2PG2-5 | 2PG2-5 | 2PG1-5 |
| 4DS9-15F(1) | 2PG2-5 | 4D\$9-15F(d) | 2PG1-5 |
| 4AH5-B(2) | 2PG2 🔞 🔊 🕥 | ALE BEALST BIED | 2PG1-5 |
| 4AH6-C(2) | 2PG2 19 (5) 180 | 4AF6-C(2) | 2PG1-5 |
| 4AH6-D(2) | 2 PG2- 5 | 4AH6-D(2) | 2PG1-5 |

PUBLIC SERVICE COMMISSION

(1) Available only to IC's selecting the multiplexed four-wire DSX facility interface option at the IC terminal location and providing subsequent system and channel assignment data.

(2) Available only to the IC's selecting the multiplexed four-wire High, -Capacity analog facility interface option at the IC terminal location and providing subsequent system and channel assignment data. Change 19 - 253 5 and 6 are assigned for AP2.

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ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
 - 7.4 Rates and Charges-(Continued)
 - 7.4.3 Voice Grade(1) Service

(CP)

| A. Channel Termination | <u>USOC</u> | Monthly <u>Rates</u> | Nonred <u>Cha</u> 1st Ckt | curring arges Addl. C | <u>kt</u> |
|---|-------------------------|--------------------------|---------------------------------|-----------------------------|-----------|
| - Per point of termination - Two-Wire - Four-Wire - Digital WATS Access Line (WAL)*(1) | T6E2X T6E4X T6EDX | \$27.75 63.75 5.95 | \$153.00 175.00 134.00 | | |
| | | | Nonred Charg | _ | _ |
| Non-jointly provided WATS Access Line (WAL)(1) two-wire Non-jointly provided WATS | X2H | 41.25 | | 75.00 | (CP) |
| Access Line (WAL)(1) four-wire | X4H | 65.75 | | 75.00 | (CP) |
| Inside Wire Charge Per Channel Termination | WMJ | None | | None | |

B. Channel Mileage

| | | Monthly | y Rates |
|---------------|-------------|--------------|----------|
| Mileage Bands | <u>USOC</u> | <u>Fixed</u> | Per Mile |
| 0 | 1L5XX | None | None |
| Over 0 to 4 | 1L5XX | \$20.00 | \$5.30 |
| Over 4 to 8 | 1L5XX | 19.50 | 5.30 |
| Over 8 to 25 | 1L5XX | 19.00 | 5.30 |
| Over 25 to 50 | 1L5XX | 18.75 | 5.30 |
| Over 50 | 1L5XX | 55.75 | 4.49 |
| | | | |

^{*}Additive applicable in conjunction with customer ordered Digital High Capacity facility in Paragraph 7.4.7.

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

7.4.3 Voice Grade Service

| A. Channel Termination | <u>USOC</u> | Monthly <u>Rates</u> | Nonrecurring <u>Charges</u> 1st Ckt Addl. Ckt |
|---|--|---|---|
| - Per point of termination - Two-Wire - Four-Wire - Digital WATS Access Line (WAL)* | T6E2X T6E4X T6EDX | (CR) \$27.75 (CR) 63.75 (CR) 5.95 | (CR)\$153.00 (CR)113.00 (CR) 175.00 (CR)129.00 (CR) 134.00 (CR) 95.00 |
| | | | Nonrecurring Charges |
| Non-jointly provided WATS Access Line (WAL) two-wire Non-jointly provided WATS Access Line (WAL) four-wire | X2H X4H | (CR) 41.25 (CR) 65.75 | (CR) 75.00 (CR) 75.00 |
| 1. Inside Wire Charge- Per Channel Termination | WMJ | None | None |
| B. Channel Mileage <u>Mileage Bands</u> | <u>USOC</u> | <u>Mon</u> <u>Fixed</u> | thly Rates Per Mile |
| 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 | 1L5XX 1L5XX 1L5XX 1L5XX 1L5XX 1L5XX | None (CR) \$20.00 19.50 19.00 18.75 (CR) 55.75 | None (CR) \$5.30 5.30 5.30 5.30 (CR) 4.49 |

^{*}Additive applicable in conjunction with customer ordered Digital High Capacity facility in Paragraph 7.4.7.

Issued: MAY 26, 2000 Effective: JUNE 25, 2000

By JAN NEWTON, President-Missouri Southwestern Bell Telephone Company St. Louis, Missouri

Access Services Tariff
Section 7
4th Revised Sheet 78
Replacing 3rd Revised Sheet 78

ACCESS SERVICES

RECEIVED

SPECIAL ACCESS SERVICE-(Continued)

AUG 9 1991

7.4 Rates and Charges-(Continued)

7.4.3 Voice Grade Service

MISSOURI
Public Service Commission

| / ATT \ | | | | | USOC | Monthly Rates | Ch | ecurring arges |
|---------|----|-------------------|---|----------------------|-------|------------------|---------------------|-------------------|
| (AT) | Α. | Channel Terminati | on | | | | 1st Ckt | Addl. Ckt |
| | | - Per point of te | rminat | ion | | | | |
| | | - Two-Wire | | | T6E2X | \$ 25.82 | (CR)\$142.00 | (NR)105.00 |
| | | - Four-Wire | | | T6E4X | 59.45 | (CR) 163.00 | (NR)120.00 |
| (MT) | | - Digital WATS Ac | cess | | | | | _ _ |
| | | Line (WAL)* | | | T6EDX | 5.55 | (CR) 125.00 | (NR) 88.00 |
| | | | | | | | Nonrecurr Charge | |
| | | - Non-jointly pro | | | | | - | |
| | | Access Line (WA | | | X2H | 38.47 | 69.82 | |
| • | | - Non-jointly pro | | | | | | |
| / Mm \ | | Access Line (WA | L) to | ır-wire | X4H | 61.22 | 69.82 | |
| (MT) | | | | | | | | |
| | | 1. Inside Wire C | | | | | | |
| | | - Per Channel | Term: | ination | VMJ | None | No | one |
| | В. | Channel Mileage | | u o | | | | |
| | | | | .58 | | Mor | thly Rates | |
| | | Mileage Bands | CANCELLED | 2000 78 ommission | USOC | Fixed | Per Mil | <u>e</u> |
| | | 0 | ======================================= | 2 \ 2 | 1L5XX | None | None | |
| | | Over 0 to 4 | ŢŲ | 2.5 € 5000 | 1L5XX | \$18.65 | 4.94 | |
| | | Over 4 to 8 | 2 | SS | 1L5XX | 18.30 | 4.94 | |
| | | Over 8 to 25 | A | ≥ ₹ 5≥ | 1L5XX | 17 .8 0 | 4.94 | |
| | | Over 25 to 50 | S | ي در د | 1L5XX | 17.45 | 4.94 | |
| | | Over 5 0 | | <u>유</u> 년 | 1L5XX | 51.96 | 4.18 | |
| | | | | | | | | |

*Additive applicable in conjunction with customer ordered Digital High Capacity facility in Paragraph 7.4.7.

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Effective: SEP 0 9 191

SEP 3 0 1991

Access Services Tariff Section 7 3rd Revised Sheet 78 Replacing 2nd Revised Sheet 78

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

SEP 25 1989

(F(:) 7.4 Rates and Charges-(Continued)

MESSOUR

(FC) 7.4.3 Voice Grade Service Public Service Commission

Nonrecurring

| | | USOC | Rates | Charges |
|----|--|-------|------------|---------------------------|
| Α. | Channel Termination | | | |
| | - Per point of termination | | | |
| | - Two-Wire | T6E2X | \$25.82 | (CR)\$165.00 |
| | - Four-Wire | T6E4X | (CR) 59.45 | (CR) 190.00 |
| | - Non-jointly provided WATS | | | |
| | Access Line (WAL) two-wire | X2H | 38.47 | 69.82 |
| | - Non-jointly provided WATS | | | |
| | Access Line (WAL) four-wire | X4H | 61.22 | 69.82 |
| | - Digital WATS Access | | •- | |
| | Line (WAL)* | T6EDX | (CR) 5.55 | (CR) 150.00 |
| | , | | (100) | (43.7) |
| | | | | CANCELLED |
| | | | | and the true fam Cont |
| | Inside Wire Charge | | | SEP 3 0 1991 |
| | - Per Channel Termination | WMJ | None | None 0 F |
| | | | | BY 4 R. S. 78 |
| В. | Channel Mileage | | | Public Service Commission |
| | • | | | Co. 1100 COMMINSSION |

Monthly

MISSOURI

Monthly Rates

| Mileage Bands | usoc | Fixed | PerMile |
|-----------------|---------------|------------|---------|
| 0 | 1L 5XX | None | None |
| Over 0 to 4 | 1L5XX (| CR)\$18.65 | 4.94 |
| Over 4 to 8 | 1L5XX | 18.30 | 4.94 |
| Over 8 to 25 | 1LSXX | 17.80 | 4.94 |
| Over 25 to 50 | 1L5XX (| CR) 17.45 | 4.94 |
| 0 ver 50 | 1L5XX | 51.96 | 4.18 |

* Additive applicable in conjunction with customer ordered Digital High Capacity facility in Section 7.4.7.

(F(') (RT)

(DR) (RT)

(RT)

FILED

Issued: GEP 2 5 1989 Effective: 00T 1

Access Services Tariff
Section 7
2nd Revised Sheet 78
Replacing 1st Revised Sheet 78

ACCESS SERVICES

USOC

| 7. | SPECIAL | ACCESS | SERVICE-(Continued) | į |
|----|---------|--------|---------------------|---|
|----|---------|--------|---------------------|---|

7.5 Rates and Charges-(Continued)

7.5.3 Voice Grade Service

| a int | RECEIVED |
|-----------------|----------|
| Non-United | RECEIVED |
| orial term swit | |

MISSOURI

Public Service Commission
Monthly Nonrecurring
Rates Charges

A. Channel Termination

| | | | | | Juli 19th |
|------|----|---|-------------|-----------------------|---------------------------------------|
| | | Per point of termination | | | 7. • |
| | | - Two-Wire | T6E2X | \$25.82 | \$78.05 |
| (MT) | | - Four-Wire | T6E4X | 42.14 | 78.05 |
| (CT) | | - Non-jointly provided WATS | сс У Х2Н | 00 1717 | , , , , , , , , , , , , , , , , , , , |
| | | | , X2H | 38.474/ | 69.82 |
| (CT) | | Non-jointly provided WATS | | i. | |
| | | Access Line (WAL) four-wire | X4H | 61.22 | 69.82 |
| (AT) | | - Digital WATS Access | | 0 | N_{ϵ} |
| | | Line (WAL)* | T6EDX | 125.14 / ^Y | 69.82 |
| (CT) | | - Jointly provided WATS | | | 69.82 |
| | | · - | DBX | 39.07 | 69.82 |
| | | Access Line (WAL)+ | | 7 - 1. | Jointly 800 |
| | 1. | Inside Wire Charge | | | 1000 |
| | | - Per Channel Termination | WMJ | / None -{ | cini erce None |

B. Channel Mileage

| | | | rionthry | Races |
|---------------|-----------------------------|------------------|--------------|----------|
| Mileage Bands | TIED | USOC | <u>Fixed</u> | Per Mile |
| 0 | CANCELLED | 1L5XX | None | None |
| Over 0 to 4 | Chin- | 1L5XX | \$13.23 | 4.94 |
| Over 4 to 8 | or 1 1905 | 1L5XX | 13.24 | 4.94 |
| Over 8 to 25 | 00 sh c-# 10 | 1 <u>1,5</u> XX | 13.24 | 4.94 |
| Over 25 to 50 | 7. X. 2000ini | \$ } £5XX | 13.23 | 4.94 |
| Over 50 | By Phice Colin | 1L5XX | 51.96 | 4.18 |
| FI | BY Service Comming MISSOURI | | | |

(HT)

(AT) * Additive applicable in conjunction with customer ordered Digital High Capacity facility in Section 7.5.8.

(AT) + Additional charges are specified in the Telephone Company Wide Area Telecommunications Service Tariff.

Issued: OCT 1 4 1987

Effective: OCT 16 1987

1987 To &7-42— Public Service Commission

(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)

| 7.5.3 Voice Grade Service | | P | ublic Service Commission |
|--|-------|------------------|--------------------------|
| | usoc | Monthly Rates | Nonrecurring Charges |
| A. Channel Termination | | | |
| - Per point of termination | | • | |
| - Two-Wire | T6E2X | \$25.82 | \$78.05 |
| - Four-Wire | T6E4X | 42.14 | 78.05 |
| Inside Wire Charge | | | |
| - Per Channel Termination | WMJ | None | None |

B. Channel Mileage

| | | Monti | | _ |
|---------------|-------|--------------|----------------------------|----------|
| Mileage Bands | USOC | <u>Fixed</u> | Per Mile None CANCELLES | ט |
| 0 | 1L5XX | None | None CANUL | ! |
| Over 0 to 4 | 1L5XX | \$13.23 | \$4.94 | |
| Over 4 to 8 | 1L5XX | 13.24 | \$4.94 OCT 16 1987 | #15 |
| Over 8 to 25 | 1L5XX | 13.24 | 4.94 | -amissi? |
| Over 25 to 50 | 1L5XX | 13.23 | 4.94 4.94 BYONGE CO | 1 M19 |
| Over 50 | 1L5XX | 51.96 | 4.94 4.94 BYOMESOU | F() |
| | Mo | nthly | Nonrecurring | |

Rates

- Optional Features and Functions
 - 1. Bridging
 - a. Voice Bridging

Two-Wire/Four-Wire - Per port - Two-Wire BCNV2 \$4.92 4.92 - Four-Wire BCNV4

USOC

1986 86-84 Pulmi Serace Commission

Charges

Access Services Tariff

Replacing Original-Sheet 78

1st Revised Sheet 78

MISSUMPI

Section 7

Issued: JUN 27 1986

Effective: JUL

Access Services Tariff Section 7 Original Sheet 78

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

DEC 20 1283

- 7.2 Technical Service Descriptions for Special Access Service-(Continued) Public Service Commission
- 7.2.1 Analog Services-(Continued)
- Program Audio Services-(Continued)
 - Program Audio 3 (AP3) Special Access Service
 - Description

Special Access Service AP3 provides a channel with a nominal bandwidth from 50 to 8,000 Hz for the transmission of a complex signal voltage, such as speech or music, between an IC terminal location and an End User's premises. Only one-way transmission is provided.

b. Illustrative Application

Special Access Service AP3 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as:

- Wired Music
- Optional Features
 - Gain Conditioning control of 1004 Hz AML at initiation of service to 0 dB + 0.5 dB.
 - Central office bridging capability (wired music).

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JUL 1 1986

PUBLIC SERVICE COMMISSION

OF MISSOURI

Issued: DEC 29 1983

Effective: JAN 0 1 1984

Section 7 6th Revised Sheet 78.1 Replacing 5th Revised Sheet 78.1

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ACCESS SERVICES

Monthly

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rates and Charges-(Continued)

7.4.3 Voice Grade Service(1)-(Continued)

(CP)

| | USOC | _Rates _ | Ch | narges |
|--|------|----------|---------|-----------|
| | | | 1st Ckt | Addl. Ckt |
| C. Analog Service to Service Through Connect Arrangement | | | | |
| Multiplexed Arrangement (Derived from a DS1 multiplexer) | THK | 8.05 | 98.00 | 87.00 |
| D. Ontional Footures, BCFs | | | | |

D. Optional Features, BSEs and Functions

> Nonrecurring Charges

Nonrecurring

- Bridging
 - a. Voice Bridging

Two-Wire/Four-Wire

- Per port
- Two-Wire BCNV2 \$5.30 None Four-Wire BCNV4 5.30 None

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(AT)

(AT)

Effective: June 30, 2021

Access Services Tariff
Section 7
5th Revised Sheet 78.01
Replacing 4th Revised Sheet 78.01

Nonrecurring Charges

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
 - 7.4 Rates and Charges-(Continued)
 - 7.4.3 Voice Grade Service-(Continued)

| | <u>USOC</u> | Monthly <u>Rates</u> | Nonred Cha 1st Ckt | curring arges Addl. Ckt |
|--|-------------|----------------------|--------------------------|-------------------------|
| C. Analog Service to Service Through Connect Arrangement | | | | |
| Multiplexed Arrangement (Derived from a DS1 multiplexer) | THK | (CR) 8.05 | (CR) 98.00 | (CR) 87.00 |
| D. Optional Features, BSEs and Functions | | | | |

- 1. Bridging
 - a. Voice Bridging

Two-Wire/Four-Wire

- Per port

- Two-Wire BCNV2 (CR) \$5.30 None - Four-Wire BCNV4 (CR) 5.30 None

Issued: MAY 26, 2000 Effective: JUNE 25, 2000

Access Services Tariff Section 7

4th Revised Sheet 78.01

Replacing 3rd Revised Sheet 78.01

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

MAR 29 1993

7.4 Rates and Charges-(Continued)

MISSOURI Public Service Commission

7.4.3 Voice Grade Service-(Continued)

| | | USOC | Monthly Rates | Nonrecurring Charges | | |
|----|--|------|------------------|-------------------------|-----------|--|
| | | | | 1st Ckt | Addl. Ckt | |
| C. | Analog Service to Service Through Connect Arrangement | | | | | |
| | Multiplexed Arrangement (Derived from a DS1 multiplexer) | THK | 7.50 | 91.00 | 81.00 | |
| D. | Optional Features, BSEs | | | | | |

(AT) and Functions

> Nonrecurring Charges

- Bridging
 - Voice Bridging

Two-Wire/Four-Wire

- Per port

- Two-Wire - Four-Wire BCNV2 BCNV4 \$4.92 4.92 None None

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JUN 2 5 2000 5+2 R5 78.01 Public Service Commission MISSOURI

Issued: MAR 2 & 1993

Effective:

APR 1 L 1993

By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

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Access Services Tariff Section 7 3rd Revised Sheet 78.01 Replacing 2nd Revised Sheet 78.01

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

AUG 9 1991

7.4 Rates and Charges-(Continued)

7.4.3 Voice Grade Service-(Continued)

MISSOURI **Public Service Commission**

Nonrecurring

USOC Rates Charges (AT) Addl. Ckt 1st Ckt C. Analog Service to Service Through Connect Arrangement

> Multiplexed Arrangement (Derived from a DS1 multiplexer)

THK

7.50

(CR) 91.00 (NR) 81.00

Optional Features and Functions

(AT) (AT) Nonrecurring Charges

1. Bridging

a. Voice Bridging

Two-Wire/Four-Wire

- Per port

- Two-Wire - Four-Wire BCNV2 BCNV4

\$4.92 4.92

Monthly

None

None

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<u>FILED</u>

Issued: WG 0 9 MA1

Effective: SEP 3 0 1991 SEP 3 0 1991

P.S.C. Mo.-No. 36

No supplement to this tariff will be issued except for the purpose of canceling this tariff.

Issued: FEB 2 2 1990

Access Services Tariff
Section 7
2nd Revised Sheet 78.01
Replacing 1st Revised Sheet 78.01

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

FEB 20 1990

7.4 Rates and Charges-(Continued)

MISSOURI

7.4.3 Voice Grade Service-(Continued)

Public Service Commission

| _ | | | usoc | Monthly Rates | Nonrecurring Charges |
|------|----|--|----------------|------------------|-------------------------|
| (AT) | c. | Analog Service to Service Through Connect Arrangement | | | |
| (TA) | | Multiplexed Arrangement (Derived from a DS1 multiplexer) | THK | (NR)7.50 | (NR)104.00 |
| (FC) | D. | Optional Features and Functions | | | |
| | | 1. Bridging | | | |
| | | a. Voice Bridging | | | |
| | | Two-Wire/Four-Wire - Per port - Two-Wire - Four-Wire | BCNV2 BCNV4 | \$4.92 4.92 | None None |

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SEP 3 0 1991
BY 3 K.S. 18.67
Public Service Commission
MISSOURI

Effective: MAR 2 6 1990

MAR 26 1990

Accèss Services Tariff Section 7 1st Revised Sheet 78.01 Replacing Original Sheet 78.01

ACCESS SERVICES

USOC

| 7. | SPECIAL | ACCESS | SERVICE-(Continued) |
|----|---------|--------|---------------------|
|----|---------|--------|---------------------|

RECEIVED

7.4 Rates and Charges-(Continued)

SEP 25 1989

(FC) 7.4.3 Voice Grade Service-(Continued)

所になのは質問 Public Sarvice Commission

Monthly Nonrecurring Rates Charges

C. Optional Features and Functions

> Bridging 1.

> > a. Voice Bridging

Two-Wire/Four-Wire

- Per port

- Tvo-Wire - Four-Wire BCNV2 BCNV4

\$4.92 4.92 None None

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MAR 26 1990 BYOZING R.S.# Public Service Commission

MISSOURI

<u>FII ED</u>

Access Services Tariff
Section 7
Original Sheet 78.01

ACCESS SERVICES

USOC

SPECIAL ACCESS SERVICE-(Continued)

7.5 Rates and Charges-(Continued)

7.5.3 Voice Grade Service-(Continued)

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MISSOURI
Public Service Commission

Monthly Nonrecurring
Rates Charges

C. Optional Features and Functions

Bridging

(MT)

a. Voice Bridging

Two-Wire/Four-Wire
- Per port
- Two-Wire
- Four-Wire

BCNV2 \$4.92 BCNV4 4.92 None None

OCT 1 1989

OCT 1 1989

BY MRS # 18.01

Public Service Commission

MISSOURI

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OCT 16 1987

Public Service Commission

Issued: OCT 1 4 1987

Effective: OCT 16 1987

Section 7 6th Revised Sheet 79 Replacing 5th Revised Sheet 79

7. 7

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rates and Charges-(Continued)

7.4.3 Voice Grade(1) Service-(Continued)

(CP)

| | Monthly | Nonrecurring |
|-------------|---------|----------------|
| <u>USOC</u> | _Rates_ | <u>Charges</u> |

- D. Optional Features, BSEs and Functions-(Continued)
 - 1. Bridging-(Continued)
 - b. Data Bridging

Two-Wire/Four-Wire

- Per port
- Two-Wire

- Four-Wire

BCND2 BCND4 \$ 5.30 5.30 None None

(RT)

(RT)

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(AT)

(AT)

Access Services Tariff Section 7 5th Revised Sheet 79 Replacing 4th Revised Sheet 79

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
 - 7.4 Rates and Charges-(Continued)
 - 7.4.3 Voice Grade Service-(Continued)

| | <u>USOC</u> | Monthly Rates | Nonrecurring Charges |
|--|----------------|-----------------------------------|----------------------|
| D. Optional Features, BSEs and Functions-(Continued) | | | |
| 1. Bridging-(Continued) | | | |
| b. Data Bridging | | | |
| Two-Wire/Four-Wire - Per port - Two-Wire - Four-Wire | BCND2 BCND4 | (CR) \$ 5.30 (CR) 5.30 | None None |
| c. DATAPHONE Select-A- Station Bridging | | | |
| Sequential Arrangement Ports | | | |
| Per two-wire channel connectedPer four-wire channel | DQ2 | (CR) 6.70 | None |
| connected | DQ4 | (CR) 45.75 | None |

Issued: MAY 26, 2000

Effective: **JUNE 25, 2000**

Access Services Tariff Section 7 4th Revised Sheet 79 Replacing 3rd Revised Sheet 79

ACCESS SERVICES

| SPECIAL ACCESS SERVICE-(Continued) | 7. | SPECIAL | ACCESS | SERVICE- | (Continued) |
|--|----|---------|--------|----------|-------------|
|--|----|---------|--------|----------|-------------|

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7.4 Rates and Charges-(Continued)

MAR 29 1993

ion

| | 7.4 | .3 Voice Grade Service-(Continu | ıed) | | MISSOURI Sarvice Commical |
|------|-----|--|----------------|-------------------------|------------------------------|
| | | | usoc | Monthly <u>Rates</u> | Nonrecurring Charges |
| (AT) | D. | Optional Features, BSEs and Functions-(Continued) | | | |
| | | Bridging-(Continued) | | | |
| | | b. Data Bridging | | | |
| | | Two-Wire/Four-Wire - Per port - Two-Wire - Four-Wire | BCND2 BCND4 | \$ 4.92 4.92 | None None |
| | | c. DATAPHONE Select-A- Station Bridging | | | |
| | | Sequential Arrange- ment Ports | | | |
| | | Per two-wire channel connectedPer four-wire channel | DQ2 | 6.26 | None |
| | | connected | DQ4 | 42.66 | None |

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JUN 25 2000 By 5th RS 79 **Public Service Commission** MISSOURI

Issued: MAR 9 6 1993

Effective:

APR 1 1 1993

Access Services Tariff Section 7 3rd Revised Sheet 79 Replacing 2nd Revised Sheet 79

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

FEB 20 1990

7.4 Rates and Charges-(Continued)

7.4.3 Voice Grade Service-(Continued)

MISSOURI Public Service Commission

| • | | | usoc | Monthly Rates | Nonrecurring Charges |
|--------|----|---|----------------|------------------|-------------------------|
| (FC) D | | tional Features an d nctions-(Continued) | | | |
| | 1. | Bridging-(Continued) | | | |
| | | b. Data Bridging | | | |
| | | Two-Wire/Four-Wire - Per port - Two-Wire - Four-Wire c. DATAPHONE Select-A-Station Bridging | BCND2 BCND4 | \$ 4.92 4.92 | None None |
| | | Sequential Arrange- ment Ports | | | |
| | | Per two-wire channel connected Per four-wire channel | DQ2 | 6.26 | None |
| | | connected | DQ4 | 42.66 | None |

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APR 11 1993 #79 BY 44 R.S. #79 Public Service Commission

MISSOURI

Issued: FEB 2 2 1990

Effective: MAR 2 6 1990

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ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

SEP 25 1989

(FC) 7.4 Rates and Charges-(Continued)

(FC) 7.4.3 Voice Grade Service-(Continued)

MESSOUTH Public Service Commission

| | | | usoc | Monthly Rates | Nonrecurring Charges |
|----|----|--|----------------|------------------|-------------------------|
| c. | _ | cional Features and actions-(Continued) | | | |
| | 1. | Bridging-(Continued) | | | |
| | | b. Data Bridging | • | | |
| | | Two-Wire/Four-Wire - Per port - Two-Wire - Four-Wire | BCND2 BCND4 | \$ 4.92 4.92 | None None |
| | | c. DATAPHONE Select-A- Station Bridging | , | | |
| | | Sequential Arrange- ment Ports | | | |
| | | Per two-wire channel connectedPer four-wire channel | DQ2 | 6.26 | None |
| | | connected | DQ4 | 42.66 | None |

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Public Service Commission Missouri

FILED

SEP 2 5 1989 Issued:

Effective:

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1989 CT 1 1989 8 9 - 1 4

Access Services Tariff Section 7 Ist Revised Sheet 79 Replacing Original Sheet 79

(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.5 Rates and Charges-(Continued)
 - 7.5.3 Voice Grade Service-(Continued)

JUN 27 1986

MISSUURI **Public Service Commission**

| | | | | USOC | Monthly Rates | Nonrecurring Charges |
|----|----|-----|--|----------------|------------------|-------------------------|
| C. | - | | <pre>1 Features and ns-(Continued)</pre> | | | |
| | 1. | Bri | dging-(Continued) | | | |
| | | b. | Data Bridging | | | |
| | | c. | Two-Wire/Four-Wire - Per port - Two-Wire - Four-Wire DATAPHONE Select-A- Station Bridging | BCND2 BCND4 | \$ 4.92 4.92 | None None |
| | | | Sequential Arrange- ment Ports | | | |
| | | | Per two-wire channel connectedPer four-wire channel | DQ2 | 6.26 | None |
| | | | connected | DQ4 | 42.66 | None |

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班1 1986

86-84
Public Service Commission

Issued: JUN 27 1986 Effective: JUL 1 1986

Access Services Tariff No O Section 7 Original Sheet 79

ACCESS SERVICES

DEC 201073

SPECIAL ACCESS SERVICE-(Continued)

- 7.2 Technical Service Descriptions for Special Access Service (Continued)
- 7.2.1 Analog Services-(Continued)
- C. Program Audio Services-(Continued)
 - Program Audio 3 (AP3) Special Access Service-(Continued)
 - Transmission Performance-(Continued)
 - Actual Measured Loss (AML)

When the service is initiated, the 1004 Hz AML will be less than 32 dB. With the addition of optional gain conditioning, the initial AML will be 0 + 0.5 dB. Remedial action will be taken when the loss variation at 1004 Hz exceeds the initial AML by \pm 4.0 dB.

- Gain/Frequency Distortion

Over the frequency band from 50 to 8,000 Hz, the gain at any frequency will be within 1 dB of the gain at 1004 Hz.

- Signal-to-Idle Circuit Noise

The ratio of received 1004 Hz signal power to 15 kHz flat weighted idle circuit noise will be at least 62 dB. The received signal power level is determined by subtracting the channel AML from +18 dBm (the instantaneous peak signal level).

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.101 1 1986

PUBLIC SERVICE COMMISSION

OF MISSOURI

Issued: DEC 2 9 1983 Effective:

JAN 0 1 1984

CANCELLED - Missouri Public Service Commission - 05/01/2024 - TN-2024-0278 - JI-2024-0140

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rates and Charges-(Continued)

7.4.3 Voice Grade(1) Service-(Continued)

(CP)

| | Monthly | Nonrecurring |
|-------------|---------|--------------|
| <u>USOC</u> | _Rates_ | Charges |

- D. Optional Features, BSEs and Functions-(Continued)
 - 1. Bridging-(Continued)

(RT)

d. Telemetry and Alarm Bridging

Active Bridging Channel Connections

Split Band

- Per channel connected

CNLRX 2.10 None

Summation

- Per channel connected

BCNSA 3.19 None

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(AT)

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ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rates and Charges-(Continued)
- 7.4.3 Voice Grade Service-(Continued)

| | <u>USOC</u> | Monthly Rates | Nonrecurring Charges |
|--|-------------|---------------|----------------------|
| D. Optional Features, BSEs and Functions-(Continued) | | | |
| 1. Bridging-(Continued) | | | |
| c. DATAPHONE Select-A- Station Bridging- (Continued) | | | |
| Addressable Arrangement Ports | | | |
| - Per two-wire channel connected | KQ2 | (CR) \$ 6.70 | None |
| - Per four-wire channel connected | KQ4 | (CR) 45.75 | None |
| d. Telemetry and Alarm Bridging | | | |
| Active Bridging Channel Connections | | | |
| Split Band | | | |
| - Per channel connected | CNLRX | (CR) 2.10 | None |
| Summation | | | |
| - Per channel connected | BCNSA | (CR) 3.19 | None |

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

7.4.3 Voice Grade Service-(Continued)

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Wonthly USOC Rates

Nonrecurring Charges

(AT) D. Optional Features, BSEs and Functions-(Continued)

Bridging-(Continued)

CANCELLED

c. DATAPHONE Select-AStation Bridging(Continued)

Addressable

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By 5 KS 80

Public Service Commission

Addressable Arrangement Ports

- Per two-wire channel connected KQ2 \$ 6.26 None

- Per four-wire channel connected KQ4 42.66 None

d. Telemetry and Alarm Bridging

Active Bridging Channel Connections

Split Band

- Per channel connected CNLRX 1.95 None

Summation

- Per channel connected BCNSA 2.97 None

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ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

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7.4 Rates and Charges-(Continued)

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7.4.3 Voice Grade Service-(Continued)

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| | | | | usoc | Monthly Rates | Nonrecurring Charges |
|------|----|---------|---|-------|---------------------------------------|--|
| (FC) | D. | | l Features and ns-(Continued) | | CANC | ELLED |
| | | 1. Brie | dging-(Continued) | | • • • • • • • • • • • • • • • • • • • | 1 1993 |
| | | c. | DATAPHONE Select-A- Station Bridging- (Continued) | | BY £2 | ELLED 1 1993 MR. S ICE Commission SSOUHI |
| | | | Addressable Arrangement Ports | | V. C. Wir | .,- |
| | | | - Per two-wire channel connected | KQ2 | \$ 6.26 | None |
| | | | - Per four-wire channel connected | KQ4 | 42.66 | None |
| | | d. | Telemetry and Alarm Bridging | | | |
| | | | Active Bridging Channel Connections | | | |
| | | | Spalit Band | | | |
| | | | - Per channel connected | CNLRX | 1.95 | None |
| | | | Summmation | | | |
| • | | | - Per channel connected | BCNSA | 2.97 | None |
| _ | | | | | | |

Issued: FEB 2 2 1990

Effective: MAR 2 6 1990

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ACCESS SERVICES

| 7. | SPECIAL | ACCESS | SERVICE- | (Continued) |
|----|---------|--------|----------|-------------|
|----|---------|--------|----------|-------------|

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(FC) 7.4 Rates and Charges-(Continued)

SEP 25 1989

(F(:) 7.4.3 Voice Grade Service-(Continued)

Public Service Commission

ALECCUS! Monthly Nonrecurring USOC Rates Charges C. Optional Features and Functions-(Continued) Bridging-(Continued) c. DATAPHONE Select-A-Station Bridging-(Continued) Addressable Arrangement Ports - Per two-wire channel KQ2 \$ 6.26 connected None - Per four-wire channel 42.66 connected KQ4 None CANCELLED d. Telemetry and Alarm Bridging Active Bridging Channel Connections Public Service Commission Split Band MISSOURI - Per channel connected CNLRX (CR)1.95 None Summation

Issued: SEP 2 5 1989

- Per channel connected

Effective: OCT 1

2.97

BCNSA

None

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Public Service Commission

(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)
 - 7.5.3 Voice Grade Service-(Continued)

| | | | | | 1,00 | MO OCIAICE DOMINIOS |
|----|----|-----|---|------|------------------------|--|
| | | | | usoc | Monthly Rates | Nonrecurring Charges |
| c. | | | 1 Features and ons-(Continued) | | | |
| | 1. | Bri | dging-(Continued) | | 21 | ELLED |
| | | c. | DATAPHONE Select-A- Station Bridging- (Continued) | | CANC | ELLED 1 1989 S. H.S. H.S. Ice Commission SSOURI |
| | | | Addressable Arrangement Ports | | BY Ø BY ØServ Mi | SSOURI SSOURI |
| | | | - Per two-wire channel connected | KQ2 | \$ 6.26 | None |
| | | | - Per four-wire channel connected | KQ4 | 42.66 | None |
| | | ď. | Telemetry and Alarm Bridging | | | |
| | | | Active Bridging Channel Connections | | | |
| | | | Split Band | | | |

Split Band

- Per channel connected

CNLRX

1.05

None

Summation

- Per channel connected

BCNSA

2.97

None 1) 1986

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Public Service Commission

Issued: JUN 27 1986

Effective: JUL

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service-(Continued) 2 1 (13)
 - 7.2.1 Analog Services-(Continued)
 - C. Program Audio Services-(Continued)
 - 3. Program Audio 3 (AP3) Special Access Service-(Continued)
 - e. Available Facility Interface Combinations

| <u> </u> | End User | IC | End User |
|-------------|----------|-------------|----------|
| 2PG2-8 | 2PG2-8 | 2PG2-8 | 2PG1-8 |
| 4DS9-15G(1) | 2PG2-8 | 4DS9-15G(1) | 2PG1-8 |
| 4AH5-B(2) | 2PG2-8 | 4AH5-B(2) | 2PG1-8 |
| 4AH6-C(2) | 2PG2-8 | 4AH6-C(2) | 2PG1-8 |
| 4AH6-D(2) | 2PG2-8 | 4AH6-D(2) | 2PG1-8 |

- 4. Program Audio 4 (AP4) Special Access Service
 - a. Description

Special Access Service AP4 provides a channel with a nominal bandwidth from 50 to 15,000 Hz for the transmission of a complex signal voltage, such as speech or music, between an IC terminal location and an End User's premises. Only one-way transmission is provided.

b. Illustrative Application

Special Access Service AP4 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as:

- Wired Music

JUL 1 1986

(1) Available only to IC's selecting the Land Four-wire DSX facility interface option at the IC terminal location and providing subsequent system and channel assignment data.

(2) Available only to the IC's selecting the multiplexed four-wire High Capacity analog facility interface option at the IC terminal location 253 and providing subsequent system and channel assignment data. Channels 5, 6 and 7 are assigned for AP3.

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P.S.C. Mo. - No. 36 **ACCESS SERVICES TARIFF**

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ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rates and Charges-(Continued)

7.4.3 Voice Grade(2) Service-(Continued)

(CP)

| | <u>USOC</u> | Monthly <u>Rates</u> | Nonrecurring Charges | |
|--|-------------|-------------------------|-------------------------|------|
| D. Optional Features, BSEs and Functions-(Continued) | | | | |
| 1. Bridging-(Continued) | | | | |
| d. Telemetry and Alarm Bridging-(Continued) | | | | |
| Passive Bridging Channel Connections | | | | |
| - Per channel connected | BCNTP | \$.83 | None | |
| 2. Conditioning | | | | |
| - Per point of termination | | | | |
| C-Type(1) C-Conditioning | X1CPT | 42.25 .27 | None None | |
| Sealing Current | | | | |
| - Per point of termination | 1HBPT | None | None | |
| Improved Attenuation Distortion (IAD) | | | | |
| Per WAL(2) point of terminationPer point of termination | ORA UHW | 6.90 .54 | 177.00 None | (CP) |

(1) This feature is obsolete, and limited to existing installations at existing locations, for existing customers.

(2) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. (AT) In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-tomonth basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (AT)

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Access Services Tariff
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6th Revised Sheet 81
Replacing 5th Revised Sheet 81

ACCESS SERVICES

| 7. | SPECIAL | ACCESS | SERVICE-(| Continued) |) |
|----|---------|--------|-----------|---------------|---|
| | | TOCESS | DELT TELL | Communication | , |

- 7.4 Rates and Charges-(Continued)
- 7.4.3 Voice Grade Service-(Continued)

| <u>Charges</u> | <u>USOC</u> | Monthly Rates | Nonrecurring |
|--|-------------|------------------------|--------------|
| D. Optional Features, BSEs and Functions-(Continued) | | | |
| 1. Bridging-(Continued) | | | |
| d. Telemetry and Alarm Bridging-(Continued) | | | |
| Passive Bridging Channel Connections | | | |
| - Per channel connected | BCNTP | (CR) \$.83 | None |
| 2. Conditioning | | | |
| - Per point of termination | | | |
| C-Type(1) C-Conditioning | X1CPT | (CR) 42.25 (CR) .27 | None None |
| Sealing Current | | | |
| - Per point of termination | 1HBPT | None | None |
| 3. Improved Attenuation Distortion (IAD) | | | |
| - Per WAL point of termination | ORA | (CR) 6.90 | (CR) 177.00 |
| - Per point of termination | UHW | (CR) .54 | None |

(1) This feature is obsolete, and limited to existing installations at existing locations, for existing customers.

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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7.4 Rates and Charges-(Continued)

MAR 29 1993

7.4.3 Voice Grade Service-(Continued)

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Public Service Commission

| | | | | t aniic of | alaida mathunasiat |
|--------|--------------|--|-------|--|--------------------------------------|
| | | | usoc | Monthly Rates | Nonrecurring Charges |
| (AT) I | • | nal Features, BSEs unctions-(Continued) | | CANCE | LLED |
| | 1. Br: d. | idging-(Continued) Telemetry and Alarm Bridging-(Continued) Passive Bridging Channel Connections | | JUN 2: By Good Public Service MISSO | 5 2000 5 8/ Commission JURI |
| | | - Per channel connected | BCNTP | \$.77 | None |
| | 2. C | onditioning | | | |
| | - | Per point of termination | | | |
| | | C-Type(1) C-Conditioning | X1CPT | 39.30 .25 | None None |
| | | Sealing Current | | | |
| | - | Per point of termination | 1HBPT | None | None |
| | | mproved Attenuation istortion (IAD) | | | |
| | | Per WAL point of termination Per point of | ORA | 6.45 | 165.00 |
| | _ | termination | UHW | .50 | None |

(1) This feature is obsolete, and limited to existing installations at existing locations, for existing customers.

Issued: MAR 2 6 1993

Effective:

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ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

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7.4 Rates and Charges-(Continued)

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7.4.3 Voice Grade Service-(Continued)

MISSOURI
Public Service Commission

| • | | | <u>usoc</u> | Monthly Rates | Nonrecurring Charges |
|--------------|------|---|-------------|------------------|-------------------------------------|
| (FC) | | onal Features and tions-(Continued) | | | |
| | 1. B | ridging-(Continued) | | | CANCELLED |
| | d | . Telemetry and Alarm Bridging-(Continued) | | | APR 11 1993 BY 5 TR. S. 8/ |
| | | Passive Bridging Channel Connections | | Pu | blic Service Commission MISSOURI |
| | | - Per channel connected | BCNTP | \$.77 | None |
| | 2. | Conditioning | | | |
| | | - Per point of termination | | | |
| (TA) (TA) | | C-Type(1) C-Conditioning | X1CPT (N | 39.30 TR) .25 | None None |
| | | Sealing Current | | | |
| | | - Per point of termination | 1HBPT | None | None |
| (AT) | | Improved Attenuation Distortion (IAD) | | | |
| (AT) | | Per VAL point of terminationPer point of | ORA | 6.45 | 165.00 |
| (al) | | termination | UHV (N | IR) .50 | None |

(1) This feature is obsolete, and limited to existing installations at existing locations, for existing customers.

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Effective: MAR 2 6 1990

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SPECIAL ACCESS SERVICE-(Continued)

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(FC) 7.4 Rates and Charges-(Continued)

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(FC) 7.4.3 Voice Grade Service-(Continued)

MISSOURI Public Service Commission

Monthly Nonrecurring USOC Rates Charges

C. Optional Features and Functions-(Continued)

Bridging-(Continued)

CANCELLED

Telemetry and Alarm Bridging-(Continued)

> Passive Bridging Channel Connections

MAR 26 1990 BY 45 R.S. # 81 Public Service Commission MISSOURI

- Per channel connected

BCNTP .77 None

2. Conditioning

- Per point of termination

C-Type

X1CPT

(CR)39.30

None

Sealing Current

- Per point of termination 1HBPT

None

None

Improved Attenuation

Distortion

- Per WAL point of termination

ORA

(CR) 6.45

(CR)165.00

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ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

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7.5 Rates and Charges-(Continued)

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7.5.3 Voice Grade Service-(Continued)

MISSOURI
Public Service Commission

Monthly Nonrecurring USOC Rates Charges Optional Features and Functions-(Continued) CANCELLED Bridging-(Continued) Telemetry and Alarm Bridging-(Continued) Public Service Commission Passive Bridging Channel Connections MISSOURI - Per channel connected BCNTP \$.77 None Conditioning - Per point of termination X1CPT 4.04 C-Type None Sealing Current - Per point of termination LHBPT None None Improved Attenuation Distortion - Per WAL point of termination ORA None None

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0CT 16 1987 70-87-43— Public Service Commission

Issued: OCT 14 1987

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(NR)

Effective: OCT 16 1987

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(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)
 - 7.5.3 Voice Grade Service-(Continued)

REGE JUN 27 1986 MISSUURI Public Service Commission Charges

USOC

Monthly Rates

Optional Features and Functions-(Continued)

- Bridging-(Continued)
 - Telemetry and Alarm Bridging-(Continued)

Passive Bridging Channel Connections

- Per channel connected

BCNTP

\$.77

CANCELLED OCT 16 1987. Public Service Commission

None

2. Conditioning

- Per point of termination

C-Type

XICPT

4.04

None

Sealing Current

- Per point of termination

1HBPT

None

None

1986 JUL 1 86-84 Public Service Commission

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Effective:

JUL 1 1986

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ACCESS SERVICES

DEC 28 (22)

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service (Continued) Commission:
 - 7.2.1 Analog Services-(Continued)
 - Program Audio Services-(Continued)
 - Program Audio 4 (AP4) Special Access Service-(Continued)
 - c. Optional Features
 - Gain Conditioning control of 1004 Hz AML at initiation of service to 0 dB + 0.5 dB.
 - Stereo provision of a pair of gain/phase equalized channels for stereo applications.
 - Central office bridging capability (wired music).
 - Transmission Performance
 - Actual Measured Loss (AML)

When the service is initiated, the 1004 Hz AML will be less than 32 dB. With the addition of optional gain conditioning, the initial AML will be 0 + 0.5 dB. Remedial action will be taken when the loss variation at 1004 Hz exceeds the initial AML by \pm 4.0 dB.

- Gain/Frequency Distortion

Over the frequency band from 50 to 15,000 Hz, the gain at any frequency will be within 1 dB of the gain at 1004 Hz.

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PUBLIC SERVICE COMMISSION OF MISSOURI

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Section 7 7th Revised Sheet 82 Replacing 6th Revised Sheet 82

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rates and Charges-(Continued)

Issued: May 28, 2021

| 7.4.3 Voice Grade(1) Service-(Continued)D. Optional Features, BSEs and Functions-(Continued) | <u>USOC</u> | Monthly <u>Rates</u> | Nonrecurring Charges | (CP) |
|--|-------------------|-------------------------|-------------------------|------|
| 4. Improved Return Loss - Per two-wire point of termination 5. Improved Termination | 1RL2W | \$5.40 | None | |
| 5. Improved TerminationPer four-wire point of termination6. Improved Echo Control | 1RI4W | 5.40 | None | |
| - Per Two-Wire WAL(1) | ORH | None | \$172.00 | (CP) |
| Echo Path Loss - Per Point of termination 8. Multiplexing | UHZ | None | None | |
| Voice to Telegraph Grade (43-Type C | arrier)(1) MQX | 52.20 | None | (CP) |
| 9. Data Capability- Per point of termination10. Improved Envelope Delay Distortion (| XDCPT | 7.25 | \$236.00 | |
| - per point of termination | UHY | 47.90 | None | |

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

Effective: June 30, 2021

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(AT)

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Replacing 5th Revised Sheet 82

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

| 7.4.3 Voice Grade Service-(Continued) | <u>USOC</u> | Monthly <u>Rates</u> | NonrecurringCharges |
|--|-------------|-------------------------|---------------------|
| D. Optional Features, BSEs and Functions-(Continued) | <u> </u> | <u>ruics</u> | |
| 4. Improved Return Loss | | | |
| - Per two-wire point of termination | 1RL2W | (CR) \$5.40 | None |
| 5. Improved Termination | | | |
| - Per four-wire point of termination | 1R14W | (CR) 5.40 | None |
| 6. Improved Echo Control | | | |
| - Per Two-Wire WAL point of termination | ORH | None | (CR)\$172.00 |
| 7. Improved equal Level Echo Path Loss | | | |
| - Per Point of termination | UHZ | None | None |
| 8. Multiplexing | | | |
| Voice to Telegraph Grade (43-Type Carrier) | | | |
| - Per arrangement | MQX | (CR)52.20 | None |
| 9. Data Capability | | | |
| - Per point of termination | XDCPT | (CR) 7.25 | (CR)\$236.00 |
| 10. Improved EnvelopeDelay Distortion (IEDD)per point of termination | UHY | (CR)47.90 | None |
| Issued: MAY 26, 2000 | | Effective: | JUNE 25, 2000 |
| , | | | • |

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Replacing 4th Revised Sheet 82

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

MAR 29 1993

7.4 Rates and Charges-(Continued)

MISSOURI Public Service Commission

7.4.3 Voice Grade Service-(Continued)

| | | | USOC | Monthly Rates | Nonrecurring Charges |
|----------------------|------------|--|-------|------------------|-------------------------|
| (AT) D. | | ional Features, BSEs Functions-(Continued) | | | |
| | 4. | Improved Return Loss | | | |
| | | - Per two-wire point of termination | 1RL2W | \$5.00 | None |
| | 5. | Improved Termination | | | |
| | | - Per four-wire point of termination | 1R14W | 5.00 | None |
| | 6. | Improved Echo Control | | | |
| _ | | - Per Two-Wire WAL point of termination | ORH | None | \$160.00 |
| uc | 7. | Improved equal Level Echo Path Loss | | | |
| 00 82 nmission | | - Per Point of termination | UHZ | None | None |
| 5 20 (S | <u>場</u> . | Multiplexing | | | |
| JUN 2 | MISS | Voice to Telegraph Grade (43-Type Carrier) | | | |
| - (3 Solidus | | - Per arrangement | жох | 48.55 | None |
| a. | 9. | Data Capability | | | |
| | | - Per point of termination | XDCPT | 6.75 | \$220.00 |
| | 10. | Improved Envelope Delay Distortion (IEDD) - per point of termination | ΠΠΑ | 45.55 | None |
| | | - per point or termination | UHY | 43.33 | None |

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APR 1 1 1993 APR 1 1 1993 92 - 3 0 4

By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

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7. SPECIAL ACCESS SERVICE-(Continued)

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7.4 Rates and Charges-(Continued)

MISSOURI

7.4.3 Voice Grade Service-(Continued)

Public Service Commission

| | | • | • | | |
|-------|---------|---|-------------|------------------|--|
| | | | <u>usoc</u> | Honthly Rates | Nonrecurring Charges |
| (FC) | | ional Features and ctions-(Continued) | | | |
| | 4. | Improved Return Loss | | | |
| (TA) | | - Per two-wire point of termination | 1RL2V | \$5.00 | None None |
| (CT) | 5. | Improved Termination | | | CANCELLED |
| (CT) | | - Per four-wire point of termination | 1R14W | 5.00 | APR 11 1993 BY None R S BY Storie Commission |
| FC) | 6. | Improved Echo Control | | | Public Service Commission MISSOURI |
| | | Per Two-Wire WAL point of termination | ORH | None | \$160.00 |
| (TA) | 7. | Improved equal Level Echo Path Loss | | | |
| (TA) | | - Per Point of termination | URZ | None | None |
| (FC) | 8. | Multiplexing | | | |
| | | Voice to Telegraph Grade (43-Type Carrier) | | | |
| | | - Per arrangement | MQX | 48.55 | None |
| (PC) | 9. | Data Capability | | | |
| | | - Per point of termination | XDCPT | 6.75 | \$220.00 |
| (AT) | 10. | Delay Distortion (IEDD) | | (1m) (5 EF | Non- |
| (TA) | | - per point of terminati | on UHY | (NR) 45.55 | None |
| ssued | : FEB 2 | 2 2 1990 | Bffective: | MAR 2 6 1990 | FILED |

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7. SPECIAL ACCESS SERVICE-(Continued)

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(FC) 7.4 Rates and Charges-(Continued)

(FC) 7.4.3 Voice Grade Service-(Continued)

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| | | | USOC | | nthly ates | | recurring Charges |
|----|----|---|----------------|------|---------------|------|----------------------|
| С. | | ional Features and ctions-(Continued) | | | | | |
| | 4. | Improved Return Loss | | | | | |
| | | - Per point of termi- nation | | | | | |
| | | - Two-Wire - Four-Wire | 1RL2W 1RL4W | \$ | 5.00 5.00 | | None None |
| | 5. | Improved Echo Control | | | | | |
| | | Per Two-Wire WAL point of termination | ORH | | None | (CR) | \$160.00 |
| | 6. | Multiplexing | | | | | |
| | | Voice to Telegraph Grade (43-Type Carrier) | | | | | |
| | | - Per arrangement | MQX | (CR) | 48.55 | | None |
| | 7. | Data Capability | | | | | |
| | | - Per point of termination | XDCPT | (CR) | 6.75 | (CR) | \$220.00 |

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7.5 Rates and Charges-(Continued)

MISSOURI

Public Service Commission

7.5.3 Voice Grade Service-(Continued)

| | | | | USOC | Monthly Rates | Nonrecurring Charges |
|--------------|----|----|---|---------------------------------|------------------|--|
| | C. | | onal Features and tions-(Continued) | | | |
| (FC) | | 4. | <pre>Improved Return Loss - Per point of termi- nation - Two-Wire</pre> | 1RL2 V | \$ 5.00 | None |
| | | | - Four-Wire | 1RL4W | 5.00 | None |
| (TA) | | 5. | Improved Echo Control | | | |
| (AT) (NR) | | | Per Two-Wire WAL point of termination | ORH | None | None |
| (FC) | | 6. | Multiplexing | | | |
| | | | Voice to Telegraph Grade (43-Type Carrier) | ! | | ` |
| | | | - Per arrangement | MQX | 77.94 | None |
| (FC) | | 7. | Data Capability | | | |
| | | | - Per point of termination | XDCPT | 5.90 | \$234.00 |
| | | | | ANCELLED 1989 00701 B.S.# | | |
| | | | | 1903 | 82 ion | FILED |
| | | | چىرى <u>ن</u> | OCTAL RS# | Hy Lumiss | 00T 16 1987 Tの名フーリン Public Service Commissio |
| | | | P | . la. | | |

Issued: OCT 1 4 1987.

Effective: OCT 16 1987.

Access Services Tariff Section 7 Ist Revised Sheet 82 Replacing Original Sheet 82

(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.5 Rates and Charges-(Continued)
 - 7.5.3 Voice Grade Service-(Continued)

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|------|------|

JUN 27 1986

Monthly Rates

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Optional Features and Functions-(Continued)

Improved Return Loss

- Per point of termination

- Two-Wire

- Four-Wire

1RL2W 1RL4W

USOC

\$ 5.00 5.00

Public Service Commission MISSOURI

None None

4. Multiplexing

Voice to Telegraph Grade (43-Type Carrier)

- Per arrangement

MQX

77.94

None

5. Data Capability

- Per point of termination

XDCPT

5.90

\$234.00

JUN 1 1986 86-84

Public Service Commission

JUN 27 1986 Issued:

Effective:

JUL

1 1986

Access Services Tariff
Section 7
Original Sheet 82

ACCESS SERVICES

DEC 20 1003

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Technical Service Descriptions for Special Access Services (Continued)
 - 7.2.1 Analog Services-(Continued)
 - C. Program Audio Services-(Continued)
 - 4. Program Audio 4 (AP4) Special Access Service-(Continued)
 - d. Transmission Performance-(Continued)
 - Signal-to-Idle Circuit Noise

The ratio of received 1004 Hz signal power to 15 kHz flat weighted idle circuit noise will be at least 67 dB. The received power is determined by subtracting the channel AML from +18 dBm (the instantaneous peak signal level).

e. Available Facility Interface Combinations

| <u>IC</u> | End User | <u>IC</u> | End User |
|-------------|----------|-------------|----------|
| 2PG2-1 | 2PG2-1 | 2PG2-1 | 2PG1-1 |
| 4DS9-15H(1) | 2PG2-1 | 4DS9-15H(1) | 2PG1-1 |

D. Reserved For Future Use

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83 - 253

(1) Available only to IC's selecting the multiplexed four-wire DSX facility of the interface option at the IC terminal location and providing subsequent system and channel assignment data.

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Effective:

JAN 0 1 1984

Southwestern Bell Telephone

Company d/b/a AT&T Missouri

Section 7 7th Revised Sheet 83 Replacing 6th Revised Sheet 83

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rates and Charges-(Continued)

7.4.3 Voice Grade(1) Service-(Continued)

(CP)

Monthly Nonrecurring
USOC Rates Charges

- D. Optional Features, BSEs and Functions-(Continued)
 - 11. Signaling Capability

 Per point of termination

XSS++

\$20.75

None

 In lieu of ++, substitute appropriate two digit code from following list to specify type of signaling.

AB

AC

CT

DX

DY

EA EB

EC

ΕX

GO

GS

LA LB

LC

LO

LR LS

RV SF

Issued: May 28, 2021

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(AT)

| (AT)

Access Services Tariff
Section 7
6th Revised Sheet 83
Replacing 5th Revised Sheet 83

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rates and Charges-(Continued)
- 7.4.3 Voice Grade Service-(Continued)

| | <u>USOC</u> | Monthly <u>Rates</u> | Nonrecurring Charges |
|--|-------------|----------------------|----------------------|
| D. Optional Features, BSEs and Functions-(Continued) | | | |
| 11. Signaling Capability | | | |
| - Per point of termination | XSS++ | (CR)\$20.75 | None |
| In lieu of ++, substitute appropriate two digit code from following list to specify type of signaling. | | | |
| AB AC CT DX DY EA EB EC EX GO GS LA LB LC LO LR LS | | | |
| RV SF | | | |

Issued: MAY 26, 2000 Effective: JUNE 25, 2000

Access Services Tariff
Section 7
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Replacing 4th Revised Sheet 83

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.4 Rates and Charges-(Continued)

MAR 29 1993

7.4.3 Voice Grade Service-(Continued)

MISSOURI Public Service Commission

Monthly Nonrecurring
USOC Rates Charges

(AT) D. Optional Features, BSEs and Functions-(Continued)

11. Signaling Capability

 Per point of termination

XSS++ \$19.32

None

- In lieu of ++, substitute appropriate two digit code from following list to specify type of signaling.

AB
AC
CT
DX
DY
EA
EB
EC
EX
GO
GS
LA
LB

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MISSOURI

RV SF

LC LO LR LS

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Effective:

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Access Services Tariff
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Replacing 3rd Revised Sheet 83

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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7.4 Rates and Charges-(Continued)

FEB 20 1990

7.4.3 Voice Grade Service-(Continued)

MISSOURI
Public Service Commission

| | | | USOC | Monthly <u>Rates</u> | Nonrecurring Charges |
|------|----|--|-------|--|-------------------------|
| (FC) | D. | Optional Features and Functions-(Continued) | | | |
| (FC) | | 11. Signaling Capability | | | |
| | | Per point of termination | XSS++ | \$19.32 | None |
| | | In lieu of ++, substitute appropriate two digit cod from following list to specify type of signaling | le | | |
| | | AB AC CT DX | | | |
| | | DY EA EB | | CANCEL APR 11 BY 5 77 Public Service MISSO | LED |
| | | EC EX | | ADR 11 | 1993 E |
| | | GO GS LA | | BY S本 | Commission |
| | | LB LC | | Public Service MISSC | JURI |
| | | LO LR LS | | | |
| | | RV SF | | | |

Issued: FEB 2 2 1990

Effective: MAR 2 6 1990

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Access Services Tariff Section 7 3rd Revised Sheet 83 Replacing 2nd Revised Sheet 83

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

SEP 25 1989

(F(:) 7.4 Rates and Charges-(Continued)

7.4.3 Voice Grade Service-(Continued)

MEECOUTI Public Service Commission

| | | USOC | Monthly Rates | Nonrecurring Charges |
|----|-----------------------|------|------------------|-------------------------|
| c. | Optional Features and | | | |

- Functions-(Continued)
- 8. Signaling Capability
 - Per point of termination

XSS++ \$19.32

None

- In lieu of ++, substitute appropriate two digit code from following list to specify type of signaling.

> AB AC CT DX DY EA EB EC EX G₀ GS LA LB LC LO LR LS

RV SF

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MAR 26 1990 BY 4th 15#83 Public Service Commission MISSOURI

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Effective: OCT 1

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Access Services Tariff Section 7 2nd Revised Sheet 83 Replacing 1st Revised Sheet 83

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.5 Rates and Charges-(Continued)

OCT 1 3 1987

7.5.3 Voice Grade Service-(Continued)

MISSOURI Public Service Commission

| | Monthly | Nonrecurring |
|------|---------|--------------|
| USOC | Rates | Charges |

C. Optional Features and Functions-(Continued)

(FC)

8. Signaling Capability

- Per point of termination

XSS++

\$19.32

None

- In lieu of ++, substitute appropriate two digit code from following list to specify type of signaling.

> AB AC CT DX DY EA EB EC EX GO GS LA LB LC LO LR LS

R۷ SF

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Public Service Commission

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Effective: OCT 16 1987,

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(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)
- 7.5.3 Voice Grade Service-(Continued)

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Rates

USOC

- C. Optional Features and Functions-(Continued)
 - 6. Signaling Capability
 - Per point of termination

XSS++

\$19.32

None

- In lieu of ++, substitute appropriate two digit code from following list to specify type of signaling.

AB AC CTDX DY EA EB EC EX GO GS LA LB LC LO LR LS R∇

SF

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OCT 16 1987

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Public Service Commission

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Effective:

JUL 1 1986

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| Section 7
| Original Sheet 83

DEC 20 1003

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

Public Service Commission ,

- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)
 - E. Wideband Analog Services
 - Wideband Analog 1 (WA1) Special Access Service
 - Description

Special Access Service WA1 provides a high capacity channel with a bandwidth from 60 kHz to 108 kHz for the transmission of a wideband signal between an IC terminal location and an End User's premises, between IC terminal locations or between an IC terminal location and a Telephone Company-designated Hub where multiplexing is offered.

b. Illustrative Application

Special Access Service WAI is suitable for the transmission of a 12-channel group.

- c. Optional Feature
 - Central office multiplexing.
- d. Transmission Performance
 - Nominal Bandwith

60 kHz to 108 kHz with pilot slot reserved at 104.08 kHz.

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PUBLIC SERVICE COMMISSION

OF MISSOURI

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Effective:

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Issued: May 28, 2021

Section 7 6th Revised Sheet 84 Replacing 5th Revised Sheet 84

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rates and Charges-(Continued)

7.4.3 Voice Grade(3) Service-(Continued)

(CP)

| | <u>USOC</u> | Monthly <u>Rates</u> | Nonrecurring <u>Charges</u> |
|---|-------------|-------------------------|--------------------------------|
| D. Optional Features, BSEs and Functions-(Continued) | | | |
| Selective Signaling Arrangement | | | |
| Per point of termination | USZ | \$15.90 | None |
| Transfer Arrangement (key activated(1)) | | | |
| Per four port arrange- ment including con- trol channel termi- nation(2) | USY | 32.10 | None |
| Per five port arrange- ment including con- trol channel termi- nation(2) | US5 | 28.70 | None |

- (1) The key activated control channel is rated as a metallic channel termination (use USOC T6EME in lieu of T6ECS) and channel mileage, if applicable (use USOC 1L5MX in lieu of 1L5XX).
- (2) An additional Channel Termination Charge will apply whenever a spare channel is configured as a leg to the customer premises. Additional Channel Mileage Charges will also apply when the transfer arrangement is not located in the customer premises serving wire center.
- (3) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

Effective: June 30, 2021

(AT)

(AT)

Access Services Tariff
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5th Revised Sheet 84
Replacing 4th Revised Sheet 84

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rates and Charges-(Continued)
- 7.4.3 Voice Grade Service-(Continued)

| | <u>USOC</u> | Monthly <u>Rates</u> | Nonrecurring <u>Charges</u> |
|--|-------------|----------------------|-----------------------------|
| D. Optional Features, BSEs and Functions-(Continued) | | | |
| 12. Selective Signaling Arrangement | | | |
| Per point of termination | USZ | (CR)\$15.90 | None |
| 13. Transfer Arrangement (key activated(1)) | | | |
| Per four port arrangement including control channel termination(2) | USY | (CR)32.10 | None |
| Per five port arrangement including control channel termination(2) | US5 | (CR)28.70 | None |

- (1) The key activated control channel is rated as a metallic channel termination (use USOC T6EME in lieu of T6ECS) and channel mileage, if applicable (use USOC 1L5MX in lieu of 1L5XX).
- (2) An additional Channel Termination Charge will apply whenever a spare channel is configured as a leg to the customer premises. Additional Channel Mileage Charges will also apply when the transfer arrangement is not located in the customer premises serving wire center.

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By JAN NEWTON, President-Missouri Southwestern Bell Telephone Company St. Louis, Missouri

Access Services Tariff
Section 7
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Replacing 3rd Revised Sheet 84

ACCESS SERVICES

| 7. | SPECIAL | ACCESS | SERVICE- | (Continued) |
|----|---------|--------|----------|-------------|
|----|---------|--------|----------|-------------|

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7.4 Rates and Charges-(Continued)

MAR 29 1993

7.4.3 Voice Grade Service-(Continued)

Public Salvico Commission
Nonrecurring

| | | | usoc | Monthly Rates | Nonrecurring Charges |
|---------|----|---|--------|------------------|----------------------|
| (C)(AT) | D. | Optional Features, BSEs and Functions-(Continued) | | | |
| (C) | | 12. Selective Signaling Arrangement | | | |
| | | Per point of terminati | on USZ | \$14.79 | None |
| (C) | | <pre>13. Transfer Arrangement (key activated(1))</pre> | | | |
| | | Per four port arrange- ment including con- trol channel termi- nation(2) | USY | 29.85 | None |
| | | Per five port arrange- ment including con- trol channel termi- nation(2) | US5 | 26.69 | None |

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JUN 25 2000

By 5th R 5 84

Public Service Commission
MISSOURI

(1) The key activated control channel is rated as a metallic channel termination (use USOC T6EME in lieu of T6ECS) and channel mileage, if applicable (use USOC 1L5MX in lieu of 1L5XX).

(2) An additional Channel Termination Charge will apply whenever a spare channel is configured as a leg to the customer premises. Additional Channel Mileage Charges will also apply when the transfer arrangement is not located in the customer premises serving wire center.

Issued:

MAR 2 6 1983

Effective:

AFF 1 1 1293

By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

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Access Services Tariff
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Replacing 2nd Revised Sheet 84

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

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(F(') 7.4 Rates and Charges-(Continued)

SEP 25 1989

(FC) 7.4.3 Voice Grade Service-(Continued)

MISSOURI Public Service Commission

| | | | <u>USOC</u> | Monthly Rates | Nonrecurring Charges | |
|----|-----|---|-------------|-------------------------|--|--|
| С. | | ional Features and ctions(Continued) | | | | |
| | 9. | Selective Signaling Arrangement | • | | | |
| | | Per point of termination | USZ | \$14.79 | None | |
| | 10. | Transfer Arrangement (key activated(1)) | | | | |
| | | Per four port arrange- ment including con- trol channel termi- nation(2) | USY | 29.85 | None | |
| | | Per five port arrange- ment including con- trol channel termi- nation(2) | 2122 | | CANCELLED None | |
| | | | | AF BY : Public Se | APR 11 1993 BY <u>并从 R.S. *8</u> 分 Public Service Commission MISSOURI | |

(1) The key activated control channel is rated as a metallic channel termination (use USOC T6EME in lieu of T6ECS) and channel mileage, if applicable (use USOC 1L5MX in lieu of 1L5XX). (2) An additional Channel Termination Charge will apply whenever a spare channel is configured as a leg to the customer premises. Additional Channel Mileage Charges will also apply when the transfer arrangement is not located in the customer premises serving wire center.

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Issued: SEP 2 5 1989

Effective: 007 1 1989 007 1 1989

Access Services Tariff Section 7 2nd Revised Sheet 84 Replacing 1st Revised Sheet 84

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

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7.5 Rates and Charges(Continued)

7.5.3 Voice Grade Service(Continued)

MISSOURI **Public Service Commission**

| | | USOC | Monthly Rates | Nonrecurring Charges |
|----|---|--|--|---|
| c. | Optional Features and Functions(Continued) | | | |
| | 9. Selective Signaling | | | |
| | Arrangement | | | |
| | Per point of termination | n USZ | \$14.79 | None |
| | <pre>10. Transfer Arrangement (key activated(1))</pre> | | | |
| | Per four port arrange- ment including con- trol channel termi- nation(2) | USY | 29.85 | None |
| | Per five port arrange- ment including con- trol channel termi- nation(2) | US5 | 26.69 | None |
| | | CAN 007 | CELLED 1989 PARS.#84 | ion |
| | c. | Functions (Continued) 9. Selective Signaling Arrangement Per point of termination 10. Transfer Arrangement (key activated(1)) Per four port arrangement including control channel termination(2) Per five port arrangement including control channel termination(2) | C. Optional Features and Functions(Continued) 9. Selective Signaling Arrangement Per point of termination USZ 10. Transfer Arrangement (key activated(1)) Per four port arrangement including control channel termination(2) Per five port arrangement including control channel termination(2) USY Per five port arrangement including control channel termination(2) USS CAN | C. Optional Features and Functions (Continued) 9. Selective Signaling Arrangement Per point of termination USZ \$14.79 10. Transfer Arrangement (key activated(1)) Per four port arrangement including control channel termination(2) Per five port arrangement including control channel termination(2) Per five port arrangement including control channel termination control channel |

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(1) The key activated control channel is rated as a metallic channel termination (use USOC T6EME in lieu of T6ECS) and channel mileage, if applicable (use USOC 1L5MX in lieu of 1L5XX). (2) An additional Channel Termination Charge will apply whenever a spare channel is configured as a leg to the customer premises. Additional Channel Mileage Charges will also apply when the transfer arrangement is not located in the customer premises serving FILED wire center.

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Effective: OCT 16 1987

OCT 16 1987

Access Services Tariff
Section 7
1st Revised Sheet 84
Replacing Original Sheet 84

(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges(Continued)
- 7.5.3 Voice Grade Service(Continued)

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JUN 27 1986

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Public Service Comprission

Monthly USOC Rates

C. Optional Features and Functions (Continued)

Selective Signaling

Arrangement

USZ \$14.79 Per point of termination None CANCELLED Transfer Arrangement OCT 16 1987 BY 201785.#84 (key activated(1)) Per four port arrange-29.85 public Service Commission ment including control channel termi-USY nation(2) Per five port arrangement including control channel termi-**US5** 26.69 nation(2) None

(1) The key activated control channel is rated as a metallic channel termination (use USOC T6EME in lieu of T6ECS) and channel mileage; if applicable (use USOC 1L5MX in lieu of 1L5XX). (2) An additional Channel Termination Charge will apply whenever a spare channel is configured as a legito the customer premises. Additional Channel Mileage Charges will also apply when the transfer arrangement is not located in the customer premises serving wire center.

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Effective: JUL 1 1986

Access Services Tariff Section 7 Original_Sheet_84

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Public Service Commission

ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)
 - E. Wideband Analog Services-(Continued)
 - Wideband Analog 1 (WA1) Special Access Service-(Continued)
 - e. Available Facility Interface Combinations

| End User | | |
|----------|--|--|
| | | |
| 4AH5-B | | |
| 4AH5-B | | |
| 4AH5-B | | |
| | | |

- Wideband Analog to Digital (WAIT) Special Connector Service
 - a. Description

Special Access Service WAlT provides two WAl channels from an IC terminal location for connection to an HC1 Special Access Service at a Telephone Company-designated Hub location via a Group to DS1 multiplexer. The HC1 service may only be extended to another Hub for multiplexing to voice or other service.

Illustrative Application

Special Access Service WAIT is suitable for the transmission of 24 channels connected via multiplexing to 24 DS1 channels.

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PUBLIC SERVICE COMMISSION

(1) Available only to IC's selecting the multiplexed four-wire High Capacity analog facility interface option at the IC terminal location and providing subsequent system and channel assignment data.

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Effective: JAN 0 1 1984

Access Services Tariff
Section 7
2nd Revised Sheet 85
Replacing 1st Revised Sheet 85

(CP)ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

(FC) 7.4 Rates and Charges-(Continued)



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(CP)ACCESS SERVICES

No supplement to this tariff will be issued except for the purpose of canceling this tariff.

SPECIAL ACCESS SERVICE-(Continued)

Access Services Tariff
Section 7

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Replacing-Original-Sheet-85

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JUN 27 1986

| | - | | JUN 27 1986 | K |
|--|---|------------------|---|--------------|
| 7.5 Rates and Charges-(Continued) | | | 0611111111 | |
| | | | MISSUURI | |
| 7.5.4 Program Audio Service | | | Public Service Commission | ì |
| | | Monthly | Nonrecurring | ¹ |
| | USOC | Rates | Charges | |
| A. Channel Termination | | | | |
| | | | | |
| Per point of termination | | | | |
| | | | 41 | |
| - 200 to 3500 Hz | T6ECS | \$ 18.37 | | |
| - 100 to 5000 Hz | T6ECS | 36.66 | | |
| 50 to 8000 Hz50 to 15000 Hz | T6ECS | 35.69 | 49.20 49.20 | |
| - JO CO 13000 H2 | T6ECS | 55.34 | 49.20 | |
| l. Inside Wire Charge | | | | |
| - Per Channel Termi- | | | | |
| nation | UMJ | None | None | |
| | | IN ED | | |
| | 3100 | المعاسلينان | Monthly Rates | |
| | RED AVIC | ρ_{R} | Fixed Per Mile | |
| | 257 | 1 1989 2 C#85 | | |
| B. Channel Mileage | OCT BY BY BY BY BY BY BY BY BY BY BY BY BY | LS#85 | mission | |
| 1. 200 to 3500 Hz | DYA. | The COIN | Mino | |
| 1. 200 to 3300 Hz | ur Se | FILIOSCIVY | 1 | |
| Mileage Bands | 517.10110 B | MISSO | | |
| 0 | | | 110110 | |
| Over 0 to 4 | 1L5XX | | \$11.66 \$3.35 | |
| Over 4 to 8 Over 8 to 25 | 1L5XX 1L5XX | | 11.66 3.18 11.66 2.93 | |
| Over 25 to 50 | IL5XX | | 11.66 2.93 30.80 2.35 | |
| Over 50 | 1L5XX | | 33.63 2.35 | |
| 3,02 | | | 33.43 | |
| 2. 100 to 5000 Hz | | | | |
| Mileage Bands | | | | |
| 0 | 1L5XX | | None None | |
| Over 0 to 4 | 1L5XX | | 19.01 5.06 | |
| Over 4 to 8 | 1L5XX | | | |
| Over 8 to 25 | 1L5XX | | 19.01 5.06 [] [] [] [] [] [] [] [] [] [] [] [] [] | |
| Over 25 to 50 | 1L5XX | | 39.03 3.82 | ^ |
| Over 50 | 1L5XX | | 44.12 3.73 1 1986 |) |
| | | | 86-84 | |

Issued: JUN 27 1986

Effective: JUL 1 1986

Public Service Commission

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ACCESS SERVICES

DEC 2 5 1080

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Technical Service Descriptions for Special Access Service (Continued)
 - 7.2.1 Analog Services-(Continued)
 - E. Wideband Analog Services-(Continued)
 - 2. Wideband Analog to Digital (WAIT) Special Access Service-(Continued)
 - c. Optional Feature
 - Central office multiplexing.
 - d. Transmission Performance

Provides two Special Access WA1 channels each with the performance shown for WA1 in Paragraph 7.2.1, E.1.d., preceding.

NOTE: The Access Connection and Special Transport rate elements for WA1 apply for WA1T. Two of each are required.

- 3. Wideband Analog 2 (WA2) Special Access Service
 - Description

Special Access Service WA2 provides a high capacity channel with a bandwidth from 312 kHz to 552 kHz for the transmission of a wideband signal between an IC terminal location and an End User's premises or between IC terminal locations or between an IC terminal location and a Telephone Companydesignated Hub where multiplexing is offered.

b. Illustrative Application

Special Access Service WA2 is suitable for the transmission of a 60-channel supergroup.

c. Optional Feature

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- Central office multiplexing

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OF MISSOURI

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Replacing 1st Revised Sheet 86

(CP)ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

(FC) 7.4 Rates and Charges-(Continued)



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Access Services Tariff

Replacing Original Sheet 86

JUN 27 1986

1st Revised Sheet 86

Section 7

No supplement to this tariff will be issued except for the purpose of canceling this tariff.

(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.5 Rates and Charges-(Continued)
 - 7.5.4 Program Audio Service-(Continued)

| | | USOC |
|----|------------------|------|
| В. | Channel Mileage- | |
| | (Continued) | |

3. 50 to 8000 Hz

| 1L5XX | None | None |
|--------------|-------------------------|--|
| 1L5XX | \$23.33 | \$ 6.07 |
| 1L5XX | 23.33 | 6.07 |
| 1L5XX | 23.70 | 6.03 |
| 1L5XX · ED | 46.85 | 5.10 |
| 1L5XX ANGELL | 46.85 | 5.10 |
| | 1L5XX 1L5XX 1L5XX | 1L5XX \$23.33 1L5XX 23.33 1L5XX 23.70 1L5XX 46.85 |

50 to 15000 Hz

| Mileage Bands | 1L5XX BY R.S. TOPNICE COMMINICE SERVICE SERVICE MISSOURI | si ^{Ol7} | |
|---------------|--|-------------------|-------|
| 0 | 1L5XX BOOKING COM | None | None |
| Over 0 to 4 | 1L5XXJ/ic ServiceSOUTY | 26.56 | 11.78 |
| Over 4 to 8 | 1L5XX | 26.56 | 11.78 |
| Over 8 to 25 | 1L5XX | 36.44 | 10.55 |
| Over 25 to 50 | 1L5XX | 68.19 | 9.28 |
| Over 50 | 1L5XX | 68.19 | 9.28 |

Optional Features and

| fun | ctions | USOC | Monthly Rates | Nonrecurring Charges |
|-----|----------------------------------|-------|------------------|--|
| 1. | Bridging, Distribution Amplifier | | | |
| | - Per Port | BCNPT | \$17.54 | None |
| 2. | Gain Conditioning | | T | The Company of the Co |
| | - Per service | XGC | 5.21 | \$164500 ED |
| 3. | Stereo | | | Jane 1 1986 |
| | - Per service | XSC | None | 361.86 - 84 Diffic Somme Commission |

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ACCESS SERVICES

DEC 2 8 1833

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Services (Cont
 - 7.2.1 Analog Services-(Continued)
 - Wideband Analog Services-(Continued)
 - Wideband Analog 2 (WA2) Special Access Service-(Continued)
 - Transmission Performance
 - Nominal Bandwith

312 kHz to 552 kHz with pilot slot reserved at 315.92 kHz.

e. Available Facility Interface Combinations

| <u>IC</u> | End User |
|-----------|-----------|
| 4AH6-C | 4AH6-C |
| 4AH6-D(1) | 4AH6~C(2) |

(1) Available only to IC's selecting the multi-⊃four-wire, High Capacity analog facility interface option at the IC terminal location and providing subsequent system and channel assignment1data86

(2) Available only via a Telephone Company designated Hub where multiplexing is offered.

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ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rates and Charges-(Continued)

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Replacing 1st Revised Sheet 87

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

- (FC) 7.4 Rates and Charges-(Continued)
- (FC) 7.4.4 Wideband Analog Service

| A. Channel Termination | <u>USOC</u> | Monthly <u>Rates</u> | Nonrecurring <u>Charges</u> |
|----------------------------|-------------|----------------------|-----------------------------|
| A. Channel Termination | | | |
| - Per point of termination | | | |
| - 60 kHz - 108 kHz | TWT++ | ICB | ICB |
| - 312 kHz - 552 kHz | TWT++ | ICB | ICB |
| - 564 kHz - 3084 kHz | TWT++ | ICB | ICB |
| - 300 kHz - 18 kHz | TWT++ | ICB | ICB |
| - 29 kHz - 44 kHz | TWT++ | ICB | ICB |
| | | Mont | hly Rate |
| | <u>USOC</u> | <u>Fixed</u> | Per Mile |
| B. Channel Mileage | | | |
| 1. 60 kHz - 108 kHz | | | |

Mileage Bands

| 0 | 1L0++ | None | None |
|---------------|-------|------|------------|
| Over 0 to 4 | 1L0++ | ICB | ICB |
| Over 8 to 25 | 1LO++ | ICB | ICB |
| Over 25 to 50 | 1LO++ | ICB | ICB |
| Over 50 | 1LO++ | ICB | ICB |

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Replacing Original Sheet 87

(CP) ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)
 - 7.5.5 Wideband Analog Service

| | | | | |
|---|------|--------------|---|--|
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| Monthly |
|---------|
| Rates |
| |

A. Channel Termination

- Per point of termination

| - 60 kHz - 108 kHz | TWT++ | ICB | ICB |
|----------------------|-------|-----|-----|
| - 312 kHz - 552 kHz | TWT++ | ICB | ICB |
| - 564 kHz - 3084 kHz | TWT++ | ICB | ICB |
| - 300 kHz - 18 kHz | TWT++ | ICB | ICB |
| - 29 kHz - 44 kHz | TWT++ | ICB | ICB |

USOC Fixed Per Mile

B. Channel Mileage

1. 60 kHz - 108 kHz

Mileage Bands

| 0 | 1L0++ | None | None |
|---------------|-------|------|------|
| Over 0 to 4 | 1L0++ | ICB | ICB |
| Over 4 to 8 | 1LO++ | ICB | ICB |
| Over 8 to 25 | 1L0++ | ICB | ICB |
| Over 25 to 50 | 1L0++ | ICB | ICB |
| Over 50 | 1L0++ | ICB | ICB |

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Public Service Commission

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

DEC 20 1003

- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)

Public Service Commission

- F. Dedicated Access Line Service (DALS)
 - 1. Description

Special Access Dedicated Access Line Service provides a channel for voice frequency transmission capability. The service provides a connection between an End User's premises (which for purposes of this Tariff includes Centrex CO switches) and a Telephone Company switching office capable of performing the necessary screening functions for 800 Service, WATS or similar services.

Dedicated Access Line Service is provided for either originating calling only or terminating calling only. It is provided with rotary dial or dual tone multifrequency address signaling and either loop-start or ground-start supervisory signaling (i.e., facility interfaces). The choice of the type of signaling is at the option of the IC.

Service is provided as either effective two-wire or effective fourwire transmission paths. Each transmission path is provided with a standard transmission performance and Data Transmission Parameters as set forth in Paragraph 7.2.1, F.4.a. and b., following. the IC experience trouble transmitting data over these transmission paths, the Telephone Company will test the lines, either independently or cooperatively with the IC, as appropriate, and take any necessary action to insure that the Data Transmission Parameters set forth in Paragraph 7.2.1, F.4.b., following, are met. The testing will be charged for at the rates set forth in Section 13, Paragraph 13.3.5, C.2.b., following, for nonscheduled testing.

Dedicated Access Line Service may be provided to an IC in connection with the provisions of WATS or WATS-like service as follows:

- Jointly with the Telephone Company-providing intraLATA and the ICproviding interLATA calling as specified in the Wide Area Tele-
- communications Service Tariff.
 Solely by the IC White arrangement, intraLATA calls completed over facilities wholly provided by the Telephone Company will be billed at established Long Distance Service rates. In addition, this arrangement is not available for 800 Service until intra LATA calls can be distinguished from interLATA calls. 83 - 253

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OF MISSOURI

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P.S.C. Mo. - No. 36 **ACCESS SERVICES TARIFF**

Southwestern Bell Telephone

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Company d/b/a AT&T Missouri

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rates and Charges-(Continued)

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Section 7
2nd Revised Sheet 88
Replacing 1st Revised Sheet 88

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

- (FC) 7.4 Rates and Charges-(Continued)
- (FC) 7.4.4 Wideband Analog Service-(Continued)
 - B. Channel Mileage-(Continued)

| | <u>USOC</u> | Monthly Fixed | Rates Per Mile |
|--|--|----------------------------------|---|
| 2. 312 kHz - 552 kHz | | | |
| Mileage Bands | | | |
| 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 | 1L0++ 1L0++ 1LO++ 1LO++ 1LO++ 1LO++ | None ICB ICB ICB ICB | None ICB ICB ICB ICB |
| 3. 564 kHz - 3084 kHz | | | |
| Mileage Bands | | | |
| 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 | 1L0++ 1L0++ 1LO++ 1LO++ 1LO++ 1LO++ | None ICB ICB ICB ICB | None ICB ICB ICB ICB ICB |
| 4. 300 Hz - 18 kHz | | | |
| Mileage Bands | | | |
| 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 | 1L0++ 1L0++ 1LO++ 1LO++ 1LO++ 1LO++ | None ICB ICB ICB ICB | None ICB ICB ICB ICB ICB |

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(CP) ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)
- 7.5.5 Wideband Analog Service-(Continued)
- B. Channel Mileage-(Continued)

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| MISSUURI Public Service Commission | 1 |

| | | | | 1 apur Service connuession |
|----|---|---|---|--|
| | | | Month | lly Rates |
| | | USOC | Fixed | Per Mile |
| 2. | 312 kHz - 552 kHz | | | · |
| | Mileage Bands | | | |
| | 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 | 1L0++ 1L0++ 1L0++ 1L0++ 1L0++ | None ICB ICB ICB ICB ICB | None ICB ICB ICB ICB ICB |
| 3. | 564 kHz - 3084 kHz | | | |
| | Mileage Bands | | | |
| | 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 | 1L0++ 1L0++ 1L0++ 1L0++ 1L0++ | None ICB ICB ICB ICB ICB | None ICB |
| 4. | 300 Hz - 18 kHz | | | OCT R.S. #88 sion |
| | Mileage Bands | | | BY BY Commission BY Convice Commission Fublic Garvice Commission None |
| | 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 | 1L0++ 1L0++ 1L0++ 1L0++ 1L0++ | None ICB ICB ICB ICB ICB | None ICB |

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Effective: JUL 1 1986

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

DEC 20 (CGG

- 7.2 Technical Service Descriptions for Special Access Service-(Continued) I...S.:CuRl
 - 7.2.1 Analog Services-(Continued)

Public Sentice Commission,

- F. Dedicated Access Line Service (DALS)-(Continued)
 - Application

Dedicated Access Line Service is provided only for use with Feature Group C or D Switched Access Service. It is for use at the closed end of an 800 Service or WATS-type service.

- 3. Optional Features
 - Two-Wire Improved Voice Transmission Performance (guaranteed performance levels are set forth in Paragraph 7.2.1, F.4.b., following).
 - Four-Wire Improved Voice Transmission Performance (guaranteed performance levels are set forth in Paragraph 7.2.1, F.4.c., following).
 - Certain other features which may be provided in connection with Dedicated Access Line Service are available under the Telephone Company's Local and/or General Exchange Service Tariffs. These are:
 - End User's access to Telephone Company's test
 - Speed Calling
 - Remote Call Forwarding
 - Directory Numbers (with trunk side terminations)
- Transmission Performance
 - Standard Transmission Performance
 - Loss Deviation

The maximum Lossiph Harris bfithe 4004 Hz loss relative to the Expected Measured Loss (EML)

is + 4.0 dB.

Issued: DEC 2 9 1983

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ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rates and Charges-(Continued)

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Effective: October 1, 2021

Access Services Tariff
Section 7
3rd Revised Sheet 89
Replacing 2nd Revised Sheet 89

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rates and Charges-(Continued)
- 7.4.4 Wideband Analog Service-(Continued)
 - B. Channel Mileage-(Continued)

| | <u>USOC</u> | Monthly Fixed | Rates Per Mile |
|--------------------|-------------|------------------|-------------------|
| 5. 29 kHz - 44 kHz | | | |
| Mileage Bands | | | |
| 0 | 1L0++ | None | None |
| Over 0 to 4 | 1L0++ | ICB | ICB |
| Over 4 to 8 | 1LO++ | ICB | ICB |
| Over 8 to 25 | 1LO++ | ICB | ICB |
| Over 25 to 50 | 1LO++ | ICB | ICB |
| Over 50 | 1LO++ | ICB | ICB |

- (AT) D. Optional Features, BSEs and Functions
 - 1. Multiplexing
 - a. Mastergroup to Supergroup

- Per arrangement

- Per arrangement

| b. Supergroup to Group | |
|------------------------|--|
|------------------------|--|

MQS++

MQ9++

ICB

ICB

None

None

c. Group to Voice(1)

- Per arrangement MQV++ ICB None

d. Group to DS1(2)

- Per arrangement MQG++ ICB None

(1) Requires two 60-108 kHz channel terminations and channel mileage, one 1.544 Mbps channel mileage and either a 1.544 Mbps channel termination or a DS1 to voice multiplexing optional feature, depending on whether the service terminates at a customer's premises or was purchased as a facility to a Telephone Company Hub for multiplexing to voice grade.

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ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

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(F(') 7.4 Rates and Charges-(Continued)

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(FC) 7.4.4 Wideband Analog Service-(Continued) Public Service Commission

B. Channel Mileage-(Continued)

| | | | Monthly | Kates |
|---|-----------------|-------------|---------|----------|
| | | <u>USOC</u> | Fixed | Per Mile |
| • | 29 kHz - 44 kHz | | | |
| | Mileage Bands | | | |

5

| 0 | · 1L0++ | None | None |
|---------------|---------|------|------|
| Over 0 to 4 | 1L0++ | ICB | ICB |
| Over 4 to 8 | 1L0++ | ICB | ICB |
| Over 8 to 25 | 1L0++ | ICB | ICB |
| Over 25 to 50 | 1L0++ | ICB | ICB |
| Over 50 | 1L0++ | ICB | ICB |

D. Optional Features and Functions

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| 1. | Mult | iplex | ing |
|----|------|-------|-----|
|----|------|-------|-----|

a. Mastergroup to Supergroup - Per arrangement

MQ9++ ICB **Public Service Commission** None None

Supergroup to Group

- Per arrangement

ICB

None

c. Group to Voice Per arrangement

HQV++

MQS++

ICB

None

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(RT)

d. Group to DS1(1) - Per arrangement

MQG++

ICB

None

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(RT)

(CT) (1) Requires two 60-108 kHz channel terminations and channel mileage, one 1.544 Mbps channel mileage and either a 1.544 Mbps channel termination or a DS1 to voice multiplexing optional feature, depending on whether the service terminates at a customer's premises or was purchased as a facility to a Telephone Company Hub for multiplexing to voice grade.

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(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.5 Rates and Charges-(Continued)
 - 7.5.5 Wideband Analog Service-(Continued)
 - Channel Mileage-(Continued)

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Public Service Commission Monthly

Per Mile USOC Fixed

29 kHz - 44 kHz

Mileage Bands

| 0 | 1L0++ | None | None |
|-----------------------|-------|------|-----------|
| Over 0 to 4 | 1L0++ | ICB | ICB |
| Over 4 to 8 | 1LO++ | ICB | ICB |
| Over 8 to 25 | 1LO++ | ICB | ICB |
| Over 25 to 50 | 1LO++ | ICB | ICB |
| Over 50 | 1LO++ | ICB | ICB CO |
| | | | CANCELLED |
| Optional Features and | | | CANCE |

Functions.

Multiplexing

Per arrangement

Public Service Continuoion $_{\rm MISSOU^{Al}}$ None a. Mastergroup to Supergroup ICB - Per arrangement MO9++ Supergroup to Group - Per arrangement MQS++ ICB None Group to Voice(1) - Per arrangement MQV++ ICB None Group to DS1(2)

MQG++

(1) A channel(s) of this Group Level Service to the Hub can be used for Audio Service.

(2) Requires two 60-108 kHz channel terminations and channel mileage, one 1.544 Mbps channel mileage and either a 1.544 Mbps channel termination or a DS1 to voice multiplexing optional feature, depending on whether 6 - 84 the service terminates at a customer's premises or was purchased as 32 Vice Commission facility to a Telephone Company Hub for multiplexing to voice grade.

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ICB

None

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ACCESS SERVICES

DEC 2 9 1383

SPECIAL ACCESS SERVICE-(Continued)

- 7.2 Technical Service Descriptions for Special Access Service (Gontinued) mmission.
 - 7.2.1 Analog Services-(Continued)
 - F. Dedicated Access Line Service (DALS)-(Continued)
 - Transmission Performance-(Continued)
 - Standard Transmission Performance-(Continued)
 - Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to the loss at 1004 Hz is -3.0 dB to +9.0 dB.

- C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than:

| Route Mi | les | <u>C-Mess</u> | age Noise |
|----------|------|---------------|-----------|
| 0 to | 50 | 35 đ | BrnCO |
| 51 to | 100 | 37 d | BrnCO |
| 101 to | 200 | 40 d | BrnCO |
| 201 to | 400 | 43 d | BrnCO |
| 401 to 1 | .000 | 45 d | BrnCO |

- Echo Path Loss

When provided in association with a two-wire interface, the Echo Path Loss, expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), is equal to or greater than:

> 6.0 dB ERL

> > JUL 1 1986

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DEC 2 9 1983 Issued:

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ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rates and Charges-(Continued)

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

- (FC) 7.4 Rates and Charges-(Continued)
- (FC) 7.4.5 Wideband Data Service

| | USOC | Monthly Fixed | Rates Per Mile |
|----------------------------|-------------|------------------|-------------------|
| | | | |
| A. Channel Termination | | | |
| - Per point of termination | | | |
| - 19.2 or 18.75 kbps | TWT++ | ICB | ICB |
| - 50.0 or 40.8 kbps | TWT++ | ICB | ICB |
| - 230.4 kbps | TWT++ | ICB | ICB |
| | | M 41 | ъ. |
| | HIGOG | <u>Monthly</u> | Rates |
| | <u>USOC</u> | <u>Fixed</u> | Per Mile |

B. Channel Mileage

1. 19.2 or 18.75 kbps

Mileage Bands

| 0 | 1LO++ | None | None |
|---------------|-------|------|------|
| Over 0 to 4 | 1LO++ | ICB | ICB |
| Over 4 to 8 | 1LO++ | ICB | ICB |
| Over 8 to 25 | 1LO++ | ICB | ICB |
| Over 25 to 50 | 1LO++ | ICB | ICB |
| Over 50 | 1LO++ | ICB | ICB |

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(CP)ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)
 - 7.5.6 Wideband Data Service

| | | | | | _ |
|---|----|------|----|---|---|
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| USOC | Monthly Rates | Noticing Service Commission |
|-------------|------------------|-----------------------------|
| <u>USOC</u> | Rates | -Charges |

- A. Channel Termination
 - Per point of termination

| - 19.2 or 18.75 kbps | TWT++ | ICB | ICB |
|----------------------|-------|-----|-----|
| - 50.0 or 40.8 kbps | TWT++ | ICB | ICB |
| - 230.4 kbps | TWT++ | ICB | ICB |

| | Month | ly Ra | tes |
|------|-------|-------|------|
| USOC | Fixed | Per | Mile |
| | | | |

- B. Channel Mileage
 - 1. 19.2 or 18.75 kbps

Mileage Bands

| 0 | 1L0++ | None | None |
|---------------|-------|------|------|
| Over 0 to 4 | 1L0++ | ICB | ICB |
| Over 4 to 8 | 1L0++ | ICB | ICB |
| Over 8 to 25 | 1L0++ | ICB | ICB |
| Over 25 to 50 | 1L0++ | ICB | ICB |
| Over 50 | 1LO++ | ICB | ICB |

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ACCESS SERVICES

DEC 20 1000

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service (Continued) Commission
- 7.2.1 Analog Services-(Continued)
 - F. Dedicated Access Line Service (DALS)-(Continued)
 - Transmission Performance-(Continued)
 - b. Data Transmission Parameters
 - Signal to C-Notched Noise Ratio

The minimum Signal-to-C-Notched Noise Ratio is 30 dB.

- Envelope Delay Distortion

The maximum Envelope Delay Distortion for the frequency bands specified is:

1000 microseconds

604 to 2804 Hz

500 microseconds

1000 to 2404 Hz

- Impulse Noise Counts

The Impulse Noise Counts exceeding a 67 dBrnCO threshold in 15 minutes is no more than 15 counts.

- Intermodulation Distortion

The Second Order (R2) and Third Order (R3) Intermodulation Distortion products are equal to or greater than:

Second Order (R2)

31 dB

Third Order (R3)

34 dB

- Phase Jitter

The Phase Jitter over the file of 300 Hz from less than or equal to the peak to peak.

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ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rates and Charges-(Continued)

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

- (FC) 7.4 Rates and Charges-(Continued)
- (FC) 7.4.5 Wideband Data Service-(Continued)

| B. Channel Mileage-(Continued) | <u>USOC</u> | Monthly Fixed | Rates Per Mile |
|--|--|----------------------------------|----------------------------------|
| 2. 50.0 or 40.8 kbps | | | |
| Mileage Bands | | | |
| 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 3. 230.4 kbps Mileage Bands | 1LO++ 1LO++ 1LO++ 1LO++ 1LO++ 1LO++ | None ICB ICB ICB ICB | None ICB ICB ICB ICB |
| 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 | 1LO++ 1LO++ 1LO++ 1LO++ 1LO++ 1LO++ | None ICB ICB ICB ICB | None ICB ICB ICB ICB |

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(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.5 Rates and Charges-(Continued)
 - 7.5.6 Wideband Data Service-(Continued)

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JUN 27 1986

MISSUURI Public Service Commission

| | Monthly | y Ka | tes |
|------|---------|------|------|
| USOC | Fixed | Per | Mile |

- B. Channel Mileage-(Continued)
 - 2. 50.0 or 40.8 kbps

Mileage Bands

| 0 | 1L0++ | None | None |
|---------------|-------|------|------|
| Over 0 to 4 | 1L0++ | ICB | ICB |
| Over 4 to 8 | 1L0++ | ICB | ICB |
| Over 8 to 25 | 1L0++ | ICB | ICB |
| Over 25 to 50 | 1L0++ | ICB | ICB |
| Over 50 | 1L0++ | ICB | ICB |

3. 230.4 kbps

Mileage Bands

| 0 | 1L0++ | None | None |
|---------------|--------------------------|------|------|
| Over 0 to 4 | 1 L 0++ | ICB | ICB |
| Over 4 to 8 | 1L0++ | ICB | ICB |
| Over 8 to 25 | 1 LO++ | ICB | ICB |
| Over 25 to 50 | 1L0++ | ICB | ICB |
| Over 50 | 1L0++ | ICB | ICB |

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BY Service Commission

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

DEC 2 9 1000

- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)

Public Service Commission

- F. Dedicated Access Line Service (DALS)-(Continued)
 - Transmission Performance-(Continued)
 - b. Data Transmission Parameters-(Continued)
 - Frequency Shift

The maximum Frequency Shift does not exceed -2 to +2 Hz.

- c. Two-Wire Improved Voice Transmission Performance
 - Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is -4.0 dB to +4.0 dB.

- Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to the loss at 1004 Hz is -2.0 dB to +6.0 dB.

- C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than:

| Route M | liles | C-Message Noise |
|---------|-------|-----------------|
| 0 to | 50 | 35 dBrnCO |
| 51 to | 100 | 37 dBrnCO |
| 101 to | 200 | 40 dBrnCO |
| 201 to | 400 | 43 dBrnCO |
| 401 to | 1000 | 45 dBrnCO |

- Return Loss

The Return Loss, expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), is equal to or greater, in Land than:

ERGANIELLED SRL 6.0 dB

JUL 1 1986

PUBLIC SERVICE COMMISSION Effective JAN 0 1 1984

Issued: DEC 29 1983

By R. D. BARRON, Vice Fresident-Missouri Southwestern Bell Telephone Company St. Louis, Missouri

P.S.C. Mo. - No. 36 ACCESS SERVICES TARIFF

Southwestern Bell Telephone Company d/b/a AT&T Missouri Section 7 4th Revised Sheet 92 Replacing 3rd Revised Sheet 92

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rates and Charges-(Continued)

(RT)

(RT)

Issued: October 21, 2014

Effective: November 20, 2014

Access Services Tariff
Section 7
3rd Revised Sheet 92
Replacing 2nd Revised Sheet 92

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rates and Charges-(Continued)
- 7.4.5 Wideband Data Service-(Continued)

| | | <u>USOC</u> | Monthly <u>Rates</u> | NonrecurringCharges |
|------|---|-------------|----------------------|---------------------|
| (AT) | C. Optional Features, BSEs and Functions | | | |
| | Key Activated Trans- fer Arrangement | | | |
| | - Per four port arrange- ment including con- trol channel termi- nation(1) | UTK++ | ICB | ICB |
| | D. 303 Data Station | | | |
| | - Per point of termination where provided | TDQ++ | ICB | ICB |

(1) The key activated control channel is rated as a metallic channel termination (use USOC T6EME in lieu of T6ECS) and channel mileage, if applicable (use USOC 1L5MX in lieu of 1L5XX).

Issued: March 26, 1993 Effective: April 11, 1993

CANCELED November 20, 2014 Missouri Public Service Commission JI-2015-0173

Access Services Tariff
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2nd Revised Sheet 92
Replacing 1st Revised Sheet 92

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

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(FC) 7.4 Rates and Charges-(Continued)

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(F(') 7.4.5 Wideband Data Service-(Continued)

Public Service Commission

| | | usoc | Monthly Rates | Nonrecurring Charges |
|----|---|-------|------------------|-------------------------|
| C. | Optional Features and Functions | | | |
| | Key Activated Trans- fer Arrangement | | | |
| | <pre>- Per four port arrange- ment including con- trol channel termi- nation(1)</pre> | UTK++ | ICB | ICB |
| D. | 303 Data Station | | | |
| | Per point of termination where provided | TDQ++ | ICB | ICB |

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Public Service Commission

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 The key activated control channel is rated as a metallic channel termination (use USOC T6EME in lieu of T6ECS) and channel mileage, if applicable (use USOC 1L5MX in lieu of 1L5XX).

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Issued: 0EP 2 5 1989

Effective:

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Access Services Tariff Section 7 1st Revised Sheet 92

Replacing Original Sheet 92

(CP)ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

JUN 27 1986

7.5 Rates and Charges-(Continued)

7.5.6 Wideband Data Service-(Continued)

MISSONKI **Public Service Commission** Nonrecurring

Monthly USOC Rates

Charges

- Optional Features and **Functions**
 - Key Activated Transfer Arrangement
 - Per four port arrangement including control channel termination(1)

UTK++

ICB

ICB

- 303 Data Station
 - Per point of termination where provided

TD0++

ICB

ICB

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Mi 1 1986 86-84 Public Service Commission

(1) The key activated control channel is rated as a metallic channel termination (use USOC T6EME in lieu of T6ECS) and channel mileage, if applicable (use USOC 1L5MX in lieu of 1L5XX).

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Effective:

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Access Services Tariff Section 7 Original Sheet 92

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

DEC 20 ACC

- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.1 Analog Services-(Continued)

Public Service Commission;

- F. Dedicated Access Line Service (DALS)-(Continued)
 - 4. Transmission Performance-(Continued)
 - d. Four-Wire Improved Voice Transmission Performance
 - Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is -4.0 dB to +4.0 dB.

- Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +6.0 dB.

- C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than:

| Route Miles | | | liles | C-Message Noise |
|-------------|-----|----|-------|-----------------|
| | 0 | to | 50 | 35 dBrnCO |
| • | 51 | to | 100 | 37 dBrnCO |
| | 101 | to | 200 | 40 dBrnCO |
| | 201 | to | 400 | 43 dBrnCO |
| | 401 | to | 1000 | 45 dBrnCO |
| | | | | |

- Echo Path Loss

The Echo Path Loss, expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL) is equal or greater than none RE 11 日间

GANGELLEU ERL 16.0 dB

SRL 1110 1dB 1986

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Issued: DEC 29 1983

Section 7 7th Revised Sheet 93 Replacing 6th Revised Sheet 93

7. 7

CANCELLED - Missouri Public Service Commission - 05/01/2024 - TN-2024-0278 - JI-2024-0140

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rates and Charges-(Continued)

7.4.6 MegaLink Data(2) Service

(CP)

| A. Channel Termination - Per point of termination | <u>USOC</u> | Monthly <u>Rates</u> | Nonrecurring <u>Charges</u> 1st Ckt Addl. Ckt | |
|---|-------------|-------------------------|---|------|
| | | | | (RT) |
| - 4.8 kbps(1) - 9.6 kbps(1) | | | | ` , |
| - 19.2 kbps | T6ECS | 132.15 | 273.00 208.00 | |
| - 56.0 kbps(1) - 64.0 kbps (CC) | T6ECS | 197.05 | 324.00 247.00 | |
| 1 Inoido Wiro Chargo | | | Nonrecurring Charges | |
| Inside Wire Charge Per Channel Termination | WMJ | None | None | |
| | | Monthly R | ates | |
| | <u>USOC</u> | | Mile | |

- B. Channel Mileage
 - 1. 2.4 kbps(1)

(1) See Supplemental Schedule for current effective rates.

(2) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(AT)

| (AT)

Access Services Tariff
Section 7
6th Revised Sheet 93
Replacing 5th Revised Sheet 93

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

- 7.4 Rates and Charges-(Continued)
- 7.4.6 MegaLink Data Service

| | A. Channel Termination | <u>USOC</u> | Monthly <u>Rates</u> | Nonrecurring Charges 1st Ckt Addl. Ckt |
|-------------------|--|-------------|---------------------------|--|
| | - Per point of termination | | | |
| (CP) (CP) | - 2.4 kbps(1) - 4.8 kbps(1) - 9.6 kbps(1) - 19.2 kbps - 56.0 kbps(1) | T6ECS | 132.15 | 273.00 208.00 |
| | - 64.0 kbps (CC) | T6ECS | 197.05 | 324.00 247.00 |
| | Inside Wire Charge | | | Nonrecurring Charges |
| | - Per Channel Termination | WMJ | None | None |
| | | <u>USOC</u> | Monthly Ra Fixed Per M | |
| | B. Channel Mileage | | | |
| (AT) | 1. 2.4 kbps(1) | | | |
| (RT) | | | | |

(AT) (1) See Supplemental Schedule for current effective rates.

Issued: April 10, 1995 Effective: April 11, 1995

(RT)

Access Services Tariff
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Replacing 4th

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

JAN - 9 1995

7.4 Rates and Charges-(Continued)

MO. PUBLIC SERVICE COMM.

7.4.6 MegaLink Data Service

| | | Channel Termination - Per point of termination | <u>usoc</u> | Monthly <u>Rates</u> | Nonrecurring Charges 1st Ckt Addl. Ckt |
|------|------|---|-------------|--------------------------------|---|
| | | - 2.4 kbps | T6ECS | \$ 92.85 | \$273.00 \$208.00 |
| | | - 4.8 kbps | T6ECS | 94.00 | 279.00 213.00 |
| | | - 9.6 kbps | T6ECS | 92.95 | 274.00 209.00 |
| (AT) | | - 19.2 kbps | T6ECS | 132.15 | 273.00 208.00 |
| • | | - 56.0 kbps | T6ECS | 171.35 | 324.00 249.00 |
| (AT) | | - 64.0 kbps (CC) | T6ECS | 197.05 | 324.00 247.00 |
| | | 1. Inside Wire Charge | | | Nonrecurring Charges |
| | • | - Per Channel Termination | WMJ | None | None |
| | | | <u>USOC</u> | <u>Monthly</u> <u>Fixed</u> | Per MilCANCELLED |
| | в. (| Channel Mileage | | | |
| | : | 1. 2.4 kbps | | | APR 111995 BY 6 Th R. S. # 93 Envice Commission |
| | | Mileage Bands | | | BY GON Commission |
| | | 0 | 1L5XX | None | Public Service Commission MISSOURI |
| , | | Over 0 to 4 | 1L5XX | \$62.75 | \$2.25 |
| | | Over 4 to 8 | 1L5XX | 67.00 | 1.20 |
| | | Over 8 to 25 | 1L5XX | 70.45 | . 75 |
| | | Over 25 to 50 | 1L5XX | 73.85 | .60 |
| | | Over 50 | 1L5XX | 76.85 | .55 |

Issued: JAN 0 9 1995

Effective:

FEB 0.9 1995

By HORACE WILKINS, JR., President-Missouri Southwestern Bell Telephone St. Louis, Missouri

FEB - 9 1995

Access Services Tariff Section 7 4th Revised Sheet 93 Replacing 3rd Revised Sheet 93

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

AUG 9 1991

7.4 Rates and Charges-(Continued)

MISSOURI
Public Service Commission

7.4.6 MegaLink Data Service

(AT)

A. Channel Termination

- Per point of termination

 - 2.4 kbps
 T6ECS
 \$ 92.85
 (CR)\$273.00
 (NR)\$208.00

 - 4.8 kbps
 T6ECS
 94.00
 (CR) 279.00
 (NR) 213.00

 - 9.6 kbps
 T6ECS
 92.95
 (CR) 274.00
 (NR) 209.00

 - 56.0 kbps
 T6ECS
 171.35
 (CR) 324.00
 (NR) 249.00

(AT)

(AT)

Nonrecurring Charges

Inside Wire Charge
 Per Channel Termination

WMJ None

None

| | Monthly | 7 Rates |
|-------------|---------|----------|
| <u>USOC</u> | Fixed | Per Mile |

B. Channel Mileage

1. 2.4 kbps

Mileage Bands

| 0 | 1L5XX | None | None |
|----------------|---------------|--------------|--------|
| Over 0 to 4 | 1L5XX | \$62.75 | \$2.25 |
| Over 4 to 8 | 1L5 XX | 67.00 | 1.20 |
| Over 8 to 25 | 1L5XX | 70.45 | .75 |
| 0ver 25 to 50 | 1L5XX | 73.85 | .60 |
| Over 50 | 1L5XX | 76.85 | .55 |

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Public Service Commission
MISSOURI

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Issued: AUG 0 9 1991

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Access Services Tariff Section 7 3rd Revised Sheet 93 Replacing 2nd Revised Sheet 93

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|--------|--------|----|
| | | |

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7. SPECIAL ACCESS SERVICE-(Continued)

- Per point of termination

Over 50

SEP 25 1989

(F(') 7.4 Rates and Charges-(Continued)

A. Channel Termination

MESSOCIAL

Nonrecurring

Charges

.55

(CR)

(CT) 7.4.6 MegaLink Data Service

Public Service Commission

Monthly

Rates

| - 2.4 kbps - 4.8 kbps - 9.6 kbps - 56.0 kbps | T6ECS T6ECS T6ECS T6ECS | (CR)S 92.85 94.00 92.95 (CR) 171.35 | (CR) \$340.00 345.00 325.00 (CR) 355.00 |
|---|----------------------------------|--|--|
| 1. Inside Wire ChargePer Channel Termination | WMJ | None | None |
| | usoc | Month Fixed | ly Rates Per Mile |
| B. Channel Mileage | | | CANCELLED |
| 1. 2.4 kbps | | | SEP 3 0 1991 |
| Mileage Bands | | (Du) | BY 4th R.S. 93 Disc Service Commission |
| 0 | 1L5XX | None | MSSSOURI |
| Over 0 to 4 | 1L5XX | (CR)\$62.75 | (cx)\$2.23 |
| Over 4 to 8 | 1L5XX | 67.00 | 1.20 |
| Over 8 to 25 | 1L5XX | 70.45 | .75 |
| Over 25 to 50 | 1L5XX | 73.85 | .60 |

1L5XX

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(CR) 76.85

Access Services Tariff
Section 7
2nd Revised Sheet 93
Replacing 1st Revised Sheet 93

(CP)ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

JUN 27 1986

7.5 Rates and Charges-(Continued)

2 1 1500

7.5.7 Digital Data Service

MISSUURI
Public Service Commission

| Α. | Channel Termination | usoc | Monthly Rates | Charges |
|----|--|----------------------------------|--------------------------------------|--|
| | - Per point of termination | | | |
| | - 2.4 kbps - 4.8 kbps - 9.6 kbps - 56.0 kbps | T6ECS T6ECS T6ECS T6ECS | \$ 71.39 68.71 65.54 120.67 | \$148.00 148.00 148.00 224.00 |
| | Inside Wire ChargePer Channel Termination | LMW | None | None |
| | | USOC | Month Fixed | ly Rates Per Mile |
| | Channel Wilson | | | |

- B. Channel Mileage
 - 1. 2.4 kbps

Mileage Bands

| 0 | 1L5XX | None | None |
|---------------|-------|----------|--------|
| Over 0 to 4 | 1L5XX | \$ 96.26 | \$3.00 |
| Over 4 to 8 | 1L5XX | 102.24 | 1.49 |
| Over 8 to 25 | ll5XX | 105.79 | 1.05 |
| Over 25 to 50 | 1L5XX | 105.79 | 1.05 |
| Over 50 | 1L5XX | 105.79 | 1.05 |

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BY SERVICE COMMISSION

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JUL 1 1986 86-84 Public Service Commission

Issued: JUN 27 1983

Effective: JUL 1 1986

Access Services Tariff Section 7 1st Revised Sheet 93 Replacing Original Sheet 93

ACCESS SERVICES

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- SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Technical Service Descriptions for Special Access Service-(Continued) 1 (CO)
 - 7.2.1 Analog Services-(Continued)

i...ISSOUR! Public Service Commission

- F. Dedicated Access Line Service (DALS)-(Continued)
 - Facility Interface (FI) Codes

Dedicated Access Line Service is available with either loopstart or ground-start facility interfaces at the End User's premises. The codes for these are as follows:

(AT) (AT) 2LS2, 2GS2 or 2RV2 4LS2, 4GS2 or 4RV2

6. Application of Rates

See Paragraph 7.4.5, following, Rate Application Exception Rules, for the application of rates for this service.

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OCT 15 1984

AUG 1 5 1984 Issued:

Effective:

Access Services Tariff
Section 7
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ACCESS SERVICES

DEC 20 (203

- 7. SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Technical Service Descriptions for Special Access Service (Continued)
 - 7.2.1 Analog Services-(Continued)
 - F. Dedicated Access Line Service (DALS)-(Continued)
 - 5. Facility Interface (FI) Codes

Dedicated Access Line Service is available with either loopstart or ground-start facility interfaces at the End User's premises. The codes for these are as follows:

> 2LS2 or 2GS2 4LS2 or 4GS2

6. Application of Rates

See Paragraph 7.4.5, following, Rate Application Exception Rules, for the application of rates for this service.

BY PUBLIC SERVICE COMMISSION MISSON

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Section 7 5th Revised Sheet 94 Replacing 4th Revised Sheet 94

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rates and Charges-(Continued)
- 7.4.6 MegaLink Data(2) Service-(Continued)

(C)(CP)

Monthly Rates USOC Per Mile Fixed

- B. Channel Mileage-(Continued)
 - 2. 4.8 kbps(1)

- 3. 9.6 kbps(1)
 - 4. 19.2 kbps

Mileage Bands

| 0 | 1L5XX | None | None |
|---------------|-------|----------|--------|
| Over 0 to 4 | 1L5XX | \$126.30 | \$2.85 |
| Over 4 to 8 | 1L5XX | 126.30 | 2.85 |
| Over 8 to 25 | 1L5XX | 126.30 | 2.85 |
| Over 25 to 50 | 1L5XX | 126.30 | 2.85 |
| Over 50 | 1L5XX | 126.30 | 2.85 |

- (1) See Supplemental Schedule for current effective rates.
- (2) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(AT)

Access Services Tariff
Section 7
4th Revised Sheet 94
Replacing 3rd Revised Sheet 94

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rates and Charges-(Continued)
 - 7.4.6 Digital Data Service-(Continued)

Monthly Rates
USOC Fixed Per Mile

B. Channel Mileage-(Continued)

(AT) 2. 4.8 kbps(1)

(RT)
|
|
|
|
|
(RT)

(AT) 3. 9.6 kbps(1)

(RT)

(RT)

4. 19.2 kbps

Mileage Bands

| 0 | 1L5XX | None | None |
|---------------|-------|----------|--------|
| Over 0 to 4 | 1L5XX | \$126.30 | \$2.85 |
| Over 4 to 8 | 1L5XX | 126.30 | 2.85 |
| Over 8 to 25 | 1L5XX | 126.30 | 2.85 |
| Over 25 to 50 | 1L5XX | 126.30 | 2.85 |
| Over 50 | 1L5XX | 126.30 | 2.85 |

St. Louis, Missouri

(AT) (1) See Supplemental Schedule for current effective rates.

Issued: April 10, 1995

By HORACE WILKINS, JR., President-Missouri

Southwestern Bell Telephone

CANCELLED June 30, 2021 Missouri Public Service Commission JI-2021-0210

Access Services Tariff
Section 7
3rd Revised Sheet 94
Replacing 2nd Revised Sheet 94

ACCESS SERVICES

JAN - 9 1995

- 7. SPECIAL ACCESS SERVICE- (Continued)
- 7.4 Rates and Charges-(Continued)

MO. PUBLIC SERVICE COMM.

7.4.6 Digital Data Service-(Continued)

| | USOC | Monthly Fixed | Rates Per Mile |
|--|---------|------------------|-------------------|
| B. Channel Mileage-(Continued) | | | |
| | ×. | | |
| 2. 4.8 kbps | | | |
| Mileage Bands | | | |
| 0 | 1L5XX | None | None |
| Over 0 to 4 | 1L5XX | \$ 63.65 | \$1.70 |
| Over 4 to 8 | 1L5XX | 63.65 | 1.70 |
| Over 8 to 25 | 1L5XX | 68.85 | 1.05 |
| Over 25 to 50 | 1L5XX | 69.85 | 1.00 |
| Over 50 | 1L5XX | 69.85 | 1.00 |
| 3. 9.6 kbps | | | |
| Mileage Bands | | | |
| 0 | 1L5XX | None | None |
| Over 0 to 4 | 1L5XX | \$ 87.55 | \$2.65 |
| Over 4 to 8 | 1L5XX | 87.75 | 2.65 |
| Over 8 to 25 | 1L5XX | 91.95 | 2.10 |
| Over 25 to 50 | 1L5XX | 94.55 | 2.00 |
| Over 50 CANCELLED | 1L5XX | 94.55 | 2.00 |
| 4. 19.2 kbps | | | |
| Over 0 to 4 bublic Service Composer 4 to 8 bublic Service MISSOURI | nission | | |
| o By H Dice Com | 1L5XX | None | None |
| Over 0 to 4 hill ServisSOUKI | 1L5XX | \$126.30 | \$2.85 |
| Over 4 to 8 Unit MIS.30 | 1L5XX | 126.30 | 2.85 |
| Over 8 to 25 - | 1L5XX | 126.30 | 2.85 |
| Over 25 to 50 | 1L5XX | 126.30 | 2.85 |
| ~ ~~ | | | |

Issued: JAN 0 9 1995

Over 50

(AT)

Effective:

1L5XX

126.30

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2.85

By HORACE WILKINS, JR., President-Missouri Southwestern Bell Telephone St. Louis, Missouri

FEB - 9 1995

Access Services Tariff Section 7 2nd Revised Sheet 94 Replacing 1st Revised Sheet 94

ACCESS SERVICES

| 7. | SPECIAL | ACCESS | SERVICE-(Continued) |
|----|---------|--------|---------------------|
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| 7.4 Rates and Charges-(Continued) | | SEP | 25 1989 |
|---|--|---|--|
| 7.4.6 MegaLink Data Service-(Continued) |) | | COUNT Ce Commissi <mark>o</mark> r |
| | usoc | Month1 Fixed | y Rates Per Mile |
| B. Channel Mileage-(Continued) | | | |
| 2. 4.8 kbps | | | |
| Mileage Bands | | | |
| Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 3. 9.6 kbps | 1L5XX 1L5XX 1L5XX 1L5XX 1L5XX 1L5XX | None (CR)\$ 63.65 63.65 68.85 69.85 (CR) 69.85 | None (CR)\$1.70 1.70 1.05 1.00 (CR) 1.00 |
| Mileage Bands | | | |
| 0 0ver 0 to 4 0ver 4 to 8 0ver 8 to 25 0ver 25 to 50 0ver 50 | 1L5XX 1L5XX 1L5XX 1L5XX 1L5XX 1L5XX | None (CR)\$ 87.55 87.75 91.95 94.55 (CR) 94.55 | None (CR) \$2.65 2.65 2.10 2.00 (CR) 2.00 |

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FEB 9-1995 Public Service Commission MISSOURI

^EP 2 5 1989 Issued:

Effective:

OCT 1 1989

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(CP)ACCESS SERVICES

No supplement to this tariff will be issued except for the purpose of canceling this tariff.

Access Services Tariff Section 7 1st Revised Sheet 94 Replacing Original Sheet 94

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JUN 27 1986

MI220AKI Public Service Commission

7.5 Rates and Charges-(Continued)

7.5.7 Digital Data Service-(Continued)

SPECIAL ACCESS SERVICE-(Continued)

Monthly Rates USOC Fixed Per Mile

- Channel Mileage-(Continued)
 - 4.8 kbps

Mileage Bands

| 0 | 1L5XX | None | None |
|--------------------|------------------------|----------|--------|
| Over 0 to 4 | 1L5XX | \$ 98.48 | \$2.80 |
| Over 4 to 8 | 1 <u>L</u> 5 XX | 98.48 | 2.80 |
| Over 8 to 25 | 1L5XX | 109.11 | 1.46 |
| Over 25 to 50 | 1L5XX | 109.11 | 1.46 |
| Over 50 | 1L5XX | 109.11 | 1.46 |

9.6 kbps

Mileage Bands

| 0 | 1L5XX | None | None |
|---------------|-------|----------|--------|
| Over 0 to 4 | 1L5XX | \$133.32 | \$4.20 |
| Over 4 to 8 | 1L5XX | 133.32 | 4.20 |
| Over 8 to 25 | 1L5XX | 133.32 | 4.20 |
| Over 25 to 50 | 1L5XX | 133.32 | 4.20 |
| Over 50 | 1L5XX | 133.32 | 4.20 |

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Mi 1 1986 86-84 Public Service Commission

Issued: JUN 27 1986

1 1986 Effective: JUL

ACCESS SERVICES

DEC 20 400

Original Sheet 94

Access Services Tariff

Section 7

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Services (Gontinued)
 - 7.2.2 Digital Services
 - A. Wideband Digital Services
 - 1. Wideband Digital 1 (WD1) Special Access Service
 - a. Description

Special Access Service WD1 provides a channel for the transmission of 19.2 kbps synchronous serial data between an IC terminal location and an End User's premises. Optional arrangements are available for transmission at 18.75 kbps or for transmission of nonsynchronous data with a minimum signal element width of 52 microseconds. A voiceband coordinating channel can be provided with this service at rates as specified for the specific VG service required by the customer.

b. Illustrative Applications

The nonsynchronous option is suitable for use as part of the facilities required to provide intrastate facsimile transmission.

- c. Transmission Performance
 - Error-Free Seconds

While in service, the monthly average of the error-free seconds will be equal to or greater than 98.75 percent.

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JUL 1 1986

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Issued: DEC 2 9 1983

Effective: JAN 0 1 1984

Southwestern Bell Telephone

Section 7 9th Revised Sheet 95 Replacing 8th Revised Sheet 95

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
 - 7.4 Rates and Charges-(Continued)

Company d/b/a AT&T Missouri

7.4.6 MegaLink Data(2) Service-(Continued)

(CP)

Monthly Rates
USOC Fixed Per Mile

None

None

- B. Channel Mileage-(Continued)
 - 5. 56 kbps(1)
 - 6. 64 kbps (CC)

| Mileage Bands |
|---------------|
| 0 |
| Over 0 to 4 |

| • | 120/01 | 140110 | 140110 |
|---------------|--------|----------|---------|
| Over 0 to 4 | 1L5XX | \$184.75 | \$ 9.35 |
| Over 4 to 8 | 1L5XX | 184.75 | 9.35 |
| Over 8 to 25 | 1L5XX | 184.75 | 9.35 |
| Over 25 to 50 | 1L5XX | 184.75 | 9.35 |
| Over 50 | 1L5XX | 184.75 | 9.35 |
| | | | |

11 5XX

| | Monthly | Nonrecurring |
|------|---------|-------------------|
| USOC | Rates | Charges |
| | | 1st Ckt Addl. Ckt |

C. Service to Service Through Connect Arrangement

Interconnection of two

subtending digital channels

(Derived from DS1 multi-plexers) THK None \$91.00 \$81.00

D. Optional Features, BSEs and Functions

Nonrecurring Charges

1. Bridging

Issued: May 28, 2021

- Per port BCNDA

BCNDA \$19.50

None

- (1) See Supplemental Schedule for current effective rates.
- (2) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

Effective: June 30, 2021

(AT)

(AT)

Access Services Tariff
Section 7
8th Revised Sheet 95
Replacing 7th Revised Sheet 95

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

7.4.6 MegaLink Data Service-(Continued)

Monthly Rates
USOC Fixed Per Mile

B. Channel Mileage-(Continued)

(AT) 5. 56 kbps(1)

(RT)

(RT)

6. 64 kbps (CC)

| Mileage Ba | <u>ands</u> |
|------------|-------------|
| 0 | |

| 0 | 1L5XX | None | None |
|---------------|-------|----------|---------|
| Over 0 to 4 | 1L5XX | \$184.75 | \$ 9.35 |
| Over 4 to 8 | 1L5XX | 184.75 | 9.35 |
| Over 8 to 25 | 1L5XX | 184.75 | 9.35 |
| Over 25 to 50 | 1L5XX | 184.75 | 9.35 |
| Over 50 | 1L5XX | 184.75 | 9.35 |

| | Monthly | Nonrecurring |
|-------------|---------|-------------------|
| <u>USOC</u> | Rates | Charges |
| | | 1st Ckt Addl. Ckt |

C. Service to Service Through Connect Arrangement

Interconnection of two

subtending digital channels (Derived from DS1 multi-

plexers) THK None \$91.00 \$81.00

D. Optional Features, BSEs

and Functions

Nonrecurring

Charges

1. Bridging

- Per port BCNDA \$19.50 None

(AT) (1) See Supplemental Schedule for current effective rates.

Issued: April 10, 1995 Effective: April 11, 1995

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Access Services Tariff Section 7 7th Revised Sheet 95 Replacing 6th Revised Sheet 95

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE- (Continued)

JAN - 9 1995

7.4 Rates and Charges-(Continued)

7.4.6 MegaLink Data Service-(Continued)

MO. PUBLIC SERVICE COMM.

| | | | | Month] | <u>ly Rates</u> |
|-----|----|-----------------------------|-------------|--------------|-------------------|
| | | | <u>USOC</u> | <u>Fixed</u> | Per Mile |
| | В. | Channel Mileage-(Continued) | | | |
| FC) | | 5. 56 kbps | | | |
| | | Mileage Bands | | | |
| | | 0 | 1L5XX | None | None |
| | | Over 0 to 4 | 1L5XX | \$134.85 | \$ 8.10 |
| | | Over 4 to 8 | 1L5XX | 145.15 | 5.55 |
| | | Over 8 to 25 | 1L5XX | 160.65 | 3.60 |
| | | Over 25 to 50 | 1L5XX | 160.65 | 3.60 |
| | | Over 50 | 1L5XX | 161.00 | 3.60 |
| AT) | | 6. 64 kbps (CC) | | | |
| Ì | | Mileage Bands | | | |
| | | 0 | 1L5XX | None | None |
| 1 | | Over 0 to 4 | 1L5XX | \$184.75 | \$ 9.35 |
| 1 | | Over 4 to 8 | 1L5XX | 184.75 | 9.35 |
| | | Over 8 to 25 | 1L5XX | 184.75 | 9.35 |
| | | Over 25 to 50 | 1L5XX | 184.75 | 9.35 |
| AT) | | Over 50 | 1L5XX | 184.75 | 9.35 |
| | | | | Monthly | Nonrecurring |
| | | | <u>USOC</u> | Rates | Charges |
| | | | | CELLED | 1st Ckt Addl. Ckt |
| | | | CHIA | | |

C. Service to Service Through Connect Arrangement

> Interconnection of two subtending digital channels (Derived from DS1 multiplexers)

D. Optional Features, BSEs and Functions

APR 111995 \$91.00 \$81.00

> Nonrecurring Charges

1. Bridging - Per port

BCNDA

\$19.50

Effective:

FEB - 9 1995

HORACE WILKINS, JR., President-Missouri Southwestern Bell Telephone St. Louis, Missouri

Access Services Tariff Section 7 6th Revised Sheet 95 Replacing 5th Revised Sheet 95

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

MAR 29 1993

7.4 Rates and Charges-(Continued)

MISSOURI

7.4.6 MegaLink Data Service-(Continued)

Public Sarvice Commission

| | | | Month | ly Rates |
|----|-----------------------------|------|-------|----------|
| | | USOC | Fixed | Per Mile |
| В. | Channel Mileage-(Continued) | | | |

4. 56 kbps

| Mileage Bands | | | |
|---------------|-------|----------|---------|
| 0 | 1L5XX | None | None |
| Over 0 to 4 | 1L5XX | \$134.85 | \$ 8.10 |
| Over 4 to 8 | 1L5XX | 145.15 | 5.55 |
| Over 8 to 25 | 1L5XX | 160.65 | 3.60 |
| Over 25 to 50 | 1L5XX | 160.65 | 3.60 |
| 0ver 50 | 1L5XX | 161.00 | 3.60 |
| | | .1.1 | |

| | Monthly | Nonrec | urring | |
|------|---------|---------|--------|-----|
| USOC | Rates | Char | | |
| | | 1st Ckt | Addl. | Ckt |

C. Service to Service Through Connect Arrangement

> Interconnection of two subtending digital channels (Derived from DS1 multiplexers)

THK

None \$91.00 \$81.00

CANCELLED

FEB 9-1995

(AT) Optional Features, BSEs and Functions

- Per port

1. Bridging

Charges

BCNDA ublic Service Commission

None

Nonrecurring

FILED

APR 1 1 1993

MO. PUBLIC SERVICE COMM.

Issued: MAR 2 6 1993

Effective:

APR 1 1 1993

Access Services Tariff Section 7 5th Revised Sheet 95 Replacing 4th Revised Sheet 95

ACCESS SERVICES

RECEIVED

SPECIAL ACCESS SERVICE-(Continued)

AUG 9 1991

7.4 Rates and Charges-(Continued)

7.4.6 MegaLink Data Service-(Continued)

MISSOURI Public Service Commission

Monthly Rates Per Mile USOC Fixed Channel Mileage-(Continued)

4. 56 kbps

Mileage Bands 1L5XX None None Over 0 to 4 1L5XX \$134.85 \$ 8.10 Over 4 to 8 1L5XX 145.15 5.55 Over 8 to 25 160.65 1L5XX 3.60 Over 25 to 50 1L5XX 160.65 3.60 Over 50 1L5XX 161.00 3.60

> Monthly Nonrecurring **USOC** Rates Charges Addl. Ckt 1st Ckt

Service to Service Through Connect Arrangement

> Interconnection of two subtending digital channels (Derived from DS1 multiplexers)

Optional Features and Functions

(AT) (AT)

(AT)

Bridging - Per port THK

St Louis Missouri

None

(CR) 91.00 (NR) 81.00

CANCELLED

APR 11 1993 # Public Service Commission

Nonrecurring Charges

MICSOURI \$19.50 BCNDA

None

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Issued: TUS 0 9 1991

Effective: SEP 0 9 1991 \$EP 3 0 1991

Access Services Tariff
Section 7
4th Revised Sheet 95
Replacing 3rd Revised Sheet 95

ACCESS SERVICES

RECEIVED

SPECIAL ACCESS SERVICE-(Continued)

FEB 20 1990

7.4 Rates and Charges-(Continued)

1 50 50 1330

7.4.6 MegaLink Data Service-(Continued)

MISSOURI
Public Service Commission

| | В. | Channel Mileage-(Continued) | usoc | Honthly Ra Fixed Pe | tes r Mile |
|------|----|---|--|---------------------------|---|
| | | 4. 56 kbps | | | |
| | | Mileage Bands Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 | 1L5XX 1L5XX 1L5XX 1L5XX 1L5XX 1L5XX | | None 8 8.10 5.55 3.60 3.60 |
| | | | usoc | Monthly Rates | Nonrecurring Charges |
| (AT) | c. | Service to Service Through Connect Arrangement | | CAP | NCELLED |
| | | Interconnection of two subtending digital channels (Derived from DS1 multi- plexers) | ТИК | BY <u>-</u> FNOTEC Ser | P 3 0 1991 5th R.S. [#]95 vi (MR) Coll1941 99 ion ISSOURI |
| (FC) | D. | Optional Features and Functions | | | |
| | | 1. Bridging- Per port | BCNDA | \$19.50 | None |
| (HT) | | | | | |

(HT)

Issued: FEB 2 2 1990

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Access Services Tariff
Section 7
3rd Revised Sheet 95
Replacing 2nd Revised Sheet 95
through 2nd Revised Sheet 96

ACCESS SERVICES

HEAC

SPECIAL ACCESS SERVICE-(Continued)

SEP 25 1989

(FC) 7.4 Rates and Charges-(Continued)

(RT)

Missouri

(CT). 7.4.6 MegaLink Data Service-(Continued)

Public Service Commission

Monthly Rates

| в. с | Channel Mileage-(Conting | WLED | USO | <u> </u> | Fixed | Per M | ile |
|------|---|-------------|---|-----------------|--|----------------------|---|
| | Channel Mileage-(Continger) 5.56 kbps Mileage Bands Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 | COMINGSOUTH | 5 5xx 5xx 5xx 5xx 5xx 5xx | (CR) | None \$134.85 145.15 160.65 160.65 161.00 | | None \$ 8.10 5.55 3.60 3.60 3.60 |
| | 30 | 16 | JAA | (CK) | 101.00 | (CR) | 3.00 |
| | ptional Features and Functions | USOC | | Monthl Rates | • | Nonrecurr Charges | ~ |
| 1. | Bridging - Per port | BCNDA | (CR) | \$19.5 | 0 | None | |
| 2. | Loop Transfer Arrangement (key activated(1)) - Per four port arrangement(2) | XTD | (CR) | 64.2 | 5 | (NR) 40. | 00 |
| 3. | Secondary Channel Capability - Per Channel termination | ECA. | | 12.0 | .0 | (CD) 125 | 00/2 |
| | (ermina(10n | SCA | | 12.0 | ıU | (CR) 125. | 00(3) |

(1) The key activated control channel is rated as a metallic channel termination (use USOC T6EME in lieu of T6ECS) and channel mileage, if applicable (use USOC 1L5MX in lieu of 1L5XX).

(2) An additional Channel Termination Charge will apply whenever a spare channel is configured as a leg to the customer's premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer premises serving wire center.

(AT) (3) Nonrecurring charge applies only if secoindary channel capablility is installed subsequent to initial installation of Megalink channel remainstance.

Issued: SEP 2 5 1989 Effective: OCT 1 1989 OCT 1 1989

В.

Access Services Tariff
Section 7
2nd Revised Sheet 95
Replacing 1st Revised Sheet 95

ACCESS SERVICES

RECEIVED

SPECIAL ACCESS SERVICE-(Continued)

7.5 Rates and Charges-(Continued)

SEP 17 1987

7.5.7 Digital Data Service-(Continued)

MISSOURI Monthly Rates blic Service Commission

| Channel Mileage-(Continued) | USOC | Fixed | Per Mile | |
|---|-------------------------|----------------------------|----------------------------------|-----------|
| 4. 56 kbps | | | | |
| Mileage Bands O Over 0 to 4 Over 4 to 8 | 1L5XX 1L5XX 1L5XX | None \$192.67 215.82 | None \$15.00 9.22 | |
| Over 8 to 25 Over 25 to 50 | 1L5XX 1L5XX | 240.81 240.81 | 6.09 6.09 | |
| Over 50 | 1L5XX | 240.81 | 6.09 | |
| C. Optional Features and Functions | USOC | Monthly Rates | Nonrecurring Charges | |
| 1. Bridging - Per port | BCNDA | \$14.37 | None NOTILES | _ |
| Loop Transfer Arrangement (key activated(1)) Per four port arrangement(2) | XTD | 10.26 | Public States Cours | i rockion |
| 3. Secondary ChannelCapabilityPer Channeltermination | SCA | 12.00 | INITIAL SUBSEQUENT 13.00 105.00 | |
| | | | | |

(1) The key activated control channel is rated as a metallic channel termination (use USOC T6EME in lieu of T6ECS) and channel mileage, if applicable (use USOC 1L5MX in lieu of 1L5XX).

(2) An additional Channel Termination Charge will apply whenever a spare channel is configured as a leg to the customer's premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer premises serving wire center.

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Issued:SEP 18 1987

(NR)

Effective: OCT 19 1987

OCT 19 1987

Access Services Tariff Section 7 1st Revised Sheet 95

Replacing Original Sheet 95

(CP)ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.5 Rates and Charges-(Continued)

7.5.7 Digital Data Service-(Continued)

REGEIVED

JUN 27 1986

MISSUURI Public Sergice Commission

USOC

Fixed

Per Mile

- Channel Mileage-(Continued)
 - 4. 56 kbps

Mileage Bands

| 0 | 1L5XX | None | None |
|---------------|---------------|----------|---------|
| Over 0 to 4 | 1L5XX | \$192.67 | \$15.00 |
| Over 4 to 8 | 1L5XX | 215.82 | 9.22 |
| Over 8 to 25 | 1L5XX | 240.81 | 6.09 |
| Over 25 to 50 | 1L5 XX | 240.81 | 6.09 |
| Over 50 | 1L5XX | 240.81 | 6.09 |

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Monthly Rates

Nonrecurring Charges

Optional Features and Functions

OCT 19 1987 BY2 ml P.S. # 95

Bridging - Per port Public Service Commission MISSOURBONDA

\$14.37

None

2. Loop Transfer Arrangement (key activated(1))

> - Per four port arrangement(2)

XTD

10.26 None

(1) The key activated control channel is rated as a metallic channel terming a nation (use USOC T6EME in lieu of T6ECS) and channel mileage, if applicable (use USOC 11.5MX in lieu of 11.5XX).

(2) An additional Channel Termination Charge will apply whenever a spare channelsion is configured as a leg to the customer's premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer premises serving wire center.

Issued: JUN 27 1986

Effective:

JUL

Access Services Tariff
Section 7
Original Sheet 95

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

DEC 20 1003

- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.2 Digital Services-(Continued)
 - A. Wideband Digital Services-(Continued)
 - 1. Wideband Digital 1 (WD1) Special Access Service-(Continued)
 - d. Available Facility Interface Combinations

| <u> </u> | End User |
|----------|----------|
| 8WB5-19S | 12WC6-19 |
| 8WB5-18S | 12WC6-18 |
| 8WB5-19A | 10WC6-19 |

- 2. Wideband Digital 2 (WD2) Special Access Service
 - a. Description

Special Access Service WD2 provides a channel for the transmission of 50 kbps synchronous or isochronous serial data between an IC terminal location and an End User's premises. Optional arrangements are available for transmission of synchronous serial data at 40.8 kbps or for transmission of nonsynchronous data with a minimum signal element width of 20 microseconds. An arrangement may also be included to accommodate the nonsimultaneous transmission of signal and supervisory tones between the frequencies of 300 and 3000 Hz. A voiceband coordinating channel can be provided with this service at rates as specified for the specific Voice Grade service required by the customer.

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JUL 1 1986

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PUBLIC SERVICE COMMISSION

OF MISSOURI

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Issued: DEC 2 9 1983

Effective: JAN 0 1 1994

ACCESS SERVICES TARIFF

Southwestern Bell Telephone Company d/b/a AT&T Missouri

Section 7 5th Revised Sheet 96 Replacing 4th Revised Sheet 96

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rates and Charges-(Continued)

Issued: May 28, 2021

7.4.6 MegaLink Data(4) Service-(Continued)

(CP)

D. Optional Features, BSEs and Functions-(Continued)

| | USOC | Monthly <u>Rates</u> | Nonrecurring <u>Charges</u> |
|--|------|-------------------------|--------------------------------|
| 2. Loop Transfer Arrangement (key activated(1)) - Per four port arrangement(2) | XTD | \$64.25 | \$40.00 |
| 3. Secondary Channel Capability - Per Channel termination | SCA | 12.00 | 125.00(3) |

- (1) The key activated control channel is rated as a metallic channel termination (use USOC T6EME in lieu of T6ECS) and channel mileage, if applicable (use USOC 1L5MX in lieu of 1L5XX).
- (2) An additional Channel Termination Charge will apply whenever a spare channel is configured as a leg to the customer's premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer premises serving wire center.
- (3) Nonrecurring charge applies only if secondary channel capability is installed subsequent to initial installation of MegaLink channel termination.
- (4) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. (AT) In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-tomonth basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (AT)

Effective: June 30, 2021

Access Services Tariff
Section 7
4th Revised Sheet 96
Replacing 3rd Revised Sheet 96

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rates and Charges-(Continued)
- 7.4.6 MegaLink Data Service-(Continued)
- (AT) D. Optional Features, BSEs and Functions-(Continued)

| | <u>USOC</u> | Monthly Rates | Nonrecurring Charges |
|--|-------------|---------------|----------------------|
| 2. Loop Transfer Arrangement (key activated(1)) - Per four port arrangement(2) | XTD | \$64.25 | \$40.00 |
| 3. Secondary ChannelCapability- Per Channeltermination | SCA | 12.00 | 125.00(3) |

- (1) The key activated control channel is rated as a metallic channel termination (use USOC T6EME in lieu of T6ECS) and channel mileage, if applicable (use USOC 1L5MX in lieu of 1L5XX).
- (2) An additional Channel Termination Charge will apply whenever a spare channel is configured as a leg to the customer's premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer premises serving wire center.
- (3) Nonrecurring charge applies only if secondary channel capability is installed subsequent to initial installation of MegaLink channel termination.

Issued: March 26, 1993 Effective: April 11, 1993

Access Services Tariff
Section 7
3rd Revised Sheet 96
Replacing 2nd Revised Sheet 96

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

FEB 20 1990

7.4 Rates and Charges-(Continued)

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7.4.6 MegaLink Data Service-(Continued)

MISSOURI
Public Service Commission

D. Optional Features and Functions-(Continued)

| | | usoc | Monthly Rates | Nonrecurring Charges |
|----|---|------|------------------|-------------------------|
| 2. | Loop Transfer Arrangement (key activated(1)) - Per four port arrangement(2) | XTD | 64.25 | 40.00 |
| 3. | Secondary Channel Capability - Per Channel termination | SCA | 12.00 | 125.00(3) |

CANCELLED

APR 11 1993

BY HAR. S. #96

Public Service Commission
MISSOURI

- (1) The key activated control channel is rated as a metallic channel termination (use USOC T6EME in lieu of T6ECS) and channel mileage, if applicable (use USOC 1L5MX in lieu of 1L5XX).
- (2) An additional Channel Termination Charge will apply whenever a spare channel is configured as a leg to the customer's premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer premises serving wire center.
- (3) Nonrecurring charge applies only if secondary channel capability is installed subsequent to initial installation of MegaLink channel termination.

Issued: FEB 2 2 1990 Effective: MAR 2 6 1990

MAR 26 1990

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Access Services Tariff
Section 7
2nd Revised Sheet 96
Replacing 1st Revised Sheet 96

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

JUN 22 1988

7.5 Rates and Charges-(Continued)

MISSOURI
Public Service Commission

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MAR 26 1990
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BY 300 RS #96
Public Service Commission
MISSOURI

(RT)

Issued:

JUN 2 2 1988

Effective:

JUL 8 1988

FILED

By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

JUL 8 1988

Public Service Commission

(CP)ACCESS SERVICES

No supplement to this tariff will be issued except for the purpose of canceling this tariff. Access Services Tariff Section 7

1st Revised Sheet 96 Replacing Original Sheet 96

REGEIVED

MISSUURI **Public Service Commission**

7.5 Rates and Charges-(Continued)

SPECIAL ACCESS SERVICE-(Continued).

7.5.7 Digital Data Service-(Continued)

| | | USOC | Monthly Rates | Nonrecurrin Charges |
|----|---|-------|------------------|------------------------|
| D. | Channel Service Unit(1) | | | |
| | Per point of termination where provided | • | | |
| | - 2.4 kbps | TSH24 | \$35.59 | None |
| | - 4.8 kbps | TSH48 | 36.08 | None |
| | - 9.6 kbps | TSH96 | 37.85 | None |
| | - 56.0 kbps | TSH56 | 44.24 | None |
| | | | | |

CANCELLED Public Service Commission

JH 1 1986

86-84

(1) Channel service units will only be provided under tariff if in the Telephone Company's inventory as of November 18, 1983.

Issued:

JUN 27 1986

Effective: JUL 1 1986

Access Services Tariff
Section 7
Original Sheet 96

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

DEC 30 (000

Public Service Commission [

- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.2 Digital Services-(Continued)
 - A. Wideband Digital Services-(Continued)
 - 2. Wideband Digital 2 (WD2) Special Access Service-(Continued)
 - b. Illustrative Application

Special Access Service WD2 is suitable for use as part of the facilities required to provide intrastate facsimile transmission.

- c. Transmission Performance
 - Error-Free Seconds

While in service, the monthly average of the error-free seconds will be equal to or greater than 98.75 percent.

d. Available Facility Interface Combinations

| End User |
|----------|
| 12WC6-50 |
| 12WC6-40 |
| 10WC6-50 |
| |

CANGELLED

JUL 1 1986

PUBLIC SERVICE COMMISSION

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Issued: DEC 29 1983

Effective:

JAN 0-1-1984

Over 50

Pursuant to Section 392.510.3, R.S.Mo. 1994

Section 7 1st Revised Sheet 96.1 Southwestern Bell Telephone Company d/b/a AT&T Missouri Replacing Original Sheet 96.1

ACCESS SERVICES

| MEGALINK DATA(1) SERVICE | | | | | (CP) |
|---|--|--|--------------------------------------|----------------------------|------|
| | <u>USOC</u> | Monthly <u>Rates</u> | Nonrecuri Charg 1st Ckt Ad | <u>ges</u> | |
| A. Channel Termination - Per point of termination | | | | | |
| - 4.8 kbps - 9.6 kbps - 56.0 kbps | T6ECS T6ECS T6ECS | 94.00 92.95 171.35 | 279.00 274.00 324.00 | 213.00 209.00 249.00 | (RT) |
| | USOC | | y Rates Per Mile | _ | |
| B. Channel Mileage | | | | | |
| 1. 2.4 kbps | | | | | |
| Mileage Bands | | | | | |
| 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 | 1L5XX 1L5XX 1L5XX 1L5XX 1L5XX 1L5XX | None \$62.7 67.00 70.45 73.85 76.85 | 5 \$2.25 0 1.20 5 .75 5 .60 | | |
| 2. 4.8 kbps | | | | | |
| Mileage Bands | | | | | |
| 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 | 1L5XX 1L5XX 1L5XX 1L5XX 1L5XX | None \$ 63.65 63.65 68.85 69.85 | 5 \$1.70 5 1.70 5 1.05 | | |

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. (AT) In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-tomonth basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (AT)

1L5XX

1.00

69.85

Issued: May 28, 2021 Effective: June 30, 2021

Access Services Tariff Section 7 Supplemental Schedule Original Sheet 96.01

ACCESS SERVICES

MEGALINK DATA SERVICE

| MEGALINK DATA SERVICE | | | | |
|--|--|--|--|--|
| | <u>USOC</u> | Monthly Rates | Nonrecui Charg | ges |
| | | | 1st Ckt A | ddl. Ckt |
| A. Channel Termination | | | | |
| - Per point of termination | | | | |
| - 2.4 kbps - 4.8 kbps - 9.6 kbps - 56.0 kbps | T6ECS T6ECS T6ECS T6ECS | \$ 92.85 94.00 92.95 171.35 | \$273.00 279.00 274.00 324.00 | \$208.00 213.00 209.00 249.00 |
| | <u>USOC</u> | Month Fixed | ly Rates Per Mile | |
| B. Channel Mileage | | | | |
| 1. 2.4 kbps | | | | |
| Mileage Bands | | | | |
| 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 | 1L5XX 1L5XX 1L5XX 1L5XX 1L5XX 1L5XX | None \$62.7 67.00 70.45 73.85 76.85 | 5 \$2.25 0 1.20 5 .75 5 .60 | |
| 2. 4.8 kbps | | | | |
| Mileage Bands | | | | |
| 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 | 1L5XX 1L5XX 1L5XX 1L5XX 1L5XX 1L5XX | None \$ 63.6 63.65 68.85 69.85 | 5 \$1.70 5 1.70 5 1.05 5 1.00 | |
| Pursuant to Section 392.510.3, R.S.Mo. 1994 | | | | |

Issued: April 10, 1995 Effective: April 11, 1995

Southwestern Bell Telephone Company d/b/a AT&T Missouri

Section 7 1st Revised Sheet 96.2 Replacing Original Sheet 96.2

ACCESS SERVICES

| MEGALINK DATA(1) SERVICE | | Monthly Rates | (CP) |
|--|--|--|------|
| B. Channel Mileage-(Continued) | <u>USOC</u> | <u>Fixed</u> <u>Per Mile</u> | |
| 3. 9.6 kbps | | | |
| Mileage Bands | | | |
| 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 4. 56 kbps | 1L5XX 1L5XX 1L5XX 1L5XX 1L5XX 1L5XX | None None \$ 87.55 \$2.65 87.75 2.65 91.95 2.10 94.55 2.00 94.55 2.00 | |
| Mileage Bands | | | |
| 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 | 1L5XX 1L5XX 1L5XX 1L5XX 1L5XX | None None \$134.85 \$8.10 145.15 5.55 160.65 3.60 160.65 3.60 | |

161.00

3.60

1L5XX

Pursuant to Section 392.510.3, R.S.Mo. 1994

Over 50

(1) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. (AT) In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-tomonth basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

Issued: May 28, 2021 Effective: June 30, 2021

Access Services Tariff Section 7 Supplemental Schedule Original Sheet 96.02

ACCESS SERVICES

MEGALINK DATA SERVICE

| EGALINK DATA SERVICE | | Monthly Rates |
|---|--|--|
| B. Channel Mileage-(Continued) | <u>USOC</u> | Fixed Per Mile |
| 3. 9.6 kbps | | |
| Mileage Bands | | |
| Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 4. 56 kbps Mileage Bands | 1L5XX 1L5XX 1L5XX 1L5XX 1L5XX 1L5XX | None None \$ 87.55 \$2.65 87.75 2.65 91.95 2.10 94.55 2.00 94.55 2.00 |
| 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 | 1L5XX 1L5XX 1L5XX 1L5XX 1L5XX 1L5XX | None None \$134.85 \$8.10 145.15 5.55 160.65 3.60 160.65 3.60 161.00 3.60 |

Pursuant to Section 392.510.3, R.S.Mo. 1994

Issued: April 10, 1995 Effective: April 11, 1995

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(CONTINUED)
- 7.4 Rates and Charges-(Continued)
- 7.4.7 High Capacity Service

| 7.4.7 High Capacity Service | | |
|---|---|------|
| | Monthly Nonrecurring USOC Rates Charges 1st Ckt Addl. Ckt | |
| A. Channel Termination | | |
| - Per point of termination | | |
| - 1.544 Mbps(1) | | |
| - 44.736 Mbps | TWT++ ICB ICB ICB | |
| B. Channel Mileage | Monthly Rates USOC Fixed Per Mile | |
| 1. 64 Kbps(2)(3) | | (CP) |
| Mileage Bands | | |
| 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 | 1L5TC None None 1L5XX 56.65 \$2.50 1L5XX 57.50 2.40 1L5XX 57.60 2.40 1L5XX 57.00 2.35 1L5XX 57.00 2.35 | |

- (1) See Supplemental Schedule for current effective rates.
- (2) Available only as a channel of a 1.544 Mbps facility to a SWBT Digital Data Hub or as a cross connect of two channels of two 1.544 Mbps facilities to a Digital Data Hub(s). The customer must provide system and channel assignment data.
- (3) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. (AT) In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-tomonth basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (AT)

Access Services Tariff
Section 7
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Replacing 6th Revised Sheet 97

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(CONTINUED)
- 7.4 Rates and Charges-(Continued)
- 7.4.7 High Capacity Service

| | Monthly | Nonrecurring |
|-------------|---------|-------------------|
| <u>USOC</u> | Rates | <u>Charges</u> |
| | | 1st Ckt Addl. Ckt |

- A. Channel Termination
 - Per point of termination
- (CP) 1.544 Mbps(1)
 - 44.736 Mbps TWT++ ICB ICB ICB

<u>Monthly Rates</u> <u>USOC</u> <u>Fixed</u> <u>Per Mile</u>

- B. Channel Mileage
- (FC) 1. 64 Kbps(2)

Mileage Bands

| 0 | 1L5TC | None | None |
|---------------|-------|-------|--------|
| Over 0 to 4 | 1L5XX | 56.65 | \$2.50 |
| Over 4 to 8 | 1L5XX | 57.50 | 2.40 |
| Over 8 to 25 | 1L5XX | 57.60 | 2.40 |
| Over 25 to 50 | 1L5XX | 57.00 | 2.35 |
| Over 50 | 1L5XX | 57.00 | 2.35 |

- (AT) (1) See Supplemental Schedule for current effective rates.
- (FC) (2) Available only as a channel of a 1.544 Mbps facility to a SWBT Digital Data Hub or as a cross connect of two channels of two 1.544 Mbps facilities to a Digital Data Hub(s). The customer must provide system and channel assignment data.

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ACCESS SERVICES

SPECIAL ACCESS SERVICE- (CONTINUED)

JAN - 9 1995

7.4 Rates and Charges-(Continued)

7.4.7 High Capacity Service

MO. PUBLIC SERVICE COMM.

| | | USOC | Monthly <u>Rates</u> | Nonrecu <u>Char</u> | чев |
|----|----------------------------|-----------|-------------------------|------------------------|------------|
| | | | | 1st Ckt | Addl. Ckt |
| A. | Channel Termination | | | | |
| | - Per point of termination | | | | |
| | - 1.544 Mbps | TMECS | \$225.00 | 569.0 | 0 \$368.00 |
| | - 44.736 Mbps | TWT++ | ICB | ICB | ICB |
| | | | | ly Rates | |
| В. | Channel Mileage | <u>US</u> | OC Fix | <u>ced</u> <u>Pe</u> | er Mile |
| ъ. | Chamiel Mileage | | | | |
| | 1. 64 Kbps* | | | | |
| | Mileage Bands | | | | |

Wileage Rangs

(AT)

| | 0 | 1L5TC | None | None |
|------|----------|-------|-------|--------|
| Over | 0 to 4 | 1L5XX | 56.65 | \$2.50 |
| Over | 4 to 8 | 1L5XX | 57.50 | 2.40 |
| Over | 8 to 25 | 1L5XX | 57.60 | 2.40 |
| Over | 25 to 50 | 1L5XX | 57.00 | 2.35 |
| Over | 50 | 1L5XX | 57.00 | 2.35 |

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(AT) *Available only as a channel of a 1.544 Mbps facility to a SWBT Digital Data Hub or as a cross connect of two channels of two 1.544 Mbps facilities to a Digital Data Hub(s). The customer must provide system and channel assignmen

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By HORACE WILKINS, JR., President-Missouri Southwestern Bell Telephone St. Louis, Missouri

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ACCESS SERVICES

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| 7. | SPECIAL | ACCESS | SERVICE- | (CONTINUED) |) |
|----|---------|--------|----------|-------------|---|
|----|---------|--------|----------|-------------|---|

7.4 Rates and Charges-(Continued)

7.4.7 High Capacity Service

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MISSOURI
Public Service Commission

| | | <u>usoc</u> | Monthly Rates | Nonrecur Charg 1st Ckt | |
|------|----------------------------|-------------|------------------|------------------------------|----------|
| Α. | Channel Termination | | | | |
| | - Per point of termination | | | | |
| (RT) | - 1.544 Mbps | TMECS | \$225.00 | 569.00 | \$368.00 |
| (RT) | - 44.736 Mbps | TWT++ | ICB | ICB | ICB |

| | | | Monthly Rates | | |
|----|-------------------|------|---------------|----------|--|
| в. | Channel Mileage | USOC | Fixed | Per Mile | |
| ъ. | Ollaimet litteake | | | | |

1. 64 Kbps

Mileage Bands

| 0 | 1L5TC | None | None |
|---------------|-------|---------------|--------|
| Over 0 to 4 | 1L5XX | 56.65 | \$2.50 |
| Over 4 to 8 | 1L5XX | 57.5 0 | 2.40 |
| Over 8 to 25 | 1L5XX | 57.60 | 2.40 |
| Over 25 to 50 | 1L5XX | 57.00 | 2.35 |
| 0ver 50 | 1L5XX | 57. 00 | 2.35 |

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SPECIAL ACCESS SERVICE-(Continued)

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7.4 Rates and Charges-(Continued)

MISSOURI Public Service Commission

7.4.7 High Capacity Service

| (AT) | | <u>usoc</u> | Monthly Rates | | curring irges Addl. Ckt |
|------|---|-------------------------------|--------------------------------------|--|--|
| | A. Channel Termination | | | | |
| | - Per point of termination | | | | |
| (AT) | - 1.544 Mbps - 3.152 Mbps - 6.312 Mbps - 44.736 Mbps - 274.176 Mbps | TMECS TWT++ TWT++ TWT++ TWT++ | \$225.00 ICB ICB ICB ICB | (CR)569.00 ICB ICB ICB ICB | (NR)\$368.00 ICB ICB ICB ICB |
| | B. Channel Mileage | <u>usoc</u> | Month Fixed | ly Rates Per Mile | |

1. 64 Kbps

Mileage Bands

| 0 | 1 L 5TC | None | None |
|--------------------|----------------|-------|--------|
| Over 0 to 4 | 1 L5XX | 56.65 | \$2.50 |
| Over 4 to 8 | 1L5XX | 57.50 | 2.40 |
| Over 8 to 25 | 1 L 5XX | 57.60 | 2.40 |
| Over 25 to 50 | 1L5XX | 57.00 | 2.35 |
| 0ver 50 | 1 L5XX | 57.00 | 2.35 |

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7. SPECIAL ACCESS SERVICE-(CONTINUED)

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7.4 Rates and Charges-(Continued)

MISSOURI

7.4.7 High Capacity Service

Public Service Commission

| \$225.00 | \$685.00 |
|----------|-------------------|
| ICB | ICB |
| · ICB | ICB |
| · ICB | ICB |
| ICB | ICB |
| | ICB ICB ICB |

Monthly Rates USOC Per Mile **Fixed**

Channel Mileage

1. 64 Kbps

Mileage Bands

| (RT) | ο . | 1L5TC (DE | l) None | None |
|------|---------------|-----------------|---------|--------|
| • | Over 0 to 4 | 1 L5XX ` | 56.65 | \$2.50 |
| | Over 4 to 8 | 1L5XX | 57.50 | 2.40 |
| | Over 8 to 25 | 1L5XX | 57.60 | 2.40 |
| | Over 25 to 50 | 1L5XX | 57.00 | 2.35 |
| | Over 50 | 1L5XX | 57.00 | 2.35 |

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SPECIAL ACCESS SERVICE-(Continued)

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(F(') 7.4 Rates and Charges-(Continued)

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(FC) 7.4.7 High Capacity Service

MISSOURI
Public Service Commission

| | usoc | Monthly Rates | Nonrecurring Charges |
|----------------------------|-------|------------------|-------------------------|
| A. Channel Termination | | | |
| - Per point of termination | | | |
| - 1.544 Mbps | TMECS | (CR)\$225.00 | (CR)\$685.00 |
| - 3.152 Mbps | TWT++ | IC B | ICB |
| - 6.312 Mbps | TWT++ | ICB | ICB |
| - 44.736 Mbps | TWT++ | ICB | ICB |
| - 274.176 Mbps | TWT++ | ICB | ICB |

Channel Mileage

Monthly Rates
Fixed Per Mile

1. 64 Kbps

Mileage Bands

| 0 (1) | | 1L5TC (| (CR)\$20.90 | None |
|---------------|--------|---------|-------------|------------|
| Over 0 to 4 | | 1L5XX | 56.65 | (CR)\$2.50 |
| Over 4 to 8 | | 1L5XX | 57.50 | 2.40 |
| Over 8 to 25 | | 1L5XX | 57.60 | 2.40 |
| Over 25 to 50 | -0 | 1L5XX | 57.00 | 2.35 |
| Over 50 | my LED | 1L5XX | (CR) 57.00 | (CR) 2.35 |

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(1) Applies to through connections of 2.4, 4.8, 9.6, 56.0 and 64.0 kbps in Hubbing offices.

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By R. D. BARRON, President-Missouri Division 89-14
Southwestern Bell Telephone Company Public Service Commission
St. Louis, Missouri

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(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)
- 7.5.8 High Capacity Service

JUN 27 1986

MISSUURI **Public Service Commission**

| | usoc | Monthly Rates | Nonrecurring Charges |
|----------------------------|-------|------------------|-------------------------|
| A. Channel Termination | | | |
| - Per point of termination | | | |
| - 1.544 Mbps | TMECS | \$292.99 | \$361.00 |
| - 3.152 Mbps | TWT++ | ICB | ICB |
| - 6.312 Mbps | TWT++ | ICB | ICB |
| - 44.736 Mbps | TWT++ | ICB | ICB |
| - 274.176 Mbps | TWT++ | ICB | ICB |

Monthly Rates USOC Per Mile Fixed Channel Mileage

64 Kbps

Mileage Bands

| 0 (1) | 1L5TC | \$10.80 | None |
|---------------|----------------|---------|--------|
| Over 0 to 4 | 1L5XX | 10.80 | \$3.31 |
| Over 4 to 8 | 1L5XX | 10.80 | 3.31 |
| Over 8 to 25 | 1 L 5XX | 10.80 | 3.31 |
| Over 25 to 50 | 1L5XX | 10.80 | 3.31 |
| Over 50 | ED 1L5XX | 14.04 | 3.25 |

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(1) Applies to through connections of 2.4, 4.8, 9.6, 56.0 and 64.0 kbps in mission Hubbing offices.

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.2 Technical Service Descriptions for Special Access Service-(Continued)

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7.2.2 Digital Services-(Continued)

Public Service Commission

- Wideband Digital Services-(Continued)
 - 3. Wideband Digital 3 (WD3) Special Access Service
 - a. Description

Special Access Service WD3 provides a channel for the transmission of 230.4 kbps synchronous serial data between an IC terminal location and an End User's premises. Optional arrangements are available for the transmission of nonsynchronous data with a minimum signal element width of 4.3 microseconds. A voiceband coordinating channel can be provided with this service at rates as specified for the specific VG service required by the customer.

b. Illustrative Application

The nonsynchronous option is suitable for use as part of the facilities required to provide intrastate facsimile transmission.

- Transmission Performance
 - Error-Free Seconds

While in service, the monthly average of the error-free seconds will be equal to or greater than 98.75 percent.

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- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rates and Charges-(Continued)
- 7.4.7 High Capacity Service-(Continued)

<u>Monthly Rates</u>
USOC Fixed Per Mile

- B. Channel Mileage-(Continued)
- (AT) 2. 1.544 Mbps(1)

| | | (RT)

(RT)

(AT) (1) See Supplemental Schedule for current effective rates.

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SPECIAL ACCESS SERVICE-(Continued)

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7.4 Rates and Charges-(Continued)

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7.4.7 High Capacity Service-(Continued)

MISSOURI Public Service Commission

USOC Monthly Rates
Fixed Per Mile

- B. Channel Mileage-(Continued)
 - 2. 1.544 Mbps

(RT)

(RT)

Mileage Bands

| 0 | 1L5XX | None | None |
|---------------|-------|----------|---------|
| Over 0 to 4 | 1L5XX | \$100.00 | \$50.00 |
| Over 4 to 8 | 1L5XX | 100.00 | 60.00 |
| Over 8 to 25 | 1L5XX | 80.00 | 60.00 |
| Over 25 to 50 | 1L5XX | 80.00 | 60.00 |
| 0ver 50 | 1L5XX | 80.00 | 60.00 |

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7. SPECIAL ACCESS SERVICE-(Continued)

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(F(') 7.4 Rates and Charges-(Continued)

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(F(') 7.4.7 High Capacity Service-(Continued)

Public Service Commission

| | | USOC | Mont Fixed | hly Rates Per Mile |
|----|--|--|--|---|
| В. | Channel Mileage-(Continued) | | | |
| | 2. 1.544 Mbps Mileage Bands | | | |
| | Mileage Bands | | | |
| | 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 | 1L5XX 1L5XX 1L5XX 1L5XX 1L5XX 1L5XX | None (CR)\$100.00 100.00 80.00 80.00 (CR) 80.00 | None (CR)\$50.00 60.00 60.00 60.00 (CR) 60.00 |
| | 3. 3.152 Mbps | | | |
| | Mileage Bands | | | |
| | 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 | 1L0++ 1L0++ 1L0++ 1L0++ 1L0++ | None ICB ICB ICB ICB | None ICB ICB ICB ICB |
| | Over 50 | 1L0++ | ICB | ICB |

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(CP)ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)
 - 7.5.8 High Capacity Service-(Continued)

| | | | | | Month | ly Rates |
|--|--|--|-----|------|-------|----------|
| | | | | USOC | Fixed | Per Mile |
| | | | _ • | | | |

- B. Channel Mileage-(Continued)
 - 2. 1.544 Mbps

Mileage Bands

| 0 | 1L5XX | None | None |
|---------------|--------|----------|----------------|
| Over 0 to 4 | 1L5XX | \$132.22 | \$67.53 |
| Over 4 to 8 | 11.5XX | 132.22 | 67.53 |
| Over 8 to 25 | 1L5XX | 132.22 | 67.53 |
| Over 25 to 50 | 1L5XX | 132.22 | 67.53 |
| Over 50 | 1L5XX | 132.22 | 67 . 53 |

3.152 Mbps

Mileage Bands

| 0 | 1L0++ | None | None |
|---------------|-------|------|------|
| Over 0 to 4 | 1L0++ | ICB | ICB |
| Over 4 to 8 | 1L0++ | ICB | ICB |
| Over 8 to 25 | 1L0++ | ICB | ICB |
| Over 25 to 50 | 1L0++ | ICB | ICB |
| Over 50 | 1L0++ | ICB | ICB |

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ACCESS SERVICES

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- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service-(Continued) Public Service Continued)
 - 7.2.2 Digital Services-(Continued)
 - A. Wideband Digital Services-(Continued)
 - 3. Wideband Digital 3 (WD3) Special Access Service-(Continued)
 - d. Available Facility Interface Combinations

| <u> </u> | End User |
|----------|-----------|
| 8WB5-23S | 12WC6-23S |
| 8WB5-23A | 10WC5-23 |

- 4. Wideband Digital 4 (WD4) Special Access Service
 - a. Description

Special Access Service WD4 provides for the transmission of 56 kbps synchronous serial data between an IC terminal location and an End User's premises.

b. Illustrative Application

When using the DATAPHONE Digital Service timing option, this service is suitable for use as part of the facilities required to provide intrastate Digital Data Off-Net Extension.

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(CP)ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rates and Charges-(Continued)
- 7.4.7 High Capacity Service-(Continued)

USOC Monthly Rates
USOC Fixed Per Mile

None

ICB

ICB

ICB

ICB

ICB

None

ICB

ICB

ICB

ICB

ICB

B. Channel Mileage-(Continued)

(RT)
|
|
|
|
|
|
|
|
(RT)

(FC) 3. 44.736 Mbps

Mileage Bands

0 1LO++
Over 0 to 4 1LO++
Over 4 to 8 1LO++
Over 8 to 25 1LO++
Over 25 to 50 1LO++
Over 50 1LO++

(RT)
|
|
|
|
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J. SPECIAL ACCESS SERVICE-(Continued)

SEP 25 1989

(F(') 7.4 Rates and Charges-(Continued)

(FC) 7.4.7 High Capacity Service-(Continued)

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| | | USOC | Mont Fixed | hly Rates Per Mile |
|------|---|---|----------------------------------|--|
| в. с | hannel Mileage-(Continued) | | | CANCELLED |
| 4 | 6.312 Mbps | | | 0 T 1007 |
| | Mileage Bands | | | SEP 25 1993 BY 4 74 R.S. #99 |
| | 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 | 1L0++ 1L0++ 1L0++ 1L0++ | None ICB ICB ICB | Public Service Commission I WISSOURI I CB I CB |
| | Over 8 to 25 Over 25 to 50 Over 50 | 1L0++ 1L0++ | ICB ICB | ICB ICB |
| 5 | . 44.736 Mbps | | | |
| | Mileage Bands | | | |
| | 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 | 1L0++ 1L0++ 1L0++ 1L0++ 1L0++ | None ICB ICB ICB ICB | None ICB ICB ICB ICB |
| 6 | . 274. 1 76 Mbps | | | |
| | Mileage Bands | | | |
| | 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 | 1L0++ 1L0++ 1L0++ 1L0++ 1L0++ | None ICB ICB ICB ICB | None ICB ICB ICB ICB ICB |

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(CP) ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)
 - 7 5 8 High Canacity Service-(Continued)

MISSUURI

| 7.5.8 H | igh Capacity Service-(Contin | ued) | | Public Service Commission |
|---------|---|---|---|---|
| | | USOC | Month Fixed | ly Rates Per Mile |
| B. Cha | nnel Mileage-(Continued) | | | |
| 4. | 6.312 Mbps | | | |
| | Mileage Bands | | | |
| | 0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 | 1L0++ 1L0++ 1L0++ 1L0++ 1L0++ | None ICB ICB ICB ICB ICB | None ICB ICB ICB ICB ICB |
| 5. | 44.736 Mbps Mileage Bands | | | |
| | Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 | 1L0++ 1L0++ 1L0++ 1L0++ 1L0++ | None ICB ICB ICB ICB ICB | None ICB ICB ICB ICB ICB ICB ICB |
| 6. | 274.176 Mbps Mileage Bands Over 0 to 4 | 1L0++ 1L0++ | None ICB | None - Bervice Commission |
| | Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50 | 1L0++ 1L0++ 1L0++ 1L0++ | ICB ICB ICB ICB | ICB: 1 1986 ICB: 1 1986 ICB: 1 1986 Public Service Commission |

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service (Continued)
 - 7.2.2 Digital Services-(Continued)

AUG 14 100 2

A. Wideband Digital Services-(Continued)

4. Wideband Digital 4 (WD4) Special Access Service-(Continued vice Commission

- Transmission Performance
 - Error-Free Seconds

While in service, the monthly average of the error-free seconds will be equal to or greater than 98.75 percent.

d. Available Facility Interface Combinations

IC End User

4D05

6DU5-56

B. Digital Data Access Services

Digital Data Access Services are only available via Telephone Company-designated Digital Data Hubs.

- 1. Digital Data Access 1 (DA1) Special Access Service
 - a. Description

Special Access Service DAI provides a channel for duplex fourwire transmission capability of serial synchronous data at the 2.4 kbps rate between an IC terminal location and an End User's premises. The service is synchronous with timing provided through the Telephone Company's Technics to the End User on the received bit stransmitted.

BY AND C S. 99
PUBLIC SERVICE COMMISSION
OF MISSOURI

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OCT 15 1984

Issued: AUG 1 5 1984

Effective: OCT 1 5 498

Public Service Commission

Access Services Tariff
Section 7
Original Sheet 99

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

DEC 2 9 1383

- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.2 Digital Services-(Continued)
 - A. Wideband Digital Services-(Continued)
 - 4. Wideband Digital 4 (WD4) Special Access Service-(Continued)
 - c. Transmission Performance
 - Error-Free Seconds

While in service, the monthly average of the error-free seconds will be equal to or greater than 98.75 percent of the error-free seconds will be equal to or greater than 98.75 percent of the error-free seconds will be equal to or greater than 98.75 percent of the error-free seconds will be equal to or greater than 98.75 percent of the error-free seconds will be equal to or greater than 98.75 percent of the error-free seconds will be equal to or greater than 98.75 percent of the error-free seconds will be equal to or greater than 98.75 percent of the error-free seconds will be equal to or greater than 98.75 percent of the error-free seconds will be equal to or greater than 98.75 percent of the error-free seconds will be equal to or greater than 98.75 percent of the error-free seconds will be equal to or greater than 98.75 percent of the error-free seconds will be equal to or greater than 98.75 percent of the error-free seconds will be equal to or greater than 98.75 percent of the error-free seconds will be equal to or greater than 98.75 percent of the error-free seconds will be equal to or greater than 98.75 percent of the error-free seconds will be equal to or greater than 98.75 percent of the error-free seconds will be equal to or greater than 98.75 percent of the error
d. Available Facility Interface Combinations

<u>IC</u> <u>End User</u> 4WB5-64 6DU5-56 4D05 6DU5-56 BY AL PS 99
BY BLIC SERVICE COMMISSION
OF MISSOURI

B. Digital Data Access Services

Digital Data Access Services are only available via Telephone Company-designated Digital Data Hubs.

- 1. Digital Data Access 1 (DA1) Special Access Service
 - a. Description

Special Access Service DA1 provides a channel for duplex four-wire transmission capability of serial synchronous data at the 2.4 kbps rate between an IC terminal location and an End User's premises. The service is synchronous with timing provided through the Telephone Company's facilities to the End User on the received bit stream.

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Issued: DEC 2 9 1983

Effective:

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Access Services Tariff
Section 7
Supplemental Schedule
2nd Revised Sheet 99.01
Replacing 1st Revised Sheet 99.01

ACCESS SERVICES

HIGH CAPACITY SERVICES

| | Monthly | Nonrecurring |
|-------------|---------|-------------------|
| <u>USOC</u> | Rates | Charges |
| | | 1st Ckt Addl. Ckt |

- A. Channel Termination
 - Per point of termination
 - 1.544 Mbps TMECS \$225.00 569.00 \$368.00

<u>Monthly Rates</u> <u>USOC</u> <u>Fixed</u> <u>Per Mile</u>

B. Channel Mileage

1.544 Mbps

Mileage Bands

| 0 | 1L5XX | None | None |
|---------------|-------|----------|---------|
| Over 0 to 4 | 1L5XX | \$100.00 | \$50.00 |
| Over 4 to 8 | 1L5XX | 100.00 | 60.00 |
| Over 8 to 25 | 1L5XX | 80.00 | 60.00 |
| Over 25 to 50 | 1L5XX | 80.00 | 60.00 |
| Over 50 | 1L5XX | 80.00 | 60.00 |

Pursuant to Section 392.510.3, R.S.Mo. 1994

Issued: April 10, 1995 Effective: April 11, 1995

(AT)

Access Services Tariff
Section 7
1st Revised Sheet 99.01
Replacing Original Sheet 99.01

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

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7.4 Rates and Charges-(Continued)

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7.4.7 High Capacity Service-(Continued)

MISSOURI Public Service Commissi

| | | USOC | Monthly Rates | Nonrecurring Charges | | |
|----|--|------|------------------|-------------------------|-------------|--|
| | | | | lst Ckt | Addl. Ckt | |
| C. | Service to Service Through Connect Arrangement | | | | | |
| | High Capacity Service Arrangement | | • | | | |
| | - 1.544 Mbps (DS1) | THA | None (| CR) 181.00 | (NR) 138.00 | |
| | Multiplexed Service Arrangement - 1.544 Mpbs (DS1) | THK | None (| CR) 294.00 | (NR) 248 00 | |
| | - 1.344 Mpos (USI) | THK | none (| CK) 294.00 | (NR) 248.00 | |

CANCELLED

APR 1 1 1995

By 2nd RS 99.01

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Access Services Tariff Section 7 Original Sheet 99.01

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

FEB 20 1990

7.4 Rates and Charges-(Continued)

MISSOURI

7.4.7 High Capacity Service-(Continued)

Public Service Commission

| | | | usoc | Monthly Rates | Nonrecurring Charges |
|----|----|--|------|------------------|-------------------------|
| c. | | vice to Service ough Connect Arrangement | | | |
| | 1. | High Capacity Service Arrangement | | | |
| | | - 1.544 Mbps (DS1) | THA | None | \$201.00 |
| | 2. | Multiplexed Service Arrangement - 1.544 Mbps (DS1) | ТНК | None | \$321.00 |

CANCELLED

SEP 3 0 1991

BY 1 of RS. #99.01

Public Service Commission

MISSOURI

Issued: FEB 2 2 1990

Bffective:

MAR 2 6 1990

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(MT)

No Supplement to this tariff will be issued except for the purpose of canceling this tariff. Access Services Tariff Section 7 Original Sheet 99.02

ACCESS SERVICES

(MT) 7. SPECIAL ACCESS SERVICE-(Continued)

- 7.4 Rates and Charges-(Continued)
- 7.4.7 High Capacity Service-(Continued)

| | <u>USOC</u> | Monthly Rates | Nonrecurring <u>Charges</u> 1st Ckt Addl. Ckt |
|---|-------------|---------------|---|
| C. Service to Service Through Connect Arrangement | | | |
| High Capacity Service Arrangement | | | |
| - 1.544 Mbps (DS1) | THA | None | (CR) 181.00 (NR) 138.00 |
| 2. Multiplexed Service Arrangement- 1.544 Mpbs (DS1) | ТНК | None | (CR) 294.00 (NR) 248.00 |

Issued: April 10, 1995 Effective: April 11, 1995

ACCESS SERVICES

USOC

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rates and Charges-(Continued)
- 7.4.7 High Capacity Service-(Continued)

| D. Optional Features, BSEs and Functions | | | |
|--|-------|-----|------|
| 1. Multiplexing | | | |
| | | | |
| | | | |
| | | | |
| DS3 to DS1 | | | |
| - Per arrangement | MXB++ | ICB | None |
| | | | |
| | | | |
| | | | |
| DS1 to Voice(1) | | | |

MQ1

QMU

QSU24

Monthly

Rates

Nonrecurring

Charges

None

None

None

None

- Per arrangement

- Per arrangement

DS1 to DSO

DSO to Subrates(2)

(CP)

- Per arrangement
- Up to twenty 2.4 kbps services

- Up to ten 4.8 kbps services- Up to five 9.6 kbps

services

QSU48 291.20 6 kbps

QSU96 556.30 None

\$200.00

600.00

147.00

r a Magal ink Data Carrias

(1) A channel of this DS1 to the Hub can be used for a MegaLink Data Service.

(2) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(AT)

Issued: May 28, 2021 Effective: June 30, 2021

Access Services Tariff Section 7 5th Revised Sheet 100 Replacing 4th Revised Sheet 100

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

- 7.4 Rates and Charges-(Continued)

| | 7.4.7 High Capacity Service-(Continued) | | Monthly | Nonrecurring |
|-------------------|---|-------------|---------|--------------|
| | | <u>USOC</u> | Rates | Charges |
| | D. Optional Features, BSEs | | | _ |
| | and Functions | | | |
| | | | | |
| | 1. Multiplexing | | | |
| (DT) | | | | |
| (K1) | | | | |
| (RT) | | | | |
| (RT) (RT) | | | | |

DS3 to DS1

| - Per arrangement | MXB++ | ICB | None |
|-------------------|-------|-----|------|
|-------------------|-------|-----|------|

| (RT) | | | |
|------|--|--|--|
| | | | |
| | | | |
| (RT) | | | |
| | | | |

DS1 to Voice(1)

| - Per arrangement | MQ1 | \$200.00 | None |
|-------------------|-----|----------|------|
| | | | |

1/01

ΦΩΩΩ ΩΩ

556.30

None

DS1 to DSO

| - Per arrangement | QMU | 600.00 | None |
|-------------------|-----|--------|------|
|-------------------|-----|--------|------|

DSO to Subrates

services

| - Per arrangement | | | |
|-------------------------|-------|--------|------|
| - Up to twenty 2.4 kbps | | | |
| services | QSU24 | 147.00 | None |
| - Up to ten 4.8 kbps | | | |
| services | QSU48 | 291.20 | None |
| - Up to five 9.6 kbps | | | |

(1) A channel of this DS1 to the Hub can be used for a MegaLink Data Service.

Issued: August 27, 1993 Effective: September 27, 1993

> By A. D. ROBERTSON, Assistant Vice President-External Affairs Southwestern Bell Telephone Company St. Louis, Missouri

QSU96

Access Services Tariff
Section 7
4th Revised Sheet 100

Replacing 3rd Revised Sheet 100

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

MAR 29 1993

MISSOURI

7.4 Rates and Charges-(Continued)

7.4.7 High Capacity Service-(Continued)

| | /.4. | / High Capacity Service-(Conti | nued) | Honthly | blic Sorrior fing mission |
|------|------|--|-------|----------|------------------------------------|
| 4 | _ | | USOC | Rates | Charges |
| (AT) | D. | Optional Features, BSEs and Functions | | | CANCELLED |
| | | 1. Multiplexing | | | = 4007 |
| | | DS4 to DS1 | | | SED 25 1993 STAR. ST. 100 |
| | | - Per arrangement | MXA++ | ICB | Public Service Commission MISSOURI |
| | | DS3 to DS1 | | | 1,,,,, |
| | | - Per arrangement | MXB++ | ICB | None |
| | | DS2 to DS1 | | | |
| | | - Per arrangement | MXD++ | ICB | None |
| | | DS1C to DS1 | | | |
| | | - Per arrangement | MXH++ | 1CB | None |
| | | DS1 to Voice(1) | | | |
| | | - Per arrangement | MQ1 | \$200.00 | None |
| | | DS1 to DS0 | | | |
| R | | - Per arrangement | Омп | 600.00 | None |
| , | | DSO to Subrates | | | |
| | | ~ Per arrangement | | | |
| | | Up to twenty 2.4 kbps services | QSU24 | 147.00 | None |
| • | | - Up to ten 4.8 kbps | - | | |
| | | services - Up to five 9.6 kbps | QSU48 | 291.20 | None |
| | | services | QSU96 | 556.30 | None |

(1) A channel of this DS1 to the Hub can be used for a MegaLink Data Service.

Issued: MAR 2 F 1993

Effective:

APR 1 1 1993

By R. D. BARRON, President-Missouri Division
Southwestern Bell Telephone Company
St. Louis, Missouri

92 - 30 4 MO. PUBLIC SERVICE COMM.

P.S.C. Mo.-No. 36

No supplement to this tariff will be issued except for the purpose of canceling this tariff. Access Services Tariff
Section 7

3rd Revised Sheet 100 Replacing 2nd Revised Sheet 100

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.4 Rates and Charges-(Continued)

FEB 20 1990

7.4.7 High Capacity Service-(Continued)

MISSOURI

| | /.4. | / E | iign Capacity Service-(Conti | nued) | | Public Service Commission |
|------|------|-----|--|-------|------------------|---------------------------|
| (FC) | D. | • | tional Features and | USOC | Monthly Rates | Nonrecurring Charges |
| | | Fui | nctions | | | CANCELLED |
| | | 1. | Multiplexing | | | CANCELLED |
| | | | DS4 to DS1 | | | APR 11 1993 BY 4 1/00 |
| | | | - Per arrangement | HXA++ | ICB | None By 4-1/1 3 700 |
| | | | D\$3 to DS1 | | | MISSOURI |
| | | | - Per arrangement | MXB++ | ICB | None |
| | | | DS2 to DS1 | | | |
| | | | - Per arrangement | MXD++ | ICB | None |
| | | | DS1C to DS1 | | | |
| | | | - Per arrangement | MXE++ | ICB | None |
| | | | DS1 to Voice(1) | | | |
| | | | - Per arrangement | MQ1 | \$200.00 | None |
| | | | DS1 to DS0 | | | |
| | | | - Per arrangement | QMU | 600.00 | None |
| | | | DSO to Subrates | | | |
| | | | - Per arrangement | | | |
| | | | Up to twenty 2.4 kbps services | QSU24 | 147.00 | None |
| | | | - Up to ten 4.8 kbps services | QSU48 | 291.20 | None |
| | | | - Up to five 9.6 kbps services | QSU96 | 556.30 | None |
| | | | DC- 110ED | QDU/U | 220.30 | **VIIE |

(1) A channel of this DS1 to the Hub can be used for a MegaLink Data Service.

Issued: FEB 2 2 1990

Effective: MAR 2 6 1990

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Access Services Tariff
Section 7
2nd Revised Sheet 100
Replacing 1st Revised Sheet 100

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|-------------------------------------|--|
| 7. SPECIAL ACCESS SERVICE-(Cont | inued) RECEIVED |
| (FC) 7.4 Rates and Charges-(Continu | ed) SEP 25 1989 |
| (FC) 7.4.7 High Capacity Service-(| Continued) Monthly Nonrectionally USOC Rates Public Changes Commission |
| C. Optional Features and Functions | |
| 1. Multiplexing | |
| DS4 to DS1 | |
| - Per arrangement | MXA++ ICB None |
| DS3 to DS1 | • |
| - Per arrangement | MXB++ ICB None |
| DS2 to DS1 | |
| - Per arrangement | MXD++ ICB None |
| DS1C to DS1 | |
| - Per arrangement | MXH++ ICB None |
| DS1 to Voice(1) | |
| - Per arrangement | MQ1 (CR)\$200.00 None |
| DS1 to DS0 | |
| - Per arrangement | QMU (CR) 600.00 None _ LED |
| DSO to Subrates | OMU (CR) 600.00 None CELLED CANCELLED |
| - Per arrangement | CANCELLES (1990) MAR 26 (1990) MAR 26 (1990) MAR 26 (1990) |
| - Up to twenty 2.4 kt services | OSU24 (CR) 147.00 OSU24 (CR) 147.00 OSU24 (CR) 147.00 OSU24 (CR) 147.00 |
| - Up to ten 4.8 kbps services | QSU48 (CR) 291.20 None |
| - Up to five 9.6 kbps services | QSU96 (CR) 556.30 None |

(CT) (1) A channel of this DS1 to the Hub can be used for a MegaLink Data Service.

Issued: SEP 2 5 1989 Effective: UC7 1 1989

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Access Services Tariff
Section 7
lst Revised Sheet 100
Replacing Original Sheet 100

(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)
 - 7.5.8 High Capacity Service-(Continued)

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| | JUN 27 1986 | の行動力 |
| ион С | MISSUUKI Pic Service Commission | 10 12 1 |

| С. | Optional | Features | and |
|----|-----------|----------|-----|
| | Functions | = | |

1. Multiplexing

| DS4 to DS1 | | | |
|-------------------------|-------|------------------|--|
| - Per arrangement | MXA++ | ICB | None |
| DS3 to DS1 | | | |
| - Per arrangement | MXB++ | ICB | None |
| DS2 to DS1 | | | |
| - Per arrangement | MXD++ | ICB | None |
| DSIC to DSI | | | |
| - Per arrangement | MXH++ | ICB | None |
| DS1 to Voice(1) | | | |
| - Per arrangement | MQ1 | \$409.55 | None |
| DS1 to DSO | | | CANCELLED |
| - Per arrangement | ФМП | 351.98 | None 1089 |
| DSO to Subrates | | | OCT SHLOO |
| - Per arrangement | | r o . | BYOTH TO THE STATE OF THE STATE |
| - Up to twenty 2.4 kbps | | \$^ 8 | [EMIP極州山 |

USOC

Monthly

Rates

- Up to ten 4.8 kbps services QSU48 344.47 - Up to five 9.6 kbps

up to five 9.6 kbps services QSU96 668.44

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Noge 6 - 84

None

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jon

(1) A channel of this DS1 to the Hub can be used for a Digital Data Service.

Issued: JUN 27 1988

services

Effective: JUL

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QSU24

Access Services Tariff Section 7 Original Sheet, 100 して ひっけいこり

ACCESS SERVICES

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- SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Technical Service Descriptions for Special Access Service-(Continued) resign
 - 7.2.2 Digital Services-(Continued)
 - B. Digital Data Access Services-(Continued)
 - Digital Data Access 1 (DA1) Special Access Service-(Continued)
 - a. Description

DA1 is available only between the IC terminal location and locations designated by the Telephone Company which are served by digital facilities. All other locations are connectible to the Telephone Company-designated digital Hub only through an analog off-network extension which is provided as a Voice Grade 10 Service as set forth in Paragraph 7.2.1, B., preceding.

b. Illustrative Application

Special Access Service DA1 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as:

- Digital Data 2.4 kbps
- c. Optional Features
 - Transfer arrangement
 - Central office bridging capability

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JUL 1 1986 PUBLIC SERVICE COMMISSION

CANCELLED - Missouri Public Service Commission - 05/01/2024 - TN-2024-0278 - JI-2024-0140

Southwestern Bell Telephone Company d/b/a AT&T Missouri

Section 7 6th Revised Sheet 101 Replacing 5th Revised Sheet 101

ACCESS SERVICES

Monthly

Nonrecurring

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rates and Charges-(Continued)
 - 7.4.7 High Capacity Service-(Continued)

| | | <u>USOC</u> | Rates_ | <u>Charges</u> | |
|----|--|-------------|--------|----------------|--|
| D. | Optional Features, BSEs and Functions-(Continued) | | | | |
| | 2. | | | | |
| | | | | | |
| | Transfer Arrangement (key activated(2)(5)) | | | | |
| | Per four port arrangement including control channel termination(3) | USV | 241. | 50 235.00 | |
| | 4. Clear Channel Capability | | | | |
| | - Per 1.544 Mbps High Capacity Channel Termination | CLR | 30.0 | 00 88.00(4) | |

- (2) The key activated control channel is rated as a metallic channel termination (use USOC T6EME in lieu of T6ECS) and channel mileage, if applicable (use USOC 1L5MX in lieu of 1L5XX).
- (3) An additional Channel Termination Charge will apply whenever a spare channel is configured as a leg to the customer's premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer premises serving wire center.
- (4) This charge applies to installing clear channel capability coincident with the initial installation of the 1.544 Mbps service. Installation of this option to existing 1.544 Mbps service will be charged \$135.00 nonrecurring charge.
- (5) Effective June 30, 2021, Metallic Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(AT)

(AT)

JI-2021-0210

Section 7 5th Revised Sheet 101 Replacing 4th Revised Sheet 101

ACCESS SERVICES

Monthly

Nonrecurring

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rates and Charges-(Continued)
 - 7.4.7 High Capacity Service-(Continued)

| 235.00 |
|----------|
| |
| 88.00(4) |
| , |

(RT) (RT)

(RT)

(RT)

- (2) The key activated control channel is rated as a metallic channel termination (use USOC T6EME in lieu of T6ECS) and channel mileage, if applicable (use USOC 1L5MX in lieu of 1L5XX).
- (3) An additional Channel Termination Charge will apply whenever a spare channel is configured as a leg to the customer's premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer premises serving wire center.
- (4) This charge applies to installing clear channel capability coincident with the initial installation of the 1.544 Mbps service. Installation of this option to existing 1.544 Mbps service will be charged \$135.00 nonrecurring charge.

Issued: November 9, 2011

CANCELLED
June 30, 2021
Missouri Public
Service Commission
JI-2021-0210

By JOHN SONDAG, President - Missouri St. Louis, Missouri Effective: December 9, 2011
FILED
Missouri Public
Service Commission
JI-2012-0208

Access Services Tariff
Section 7
4th Revised Sheet 101
Replacing 3rd Revised Sheet 101

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

7.4.7 High Capacity Service-(Continued)

| | | <u>USOC</u> | Monthly Rates | Nonrecurring Charges |
|------|--|-------------|---------------|----------------------|
| (AT) | D. Optional Features, BSEs and Functions-(Continued) | | | |
| | 2. Automatic Loop Transfer | | | |
| | - Per arrangement(1) | T59 | \$736.10 | 210.00 |
| | 3. Transfer Arrangement (key activated(2)) | | | |
| | Per four port arrangement including control channel termination(3) | USV | 241.50 | 235.00 |
| | 4. Clear Channel Capability | | | |
| | Per 1.544 Mbps High Capacity Channel Termination | CLR | 30.00 | 88.00(4) |

- (1) An additional Channel Termination Charge will apply whenever the spare line is provided as a leg to the customer premises.
- (2) The key activated control channel is rated as a metallic channel termination (use USOC T6EME in lieu of T6ECS) and channel mileage, if applicable (use USOC 1L5MX in lieu of 1L5XX).
- (3) An additional Channel Termination Charge will apply whenever a spare channel is configured as a leg to the customer's premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer premises serving wire center.
- (4) This charge applies to installing clear channel capability coincident with the initial installation of the 1.544 Mbps service. Installation of this option to existing 1.544 Mbps service will be charged \$135.00 nonrecurring charge.

Issued: March 26, 1993 Effective: April 11, 1993

Access Services Tariff
Section 7
3rd Revised Sheet 101
Replacing 2nd Revised Sheet 101

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

FEB 20 1990

7.4 Rates and Charges-(Continued)

MISSOURI
Public Service Commission

7.4.7 High Capacity Service-(Continued)

| | | | • | usoc | Monthly Rates | Nonrecurring Charges |
|------|----|----|--|-------------|------------------|--------------------------|
| PC) | D. | - | cional Features and ections-(Continued) | | | |
| | | 2. | Automatic Loop Transfer | | | |
| | | | - Per arrangement(1) | T 59 | \$736.10 | 210.00 ELED |
| | | 3. | Transfer Arrangement (key activated(2)) | | | CANCELLED APR 11 1993 # |
| | | | Per four port arrangement including control channel termination(3) | VSV | 241.50 | BY 4 Commission |
| (AT) | | 4. | Clear Channel Capability | | | t on March |
| (AT) | | | - Per 1.544 Hbps High Capacity Channel Termination | CLR | (NR) 30.00 | (NR) 88.00(4) |

(1) An additional Channel Termination Charge will apply whenever the spare line is provided as a leg to the customer premises.

(2) The key activated control channel is rated as a metallic channel termination (use USOC T6EME in lieu of T6ECS) and channel mileage, if applicable (use USOC 1L5MX in lieu of 1L5XX).

(3) An additional Channel Termination Charge will apply whenever a spare channel is configured as a leg to the customer's premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer premises serving wire center.

(AT) (4) This charge applies to installing clear channel capability coincident with the initial installation of the 1.544 Mbps service. Installation of this option to existing 1.544 Mbps service will be charged \$135.00 nonrecurring charge.

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Effective: MAR 2 6 1990

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MAR 26 1990

Access Services Tariff Section 7 2nd Revised Sheet 101 Replacing 1st Revised Sheet 101

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

SEP 2.5 1989

(F(') 7.4 Rates and Charges-(Continued)

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(FC) 7.4.7 High Capacity Service-(Continued)

Public Service Commission

| | | | <u>USOC</u> | Monthly Rates | Nonrecurring Charges |
|----|----|--|-------------|------------------|-------------------------|
| С. | | ional Features and ctions-(Continued) | | | |
| | 2. | Automatic Loop Transfer | | | |
| | | <pre>- Per arrangement(1)</pre> | T59 | (CR)\$736.10 | (NR)\$210.00 |
| | 3. | Transfer Arrangement (key activated(2) | | | |
| | | Per four port arrangement including control channel termination(3) | usv | (CR) 241.50 | (NR) 235.00 |

CANCELLED

Public Service Commission MISSOURI

(1) An additional Channel Termination Charge will apply whenever the spare line is provided as a leg to the customer premises.

(2) The key activated control channel is rated as a metallic channel termination (use USOC T6EME in lieu of T6ECS) and channel mileage, if applicable (use USOC 1L5MX in lieu of 1L5XX).

(3) An additional Channel Termination Charge will apply whenever a spare channel is configured as a leg to the customer's premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer premises serving wire center.

Issued:

17 2 5 1989

Effective: 007 1

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FILED

By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

OCT 1 1989

8 9 - 1 4 Public Service Commission

Access Services Tariff
Section 7
Ist Revised Sheet 101
Replacing Original Sheet 101

(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.5 Rates and Charges-(Continued)
 - 7.5.8 High Capacity Service-(Continued)

MISSUURI
Public Service Commission

| | | | USOC | Monthly Rates | Nonrecurring Charges |
|----|----|--|------|------------------|-------------------------|
| c. | | ional Features and ctions-(Continued) | | | |
| | 2. | Automatic Loop Transfer | | | |
| | | - Per arrangement(1) | T59 | \$902.00 | None . |
| | 3. | Transfer Arrangement (key activated(2)) | | | |
| | | - Per four port arrangement including control channel termination(3) | usv | 223.90 | None |

CANCELLED

OCT 1 1989

OCT 1 1989

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BY AND SERVICE COMMISSION

MISSOURI

(1) An additional Channel Termination Charge will apply whenever the spare in ine is provided as a leg to the customer premises.

(2) The key activated control channel is rated as a metallic channel termination (use USOC T6EME in lieu of T6ECS) and channel mileage, if applicable (use USOC 1L5MX in lieu of 1L5XX).

86-84

(3) An additional Channel Termination Charge will apply whenever a space channel is configured as a leg to the customer's premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer premises serving wire center.

Issued: JUN 27 1986

Effective:

JUL 1 1986

Access Services Tariff Section 7 Original Sheet 101

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

- DEC 2 9 1000
- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.2 Digital Services-(Continued)

Public Service Commission

- B. Digital Data Access Services-(Continued)
 - Digital Data Access 1 (DA1) Special Access Service-(Continued)
 - Transmission Performance
 - Error-Free Seconds

While in service, the monthly average of the error-free seconds will be equal to or greater than 99.875 percent.

e. Available Facility Interface Combinations

| <u>IC</u> | End User |
|------------|----------|
| 4DS9-15(1) | 6DU5-24 |
| 6DU5-24 | 6DU5-24 |

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JUL 1 1986

OF MISSOURI

(1) Available only to IC's selecting the multiplexed four-wire DSX facility interface option at the IC terminal location and providing subsequent system and channel assignment data.

Issued: DEC 2 9 1983 Effective: JAN 0 1 1984

Section 7 8th Revised Sheet 102 Replacing 7th Revised Sheet 102

CANCELLED - Missouri Public Service Commission - 05/01/2024 - TN-2024-0278 - JI-2024-0140

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rates and Charges-(Continued)
- 7.4.7 High Capacity Service-(Continued)

| D. Optional Features and functions-(Continued) | <u>USOC</u> | Monthly <u>Rates</u> | Nonrecurring <u>Charges</u> |
|--|-------------|-------------------------|-----------------------------|
| 5. Extended Superframe Format- Per 1.544 Mbps Channel termination | SF1 | None | None |
| 6. Power Over the Interface- Per 1.544 Mbps Channel interface | PW1 | None | None |

Access Services Tariff
Section 7
7th Revised sheet 102
Replacing 6th Revised Sheet 102

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

7.4.7 High Capacity Service-(Continued)

| D. Optional Features and functions-(Continued) | | <u>USOC</u> | • | recurring harges |
|---|-------------|----------------------|----------------|---------------------|
| 5. Extended Superframe Format- Per 1.544 Mbps Channel term | ination | SF1 | None | None |
| 6. Power Over the Interface- Per 1.544 Mbps Channel inter | face | PW1 | None | None |
| 7.4.8 DovLink Service | | | | |
| | | Monthly | Nonrec | • |
| | USOC | Monthly <u>Rates</u> | 1st Ckt | <u>Addl. Ckt</u> |
| A. Channel Termination | <u> </u> | | <u> 150 OM</u> | <u>. 1001, Citt</u> |
| - Per point of termination | | | | |
| - 2.4 kbps | NTNTX | (CR)\$17.20 | (CR)\$190.00 | (CR)\$120.00 |
| - 4.8 kbps | NTNTX | (CR)\$17.20 | · · | (CR)\$120.00 |
| - 9.6 kbps | NTNTX | (CR)\$34.40 | (CR)\$190.00 | (CR)\$120.00 |
| | | M | onthly Rates | |
| | <u>USOC</u> | <u>Fixed</u> | Per Mile | |
| B. Channel Mileage | | | | |

Rates are as set forth in Paragraph 7.4.6., B.,

preceding.

Issued: MAY 26, 2000 Effective: JUNE 25, 2000

2.4 kbps

4.8 kbps

9.6 kbps

Access Services Tariff Section 7 6th Revised sheet 102 Replacing 5th Revised Sheet 102

ACCESS SERVICES

RECEIVED

SPECIAL ACCESS SERVICE-(Continued)

MAR 29 1993

7.4 Rates and Charges-(Continued)

7.4.7 High Capacity Service-(Continued)

MISSOURI Public Service Gemmission

| | | | | | | | • |
|------|------|-------|--|-------|---------|------------------|-------------------------|
| (AT) | D. | - | ional Features, BSEs functions-(Continued) | | USOC | Monthly Rates | Nonrecurring Charges |
| | | 5. | Extended Superframe Form - Per 1.544 Mbps Channel | | SF1 | None | None |
| | | 6. | Power Over the Interface - Per 1.544 Mbps Channel | | PW1 | None | None |
| | 7.4. | . 8 D | ovLink Service | | | | |
| | | | | | | | ecurring |
| | | | | | Monthly | | narges |
| | Α. | Cha | nnel Termination | USOC | Rates | <u>1st Ckt</u> | Addl. Ckt |
| | | – P | er point of termination | | | | |
| | | _ | 2.4 kbps | NTNTX | \$16.00 | \$176.50 | \$112.00 |
| | | | 4.8 kbps | NTNTX | \$16.00 | \$176.50 | · |
| | | | 9.6 kbps | NTNTX | \$32.00 | \$176.50 | |
| | | | | | Month | ly Rates | |
| | | | | | | | |

US0C

B. Channel Mileage

2.4 kbps

4.8 kbps

9.6 kbps

Rates are as set forth in Paragraph 7.4.6, B., preceding.

Per Mile

CANCELLED

Fixed

JUN 2 5 2000 By 7th RS 102 **Public Service Commission** MISSOURI

Issued: MAR 2 6 1993 Effective:

APR 1 1 1993

By A. D. ROBERTSON, Assistant Vice President-External Affa Southwestern Bell Telephone Company St. Louis, Missouri

Access Services Tariff Section 7 5th Revised sheet 102 Replacing 4th Revised Sheet 102

ACCESS SERVICES

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200 300 112 000 1000 100

Monthly Nonrecurring

| 7. SPECIAL ACCESS S | ERVICE-(Continued) |
|---------------------|--------------------|
|---------------------|--------------------|

7.4 Rates and Charges-(Continued)

7.4.7 High Capacity Service-(Continued)

| (C) | D. | Optional Features and functions-(Continued) |
|-----|----|---|
| | | and functions-(continued) |

5. Extended Superframe Format

SF1

None

Rates

None

Charges

- Per 1.544 Mbps Channel termination

6. Power Over the Interface - Per 1.544 Mbps Channel interface

PV1

USOC

None

None

(AT)(FC) 7.4.8 DovLink Service

US0C

Monthly Rates Nonrecurring

Charges 1st Ckt Addl. Ckt

A. Channel Termination

- Per point of termination

- 2.4 kbps - 4.8 kbps

- 9.6 kbps

NTNTX NTNTX

\$16.00

(NR) \$16.00 (NR) \$176.50 (NR) \$112.00 \$176.50

\$112.00

(NR) \$32.00 (NR) \$176.50 (NR) \$112.00 NTNTX

Monthly Rates

USOC

Fixed

Per Mile

Channel Mileage

2.4 kbps

4.8 kbps 9.6 kbps Rates are as set forth in Paragraph 7.4.6, B., preceding.

(MT)

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BY 6 花 R.S. 102

Public Service Commission MISSOURI

DEC 41992

MO. PUBLIC SERVICE COLLA.

DEC -'4 1992

Issued: OCT 0 5 1992

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(AT)

Access Services Tariff
Section 7
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Replacing 3rd Revised Sheet 102

ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

APR 2 0 1990

7.4 Rates and Charges-(Continued)

MISSOURI

7.4.7 High Capacity Service-(Continued)

Public Service Commission

| C. | - | ional Features and actions-(Continued) | usoc | Monthly <u>Rate</u> | Nonrecurring Charges |
|----|----|---|------|------------------------|-------------------------|
| | 5. | Extended Superframe Format - Per 1.544 Mbps channel termination | SF1 | None | None |
| | 6. | Power Over the Interface - Per 1.544 Mbps channel termination | PW1 | None | None |

7.4.8 Special Access Surcharge

| | USOC | Monthly <u>Rate</u> |
|---------------------------------|------|------------------------|
| Per Voice Equivalent Channel | S25 | \$25.00 |

7.4.9 Message Station Equipment Recovery Charge

CANCELLED

MISSOURI

USOC Rate

BY K.S. 705
Public Service Commission

Message Station Equipment Recovery Charge

UTM N

- Per Special Access Surcharge Assessed

None

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JUN 6 1990

Public Service Commission-

Issued: MAY 0 7 1990

Effective: JUN 0 6 1990

Access Services Tariff
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Replacing 2nd Revised Sheet 102

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

SEP 25 1989

(F(') 7.4 Rates and Charges-(Continued)

MISSOURI

(RT)

Public Service Commission

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BY 4 S. H 102

Public Service Commission

MISSOURI

(FC) 7.4.8 Special Access Surcharge

Per Voice Equivalent
Channel S25 \$25.00

(FC) 7.4.9 Message Station Equipment Recovery Charge

USOC Monthly Rate

Message Station Equipment Recovery Charge

 Per Special Access Surcharge Assessed

UTM

None

Issued: SEP 2 5 1989

Effective: OCT 1

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Access Services Tariff
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Replacing 1st Revised Sheet 102

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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7.5 Rates and Charges-(Continued)

JUN 22 1988

7.5.8 High Capacity Service-(Continued)

MISSOURI
Public Service Commission

(DR)

(DR)

7.5.9 Special Access Surcharge

USOC Monthly Rate

Per Voice Equivalent
Channel S25 \$25.00

7.5.10 Message Station Equipment Recovery Charge

USOC Rate

Message Station Equipment Recovery Charge

- Per Special Access Surcharge Assessed

UTM

None

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BYZNIC S.#108

Public Service Commission

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(RT)

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JUL 8 1988

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By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company

JUL 8 1988

St. Louis, Missouri

88-287 Public Service Commission

Access Services Tariff Section 7 1st Revised Sheet 102 Replacing Original Sheet 102

MISSUURI Monthly Rates Charges

(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)
 - 7.5.8 High Capacity Service-(Continued)

Network Channel Terminating Equipment (NCTE)(1)

> - Per point of termination where provided

- 1.544 Mbps - Automatic Loop Transfer

TN615

USOC

\$ 91.26

None

TN6AL 1459.50

None

7.5.9 Special Access Surcharge

USOC

Monthly Rate

CANCELLED

Per Voice Equivalent Channel

S25

\$25.00

Public Service Commission

MISSOURI

7.5.10 Message Station Equipment Recovery Charge

USOC

Monthly Rate

Message Station Equipment Recovery Charge

- Per Special Access Surcharge Assessed

UTM

None

(1) NCTE will only be provided under tariff if it existed in the Telephone Company's inventory as of November 18, 1983.

Issued:

JUN 27 1986

Effective:

1 1986 JUL

Access Services Tariff
Section 7
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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

DEC 29 1303

Public Somite Commission

- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.2 Digital Services-(Continued)
 - B. Digital Data Access Services-(Continued)
 - 2. Digital Data Access 2 (DA2) Special Access Service
 - a. Description

Special Access Service DA2 provides a channel for duplex four-wire transmission capability of serial synchronous data at the 4.8 kbps rate between an IC terminal locations and an End User's premises. The service is synchronous with timing provided through the Telephone Company's facilities to the End User on the received bit stream.

DA2 is available only between the IC terminal location and locations designated by the Telephone Company which are served by digital facilities. All other locations are connectible to the Telephone Company-designated digital Hub only through an analog off-network extension which is provided as a Voice Grade 10 Service as set forth in Paragraph 7.2.1, B., preceding.

b. Illustrative Application

Special Access Service DA2 is suitable for use as part of the facilities required to provide intrastate telecommunications. services such as:

- Digital Data - 4.8 kbps

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JUL 1 1986

BY 12t R.S. 102

PUBLIC SERVICE COMMISSION
OF MISSOURI

JAN - 1 1981 83 - 253

Issued: DEC 29 1983

P.S.C. Mo. - No. 36 **ACCESS SERVICES TARIFF**

Southwestern Bell Telephone Company d/b/a AT&T Missouri

Section 7 5th Revised Sheet 103 Replacing 4th Revised Sheet 103

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rates and Charges-(Continued)

CANCELLED - Missouri Public Service Commission - 05/01/2024 - TN-2024-0278 - JI-2024-0140

Access Services Tariff
Section 7
4th Revised Sheet 103
Replacing 3rd Revised Sheet 103

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
 - 7.4 Rates and Charges-(Continued)
 - 7.4.8 DovLink Service-(Continued)

Monthly Rates

<u>USOC</u> <u>Fixed</u> <u>Per Mile</u>

C. Bridging

- Per Port Rates are as set forth in Paragraph

7.4.6, D.,1., preceding.

(MT)

Issued: February 9, 1993 Effective: April 19, 1993

(AT)

FC)

(MT)

(MT)

Access Services Tariff Section 7 3rd Revised Sheet 103 Replacing 2nd Revised Sheet 103

Monthly Rates

ACCESS SERVICES

| 7. | SPECIAL | ACCESS | SERVICE- | (Continued) |
|----|---------|--------|----------|-------------|
|----|---------|--------|----------|-------------|

7.4 Rates and Charges-(Continued)

Per Mile

7.4.8 DovLink Service-(Continued)

USOC C. Bridging

- Per Port Rates are as set forth in Paragraph

7.4.6(D)(1), preceding.

Fixed

(MT)(FC) 7.4.9 Special Access Surcharge

Monthly **USOC** Rate Per Voice Equivalent Channel S25 \$25.00

7.4.10 Message Station Equipment Recovery Charge

Monthly Rate USOC

Message Station Equipment Recovery Charge

Surcharge Assessed

- Per Special Access

UTM None CANCELLED
APR 19 1993

BY HIR.S Public Service Commission

MISSOURI

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DEC 4 1992

MO. FUNIO SERVICE GENERAL.

DEC - 4 1892

Issued: OCT - 5 1992 Effective 5 1992

Access Services Tariff
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Replacing 1st Revised Sheet 103

ACCESS SERVICES

USOC

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SPECIAL ACCESS SERVICE-(Continued)

AUG 9 1991

(AT) 7.4 Rates and Charges-(Continued)

7.4.10 Administrative Charges

MISSOURI
Public Service Commission

Access Order Charge

Nonrecurring Charges
(See Section 5)

2. Service Rearrangement Charge

Nonrecurring Charges
1st Ckt Addl. Ckt

-Per circuit(1) on the same Access Order for one or and combination of the following changes:

of the following changes:
- Access Carrier Name

(NR)\$10.00 (NR)\$6.00

- Billing Account Number (BAN).....

(NR) 11.00

(NR) 6.00

- Customer Circuit ID (CKR).

Abbreviation (ACNA). . . .

(NR) 9.00

(NR) 5.00

CANCELLED

DEC 4 1992 BY 3 rd R 5. 103

Public Service Commission MISSOURI

(1) Each leg of a multipoint service will be treated as a separate circuit and charges applied as described in Paragraph 7.3.1.

Issued: AUG 0 9 1991

Effective:

. , _ _ _

By R. D. BARRON, President-Missouri Division 3.0 SEP 3.0 1991

Southwestern Bell Telephone Company
St. Louis, Missouri

Public Service Commissi

P.S.C. Mo.-No. 36

No supplement to this tariff will be issued except for the purpose of canceling this tariff.

(CP) ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued) 7.

(RT)

Section 7 ist Revised Sheet 103 Replacing Original Sheet 0103 Through Original Subtraction 109 1st Revised Sheet 113 Original Sheet 114

Through Original Sheet 132 1st Revised Sheet 133 Original Sheet 134 Through Original Sheet 138 1st Revised Sheet 139 Original Sheet 140 Through Original Sheet 144 1st Revised Sheet 145 Original Sheet 146 1st Revised Sheet 147 Through 1st Revised Sheet 155 Original Sheet 156 Through Original Sheet 160 1st Revised Sheet 161 Original Sheet 162 Through By Service Commission 1st Revised Sheet 180 Public Service Commission Original

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SEP 3 0 1991

MISSOURI

Original Sheet 188

Through

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Original Sheet 184 1st Revised Sheet 185 Original Sheet 186

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Issued: JUN 27 1986

JUL Effective:

Access Services Tariff Section 7 Original Sheet 103

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

DEC 20 1003

- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.2 Digital Services-(Continued)

Public Son de Commission

- B. Digital Data Access Services-(Continued)
 - 2. Digital Data Access 2 (DA2) Special Access Service-(Continued)
 - c. Optional Features
 - Loop Transfer arrangement.
 - Central office bridging capability.
 - d. Transmission Performance
 - Error-Free Seconds

While in service, the monthly average of the error-free seconds will be equal to or greater than 99.875 percent.

e. Available Facility Interface Combinations

| <u>IC</u> | End Use | |
|------------|---------|--|
| 4DS9-15(1) | 6DU5-48 | |
| 6DU5-48 | 6DU5-48 | |

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JUL 1 1986

PUBLIC SERVICE COMMISSION

OF MISSOURI

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(1) Available only to IC's selecting the multiplexed four-wire DSX facility interface option at the IC terminal location and providing subsequent system and channel assignment data.

Issued: DEC 2 9 1983

Access Services Tariff
Section 7
4th Revised Sheet 104
Replacing 3rd Revised Sheet 104

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
 - 7.4 Rates and Charges-(Continued)
- (CT) 7.4.9 (Reserved for Future Use)

(RT)

Issued: January 10, 1997 Effective: February 10, 1997

Access Services Tariff Section 7 3rd Revised sheet 104 Replacing 2nd Revised Sheet 104

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

9 1993 FEB

7.4 Rates and Charges-(Continued)

M. SSECTI -udno Serviss Commic

Addl. Ckt

Nonrecurring

Charges

(AT)(FC) 7.4.9 Business Video Service

> Monthly USOC Rates 1st Ckt

A. Channel Termination

- Per point of termination

- Business Video I - Business Video II

THEV1 (NR) \$805.00 (NR) \$746.00 (NR) \$426.00 TMEV1 (NR) \$910.00 (NR) \$746.00 (NR) \$426.00

Monthly Rates

USOC

Fixed

Per Mile

В. Channel Mileage

1. Business Video I

Mileage Bands

0 Over 0 1L5XX

None

1L5XX (NR) \$65.00 (NR) \$13.00

2. Business Video II

Mileage Bands

0 Over 0

1L5XX

None-CHRO SZOCOO

(NR) \$15.00

APR 19 1993

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Issued: FEB 0 9 1993

Access Services Tariff
Section 7
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Replacing 1st Revised Sheet 104

ACCESS SERVICES

| 11 DIDOTIO MODDO DEMITTOR (CONTESTICADO) | 7. | SPECIAL | ACCESS | SERVICE- | (Continued) |) |
|--|----|---------|--------|----------|-------------|---|
|--|----|---------|--------|----------|-------------|---|

7.4 Rates and Charges-(Continued)

COT J.J.

(FC) 7.4.11 Administrative Charges

(MT)

1. Access Order Charges

Nonrecurring Charges
(See Section 5)

2. Service Arrangement Charge

USOC Nonrecurring Charges
1st Ckt Addl. Ckt

 Per circuit(1) on the same Access Order for one or and combination of the following changes:

- Access Carrier Name
Abbreviation (ACNA)... \$10.00 \$6.00

- Billing Account Number
(BAN)....... 11.00 6.00

- Customer Circuit ID (CKR).

9.00 5.00

CANCELLED

APR 19 1993

BY 3 Public Service Commission

MISSOURI

DEC 41992

(1) Each leg of a multipoint service will be treated as a separate circuit and charges applied as described in Paragraph 7.3.1.

DEC -4 1992

Issued: 0CT - 5 1992

Effective:

-NOV---5-1992

Access Services Tariff
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Replacing Original Sheet 104
Through

ACCESS SERVICES

TOUGH SERVICES

Original Sheet 109 1st Revised Sheet 110

. SPECIAL ACCESS SERVICE-(Continued)

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Through
1st Revised Sheet 113

AUG 9 1991 Ist Revised Sheet 113
Original Sheet 114
Through

MISSOURI Original Sheet 132

Public Service Commission Revised Sheet 133

Original Sheet 134
Through

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Through
Original Sheet 140

1st Revised Sheet 145

Original Sheet 146

1st Revised Sheet 147 Through

1st Revised Sheet 155 Original Sheet 156

> Through Original Sheet 160

1st Revised Sheet 161

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Original Sheet 179 1st Revised Sheet 180

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Through

Original Sheet 184 1st Revised Sheet 185

Original Sheet 185

Through

Original Sheet 188

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DEC 4 1992 By 2 nd R.S. 10

Public Service Commission
MISSOURI

Access Services Tariff Section 7 Original Sheet 104 المقال الرقار عائي

ACCESS SERVICES

DEC 2 3 1223

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Technical Service Descriptions for Special Access Service (Continued) ommission
 - 7.2.2 Digital Services-(Continued)
 - B. Digital Data Access Services-(Continued)
 - 3. Digital Data Access 3 (DA3) Special Access Service
 - a. Description

Special Access Service DA3 provides a channel for duplex fourwire transmission capability of serial synchronous data at the 9.6 kpbs rate between an IC terminal location and an End User's premises. The service is synchronous with timing provided through the Telephone Company's facilities to the End User on the received bit stream.

DA3 is available only between the IC terminal location and locations designated by the Telephone Company which are served by digital facilities. All other locations are connectible to the Telephone Company-designated digital Hub only through an analog off-network extension which is provided as a Voice Grade 10 Service as set forth in Paragraph 7.2.1, B., preceding.

b. Illustrative Application

Special Access Service DA3 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as:

- Digital Data - 9.6 kbps

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JUL 1 1986

PUBLIC SERVICE COMMISSION OF MISSOURI

Issued: DEC 2 9 1983

Access Services Tariff
Section 7
1st Revised Sheet 105
Replacing Original Sheet 105

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

(CT) 7.4.9 (Reserved for Future Use)

(RT)

(RT)

7.4.10 Special Access Surcharge

Monthly

USOC

. Rate .

Per Voice Equivalent

Channel

S25

\$25.00

7.4.11 Message Station Equipment Recovery Charge

Monthly

<u>USOC</u>

. Rate .

Message Station Equipment

Recovery Charge

- Per Special Access

Surcharge Assessd.

UTM

None

(RT)

(RT)

Issued: January 10, 1997 Effective: February 10, 1997

c.

(AT)

(TM)

Access Services Tariff
Section 7
Original Sheet 105

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

FEB 9 1993

7.4 Rates and Charges-(Continued)

(AT)(FC) 7.4.9 Business Video Service-(Continued)

| Optional Features and | | Monthly | Nonrecurring |
|-----------------------|-------------|---------|--------------|
| Functions | <u>USOC</u> | Rates | Charges |

1. Split Screen Capability

- Per Business Video Channel termination VSE (NR)\$130.00 XXXXX (NR)\$132.00*

| (MT)(FC) 7.4.10 | Special Access Surcharge | USOC | Monthly Rate |
|-----------------|---------------------------------|------|-----------------|
| | Per Voice Equivalent Channel | s25 | \$25.00 |

(FC) 7.4.11 Message Station Equipment Recovery Charge

| | Monthly |
|-------------|---------|
| <u>USOC</u> | Rate |

Message Station Equipment Recovery Charge

- Per Special Access Surcharge Assed.

UTM None

Public Service Commission

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(AT) * Applicable when ordered subsequently to the initial installation of ABRs in es 1993
(AT) Video Service.

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Issued: **FEB 0 9 1993**

Effective:

Access Services Tariff
Section 7
Original Sheet 105

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

DEC 29 1000

- 7.2 Technical Service Descriptions for Special Access Service (Continued)
 - 7.2.2 Digital Services-(Continued)
 - B. Digital Data Access Services-(Continued)
 - 3. Digital Data Access 3 (DA3) Special Access Service-(Continued)
 - c. Optional Features
 - Loop Transfer arrangement.
 - Central office bridging capability.
 - d. Transmission Performance
 - Error-Free Seconds

While in service, the monthly average of the error-free seconds will be equal to or greater than 99.875 percent.

e. Available Facility Interface Combinations

| <u> </u> | End User |
|------------|----------|
| 4DS9-15(1) | 6DU5-96 |
| 6DU5-96 | 6DU5-96 |

CANGELLED

JUL 1 1986

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83 - 253

(1) Available only to IC's selecting the meating fexed four-wire DSX facility interface option at the IC terminal location and providing subsequent system and channel assignment data.

Issued: **DEC** 29 1983

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rates and Charges-(Continued)
- 7.4.12 Administrative Charges

| Access Order Charges | Nonrecurring Charges |
|----------------------|----------------------|
| _ | (See Section 5) |

2. Service Arrangement Charge
USOC
USOC
Nonrecurring Charges
1st Ckt Addl. Ckt

- Per circuit(1) on the same Access Order for one or and combination of the following changes:

| - Access Carrier Name Abbreviation (ACNA) | \$10.00 | \$6.00 |
|---|---------|--------|
| - Billing Account Number (BAN) | 11.00 | 6.00 |
| - Customer Circuit ID (CKR). | 9.00 | 5.00 |

7.4.13 Rollover

| | USOC | Nonrecurring 1st Ckt | <u>Charges</u> <u>Addl. Ckt</u> | |
|--|-------|-------------------------|------------------------------------|------|
| Analog(2)/MegaLink Data(2) to 1.544 Mbps High Capacity per service rolled over | NRBRA | \$110.00 | \$80.00 | (CP) |
| 1.544 Mbps High Capacity to 1.544 Mbps High Capacity per service rolled over | NRBRH | \$115.00 | \$85.00 | |
| 1.544 Mbps High Capacity to MegaLink Customper service rolled over | NRBR1 | \$115.00 | \$85.00 | |

(1) Each leg of a multipoint service will be treated as a separate circuit and charges applied as described in Paragraph 7.3.1.

(2) Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

Issued: May 28, 2021 Effective: June 30, 2021

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

7.4.12 Administrative Charges

1. Access Order Charges

Nonrecurring Charges
(See Section 5)

USOC

2. Service Arrangement Charge

Nonrecurring Charges
1st Ckt Addl. Ckt

 Per circuit(1) on the same Access Order for one or and combination of the following changes:

- Access Carrier Name Abbreviation (ACNA). . . .

\$10.00 \$6.00

- Billing Account Number (BAN).

11.00 6.00

- Customer Circuit ID (CKR).

9.00 5.00

(AT) 7.4.13 Rollover

Nonrecurring Charges
USOC 1st Ckt Addl. Ckt

- Analog/MegaLink Data to 1.544 Mbps High Capacity

- per service rolled over NRBRA (NR) \$110.00 (NR) \$80.00

- 1.544 Mbps High Capacity to 1.544 Mbps High Capacity

- per service rolled over NRBRH \$115.00 \$85.00

- 1.544 Mbps High Capacity to MegaLink Custom

- per service rolled over NRBR1 (NR) \$115.00 (NR) \$85.00

(1) Each leg of a multipoint service will be treated as a separate circuit and charges applied as described in Paragraph 7.3.1.

Issued: February 18, 1994 Effective: March 20, 1994

By M. H. SCHULTEIS, Division Manager-Regulatory & Industry Relations

Southwestern Bell Telephone Company St. Louis, Missouri

CANCELLED June 30, 2021 Missouri Public Service Commission JI-2021-0210

(AT)

Access Services Tariff Section 7 Original Sheet 106

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

(FC) 7.4.12 Administrative Charges

2.

1. Access Order Charges

Nonrecurring Charges (See Section 5)

| Service Arrangement Charge | <u>usoc</u> | Nonrecurri | ng Charges Addl. Ckt |
|---|-------------|------------|-------------------------|
| - Per circuit(1) on the same Access Order for one or and combination of the following changes: | | | |
| - Access Carrier Name Abbreviation (ACNA) | | \$10.00 | \$6.00 |
| - Billing Account Number (BAN) | | 11.00 | 6.00 |
| - Customer Circuit ID (CKR). | | 9.00 | 5.00 |

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BY JOHR.S. TOG **Public Service Commission**

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(1) Each leg of a multipoint service will be treated as a separate strength common charges applied as described in Paragraph 7.3.1.

Issued: **FEB 0** 9 1993

(HT)

APR 1 9 1993 Effective: MAR-1-1993

By A. D. ROBERTSON, Assistant Vice President-External Affairs Southwestern Bell Telephone Company St. Louis, Missouri

Access Services Tariff Section 7 Original Sheet 106

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

DEC 29 1333

- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.2 Digital Services-(Continued)

Public Sarvice Commission

- B. Digital Data Access Services-(Continued)
 - 4. Digital Data Access 4 (DA4) Special Access Service
 - a. Description

Special Access Service DA4 provides a channel for duplex fourwire transmission capability of serial synchronous data at the 56 kbps rate between an IC terminal location and an End User's premises. The service is synchronous with timing provided through the Telephone Company's facilities to the End User on the received bit stream.

DA4 is available only between the IC terminal location and locations designated by the Telephone Company which are served by digital facilities. All other locations are connectible to the Telephone Company-designated digital Hub only through an analog off-network extension which is provided as a Wideband Digital Service as set forth in Paragraph 7.2.2, A., preceding.

b. Illustrative Application

Special Access Service DA4 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as:

- Digital Data 56 kbps
- c. Optional Features

- Loop Transfer arrangement.

- Central office bridging capability

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BY ALC.S. 106

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Issued: DEC 29 1983

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Technical Service Descriptions for Special Access Service-(Continued) Public Service Commission.
 - 7.2.2 Digital Services-(Continued)
 - B. Digital Data Access Services-(Continued)
 - Digital Data Access 4 (DA4) Special Access Service-(Continued)
 - d. Transmission Performance
 - Error-Free Seconds

While in service, the monthly average of the error-free seconds will be equal to or greater than 99.875 percent.

Available Facility Interface Combinations

IC End User 4DS9-15(1) 6DU5-56 . 6DU5-56 6DU5-56

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(1) Available only to IC's selecting the multiplexed four wire DSX facility interface option at the IC terminal location and providing subsequent system and channel assignment data.

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

DEC 28 1000

- 7.2 Technical Service Descriptions for Special Access Service-(Continued) Public Service Commission
 - 7.2.2 Digital Services-(Continued)
 - B. Digital Data Access Services-(Continued)
 - Subrate Multiplexed Digital Data Access 1 (SR1) Special Connector Service
 - a. Description

Special Access Service SRl provides the ability to combine up to 20 DA1 Special Access Services into a single channel of a HC1 Special Access Service. NOTE: The only rate elements applicable to this service are the Carrier Submultiplexing Unit and the Carrier Multiplexing Plug-Ins per 64 kbps channel.

- 6. Subrate Multiplexed Digital Data Access 2 (SR2) Special Connector Service
 - a. Description

Special Access Service SR2 provides the ability to combine up to 10 DA2 Special Access Services into a single channel of a HC1 Special Access Service. NOTE: The only rate elements applicable to this service are the Carrier Submultiplexing Unit and the Carrier Multiplexing Plug-Ins per 64 kbps channel.

- 7. Subrate Multiplexed Digital Data Access 3 (SR3) Special Connector Service
 - a. Description

Special Access Service SR3 provides the ability to combine up to five DA3 Special Access Services into a single channel of a HC1 Special Access Services NOTER The only rate elements applicable to this service the carrier Submultiplexing Unit and the Carrier Multiplexing Plug-Ins per 64 kbps channel.

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BY A S. DE

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ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Technical Service Descriptions for Special Access Service (Continued) SCICI
 - 7.2.2 Digital Services-(Continued)
 - C. High Capacity Services
 - 1. High Capacity 1 (HC1) Special Access Service
 - a. Description

Special Access Service HCl provides a channel for the transmission of nominal 1.544 Mbps isochronous serial data between an IC terminal location and an End User's premises, between IC terminal locations or between an IC terminal location and a Telephone Company-designated Hub where multiplexing is offered.

b. Illustrative Application

Special Access Service HC1 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as:

- 1.544 Mbps Access Line
- c. Optional Features
 - Automatic Protection Switching.
 - Central office multiplexing.
- Transmission Performance
 - Error-Free Seconds

While in service, 98.75 percent of the one-second intervals will be error-free measured over a continuous 24-hour period.

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- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.2 Digital Services-(Continued)
 - C. High Capacity Services-(Continued)

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Public Service Commission

- High Capacity I (HCl) Special Access Service-(Continued)
 - e. Available Facility Interface Combinations

| IC | End User |
|----------|----------|
| 4DS9-15J | 6DU9-A |
| 4DS9-153 | 6DU9-B |
| 4DS9-15K | 6DU9-B |
| 4DS9-15K | 6DU9-C |

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- 2. High Capacity IC (HCIC) Special Access Service
 - a. Description

Special Access Service HClC provides a channel for the transmission of nominal 3.152 Mbps isochronous serial data between IC terminal locations or between an IC terminal location and a Telephone Company-designated Hub where multiplexing is offered.

b. Illustrative Application

Special Access Service HClC is suitable for use as part of the facilities required to provide intrastate telecommunications services such as:

- 3.152 Mbps Access Line

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

DEC 29 1883

- 7.2 Technical Service Descriptions for Special Access Service (Continued)
 - 7.2.2 Digital Services-(Continued)

Public Service Commission

- C. High Capacity Services-(Continued)
 - 1. High Capacity 1 (HC1) Special Access Service-(Continued)
 - e. Available Facility Interface Combinations

| IC | End User | |
|---|---|---|
| 4DS9-15J 4DS9-15 4DS9-15K 4DS9-15K 4DS9-31(1) 4DS0-63(1) 4DS6-44(1) | 6DU9-A 6DU9-B 6DU9-B 6DU9-C 6DU9-A,B or C 6DU9-A,B or C 6DU9-A,B or C | OCT 1 5 1984 BY DE PS 110 PUBLIC SERVICE COMMISSION OF MISSOURI |
| 4DS6-27(1) | 6DU9-A,B or C | PUBLIC SERVING |

- 2. High Capacity 1C (HC1C) Special Access Service
 - a. Description

Special Access Service HC1C provides a channel for the transmission of nominal 3.152 Mbps isochronous serial data between IC terminal locations or between an IC terminal location and a Telephone Company-designated Hub where multiplexing is offered.

b. Illustrative Application

Special Access Service HC1C is suitable for use as part of the facilities required to provide intrastate telecommunications services such as:

- 3.152 Mbps Access Line

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(1) Available only to IC's selecting the multiplexed four-wire DSX facility interface option of the IC terminal location and providing subsequent system and channel assignment data.

Issued: DEC 2 9 1983

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.2 Digital Services-(Continued)
 - C. High Capacity Services—(Continued)

AUG 14 1004

2. High Capacity 1C (HClC) Special Access Service-(Continued)

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Public Service Commission

c. Optional Feature

- Central office multiplexing.

d. Available Facility Interface Combinations

IC End User(1)

4DS9-31 4DS9-31

4DS9-31(2) 6DU9-A, B or C

(AT)

- 3. High Capacity 2 (HC2) Special Access Service
 - a. Description

Special Access Service HC2 provides a channel for the transmission of nominal 6.312 Mbps isochronous serial data between IC terminal locations or between an IC terminal location and a Telephone Company-designated Hub where multiplexing is offered.

b. Illustrative Application

Special Access Service HC2 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as:

- Digital Service High Speed
- c. Optional Feature
 - Central office multiplexing. GANGELLED
- d. Available Facility Interface Combinations 1986

IC End User(1) PL S 103

4DS0-63 4DS0-63 BY DUBLIC SERVICE COMMISSION

4DS0-63(2) 6DU9-A, B OF COMMISSION

(AT)

(1) See Paragraph 7.4.5, B., following, for explanation.

(AT) (2) Available to IC's selecting the multiplexed 4-wire DSX facility intertace option of the IC terminal location and providing subsequent system and channel assignment data.

Issued: **AUG 1 5 1984** .

Effective: OCT 1 5 1984

Public Service Commission

By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

Access Services Tariff Section 7 Original Sheet 1115

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

DEC 29 (22)

- 7.2 Technical Service Descriptions for Special Access Service-(Continued) Public Service Commission
 - 7.2.2 Digital Services-(Continued)
 - C. High Capacity Services-(Continued)
 - 2. High Capacity IC (HC1C) Special Access Service-(Continued)
 - c. Optional Feature
 - d. Available Facility Interface Combinations IC

OCT 15 1984 3. High Capacity 2 (HC2) Special Access Service PUBLIC SERVICE COMMISSION

a. Description

a. Description

Special Access Service HC2 provides a channel for the transmission of nominal 6.312 Mbps isochronous serial data between IC terminal locations or between an IC terminal location and a Telephone Company-designated Hub where multiplexing is offered.

b. Illustrative Application

Special Access Service HC2 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as:

- Digital Service High Speed
- c. Optional Feature
 - Central office multiplexing.
- d. Available Facility Interface Combinations

IC End User(1) 4DS0-63 4DS0-63

(1) See Paragraph 7.4.5, B., following, for explanation.

Issued: DEC 29 1983

Effective:

JAN 0 1 1984

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SPECIAL ACCESS SERVICE-(Continued)

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7.2 Technical Service Descriptions for Special Access Service-(Continued)

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7.2.2 Digital Services-(Continued)

Public Service Commission

- C. High Capacity Services-(Continued)
 - 4. High Capacity 3 (HC3) Special Access Service
 - a. Description

Special Access Service HC3 provides a channel for the transmission of 44.736 Mbps isochronous serial data between IC terminal locations or between an IC terminal location and a Telephone Company-designated Hub where multiplexing is offered.

b. Illustrative Application

Special Access Service HC3 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as:

- Digital Service High Speed
- c. Optional Feature
 - Central office multiplexing.
- d. Available Facility Interface Combinations

IC End User(1)

4DS6-44 4DS6-44

4DS6-44(2) 6DU9 A TIBLE

JUL 1 1986

BY C 5.103

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(1) See Paragraph 7.4.5, B., following, for explanation.

(AT) (2) Available only to IC's selecting the multiplexed 4-wire DSX facility interface option of the IC terminal location and providing subsequent system and channel assignment data.

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Issued: AUG 1 5 1984

Effective: 007 1 5 (9)

Public Service Commission

By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

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ACCESS SERVICES

_DEC a s 1000

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Technical Service Descriptions for Special Access Service [Continued] Commission
 - 7.2.2 Digital Services-(Continued)
 - C. High Capacity Services-(Continued)
 - 4. High Capacity 3 (HC3) Special Access Service
 - a. Description

Special Access Service HC3 provides a channel for the transmission of 44.736 Mbps isochronous serial data between IC terminal locations or between an IC terminal location and a Telephone Company-designated Hub where multiplexing is offered.

b. Illustrative Application

Special Access Service HC3 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as: CANCELLED

- Digital Service High Speed
- c. Optional Feature
 - Central office multiplexing.
- d. Available Facility Interface Combinations

End User(1) 4DS6-44

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PUBLIC SERVICE COMMISSION

OF MISSOURI

(1) See Paragraph 7.4.5, B., following, for explanation.

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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Public Service Commission

- 7.2 Technical Service Descriptions for Special Access Service-(Continued).
 - 7.2.2 Digital Services-(Continued)
 - C. High Capacity Services+(Continued)
 - 5. High Capacity 4 (HC4) Special Access Service
 - a. Description

Special Access Service HC4 provides a channel for the transmission of 274.176 Mbps isochronous serial data between IC terminal locations or between an IC terminal location and a Telephone Company-designated Hub where multiplexing is offered.

b. Illustrative Application

Special Access Service HC4 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as:

- Digital Service High Speed
- c. Optional Feature
 - Central office multiplexing.
- d. Available Facility Interface Combinations

JUL 1 1986

BY R.S. DS
PUBLIC SERVICE COMMISSION

(1) See Paragraph 7.4.5, B., following, for explanation.

AT) (2) Available only to IC's selecting the multiplexed 4-wire DSX facility [5])
interface option of the IC terminal location and providing subsequent
system and channel assignment data.

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Issued: AUG 1 5 1984

Effective: OCT 1 5 984 Dic Service Commission

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.2 Technical Service Descriptions for Special Access Service-(Continued)
 - 7.2.2 Digital Services-(Continued)

DEC 29 1283

- C. High Capacity Services-(Continued)
 - 5. High Capacity 4 (HC4) Special Access Service
- Public Service Commission

a. Description

Special Access Service HC4 provides a channel for the transmission of 274.176 Mbps isochronous serial data between IC terminal locations or between an IC terminal location and a Telephone Company-designated Hub where multiplexing is offered.

b. Illustrative Application

Special Access Service HC4 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as:

- Digital Service High Speed
- c. Optional Feature
 - Central office multiplexing?
- Available Facility Interface Combinations

End User(1)

4DS6-27 4DS6-27 CANCELLED

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Effective:

JAN 0 1 1984

By R. D. BARRON, Vice President-Missouri Southwestern Bell Telephone Company St. Louis. Missouri

(I) See Paragraph 7.4.5, B., following, for explanation.

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.3 Facility Interface Codes

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This Section explains the facility interface codes secliforth in Paragraphs 7.2.1 and 7.2.2, preceding, that the IC can specify when ordering Special Access Service. Included is an example which explains the specific characters of the code, a glossary of facility interface codes and impedance levels.

Example: If the IC specifies a 2DC8-3 facility interface at the IC terminal location, it is requesting the following:

2 = Number of physical wires at IC terminal location

DC = Facility interface for direct current or voltage

8 = Variable impedance level

3 = Metallic facilities (DC continuity) for direct current/low-frequency control signals or slow-speed data (30 baud)

7.3.1 Glossary of Facility Interface Codes and Options

| <u>Code</u> | <u>C</u> |)ption | <u>Definition</u> | | |
|-------------|----------|--------|---|--|--|
| AB | - | | accepts 20 Hz ringing signal at IC point of interface | | |
| AC | - | | accepts 20 Hz ringing signal at End User's network interface | | |
| AH | _ | | analog high capacity interface | | |
| | _ | В | 60 kHz to 108 kHz (12 channels) | | |
| | - | C | 312 kHz to 552 kHz (60 channels) | | |
| | _ | Ď . | 564 kHz to 3084 kHz (600 channels) | | |
| DA | _ | _ | data stream in VF frequency band at End User's network | | |
| | | | interface | | |
| DB | - | | data stream in VF frequency band at IC point of interface location | | |
| | _ | 10 | VF for NB4 and NB5 | | |
| | _ | 43 | VF for 43 telegraph carrier-type signals, NB4 and NB5 | | |
| DC | _ | 40 | direct current or voltage | | |
| DC | _ | 1 | - | | |
| | | 1 | monitoring interface with series RC combination (McCulloh format) | | |
| | _ | 2 | Telephone Company-energized alarm channel | | |
| | - | 3 | Metallic facilities (DC continuity) for direct current/ | | |
| | | | low-frequency control signals or slow-speed data (30 baud) | | |
| DD | - | | DATAPHONE Ballect Hand TABS) interface at IC point of interface | | |
| DE | - | | DATAPHONE Select-A-Station (and TABS) interface at the End User's NIJUL 1 | | |
| | _ | | BY Q.S. LO3 PUBLIC SERVICE COMMISSION Public Service Commission | | |

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ACCESS SERVICES

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- SPECIAL ACCESS SERVICE-(Continued)
 - 7.3 Facility Interface Codes-(Continued)

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7.3.1 Glossary of Facility Interface Codes and Options-(Continued)

| Code | ode Option <u>Definition</u> | | <u>Definition</u> |
|------|------------------------------|-------------|--|
| ро | - | | digital interface at IC terminal location at the digital signal level zero A (DS-OA) |
| DS | - | | digital hierarchy interface |
| | _ | 15 | 1.544 Mbps (DS1) format per PUB41451 plus D4 |
| | - | 15E | 8-bit PCM encoded in one 64 kbps of the DS1 signal |
| | - | 15F | 8-bit PCM encoded in two 64 kbps of the DSl signal |
| | _ | 15G | 8-bit PCM encoded in three 64 kbps of the DS1 signal |
| | - | 15H | 14/11-bit PCM encoded in six 64 kbps of the DS1 signal |
| | - | 15 J | 1.544 Mbps format per PUB 41451 |
| | • | 15K | 1.544 Mbps format per PUB 41451 plus extended framing |
| | | | format |
| | - | 15L | 1.544 Mbps (DS1) with SF signaling |
| | - | 27 | 274.176 Mbps (DS4) |
| | _ | 27L | 274.176 Mbps (DS4) with SF signaling |
| | - | 31 | 3.152 Mbps (DS1C) |
| | - | 31L | 3.152 Mbps (DS1C) with SF signaling |
| | - | 44 | 44.736 Mbps (DS3) |
| | - | 44L | 44.736 Mbps (DS3) with SF signaling |
| | - | 63 | 6.312 Mbps (DS2) |
| | - | 63L | 6.312 Mbps (DS2) with SF signaling |

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.3 Facility Interface Codes-(Continued)

7.3.1 Glossary of Facility Interface Codes and Options (Continued) Commission

| <u>Code</u> | Option | <u>Definition</u> | | |
|-------------|--------|---|--|--|
| DU | | 1/2/4-1 | | |
| DU | - | digital access interface | | |
| | - 24 | 2.4 kbps | | |
| | - 48 | 4.8 kbps | | |
| | - 56 | 56.0 kbps | | |
| | - 96 | 9.6 kbps | | |
| | - A | 1.544 Mbps format per PUB 41451 | | |
| | - B | 1.544 Mbps format per PUB 41451 plus D4 | | |
| | - C | 1.544 Mbps format per PUB 41451 plus extended | | |
| | | framing format | | |
| DX | - | duplex signaling interface at IC PDI | | |
| DY | - | duplex signaling interface at End User's NI | | |
| EA | - E | Type I E&M Lead Signaling. IC at POI or End User | | |
| | | at NI originates on E Lead. | | |
| EA | - M . | Type I E&M Lead Signaling. IC at POI or End User | | |
| | | at NI originates on M Lead. | | |
| EB | - E | Type II E&M Lead Signaling. IC at POI or End User | | |
| | | at NI originates on E Lead. | | |
| EB | - M | Type II E&M Lead Signaling. IC at POI or End User | | |
| | | at NI originates or M Lead. | | |
| EC | - | Type III E&M signaling at IC terminal POI tandem | | |
| EX | - A | channel unit signaling for loop start or ground | | |
| | * | start and IC supplies open end (dial tone, etc.) | | |
| | | functions. | | |
| EX | - B | tandem channel unit signaling for loop start or | | |
| | | ground start and IC supplies closed end (dial tone, | | |
| | | etc.) functions. | | |
| | | | | |

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.3 Facility Interface Codes-(Continued)

7.3.1 Glossary of Facility Interface Codes and Options-(Continued)

| <u>Code</u> <u>Option</u> | Definition |
|---------------------------|---|
| GO - | ground-start loop signaling - open-end function by IC or End User |
| GS - | ground-start loop signaling - closed-end function by IC or End User |
| IA - | E.I.A. (25 pin RS-232) |
| LA - | End User's loop-start loop signaling - Type A OPS registered port open end |
| LB - | End User's loop-start loop signaling - Type B OPS registered port open end |
| LC - | End User's loop-start loop signaling - Type C OPS registered port open end |
| LO - | loop-start loop signaling - open-end function by IC or End User |
| LR - | 20 Hz automatic ringdown interface at IC with Telephone Company-provided PLAR |
| LS - | loop-start loop signaling - closed-end function by IC or End User |

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Facility Interface Codes-(Continued)

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7.3.1 Glossary of Facility Interface Codes and Options-(Continued)

| Code | | Option | Definition Public Service Commission | | |
|------|---|------------|---|--|--|
| | - | <u> </u> | To a sea to the season of the | | |
| NO | _ | | no signaling interface, transmission only | | |
| PG | _ | | program transmission - no dc signaling | | |
| | _ | 1 | nominal frequency from 50 to 15,000 Hz | | |
| | - | 3 | nominal frequency from 200 to 3,500 Hz | | |
| | ĩ | , 5 | nominal frequency from 100 to 5000 Hz | | |
| | - | 8 | nominal frequency from 50 to 8,000 Hz | | |
| RV | - | 0 | reverse battery signaling, one-way | | |
| | | | operation, originate by IC | | |
| | - | T | reverse battery signaling, one-way opera- | | |
| | | | tion, terminate function by IC or End User | | |
| SF | - | | single frequency signaling within VF band at | | |
| | | | either IC POI or End User's NI | | |
| TF | - | | telephotograph interface | | |
| TT | - | | telegraph/teletypewriter interface at either | | |
| | | | IC POI or End User's NI | | |
| | - | 2 | 20.0 milliamperes | | |
| | - | · 3 | 3.0 milliamperes | | |
| | - | 6 | 62.5 milliamperes | | |
| WA | - | | wideband bandwidth interface at End User's NI | | |
| | - | 1 | limited bandwidth | | |
| | - | 2 | nominal passband from 29,000 to 44,000 Hz | | |
| WB | - | | wideband data interface at IC POI | | |
| | - | 18S | 18.75 kbps, synchronous | | |
| | - | 19A | up to 19.2 kbps asynchronous | | |
| | - | 195 | 19.2 kbps synchronous | | |
| • | - | 23A | up to 230.4 kbps, asynchronous | | |
| | - | 23S | 230.4 kbps, synchronous | | |
| | - | 40S | 40.8 kbps, synchronous | | |
| | - | 50A | up to 50.0 kbps, asynchronous | | |
| | - | 50S | 50.0 kbps, synchronous | | |

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7. SPECIAL ACCESS SERVICE-(Continued)

DEC 29 1033

7.3 Facility Interface Codes-(Continued)

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7.3.1 Glossary of Facility Interface Codes and Options-(Continued)

| Code | Code Option | | <u>Definition</u> |
|------|-------------|----------|--|
| WB | (co | ntinued) | |
| | - | 64 | 64.0 kbps, restored polar |
| WC | - | | wideband data interface at End User's NI |
| | - | 18 | 18.75 kbps, synchronous |
| | - | 19 | for 12-wire interface: 19.2 kbps, synchronous |
| | | | for 10-wire interface: up to 19.2 kbps, asynchronous |
| | - | 23 | up to 230.4 kbps, asynchronous |
| | - | 23S | 230.4 kbps, synchronous |
| | - | 40 | 40.8 kbps, synchronous |
| | - | 50 | for 12-wire interface: 50.0 kbps, synchronous |
| | | | for 10-wire interface: up to 50.0 kbps, asynchronous |
| WD | - | | wideband bandwidth interface at IC POI |
| | - . | 1 | nominal passband from 300 to 18,000 Hz |
| | - | 2 | nominal passband from 28,000 to 44,000 Hz |
| | - | 3 . | nominal passband from 29,000 to 44,000 Hz |

7.3.2 Impedance

The nominal reference impedance with which the IC or End User will terminate the channel for the purposes of evaluating transmission performance:

| 110 150 600 900 1200 135 75 124 Variable BY PUBLIC SERVICE COMMISSION OF MISSOURI 0 1 2 3(1) 4 6 7 7 1/1 8 8 8 3 - 2 5 | |
|---|--|

(1) For those interface codes with a four-wire transmission path at the POI at the IC's terminal location, rather than a standard 900 ohm impedance the code (3) denotes an IC-provided transmission equipment termination. Such terminations were provided to IC's in accordance with the F.C.C. Docket No. 20099 Settlement Agreement.

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

DEC 20 183

- 7.3 Facility Interface Codes-(Continued)
- 7.3.3 Digital Hierarchy Facility Interface Codes (4DS9)(1)

This facility interface is available only to IC's that select the multiplexed four-wire DSX-1 or higher facility interface option at the IC terminal location and provide subsequent system and channel assignment data.

The various digital bit rates in the digital hierarchy employ the facility interface code 4DS9 plus the speed options indicated below:

| Interface Code and Speed Option | Nominal Bit Rate (Mbps) | Digital Hierarchy Level |
|---------------------------------|----------------------------|----------------------------|
| 4DS9-15 | 1.544 | DS1 |
| 4DS9-15L | 1.544 | DS1 |
| 4DS9-31 | 3.152 | DSIC |
| 4DS9-31L | 3.152 | DS1C |
| 4DS0-63 | 6.312 | DS2 |
| 4DS0-63L | 6.312 | DS2 |
| 4DS6-744 | 44.736 | DS3 |
| 4DS6-44L | 44.736 | DS3 |
| 4DS6-27 | 274.176 | DS4 |
| 4DS6-27L | 274.276 | DS4 |
| | | |

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(1) For those interface codes with a four-wire transmission path at the POI at the IC's terminal location, rather than a standard 900 ohm impedance the code (3) denotes an IC-provided transmission equipment termination. Such terminations were provided to IC's in accordance with the F.C.C. Docket No. 20099 Settlement Agreement.

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SPECIAL ACCESS SERVICE-(Continued)

DEC 29 (23)

7.4 Rate Regulations

This Section contains the specific regulations governing the rates and charges that apply for Special Access Service.

7.4.1 Types of Rates and Charges

There are two types of rates and charges. These are monthly recurring rates and nonrecurring charges. In addition, there are three types of nonrecurring charges. The rates and charges are described as follows:

A. Monthly Rates

Monthly rates are flat recurring rates that apply each month or fraction thereof that a Special Access Service is provided. For billing purposes, each month is considered to have 30 days.

B. Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for a specific work activity (i.e., installation or change to an existing service). The three types of nonrecurring charges that apply for Special Access Service are: installation of service, installation of feature(s) and function(s) and service rearrangements.

1. Installation of Service

Nonrecurring charges apply to each service installed. When multiple identical services (i.e., services between the same locations and for the same customer) are ordered and installed at the same time, there is a charge for the first service installed and a lower charge for each additional identical service installed. Nonrecurring charges for the installation of all services but Dedicated Access Line Services apply per service termination (i.e., IC terminal location and End User's premises). The nonrecurring charges for these services are set forth in the rate schedule with the facility interface combinations in Paragraph 7 13 14 160 llowers. The nonrecurring charges for Dedicated Acting the Services associated with two-wire and four-wire Special Access Lines that are used to plant It, It, IV provide service and are set forth in Paragraph 7.5.4, following, with the associated Special Access Lines. 1 1984

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- SPECIAL ACCESS SERVICE-(Continued)
 - 7.4 Rate Regulations-(Continued)
 - 7.4.1 Types of Rates and Charges (Continued)
 - B. Nonrecurring Charges-(Continued)
 - Installation of Service -(Continued)

In addition, there is a separately stated nonrecurring charge associated with the installation of Voice Grade Service (i.e., VG1-3, 5-10) which varies by the specific performance desired (e.g., VG2, VG3, etc.). These nonrecurring charges, which apply per two-point service or each section of a multipoint service are set forth in the rate schedule in Paragraph 7.5.3, B., following.

2. Installation of Features and Functions

Nonrecurring charges apply for the installation of the various features and functions available with Special Access Service. For some features and functions there is a lower charge if installed coincident with the service and a higher charge if installed subsequent to the installation of the service.

3. Service Rearrangements

Nonrecurring charges apply for service rearrangements. Service rearrangements are changes to existing services that do not result in a change to any of the following: (1) address of the IC terminal location, (2) address of the End User's premises, (3) type of service or (4) the WATS or WATS-type serving office (for Dedicated Access Line Service only). Changes of this nature constitute a discontinueance and start of service.

Service Rearrangement Charges are based on the nonrecurring (i.e., installation) charge of the service being changed. Following are the service rearrangements that are allowable for Special Access Service and the appropriate levels of charging:

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SPECIAL ACCESS SERVICE-(Continued)

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7.4 Rate Regulations-(Continued)

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7.4.1 Types of Rates and Charges - (Continued)

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- B. Nonrecurring Charges-(Continued)
 - 3. Service Rearrangements-(Continued)
 - a. Service Rearrangements for Services Other Than Dedicated Access Line Service

Type of Change

Level of Charging

Change from two-wire to four-wire or from four-wire to two-wire

Full nonrecurring charge associated with the facility interface combination for the service being changed

Change in facility interface that does not result in a change to any other rate element (e.g. 2LS2 to 2GS2) One-half of the nonrecurring charge associated with the facility interface combination for the service being changed

Change in facility interface that results in changes to other rate element(s), (e.g., 4GS2 to 4DS9-15)

Full nonrecurring charge associated with the facility interface combination for the service being changed

b. Service Rearrangements for Dedicated Acess Line Service

Type of Change

Level of Charging

Change from two-wire to four-wire or from four-wire to two-wire

Full SAL nonrecurring charge for the SAL being changed to, per service changed

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rate Regulations-(Continued)
 - 7.4.1 Types of Rates and Charges (Continued)
 - B. Nonrecurring Charges-(Continued)
 - Service Rearrangements-(Continued)
 - Service Rearrangements for Dedicated Access Line Service-(Continued)

Type of Change

Level of Charging

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Change in facility interface (i.e., Supervisory signaling) at End User's premises (e.g., 2LS2 to 2GS2) One-half of the SAL nonrecurring charge, per service changed

In cases where multiple service rearrangements or a move and a service rearrangement are requested on a single order, the total charge (i.e., the Service Rearrangement Charge or the Service Rearrangement Charge and the Move Charge) will never exceed the full nonrecurring charge for the basic service.

- 7.4.2. Surcharge for Special Access Service
 - A. General

In addition to the rates and charges described in Paragraph 7.4.1, preceding, there is a monthly surcharge of \$28.23 that applies to two-point subvoice grade, voice grade and equivalent voice grade Special Access Services (e.g., the surcharge for a group level service would be \$338.76 or 12 x \$28.23). For multipoint services, the \$28.23 surcharge applies for each End User's longitude of the service. This surcharge is to compensate the Telephone Company for use of the local exchange network by Special Access Services that are classified as intrastate jurisdiction.

B. Exceptions to the Surcharge Application | A | C.S. | O.3 |

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Recognizing that not all services can utilize Mineral exchange network, certain uses of Special Access Service. | 83 - 253

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.4 Rate Regulations-(Continued)
 - 7.4.2 Surcharge for Special Access Service-(Continued)
 - B. Exception to the Surcharge Application-(Continued)

are exempt from the surcharge. Following is a listing of the exempt categories:

- Any termination of an analog service that is used for program audio transmission.
- Any termination of a service that is used for Telex service.
- 3. Any termination of a service that by nature of its operating characteristics could not make use of common lines.
- 4. Any termination of a service that is associated with Switched Access Service that is subject to Carrier Common Line Charges.

C. Self Reporting

In order for the Telephone Company to determine the application of the surcharge with respect to specific services, the IC must report the intended use of all services when placing orders for Special Access Service. In addition, when ordering high capacity analog or digital services, the IC must also report the use for each voice equivalent channel of the high capacity service. When any service or channel of a service is reported to be used in any manner described in Paragraph 7.4.2, B., preceding, the surcharge will not apply. If the intended use is not reported, the Telephone Company will automatically bill the appropriate surcharge on each Special Access Service installed.

The Telephone Company reserves the right to audit the use of the service at any time. If the service is found to be used for a type of operation other than that reported by the IC, and a surcharge would apply for that type of operation the ffelephone Company will notify the IC and will begin to apply the surcharge.

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.4 Rate Regulations-(Continued)
 - 7.4.2 Surcharge for Special Access Service-(Continued)
 - D. Crediting the Surcharge

If, at any time after the installation of a service which is subject to the surcharge, the IC reports that the service is being used in association with a Switched Access Service that is subject to Carrier Common Line Charges, the Telephone Company will credit the IC for the surcharge. The credit will be effective on the date that the Special Access Service became associated with the Switched Access Service.

7.4.3 Minimum Periods

Special Access Service is provided for a specified minimum period. The minimum period and the applicable charges for that period are dependent on the interval (i.e., standard, negotiated or short notice) under which service is provided. Minimum periods and minimum period charges are described in detail in Section 5, preceding.

7.4.4 Moves

A move involves a change in the physical location of one of the following:

- The point of interface at the IC terminal location
- The IC terminal location
- The network interface at the End User's premises
- The End User's premises,
- The WATS serving office (Dedicated Access Line Service only)

The charges for the move are dependent on whether the move is to a new location within the same building or to a different building.

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

7.4 Rate Regulations-(Continued)

7.4.4 Moves

A. Moves Within the Same Building

When the move is to a new location within the same building, for all services except Dedicated Access Line Service, the charge for the move will be an amount equal to one-half of the nonrecurring (i.e., installation) charge for the service termination affected, i.e., the IC terminal location or the End User's premises. For Dedicated Access Line Services, the charge for the move will be an amount equal to one-half of the nonrecurring charge of the Special Access Line used to provide the service. There will be no change in the minimum period requirements. If a move is made at the same time a service rearrangement is made, the total charge will never exceed a full nonrecurring charge for the basic service.

B. Moves to a Different Building

Moves to a different building will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established for the new services. The IC will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

7.4.5 Rate Application Exception Rules

A. Intrabuilding Access Services

Intrabuilding cable facilities, provided by the Telephone Company to connect two IC terminal locations or an IC terminal location and an End User's premises in the same public building, will be rated as an Access Connection and an appropriate facility interface combination. The Special Transport and Special Access Line rate elements will not apply to this type of service.

B. IC Terminal Location to IC Terminal Location

When two IC terminal locations are Connected the Ether via Special Access Service, the IC will be billed as though the service were connecting an IC terminal location and an End User's premises, i.e., Access Connection, Special Transport, Features and Functions (facility interface combination) and Special Access Line. One of the IC terminal locations will be treated as an End liser's premises 1 192:

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- SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rate Regulations-(Continued)
- 7.4.5 Rate Application Exception Rules-(Continued)
- C. End User to End User

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When two End User's premises are connected together via Special Access Service, the IC will be billed as though the service were connecting an IC terminal location and an End User's premises, i.e., Access Connection, Special Transport, Features and Functions (facility interface combination) and Special Access Line. The End User's premises at which the service connects to intrastate service will be treated as an IC terminal location.

D. Dedicated Access Line Service

When Dedicated Access Line Service is provided, the only rate elements which apply are Special Access Lines (SAL) between the End User's premises and the end office (i.e., WATS or WATS-type serving office) and, when the end office is not a WATS or WATS-type serving office, Special Transport to extend the SAL to a WATS or WATS-type serving office. The nonrecurring charge for this service is that for the Special Access Line. A Special Access Service Surcharge as set forth in Paragraph 7.4.2, A., preceding, applies for each Dedicated Access Line Service installed.

When extensions (i.e., additional terminations of the service at another building in the same or a different LATA) are provided, they are rated in the following manner. Extensions within the LATA are provided as additional Special Access Lines and Special Transport as required. The Special Access Line nonrecurring charge will also apply. Extensions in different LATA's are rated as Special Transport (from the extension bridging point to the IC serving wire center), Access Connections and one-half of the monthly recurring rates and nonrecurring charges for the appropriate facility interface combination. No Special Access Service Surcharge applies to the leaves for service.

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7.4 Rate Regulations-(Continued)

7.4.6 Mileage Measurement

The mileage to be used to determine the monthly rate for the Special Transport is calculated on the air line distance between the serving wire centers involved (i.e., IC serving wire center, Hub serving wire center or End User's serving wire center). The V & H coordinates method is used to determine mileage. This method is explained in the Rate and Regulations Section, Section 2, Paragraph 2.7, preceding.

Mileage is shown in Paragraph 7.5.2, following, in terms of mileage bands. To determine the rate to be billed, first compute the mileage using the V & H coordinates method, then find the band into which the computed mileage falls and apply the rates shown for that band to the actual number of miles. There are two rates that apply for each mileage band, i.e., a flat rate for the band and a rate per mile.

When Hubs are involved, mileage rates are computed separately for each section of the Special Transport mileage, i.e., IC serving wire center to Hub, Hub to Hub and/or Hub to End User's serving wire center.

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7. SPECIAL ACCESS SERVICE-(Continued)

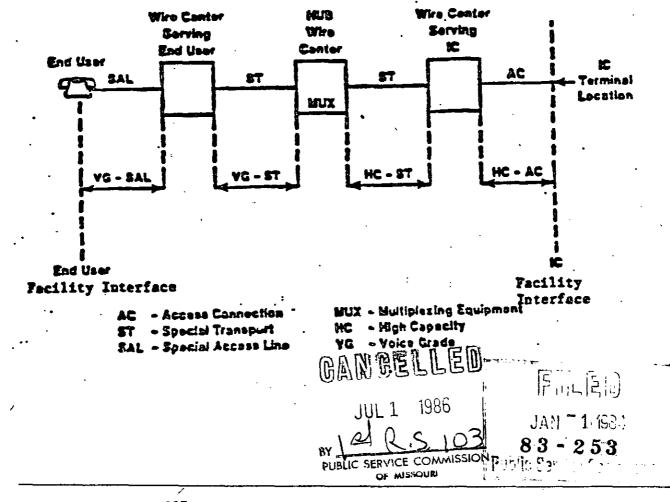
7.4 Rate Regulations-(Continued)

7.4.7 Facility Hubs

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An IC has the option of ordering high capacity analog or digital facilities (i.e., Group, Supergroup, DS1, DS1C, DS2, DS3 or DS4) to a facility Hub for channelizing to individual services requiring lower capacity facilities (e.g., Voice, Program Audio, etc.).

MULTIPLEXING FACILITY HUB



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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

DEC 2 5 1000

- 7.4 Rate Regulations-(Continued)
 - 7.4.7 Facility Hubs-(Continued)

The Telephone Company will designate the facility Hub locations. Different locations may be designated as Hubs for different facility capacities, e.g., multiplexing from digital to digital may occur at one location while multiplexing from digital to analog may occur at a different location. The IC will choose the desired Hub from a list that the Telephone Company will make available.

Some of the types of multiplexing provided include the following:

- from higher to lower bit rate
- from higher to lower bandwidth
- from digital to Voice Grade Service
- from digital to Program Audio Service

The transmission performance for the end-to-end service provided from the IC terminal location to the End User's premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps service is multiplexed to voice frequency channels, the transmission performance will be voice grade, not high capacity.

The Telephone Company will commence billing the monthly rate for the Access Connection and the Special Transport for the high capacity facility to the Hub as soon as it is provided, even though individual services utilizing those facilities may not be ordered and installed until a later date. If the IC has designated the type of multiplexing to be provided, the nonrecurring charge for the multiplexer will be billed to the IC at that time and the billing for the monthly rate will begin.

Individual service rates (by service type) will apply for the facility interface combination, the Special Access Line, Special Access Service Surcharge and additional Special Transport (if required) for each channelized service. These will be proposed to the IC as each individual service is installed.

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SPECIAL ACCESS SERVICE-(Continued)

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7.4 Rate Regulations-(Continued)

7.4.8 Shared Use Analog and Digital High Capacity Services

Shared use occurs when Special Access Service and Switched Access Service are provided over the same high capacity facilities through a common high capacity interface. This sharing arrangement is available only for existing services. The Special Access Service portion of the shared facilities will be billed at individual service rates (i.e., Voice Grade, Program Audio or Digital Data Access). No multiplexing charge will apply. See also Paragraph 5.2.7, preceding.

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

7.5 Rates and Charges

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7.5.1 Access Connections

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| Each: | USOC | Rates | |
|--|-------|---|--|
| 2-Wire (for use with NBI-2, 4-5, VGI-3, VG5-IO and API-4) | 1xc2x | \$4.14 | |
| 4-Wire (for use with NB4-5, VG1-3, VG5-10 and DA1-4 with DU facility interface) | 1XC4X | \$9.01 | |
| Group (for use with WA1 & WA1T- two are required for WA1T) | 1XG++ | ICB rates and charges apply | |
| Supergroup (for use with WA2) | 1XS++ | ICB rates and charges apply | |

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

7.5 Rates and Charges

7.5.1 Access Connections

| Each: | USOC | Monthly Rates |
|---|---------------|---|
| 2-Wire (for use with NB1-5, VG1-3, VG5-10 and AP1-4) | 1 XC2X | \$4.14 |
| 4-Wire (for use with NB4-5, VG1-3, VG5-10 and DA1-4 with DU facility interface) | 1XC4X | \$9.01 |
| Group (for use with WA1 & WA1T- two are required for WA1T) | 1XG++ | ICB rates and charges apply |
| Supergroup (for use with WA2) | 1XS++ | ICB rates and charges apply |

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

7.5 Rates and Charges-(Continued)

7.5.1 Access Connections-(Continued)

| Each: | USOC | Monthly Rates |
|----------------------------------|-------|---|
| 19.2 kbps (for use with WD1) | 1XV++ | ICB rates and charges apply |
| 50 kbps (for use with WD2) | 1XQ++ | ICB rates and charges apply |
| 230.4 kbps (for use with WD3) | 1XK++ | ICB rates and charges apply |
| 56 kbps (for use with WD4) | 1X5++ | ICB rates and charges apply |

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SPECIAL ACCESS SERVICE-(Continued)

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7.5 Rates and Charges-(Continued)

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Monthly

7.5.1 Access Connections-(Continued)

<u>USOC</u> <u>Rates</u> 1XCDX \$115.56

DS1C - 3.152 Mbps (for use with HC1C)

DS1 - 1.544 Mbps

(for use with HCl)

rates and charges apply

ICB

DS2 - 6.312 Mbps (for use with HC2)

1X6++ ICB rates

and charges apply

DS3 - 44.736 Mbps (for use with HC3)

1X8++ ICB rates

and charges apply

DS4 - 274.176 Mbps (for use with HC4)

1X9++

1XA++

ICB rates and charges apply

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- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)

| 7. | .5.2 | Special | Transport |
|----|------|---------|-----------|
|----|------|---------|-----------|

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| | | | Mont | y Rates | |
|--|-------------|----------------|--------------|---------|----------|
| • | | Mileage | Fixed | - | Rate per |
| Each: | USOC | Band | Rate | | Mile |
| | | | | | |
| 2-Wire - Metallic (for use with NB1) | 1L5XX | All | None | + | \$6.55 |
| 2-Wire - Metallic/other means (for use with NB2) | 1L5XX | All | None | + | 6.55 |
| 75 Baud | 1L5XX | 0 to 4 | \$ 11.51 | + | 6.66 |
| (for use with NB4) | 120 | Over 4 to 8 | 24.83 | + | 3.33 |
| (202 420 | | Over 8 to 16 | 33.50 | | |
| | | Over 16 to 25 | 33.50 | | |
| | | Over 25 to 50 | 52.70 | | 1.48 |
| | | Over 50 to 100 | 73.58 | | 1.06 |
| • | | Over 100 | 106.33 | + | .73 |
| 150 Baud | 1L5XX | 0 to 4 | 8.82 | + | 4.36 |
| (for use with NB5) | | Over 4 to 8 | 9.86 | | 4.10 |
| , | | Over 8 to 16 | 23.32 | + | |
| | | Over 16 to 25 | 23.32 | | |
| • | | Over 25 to 50 | 33.48 | | _ |
| | | Over 50 to 100 | 65.09 | | |
| | | Over 100 | 87.67 | + | 1.15 |
| 2-Wire/4-Wire Voice | 1L5XX | 0 to 4 | 5.02 | + | 9.51 |
| (for use with VG1-3, | | Over 4 to 8 | 19.38 | + | 5.92 |
| VG5-10 and DAL | | Over 8 to 16 | 43.10 | + | 2.96 |
| service)(1) | | Over 16 to 25 | 54.38 | | 2.25 |
| | | Over 25 to 50 | 82.64 | | 1.12 |
| • | | Over 50 to 100 | 98.43 | | .80 |
| 1 | | Over 100 | 138.55 | + | .41 |
| • | | | | | |

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BY 1 2 R.S. 103

(1) Also used to provide NB4 and NB5 on 43 Carrierougusing 43 CXR to NB4 or NB5 multiplexing.

Issued: DEC 29 1983

Access Services Tariff
Section 7
Original Sheet 137

ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.5 Rates and Charges-(Continued)
 - 7.5.2 Special Transport-(Continued)

Public Schola Commission

"Monthly Rates

DEC 20 1793

| Each: | USOC | Mileage Band | Fixed Rate | Ra | te per Mile |
|-------------------------------------|--------|---------------------------|------------------|-----------|----------------|
| 3.5 kHz Audio (for use with AP1) | 1L5XX | . 0 to 4 Over 4 to 8 | \$ 9.22 12.43 | ++ | \$4.19 3.39 |
| , | | Over 8 to 16 | 12.43 | + | 3.39 |
| | | Over 16 to 25 | 21.28 | + | 2.83 |
| | | 0 ver 25 to 50 | 21.28 | | 2.83 |
| | | Over 50 to 100 | 26.36 | | 2.73 |
| | | Over 100 | 55.72 | + | 2.44 |
| 5 kHz Audio | 1L5XX | 0 to 4 | 9.85 | + | 4.81 |
| (for use with AP2) | | Over $4 \text{ to } 8$ | 9.85 | + | 4.81 |
| | | Over 8 to 16 | 16.98 | + | 3.92 |
| | | Over 16 to 25 | 16.98 | | 3.92 |
| | | Over 25 to 50 | 22.34 | | 3.70 |
| | | Over 50 to 100 | 36.46 | | 3.42 |
| • | | Over 100 | 36.46 | + | 3.42 |
| 8 kHz Audio | 1L5XX | 0 to 4 | 12.22 | + | 7.55 |
| (for use with AP3) | | Over 4 to 8 | 12.22 | + | 7.55 |
| | | Over 8 to 16 | 25.22 | | 5.93 |
| | | Over 16 to 25 | 32.09 | | 5.50 |
| | • | Over 25 to 50 | 32.09 | | 5.50 |
| | | Over 50 to 100 | 46.20 | + | 5.22 |
| | | Over 100 | 66.53 | + | 5.01 |
| 15 kHz Audio | 1L5XX | 0 to 4 | 25.48 | | 10.53 |
| (for use with AP4) | | Over 4 to 8 | 25.48 | | 10.53 |
| (| | 0ver 8 to 16 | 25.48 | | 10.53 |
| | | Over 16 to 25 | 43.55 | | 9.41 |
| | | Over 25 to 50 | 47.50 | | 9.25 |
| | - | Over 50 to 100 | 63.31 | | 8.93 |
| | GA | NGEELED - | 63.31 | + | 8.93 |
| Group | 1L5X+ | All | ICB | - | ICB1 |
| (for use with WA1 & | | JUL 1 1986 | rates | [E] | , |
| WA1T. Two are | ` | 1000 | and 🕕 | , - ; ; | and |
| required for | BY 1/ | 24 R.S. 103 | charge | eş ,_ | charge: |
| WA1T) | PUBLIC | SERVICE COMMISSION | apply | 1 15 | apply |
| | | OF MISSOUR | ė e | | 0 5 0 |

Issued: DEC 29 1983

Access Services Tariff
Section 7
Original Sheet 138

ACCESS SERVICES

DEC 20 100

SPECIAL ACCESS SERVICE-(Continued)

The American

7.5 Rates and Charges-(Continued)

Public Service Journalission

7.5.2 Special Transport-(Continued)

| special framsport (com | (CIMITEG) | | W+1-1 | w Datas |
|--------------------------------------|----------------|--|---|---|
| Each: | usoc | Mileage Band | Fixed Rate | y Rates Rate per Mile |
| Supergroup (for use with WA2) | 1L5X+ | All | ICB rates and charges apply | ICB rates and charges apply |
| 19.2 kbps (for use with WD1) | 1L5X+ | A11 . | ICB rates and charges apply | ICB rates and charges apply |
| 50.0 kbps (for use with WD2) | 1L5X+ | A11 | ICB rates and charges apply | ICB rates and charges apply |
| 230.4 kbps (for use with WD3) | 1L5X+ | A11 | ICB rates and charges apply | ICB rates and charges apply |
| 56.0 kbps (for use with WD4) | 1 L 5X+ | A11 | ICB rates and charges apply | ICB -rates and charges apply |
| Digital Data 1 (for use with DA1) | RY 1 2 R 1 S.1 | Over 4 to 8 Over 8 to 16 Over 16 to 25 Over 25 to 50 Over 100 Over 100 | 3 \$5028 5 3 50.87 55.56 55.56 61.49 | + \$1.39 + 1.39 + .80 + .80 + .56 + .56 + .51 |

Issued: DEC 29 1983

Access Services Tariff
Section 7
1st Revised Sheet 139
Replacing Original Sheet 139

ACCESS SERVICES

| 7. | SPECIAL | ACCESS | SERVICE- | (Continued) |) |
|----|---------|--------|----------|-------------|---|
|----|---------|--------|----------|-------------|---|

7.5 Rates and Charges-(Continued)

7.5.2 Special Transport-(Continued)

REGEIVED

Monthly Rates

| | | | 1101161 | 1 + y - | Mares |
|---|-------------|----------------|--------------|---------|--------------|
| | | Mileage | Fixed | _ R | late per |
| Each: | USOC | Band | Rate | | |
| Digital Data 2 | 1L5XX | 0 to 4 | sıldic. Jəry | ita l | (\$1m65ssion |
| (for use with DA2) | | Over 4 to 8 🚾 | 44-19- | + | -1-65 |
| | | Over 8 to 16 | 50.43 | + | .87 |
| | | Over 16 to 25 | 50.43 | + | .87 |
| | | Over 25 to 50 | 50.71 | + | .86 |
| | | Over 50 to 100 | 58.61 | + | .70 |
| | | Over 100 | 58.61 | + | .70 |
| Digital Data 3 | 1L5XX | 0 to 4 | 53.30 | + | 1.55 |
| (for use with DA3) | IDMA | Over 4 to 8 | 53.30 | + | 1.55 |
| (101 dae with bha) | | Over 8 to 16 | 58.45 | + | .90 |
| | | Over 16 to 25 | 61.52 | + | .71 |
| | | Over 25 to 50 | 61.52 | + | .71 |
| | | Over 50 to 100 | 68.30 | + | .58 |
| | | Over 100 | 68.30 | | |
| | | over 100 | 00.30 | + | .58 |
| Digital Data 4 | 1L5XX | 0 to 4 | 84.77 | + | 10.38 |
| (for use with DA4) | | Over 4 to 8 | 105.50 | + | 5.19 |
| | | Over 8 to 16 | 126.28 | + | 2.60 |
| | | Over 16 to 25 | 147.05 | + | 1.30 |
| | | Over 25 to 50 | 159.47 | + | .80 |
| | | Over 50 to 100 | 176.41 | + | .46 |
| | | Over 100 | 198.99 | + | .24 |
| DS1 - 1.544 Mbps(1) (for use with HC1) | 1L5XX | A11 | 42.93 | + | 17.04 |
| DS1C - 3.152 Mbps(1) | 1L5X+ | A11 | IB C | I | вс |
| (for use with HC1C) | | | rates | r | ates |
| • | | | and | a | ınd |
| | | | charge | | harges |
| | | | apply | | ıpply |
| | | RLLED | | | |
| DS2 - 6.312 Mbps(1) | JE2X100.6 | いってに対応 | ICB | 1 | CB |
| (for use with HC2) | | | rates | r | ates |
| | JŲL. | 1 1986 | and | | ınd |
| | , , , , , | . = | charge | | harges |
| | BY C | .s. 103 | apply | 8 | ipp1y |
| | PUBLIC SERV | CE LIN WISU,UN | | | |

(1) Additional applications are obtainable through the use of suitable multiplexing at the Hub.

Issued: AUG 1 5 1984

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Effective: OCT 1 5 1984

Public Service Commission

Access Services Tariff Section 7 Original Sheet 139 二二年 1

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)

DEC 20163

| 7.5.2 | Special | Transport- | (Continued) |
|-------|---------|------------|-------------|
|-------|---------|------------|-------------|

| Special Transport-(Cont | i.nued) | a | Month1 | y Rates |
|--|----------------|--------------------------------|------------------|----------|
| | | Mileage Pu | . ——— | Rate per |
| Each: | USOC | Band | -Rate | Mile |
| Digital Data 2 | 1L5XX | 0 to 4 | \$ 44.19 + | \$1.65 |
| (for use with DA2) | | Over 4 to 8 | 44.19 + | 1.65 |
| • | | Over 8 to 16 | 50.43 + | .87 |
| | | Over 16 to 25 | 50.43 + | .87 |
| | | Over 25 to 50 | 50.71 + | .86 |
| | , | Over 50 to 100 | 58.61 + | .70 |
| Digital Data BANGE (for use with DA3) | nn BM | Over 100 | 58.61 + | .70 |
| | TPPPP | | | |
| Digital Data 3 | 1L5XX | 0 to 4 | 53.30 + | 1.55 |
| (for use with DA3) | 5 1984 | Over 4 to 8 | 53.30 + | 1.55 |
| $_{I}^{OCI}$ | 20 | Over, 8 to 16 | 58.45 + | .90 |
| 100 | 12 13 L | Over 16 to 25 | 61.52 + | .71 |
| \ Dec | WISSION | Over 25 to 50 | 61.52 + | .71 |
| BY SERV | ICE COMMING | Over 50 to 100 | 68.30 + | .58 |
| PUBLIC SERVE | ICE COMMISSION | Over 100 | 68.30 + | .58 |
| | | 3.01 10 | 70.55 | .00 |
| | | • | | |
| Digital Data 4 | 1L5XX | 0 to 4 | 84.77 + | 10.38 |
| (for use with DA4) | | Over 4 to 8 | 105.50 + | 5.19 |
| | | Over 8 to 16 | 126.28 + | 2.60 |
| | | Over 16 to 25 | 147.05 + | 1.30 |
| | | Over 25 to 50 | | .80 |
| | | Over 50 to 100 | 176.41 + | .46 |
| | | Over 100 | 198.99 + | .24 |
| Par | | | | |
| DS1 - 1.544 Mbps(1) | 1 L5XX | A11 | 42.93 + | 17.04 |
| (for use with HCl) | | | | |
| DS1C - 3.152 Mbps(1) | 1L5XX | All | IBC | IBC |
| (for use with HClC) | AUJAA | VII | rates | |
| (for use with here) | | | | rates |
| | | | and | and |
| | | Description from the second of | charges | charges |
| | | | 를 apply | appra |
| DS2 - 6.312 Mbps(1) | 1L5X+ | All | ICB , | ICB |
| (for use with HC2) | | | (Spates | rates |
| (=== === === === === === === == == == == | | 83 - 8 | 5a8d | and |
| | | 83 - 4 | charges | charges |
| | | Public Service | charges apply | apply |
| | | The terms of | -FL-1 | |

(1) Additional applications are obtainable through the use of suitable multiplexing at the Hub.

Issued: DEC 29 1983

JAN 0 1 1984 Effective:

Access Services Tariff Section 7 Original Sheet 140

DEC 20 1003

ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)
 - 7.5.2 Special Transport-(Continued)

| Each: | USOC | Mileage Band | Monthl Fixed Rate | y Rates Rate per Mile |
|---|--------|-----------------|---|---|
| DS3 - 44.736 Mbps(1) (for use with HC3) | .1L5X+ | All | ICB rates and charges applÿ | IBC rates and charges apply |
| DS4 - 274.176 Mbps(I) (for use with HC4) | 1L5X+ | All | ICB rates and charges apply | ICB rates and charges apply |

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(1) Additional applications are obtainable through the use of suitable multiplexing at the Hub.

DEC 2 9 1983 Issued:

Effective:

Access Services Tariff Section 7 Original Sheet 141

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

7.5 Rates and Charges-(Continued)

7.5.3 Features and Functions

A. Facility Interface Combinations

1. Narrowband Services

DEC 29 1983

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|--------------------------------|----------|------|--------------------|---|------------------|--|
| | | | Monthly Rates | Nonrecurring Charge Per Service Termination | | |
| 7.0 | | *** | Per Service | First | Additional | |
| <u>IC</u> | End User | USOC | <u>Termination</u> | Service | <u>Service</u> | |
| DC (for use with NB1&2) | DC | 906 | None | \$184.71 | \$ 88.33 | |
| TT (for use with NB4) | TT | 9C7 | \$ 2.97 | 359.56 | 208.74 | |
| DB-10 (for use with NB4) | TT | 9ET | 0.41 | 328.32 | 187.98 | |
| DB-43(1) (for use with NB4) | TT | 9E2 | 8.52 | 307.60 | 179.19 | |
| DB-10 (for use with NB5) | IA | 9F1 | 0.41 | 328.32 | 187.98 | |
| DB-43(1) (for use with NB5) | IA | 9F2 | 8.52 | 307.60 | 179.19 | |
| AH(2) (for use with NB4) | DC | 9CV | 11.62 | 254.10 | 135.48 | |
| AH(2) (for use with NB2) | TT | 9C5 | 14.36 | 294.41 | 175 .51 | |
| AH(2) (for use with NB5) | IA | CAN | 1個世紀住在回 | 294.41 | 175.51 141519 | |
| | | | n 1 1096 3 | .!AN | 71 1924 | |

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(1) Requires Voice to Telegraph multiplexer.

(2) Requires intermediate multiplexing. PUBLIC SERVICE COMMISSION . .. OF MISSOUR

Issued: DEC 29 1983

Effective:

Access Services Tariff
Section 7
Original Sheet 142

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

7.5 Rates and Charges-(Continued)

7.5.3 Features and Functions-(Continued)

A. Facility Interface Combinations-(Continued)

DEC 20 1003

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Narrowband Services-(Continued)

| | • | | | Nonrecurring Charges Per Service Termination | | |
|-----------------------------|----------|--------------|----------------------------|--|-----------------------|--|
| <u>IC</u> | End User | USOC | Per Service Termination | First Service | Additional Service | |
| DS(1) (for use with NB2) | DC | 9 C 9 | \$5.70 | \$248.4 4 | \$130.40 | |
| DS(1) (for use with NB4) | TT | 9VG | 8.45 | 307.60 | 179.19 | |
| DS(1) (for use with NB5) | IA | 9VH | 5.70 | 307.60 | 179.19 | |

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PUBLIC SERVICE COMMISSION
(1) Requires intermediate multiplexing. OF MISSOURI

Issued: DEC 29 1983

Effective:

Access Services Tariff
Section 7
Original Sheet 143

DEC 28 1000

Public Service Commission

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

7.5 Rates and Charges-(Continued)

7.5.3 Features and Functions-(Continued)

A. Facility Interface Combinations-(Continued)

| 2. Voice Grade Services | | | | Nonrecur | ring Charges |
|---|----------|-----------------------------|----------------------------|----------------|------------------|
| | | | Monthly | Per S | ervice |
| | | | Rates | | nation |
| 10 | F-4 II | HOOC | Per Service | First | Additional |
| <u>IC</u> | End User | USOC | <u>Termination</u> | <u>Service</u> | Service |
| AB (for use with VG2) | AC | 9GB | \$20.06 | \$102.58 | \$70.39 |
| AH(1) (for use with VG2) | AC | 9 P 7 | 21.79 | 77.51 | 44.29 |
| AH(1) (for use with VG5, 6 & 10) | DA | 9SE | 7.68 | 83.12 | 43.93 |
| AH(1) (for use with VG5) | DE | 9SD | 22.27 | 42.21 | 19.66 |
| AH(1) (for use with VG9) | DX | 9 XX | 18.80 | 93.68 | 54.49 |
| AH(1) (for use with VG3, 7 & 8) | DÄ | 9RN | 19.78 | 88.13 | 48.94 |
| AH(1) (for use with VG3, 7, 8 & 9 | EA | 9RK | 25.30 | 93.68 | 54.49 |
| AH(1) (for use with VG3, | EB | 9RL | 25.30 | 93.68 | 54.49 |
| 7, 8 & 9) AH(1) (for use with VG1) | GO | GA I | VOELLEO | | 40.51 |
| AH(1) (for use with VG1, 3 & 7) | GS | 9QGJ BY 124 PUBLIC SE | R.S. 103 ERVICE COMMISSION | 71.48 JA | - 1 60 - 2,53 |
| | | | OF MISSOURI | 1 | • • |

(1) Requires intermediate Group to Voice Multiplexer.

Issued: DEC 2 9 1983

Access Services Tariff Section 7 Original Sheet 144

DEC 20 1203

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

7.5 Rates and Charges-(Continued)

7.5.3 Features and Functions-(Continued)

A. Facility Interface Combinations-(Continued)

2. Voice Grade Services

| • | | | Monthly Rates | Nonrecurring Charges Per Service Termination | | |
|--|----------|-----------------|----------------------------|--|-----------------------|--|
| <u>IC</u> | End User | USOC | Per Service Termination | First Service | Additional Service | |
| AH(1) (for use with VG2 & 7) | LA | 9QB | \$23.43 | \$90.03 | \$53.25 | |
| AH(1) (for use with VG2 & 7) | LB | 9QC | 23.43 | 76.80 | 43.58 | |
| AH(1) (for use with VG2 & 7) | rc | gQD | 23.43 | 77.51 | 44.29 | |
| AH(1) (for use with VG1, 2 & 7) | LO | 9QE | 23.43 | 77.51 | 44.29 | |
| AH(1) (for use with VG2) | LR | 9RM | 23.43 | 69.26 | 38.30 | |
| AH(1) (for use with VG1, 2, 3, 7 & 8) | LS | 9 P 9 | 21.79 | 69.26 | 38.30 | |
| AH(1) (for use with VG1, 2, 5, 6, 7 & 9) | , NO | 9P 6 | 15.37 | 62.97 | 32.00 | |
| AH(1) (for use with VG3 & 7) | RV | 9 \$ @[[| NOTELLO | | | |
| | | | IIII 1 100C | ા. હૈંદી | 11 x 100 x | |

JULI 1986 PUBLIC SERVICE COMMISSION

(1) Requires intermediate Group to Voice Multiple Rerussoum

DEC 29 1983 Issued:

JAN 0,1,1384 Effective:

Access Services Tariff Section 7 1st Revised Sheet 145 Replacing Original Sheet 145

ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)
- 7.5.3 Features and Functions-(Continued)
- A. Facility Interface Combinations-(Continued)
 - 2. Voice Grade Services-(Continued)

AUG 1 - ---Public Service Commission

Nonrecurring Charges Per Service Termination First Additional

| | <u>IC</u> | End User | USOC | Termination | Service | Service |
|--------|--|------------|------|----------------------------------|---------|---------|
| (RT) | | | | | | |
| (AT) | $^{ m DB}$ (for use with VG5, 6 & | DA 10) | 9КО | 5.68 | 179.41 | 112.00 |
| (AT) | DB (for use with VG5 & 6) | NO | 9YJ | 7.69 | 130.78 | 80.05 |
| | DD (for use with VG5) | DE | 9ко | 15.77 | 128.40 | 79.23 |
| | DS(1) (for use with VG2) | AC | 9KV | 15.88 | 73.62 | 41.01 |
| | DS(1) (for use with VG5, 6 & 10) | D A | 9кт | 5.36 | 85.15 | 46.56 |
| | DS(1) (for use with VG5) | DE | 9KS | 15.76 | 40.38 | 18.44 |
| | DS(1) (for use with VG9) | DX | 9XU | 12.88 | 78.59 | 39.99 |
| (p.m.) | DS(1) (for use with VG3, | DY | 9LV | 13.87 | 78.59 | 39.99 |
| (RT) | 7 & 8) DS(1) (for use with VG3, 7, 8 & 9) | EA | | . NO.E.L. E JµL 1 1986 | 79.73 | 41.13 |

(1) Requires intermediate DS1 to Voice Mul Pupilexervice COMMISSION

OF MISSOURI

AUG 1 5 1984 Issued:

Effective: OCT 1 5 1984

Monthly Rates

Per Service

OCT 15 1984

By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

Public Service Commission

Access Services Tariff
Section 7
Original Sheet 145

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.5 Rates and Charges-(Continued)

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DEC 28 1000

7.5.3 Features and Functions-(Continued) 00715 1984

A. Facility Interface Combinations-(Continued) 00715 1984

Facility Interface Combinations-(Continued) Service COMMISSION Ubilic Services-(Continued) OF MISSOURI

| 2. Voice Grade | Services-(| Continde | d) or | Monthly Rates Per Service | Per Se | ring Charges ervice mation Additional |
|-------------------------------------|------------|----------|--------------|---------------------------------|---------------------------------------|--|
| <u>IC</u> | <u>E</u> . | nd User | USOC | Termination | | Service |
| DA (for use with | VG10) | DA | 9KR | \$ 5.68 | \$179.41 | \$112.06 |
| DB (for use with | VG6 & 10) | DA | 9KQ | 5.68 | 179.41 | 112.00 |
| DB (for use with | VG6) | NO | 9 Y J | 7.69 | 130.78 | 80.05 |
| DD (for use with | VG5) | DE | 9 KO | 15.77 | 128.40 | 79.23 |
| DS(1) (for use with | VG2) | AC | 9KV | 15.88 | 73.62 | 41.01 |
| DS(1) (for use with 6 & 10) | VG5, | DA | 9KT | 5.36 | 85.15 | 46.56 |
| DS(1). (for use with | | DE | 9KS | 15.76 | 40.38 | 18.44 |
| DS(1) (for use with | VG9) | Xa | 9 X U | 12.88 | 78.59 | 39.99 |
| DS(1) (for use with 7, 8 & 9) | VG3, | YG | 9 L V | 13.87 | 78.59 | |
| DS(1) (for use with 7, 8 & 9) | VG3, | EA | 9 K8 | 19.39 | удя. 7 31 83 - 2 | (\$3/41.13 5 8 |
| nires intermedi | ate DS1 to | Voice Mu | ultiple | Pu | blic Ser | |

(1) Requires intermediate DS1 to Voice Multiplexer.

Issued: DEC 29 1983

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)
 - 7.5.3 Features and Functions-(Continued)
 - A. Facility Interface Combinations-(Continued)
 - Voice Grade Services-(Continued)

Access Services Tariff
Section 7
Original Sheet 146
DEC 20 4000

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| | | | Monthly Rates Per Service | Nonrecurring Charges Per Service Termination First Additional | |
|--|----------|--------------|--|---|--------------------|
| <u>IC</u> | End User | USOC | <u>Termination</u> | Service | Service |
| DS(1) (for use with VG3, 7, 8 & 9) | EB | 9 K 9 | \$19.39 | \$79.73 | \$41.13 |
| DS(1) (for use with VG1) | GO | 9K6 | 22.97 | 57.41 | 27.06 |
| DS(1) (for use with VG1, 3 & 7) | GS | 9K7 | 23.54 | 57.41 | 27.06 |
| DS(1) (for use with VG2 & 7) | LA | 9KY | 17.51 | 83.94 | 47.75 |
| DS(1) (for use with VG2 & 7) | LB | 9K1 | 17.51 | 73.91 | 41.29 |
| DS(1) (for use with VG2 & 7) | rc . | 9K2 | 17.51 | 73.62 | 41.01 |
| DS(1) (for use with VG1, 2 & 7) | LO | 9K3 | 17.51 | 73.62 | 41.01 |
| DS(1) (for use with VG2) | LR | 9K5 | 15.59 | 57.41 | 27.06 |
| DS(1) (for use with VG2, 3, 7 & 8) | LS ' | 9KX GA | 17.79 NGELLE | 57.41 | 27.06 |
| DS(1) (for use with VG1, 2, 5, 6, 7 & 9) | ИО | BY 1 | JUL 1 1986 2 R S 1 C SERVICE COMMISS |) 3 | 32270, 33 - 253 |

PUBLIC SERVICE COMMISSION
(1) Requires intermediate DS1 to Voice Multiplexens missour

Issued: №C 29 1900

Access Services Tariff
Section 7
lst Revised Sheet 147
Replacing Original Sheet 147

ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)
- 7.5.3 Features and Functions-(Continued)
- A. Facility Interface Combinations-(Continued)
 - Voice Grade Services-(Continued)

REGEIVED

AUG 1 1 1004

Public Service Commission

| | | | Monthly Rates | Nonrecurring Charges Per Service Termination | | |
|---------------------------------|----------|--------------|----------------------------|--|-----------------------|--|
| <u>IC</u> | End User | USOC | Per Service Termination | First Service | Additional Service | |
| DS(I) (for use with VG3 & 7) | RV | 9LB | \$11.51 | \$ 73.62 | \$ 41.01 | |
| DX (for use with VG9) | DX | 9YE | 14.76 | 151.25 | 89.77 | |
| DX (for use with VG3, 7 & 8 | DY) | 9 J 7 | 15.74 | 151.25 | 89.77 | |
| DX (for use with VG3, 7, 8 & 9) | EA | 9КЈ | 20.87 | 165.31 | 102.19 | |
| DX (for use with VG3, 7, 8 & 9) | EB | 9 K K | 20.87 | 165.31 | 102.19 | |

(RT)

(RT)

CANCELLED

JUL 1 1986

BY R.S. 103

PUBLIC SERVICE COMMISSION

OF MISSOURI

FILED

(1) Requires intermediate DSI to Voice Multiplexer.

OCT 15 1934

Issued:

AUG 1 5 1984

Effective:

OCT 1 5 1984 Public Service Commission

ACCESS SERVICES

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 - Original Sheet 147
 - DEC 20 1093

- SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)
 - 7.5.3 Features and Functions-(Continued)
 - A. Facility Interface Combinations-(Continued)
 - Voice Grade Services-(Continued)

| | • | Monthly Rates | | | Nonrecurring Charges Per Service Termination | | | |
|-----------------------------------|----------|------------------|----------------------------|------------------|--|--|--|--|
| <u>IC</u> | End User | USOC | Per Service Termination | First Service | Additional Service | | | |
| DS(1) (for use with VG3 & 7) | RV | 9LB | \$11.51 | \$ 73.62 | \$ 41.01 | | | |
| DX (for use with VG9) | DX | 9YE | 14.76 | 151.25 | 89.77 | | | |
| DX (for use with VG3, 7 & 8 | DY) | 9J7 | 15.74 | 151.25 | 89.77 | | | |
| DX (for use with VG3, 7, 8 & 9) | EA | 9KJ | 20.87 | 165.31 | 102.19 | | | |
| DX (for use with VG3, 7, 8 & 9) . | EB | 9 KK | 20.87 | 165.31 | 102.19 | | | |
| DX (for use with VG2 & 7) | LA | 9JD | 19.00 | 173.23 | 111.97 | | | |
| DX (for use with VG2 & 7) | LB | 9JE | 19.00 n N 居圆 | 155.89 | 99.54 | | | |
| | | $-v_{CJ}$, | 5 1984 VICE COMMISSION | JAN | 上海() ~1(93) ~253 | | | |

(1) Requires intermediate DS1 to Voice Multiplexer.

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Access Services Tariff
Section 7
1st Revised Sheet 148
Replacing Original Sheet 148

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|-------|----|-------|-----|
| | | | |

| 7. | SPECIAL | ACCESS | SERVICE- | (Continued) |
|----|---------|--------|----------|-------------|
|----|---------|--------|----------|-------------|

7.5 Rates and Charges-(Continued)

7.5.3 Features and Functions-(Continued)

(for use with VG3, 7,8 & 9)

A. Facility Interface Combinations-(Continued)

Voice Grade Services-(Continued)

| | \sim \sim | - n | וחח | 1 | _ |
|----------|---------------|------|---------------------------------------|---------------|-----|
| | 1011 | - 11 | | P 1 | nı |
| 111111 | 114 11 | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | <u> </u> | |
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| 1011 | 144111 | _ 11 | 17 1 | | U) |
| 111111 | 1 (-) 1 | וור | 11 | ו ר ــו | |
| RE | , (ሀፓ ሀ | 511 | W | 51 | עש |

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| | • | • | Monthly Rates | Per S Termi | ring Charges ervice nation |
|------------------------------|----------|------|----------------------------|------------------|----------------------------------|
| . <u>IC</u> | End User | USOC | Per Service Termination | First Service | Additional Service |
| DX (for use with VG8) | LS | 9J6 | \$20.79 | \$147.88 | \$ 92.54 |
| DX (for use with VG3 & 7) | rv | 9KM | 12.98 | 149.59 | 95.58 |
| | | | | | |
| EA (for use with VG9) | DΧ | 9YA | 19.88 | 182.49 | 110.53 |
| EA (for use with VG3, 7 & 8 | DY | 9G8 | 20.87 | 151.25 | 89.77 |
| EA | EA | 9HX | 25.40 | 183.64 | 111.67 |

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PUBLIC SERVICE COMMISSION

OF MISSOURI

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Public Service Commission

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Access Services Tariff Section 7 Original Sheet 148

ACCESS SERVICES

DEC 29 1003

SPECIAL ACCESS SERVICE-(Continued)

7.5 Rates and Charges-(Continued)

7.5.3 Features and Functions-(Continued)

OCT 15 1984 PUBLIC SERVICE COMMISSION

OF MISSOURI

A. Facility Interface Combinations-(Continued)

2. Voice Grade Services-(Continued)

| | • | | | Monthly Rates | Per S | ring Charges ervice nation |
|---------------------------------|--------------|----------|-------------|----------------------------|------------------|----------------------------------|
| <u>IC</u> | Ē | and User | USOC | Per Service Termination | First Service | Additional Service |
| DX (for use with V 7 & 8) | VG2, 3, | LS | 9J6 | \$20.79 | \$147.88 | \$ 92.54 |
| DX (for use with | VG3 & 7) | RV | 9KM | 12.98 | 149.59 | 95.58 |
| DX (for use with 7, 8 & 9) | VG2, 3, | SF | 9XB | 21.63 | 165.31 | 102.19 |
| EA (for use with | VG2) | AC | 9HC | 22.88 | 149.59 | 95.58 |
| EA (for use with | VG9) | xa | 9YA | 19.88 | 182.49 | 110.53 |
| EA (for use with | VG3, 7 & 8) | DY | 9 G8 | 20.87 | 151.25 | 89.77 |
| EA (for use with | VG3, 7,8 & 9 | EA 9) | 9 HX | 25.40 | 183.64 | 111.67 |

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Access Services Tariff
Section 7
1st Revised Sheet 149
Replacing Original Sheet 149

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
 - 7.5 Rates and Charges-(Continued)
 - 7.5.3 Features and Functions-(Continued)
 - A. Facility Interface Combinations-(Continued)
 - Voice Grade Services-(Continued)

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Public Service Commission

| | · | · | Monthly Rates | Nonrecurring Charges Per Service Termination | |
|---------------------------------------|----------|------|----------------------------|--|-----------------------|
| <u>1C</u> | End User | USOC | Per Service Termination | First Service | Additional Service |
| EA (for use with VG3, 7, 8 & 9) | EB | 9H I | \$25.40 | \$183.64 | \$111.67 |
| EA (for use with VG8) | LS | 9HF | 23.30 | 130.97 | 81.96 |
| EA (for use with VG3 & 7) | RV | 9H2 | 24.98 | 149.59 | 95.58 |
| EB (for use with VG9) | DX | 9YB | 19.89 | 182.49 | 110.53 |

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Access Services Tariff

\(\cap \) Section \(\frac{7}{7}\)

Original Sheet \(\frac{149}{2}\)

Nonrecurring Charges

ACCESS SERVICES

DEC 20 1000

Public Samina Commission

7. SPECIAL ACCESS SERVICE-(Continued)

7.5 Rates and Charges-(Continued)

......,

7.5.3 Features and Functions-(Continued)

A. Facility Interface Combinations-(Continued)

| Voice Grade Services-(Continued) |
|--|
|--|

| | | | Monthly Rates | Per Service Termination | |
|---------------------------------------|-----------------|------|----------------------------|-------------------------|-----------------------|
| <u>IC</u> | End User | USOC | Per Service Termination | First Service | Additional Service |
| EA (for use with VG3, 7, 8 & 9) | EB _. | 9H1 | \$25.40 | \$183.64 | \$111.67 |
| EA (for use with VG2 & 7) | LB | 9HN | 24.51 | 155.89 | 99.54 |
| EA (for use with VG3 & 7) | RV | 9H2 | -24.98 | 149.59 | 95.58 |
| EA (for use with VG3, 7, 8 & 9) | SF | 9X5 | 27.15 | 165.31 | 102.19 |
| EB (for use with VG9) | DX | 9YB | 19.89 | 182.49 | 110.53 |

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.5 Rates and Charges-(Continued)
 - 7.5.3 Features and Functions-(Continued)
 - A. Facility Interface Combinations-(Continued)
 - Voice Grade Services-(Continued)

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MISSOURI Public Service Commission

Nonrecurring Charges

| | | | | Monthly Rates | Per Service Termination | |
|------|---------------------------------|----------|------|----------------------------|----------------------------|-----------------------|
| | <u>IC</u> | End User | USOC | Per Service Termination | First Service | Additional Service |
| | EB (for use with VG3,7 & 8) | DY | 9н8 | \$20.87 | \$151.25 | \$ 89.77 |
| | EB (for use with VG3, 7, 8 & 9) | EA | 9н9 | 26.39 | 183.64 | 111.67 |
| | EB (for use with VG3, 7, 8 & 9) | EB | 9ЈВ | 26,39 | 183.64 | 111.67 |
| (AT) | EB (for use with VG8) | LS | 9H3 | 23.30 | 130.97 | 81.96 |
| | EB (for use with VG3 & 7) | RV | 9H7 | 18.51 | 149.59 | 95.58 |

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Access Services Tariff Section 7 Original Sheet 150

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Public Service Commission

ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.5 Rates and Charges-(Continued) \
 - 7.5.3 Features and Functions-(Continued)
 - A. Facility Interface Combinations-(Continued)
 - 2. Voice Grade Services-(Continued)

| | • | | Monthly Rates | Per S | ring Charges ervice nation |
|---------------------------------------|----------|------|----------------------------|------------------|----------------------------------|
| <u>1C</u> | End User | USOC | Per Service Termination | First Service | Additional Service |
| EB (for use with VG3,7 & 8) | DΫ | 9H8 | \$20.87 | \$151.25 | \$ 89.7 7 |
| EB (for use with VG3, 7, 8 & 9) | EA | 9119 | 26.39 | 183.64 | 111.67 |
| EB (for use with VG3, 7, 8 & 9) | EB | 9JB | 26.39 | 183.64 | 111.67 |
| EB (for use with VG3 & 7) | RV | 9H7 | 18.51 | 149.59 | 95.58 |

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Access Services Tariff
Section 7
1st Revised Sheet 151
Replacing Original Sheet 151

ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)
 - 7.5.3 Features and Functions-(Continued)
 - A. Facility Interface Combinations-(Continued)
 - 2. Voice Grade Services-(Continued)

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MISSOURI
Public Service Commission

Nonrecurring Charges

| | | | Monthly Rates | Per Service Termination | | |
|------------------------------|--------------|--------------|----------------------------|-------------------------|-----------------------|--|
| <u>IC</u> <u>En</u> | d User | USOC | Per Service Termination | First Service | Additional Service | |
| EC (for use with VG3, 7 & 8) | DY | 9L2 | \$20.87 | \$151.25 | \$ 89.77 | |
| EC (for use with VG3, 7 & 8) | EA | 9LX | 26.39 | 183.64 | 111.67 | |
| EC (for use with VG3, 7 & 8) | ЕВ | 9L1 | 26.39 | 183.64 | 111.67 | |
| EX (for use with VG1, 3 & 7) | GS | 9SH | 23.64 | 147.88 | 92.85 | |
| EX (for use with VG2 & 7) | LA | 9SK | 17.61 | 173.23 | 111.97 | |
| EX (for use with VG2 & 7) | LB | 9SL | 17.61 | 155.89 | 99.53 | |
| EX (for use with VG2 & 7) | LC | 9 S O | 17.61 | 149.59 | 95.58 | |
| EX (for use with VGI, | LO | 9SJ | 17.61 | 149.59 | 95.58 | |
| 2 & 7) | الا س الا | IN PE | en n en | | | |

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ACCESS SERVICES

DEC 20 100

- 7. SPECIAL ACCESS SERVICE-(Continued)
 - 7.5 Rates and Charges-(Continued)
 - 7.5.3 Features and Functions-(Continued)
 - A. Facility Interface Combinations-(Continued)
 - 2. Voice Grade Services-(Continued)

| | | Monthly Rates | | Nonrecurring Charges Per Service Termination | | |
|------------------------------------|----------|------------------|----------------------------|--|--------------------------|--|
| <u>IC</u> | End User | USOC | Per Service Termination | First Service | Additional Service | |
| EC (for use with VG3, 7 & 8 | DY) | 9L2 | \$20.87 | \$151.25 | \$ 89.77 | |
| EC (for use with VG3, 7 & 8 | EA) | 9LX | 26.39 | 183.64 | 111.67 | |
| EC (for use with VG3, 7 & 8 | EB | 9L1 | 26.39 | 183.64 | 111.67 | |
| EX (for use with VG3 & 7) | GS | 9SH | 23.64 | 147.88 | 92.85 | |
| EX (for use with VG2 & 7) | LA | 9SK | 17.61 | 173.23 | 111.97 | |
| EX (for use with \hat{V} G2 & 7) | LB | 9SL | 17.61 | 155.89 | 99.53 | |
| EX (for use with VG2 & 7) | LC | 950 | 17.61 | 149.59 | 95.58 | |
| EX (for use with VG1, | ro | 9SJ | 17.61 | 149.59 | 95.58 | |
| 2 & 7) | CANG. | ELL | E | FILED | | |
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Section 7
1st Revised Sheet 152
Replacing Original Sheet 152

ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)
 - 7.5.3 Features and Functions-(Continued)
 - A. Facility Interface Combinations-(Continued)
 - Voice Grade Services-(Continued)

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| AUG 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | i. |
| Nonrecurring Charges Per Service Termination First Additional Service Service | |
| 147.88 92.54 | |

| | | | | Monthly Rates | Nonrecurring Charges Per Service Termination | |
|------|---------------------------------------|----------|--------------|----------------------------|--|-----------------------|
| | <u>ic</u> | End User | USOC | Per Service Termination | First Service | Additional Service |
| (RT) | | | | | | |
| | EX (for use with VG1, 2, 3 & 7) | LS | 9ST | 19.41 | 147.88 | 92.54 |
| T) | | | | | | |
| | GO (for use with VGl, 3 & 7) | GS | 9G6 | 15.69 | 108.94 | 69.13 |
| (RT) | | | | | | |
| | GS (for use with VG1) | GO | 9G5 | 34.53 | 108.94 | 69.13 |
| (T) | LO (for use with VG1, 2, 3 & 7) | LS | 9GC | 25.43 | 108.53 | 68.77 |
| | LO (for use with VG2, | SF | 9 X P | 26.27 | 165.31 | 102.19 |
| | 3 & 7) | GA | O O | ELLEU | | |
| | LR (for use with VG2) | LR | 9G2 JUL 1 | 19.78 1986 | 108.86 | 65.30 |
| RT) | | ВУ | at Q | S.103 | | ew ew |
| | LS (for use with VG2 & 7) | LAPUBLI | , 3 <u>c</u> | ussoum23.63 | 160.63 | CT 15 1984 |

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ACCESS SERVICES LLED

SPECIAL ACCESS SERVICE-(Continued)

7.5 Rates and Charges-(Continued)

OCT 15 1984 7.5.3 Features and Functions-(Continued) A. Facility Interface Combinations—(Continued) OUR

2. Voice Grade Services-(Continued)

| · · · · · · · · · · · · · · · · · · · | (44451484 | ۵, | Monthly Rates Per Service | Nonrecurring Charges Per Service Termination First Additional | | | |
|---------------------------------------|-----------|--------------|---------------------------------|---|-------------------|--|--|
| <u>IC</u> | End User | USOC | Termination | Service | Service | | |
| EX (for use with VG2) | LR . | 9SQ | \$15.69 | \$149.59 | \$ 95.58 | | |
| EX (for use with VG1, 2, 3 & 7) | LS | 9 ST | 19.41 | 147.88 | 92.54 | | |
| EX (for use with VG7) | SF | 9XD | 20.26 | 165.31 | 102.19 | | |
| GO (for use with VG1, 3 & 7) | GS | 9 G 6 | 15.69 | 108.94 | 69.13 | | |
| GO (for use with VG3 & 7) | SF | 9XA | 31.72 | 165.31 | 102.19 | | |
| GS (for use with VG1) | GO | 9 G 5 | 34.53 | 108.94 | 69.13 | | |
| LO (for use with VG1, 2, 3, 7 & 8) | LS | 9GC | 25.43 | 108.53 | 68.77 | | |
| LO (for use with VG2, 3 & 7) | SF | 9XP | 26.27 | 165.31 | 102.19 | | |
| LR (for use with VG 2) | LR | 9G2 | 19.78 | 108.86 JAN | 65.30 [1 1934 | | |
| LR (for use with VG2) | SF | 9XT | 24.33 | | 2152319 | | |
| LS (for use with VG2 & 7) | LA | 9GD | 23.63 | 160.63 | 82.03 | | |

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1st Revised Sheet 153
Replacing Original Sheet 153

ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)
 - 7.5.3 Features and Functions-(Continued)
 - A. Facility Interface Combinations-(Continued)
 - Voice Grade Services-(Continued)

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| | | | | Monthly Rates | Per S | ring Charges ervice nation |
|------|-----------------------------------|-----------|----------------|---------------------------------|------------------|----------------------------------|
| | <u>1c</u> | End Use | usoc usoc | Per Service Termination | First Service | Additional Service |
| | LS (for use with VG2 & 7) | LB | 9GZ | \$23.63 | \$156.59 | \$ 82.58 |
| | LS (for use with VG2 & 7) | rc | 9G1 | 23.63 | 142.77 | 67.49 |
| | LS (for use with VG1, 2 & | 10 7) | 9G4 | 23.63 | 142.77 | 67.49 |
| (RT) | | | | | | |
| (AT) | NO (for use with VG5, 6 & | DA 10) | 9X2 | 7.69 | 130.23 | 80.05 |
| | NO (for use with VG1, 2,5, 6 & 7) | NO | 9GE | 7.51 | 120.72 | 75.53 |
| | RV (for use with VG3 & 7) | RV | 9JC | 11.61 | 108.94 | 69.13 |
| | SF (for use with VG2) | AC | 9 L 5 | 23.69 | 149.59 | 95.58 |
| | SF (for use With VG9) | DX | CAN | BELLED | 165.31 | FALED |
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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.5 Rates and Charges-(Continued)

7.5.3 Features and Functions-(Continued)

A. Facility Interface Combinations-(Continued)

2. Voice Grade Services - (Continued) BY SERVICE COMMISSION

| | • | | ស្គម | of Missouri Monthly Rates | Per S | ring Charges ervice nation |
|----------|---------------------------|-------------|--------------|---------------------------------|------------------------|----------------------------------|
| | <u>IC</u> | End User | USOC | Per Service Termination | First Service | Additional Service |
| (for | LS use with VG2 8 | LB % 7) | 9GZ | \$23.63 | \$156.59 | \$ 82.58 |
| (for | LS use with VG2 8 | LC % 7) | 9G1 | 23.63 | 142.77 | 67.49 |
| (for | LS use with VG1, | 2 & 7) | 964 | 23.63 | 142.77 | 67.49 |
| .(for | LS use with VG2 8 | SF § 3) | 9Y G | 26.27 | 165.31 | 102.19 |
| (for | NO use with VG6 8 | DA & 10) | 9X2 | 7.69 | 130.23 | 80.05 |
| (for 6 & | NO use with VG1, 7) | NO 2,5, | 9 GE | 7.51 | 120.72 | 75.53 |
| (for | RV use with VG3 A | R♥ % 7) | 9JC | 11.61 | 108.94 | 69.13 |
| (for | SF use with VG2) | AC | 9 L 5 | 23.69 | 149.59 JAN - | 95.58 1 1931 |
| (for | SF use with VG9) | . אמ | 9W1 | 20.71 | 165.31 Prolin (e.) | 25319 |

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ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
 - 7.5 Rates and Charges-(Continued)
 - 7.5.3 Features and Functions-(Continued)
 - A. Facility Interface Combinations-(Continued)
 - Voice Grade Services-(Continued)

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| , | 2. Voice Grade Services | 3-(oone mae | :u) | Monthly Rates | Per S Termi | rring Charges Service Ination |
|------|---------------------------------------|-------------|-----------------------|---------------------------------|------------------|-------------------------------------|
| | <u>IC</u> | End User | USOC | Per Service Termination | First Service | Additional Service |
| | SF (for use with VG3, 7 & 8) | DY | 9L3 | \$21.69 | \$151.25 | \$ 89.77 |
| | SF (for use with VG3, 7, 8 & 9) | EA | 9PO | 27.21 | 165.31 | 102.19 |
| | SF (for use with VG3, 7, 8 & 9) | EB | 9P4 | 27.21 | 165.31 | 102.19 |
| (RT) | SF (for use with VG3 & 7) | GS | 9PN | 31.37 | 148.89 | 92.85 |
| | SF (for use with VG2 & 7) | LA | 9ME | 25.34 | 173.23 | 111.97 |
| | SF (for use with VG2 & 7) | LB | 9MF | 25.34 | 155.89 | 99.54 |
| | SF (for use with VG2 & 7) | LC C | 9MG г\п @ 🛱 | 25.34 27 1 序 阶 | 149.59 | 95.58 |
| (RT) | SF (for use with VG2 & 7) | LEA' | | 1986 | 149.59 | 95.58 |
| | SF (for use with VG2) | LR \ | JUL 1 | S.103 F | 147.88 | 92.54 |
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| | ned: AliG 1 5 1984 | | Effecti | ive: OCT 15 | 1984 | 19 1984 |

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By R. D. BARRON, President-Missouri Diviston Southwestern Bell Telephone Company

St. Louis, Missouri

Access Services Tariff Section 7 Original Sheet 154

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

7.5 Rates and Charges-(Continued)

7.5.3 Features and Functions-(Continued)

2. Voice Grade Services-(Continued) OF MISSOUTH A. Facility Interface Combinations-(Contin

| - | | | Monthly Rates | Per S | ring Charges ervice nation |
|---------------------------------------|----------|--------------|----------------------------|---|----------------------------------|
| <u>IC</u> | End User | USOC | Per Service Termination | | Additional Service |
| SF (for use with VG3, 7 & 8) | DY | 9L3 | \$21.69 | \$151.25 | \$ 89.77 |
| SF (for use with VG3, 7, 8 & 9) | EA | 9 P O | 27.21 | 165.31 | 102.19 |
| SF (for use with VG3, 7, 8 & 9) | EB | 9 P 4 | 27.21 | 165.31 | 102.19 |
| SF (for use with VG1, 3 & 7) | GS) | 9PN | 31.37 | 148.89 | 92.85 |
| SF (for use with VG2 & 7) | LA | 9ME | 25.34 | 173.23 | 111.97 |
| SF (for use with VG2 & 7) | LB | 9MF | 25.34 | Na spragania y | 99.54 |
| SF (for use with VG2 & 7) | LC | 9MG | 25.34 | 149.59 | |
| SF (for use with VG1, 2 & 7 | LO . | 9 MK | 25.34 | JAN - 1 16 149.59 . 83 - 2 | 95.58 53 |
| SF (for use with VG2) | LR | 9L7 | 23.42 | | 92.54 |

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ACCESS SERVICES

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- SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)
- 7.5.3 Features and Functions-(Continued)
- A. Facility Interface Combinations-(Continued)

Public Service Commission

Voice Grade Services-(Continued)

| | | | | Monthly Rates | Nonrecurring Charges Per Service Termination | | |
|------|---------------------------------|----------|------|----------------------------|--|-----------------------|--|
| | <u>1c</u> | End User | USOC | Per Service Termination | First Service | Additional Service | |
| (RT) | SF (for use with VG2, 3, 7 & 8) | LS | 9MD | \$27.13 | \$147.88 | \$92.54 | |
| | SF (for use w1th VG3 & 7) | rv | 9P5 | 19.33 | 149.59 | 95 .5 8 | |

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OCT 1 5 1984 Effective:

. Original Sheet 155

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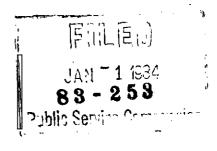
Section 7

ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)
 - 7.5.3 Features and Functions-(Continued)
 - A. Facility Interface Combinations-(Continued)
 - Voice Grade Services-(Continued)

| <u>1c</u> | | | Monthly Rates Per Service Termination | Nonrecurring Charges Per Service Termination | |
|--|----------|--------------|--|--|-----------------------|
| | End User | USOC | | First Service | Additional Service |
| SF (for use with VG1, 2, 3, 7 & 8) | LS | 9MD | \$27.13 | \$147.88 | \$92.54 |
| SF (for use with VG3 & 7) | RV | 9 P 5 | 19.33 | 149.59 | 95.58 |





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Access Services Tariff Section 7 "Original Sheet 156

DEC 20 000

ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.5 Rates and Charges-(Continued)
 - 7.5.3 Features and Functions-(Continued)
 - Facility Interface Combinations-(Continued)
 - Program Audio Services

| | | | Monthly Rates | Nonrecurring Charges Per Service Termination | |
|---------------------------|----------|-------|---------------------------------------|--|------------|
| <u>IC</u> | End User | USOC | Per Service Termination | First Service | Additional |
| 10 | End gael | 0500 | TELMINACION | Service | 26TATCE |
| PG3 | PG3 | 9A0 | \$ 4.13 | \$1,275.61 | \$917.85 |
| (for use with AP1) | | | | | |
| DS(1) | PG3 | 9AT | 4.13 | 1,102.52 | 967.07 |
| (for use with AP1) | | , | | -, | 35,110. |
| *#(O) | DCA | 0.434 | / 10 | 1 116 07 | 000 00 |
| AH(2) (for use with AP1) | PG3 | 9AM | 4.13 | 1,116.87 | 980.22 |
| | | • | | • | |
| PG5 | PG5 | 9AV | 21.25 | 1,275.61 | 917.85 |
| (for use with AP2) | | | | | |
| DS(1) | PG5 | 9A1 | 21.25 | 1,102.52 | 967.07 |
| (for use with AP2) | | | | • | |
| AH(2) | PG5 | 9AZ | 21.25 | 1,116.87 | 980.22 |
| (for use with AP2) | CD1 | JAL | 21.23 | 1,110.07 | 300.22 |
| | | | | | |
| PG8 (for use with AP3) | PG8 | 9A3 | 20.35 | 1,275.61 | 917.85 |
| (101 age with vita) | | | • | | |
| DS(1) | PG8 | 9A6 | 20.35 | 1,102.52 | 967.07 |
| (for use with AP3) | | | y. 44 - 44 | | 7 |
| AH(2) | PG8 | 9A4 | 20.35 | 1,116.87 | 980.22 |
| (for use with AP3) | | | · · · · · · · · · · · · · · · · · · · | |)ı |
| | | | जिना 🛭 एवंद | JAN ~ 1 1 | 50°2 |

(1) Requires intermediate DS1 to Voice Multiplexer 1986 One voice channel for AP1, two voice channels for AP2, three voice channels for AP3 and six

GANGELLEU

voice channels for AP4). (2) Requires intermediate Group to Voiee

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)
 - 7.5.3 Features and Functions-(Continued)
 - A. Facility Interface Combinations-(Continued)
 - 3. Program Audio Services ~ (Continued)

| DEC 20 (CCC |
|----------------------------|
| Public Contine Continueion |

| <u>IC</u> | | usoc | Monthly Rates Per Service Termination | Nonrecurring Charges Per Service Termination | |
|---------------------------|----------|------|--|--|-----------------------|
| | End User | | | First Service | Additional Service |
| PG1 (for use with AP4) | PG1 | 9A8 | \$101.27 | \$1275.61 | \$917.85 |
| DS(1) (for use with AP4) | PG1 | 9CC | 101.27 | 1102.52 | 967.07 |

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(1) Requires intermediate DS1 to Voice Multiplexer. (One voice channel for AP1, two voice channels for AP2, three voice channels for AP3 and six voice channels for AP4).

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SPECIAL ACCESS SERVICE-(Continued)

7.5 Rates and Charges-(Continued)

7.5.3 Features and Functions-(Continued)

A. Facility Interface Combinations-(Continued)

4. Wideband Analog Services

DESCRIPTION OF THE PROPERTY OF

DEC 2 9 1080

Public Schribs Commission,

Nonrecurring Charges

| | | | Monthly Rates | Per Ser Termina | vice |
|----------------------------|----------|---------------|---|---|---|
| | | | Per Service | First A | dditional |
| <u>IC</u> | End User | USOC | Termination | Service | Service |
| AH-D (for use with WA1) | AH-B | 9WB++ | ICB rates and charges apply | ICB rates and charges apply | ICB rates and charges apply |
| AH-C (for use with WA1) | ан-В | 9 WC++ | ICB rates and charges apply | ICB rates and charges apply | ICB rates and charges apply |
| AH-B (for use with WA1) | AH-B | 9 ₩D++ | ICB rates and charges apply | ICB rates and charges apply | ICB rates and charges apply |
| AH-C (for use with WA2) | AH-C | 9WE++ | ICB rates and charges | ICB rates and charges | ICB rates and charges |
| | BANGE | LLE | apply | apply | apply |
| | | 1986 | | | 1414:4 |
| | JUL 1 | טסכו | | 131 | 1 7 1 493 1 |

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ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
 - 7.5 Rates and Charges-(Continued)
 - 7.5.3 Features and Functions-(Continued)
 - A. Facility Interface Combinations-(Continued)
 - Wideband Analog Services-(Continued)

| | | | Monthly Rates | Nonrecurring Charges Per Service Termination | |
|----------------------------|----------|-------|---|--|-----------------------------|
| <u>IC</u> | End User | USOC | Per Service Termination | First Service | Additional Service |
| AH-D (for use with WA2) | AH-C | 9WF++ | ICB rates and charges apply | ICB rates and charges apply | ICB rates and charges apply |

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PUBLIC SERVICE COMMISSION

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)
 - 7.5.3 Features and Functions-(Continued)
 - A. Facility Interface Combinations (Continued)
 - 5. Wideband Digital Services

| | | | | Nonrecur | ring Charges |
|--------------------|-----------------|---------------|---------------|-----------------|------------------|
| | | | Monthly | Per S | ervice |
| | | | Rates | Termi | nation |
| | | | Per Service | First | Additional |
| <u>1C</u> | <u>End User</u> | USOC | Termination | Service | Service |
| WB-19S | WC-19 | 9WL++ | ICB | ICB | ICB |
| (for use with WD1) | | | rates | rates | rates |
| | | | and | and | and |
| | | • | charges | charges | charges |
| | | | apply | apply | apply |
| WB-18S | WC-18 | 9WM++ | ICB | ICB | ICB |
| (for use with WD1) | • | | rates | rates | rates |
| | | | and | and | and |
| | | | charges | charges | charges |
| | | | apply | apply | apply |
| WB-19A | ₩C-19 | 9 WN++ | ICB | ICB | ICB |
| (for use with WD1) | | | rates | rates | rates |
| | | | and | and | and |
| | | | charges | charges | charges |
| | | | apply | apply | apply |
| WB-50S | WC-50 | 9WO++ | ICB . | ICB | ICB |
| (for use with WD2) | * | | rates | rates | rates |
| | | | and | and | and |
| | | | | ~ cµãLSes | charges |
| | | | apply | apply | apply |
| WB-40S | CANCE | किल्ह | M ICB (| ICB | ICB |
| (for use with WD2) | UN NU IS | וטטוב | رو rates | rates | l Éâtes |
| | | 0 | and | an g 3 - | 2 ₹ 8 |
| | JUL 1 | 1986 | charges - | charges | charges |
| | | | apply | llapply | apply |
| | BY 124 R.S | , 103 | <u></u> | enn i A Aren L | |
| | PUBLIC SERVICE | COMMISSI | ON | | |
| | Ce 11156 | CUBL | | | |

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)
 - 7.5.3 Features and Functions-(Continued)
 - A. Facility Interface Combinations-(Continued)
 - 5. Wideband Digital Services-(Continued)

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Public Service Commission

Nonrecurring Charges

| | | | Monthly Rates | Per Service Termination | |
|------------------------------|----------|-------|---|---|---|
| IC | End User | usoc | Per Service Termination | First Service | Additional Service |
| WB-50A (for use with WD2) | WC-50 | 9WR++ | ICB rates and charges apply | ICB rates and charges apply | ICB rates and charges apply |
| WB-23S (for use with WD3) | WC-23S | 9WS++ | ICB rates and charges apply | ICB rates and charges apply | ICB rates and charges apply |
| WB-23A (for use with WD3) | WC-23 | 9WT++ | ICB rates and charges apply | ICB rates and charges apply | ICB rates and charges apply |

RT)

DO (for use with WD4)

DU-56 9WV++ ICB
BANGELLE Lates
charges

ICB ICB rates rates and and charges charges

JUL 1 1986 apply

apply

apply 居同

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OF MISSOURI

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

7.5 Rates and Charges-(Continued)

DEC 20 (003

Nonrecurring Charges

7.5.3 Features and Functions-(Continued)

067 15 1984 A. Facility Interface Combinations-(Continue)

Wideband Digital Services-(Continued) RYICE COMMISSION
OF MISSION

| | | | Monthly | | ervice |
|---------------------|----------|---------|--------------------|------------------|-----------------------|
| | | | Rates | | nation |
| | | | Per Service | First | Additional |
| <u>IC</u> | End User | USOC | <u>Termination</u> | Service | Service |
| WB-50A | WC-50 | 9WR++ | ICB | ICB | ICB |
| (for use with WD2) | | | rates | rates | rates |
| • | | | and | and | and |
| • | | | charges | charges | charges |
| | | | apply | apply | apply |
| WB-23S | WC-23S | 9WS++ | ICB | ICB | ICB |
| (for use with WD3) | WC-233 | 3 NOT T | rates | rates | rates |
| (101 ase with Mas) | | | and | and | and |
| | | | charges | | |
| | | | apply | charges apply | charges apply |
| | | | арріу | 4 bb r à | appry |
| WB-23A | WC-23 | 9WT++ | ICB. | ICB | ICB |
| (for use with WD3) | | | rates | rates | rates |
| | | | and | and | and |
| | | | charges | charges | charges |
| | | | apply | apply | apply |
| WB-64 | DU-56 | 9WU++ | ICB | ICB | ICB |
| (for use with WD4) | 20 30 | 3,,,,,, | rates | rates | rates |
| (101 000 1100 1101) | | | and | and | and |
| | 4 | | charges | charges | charges |
| | | | apply 7 | | apply |
| | | | | | F. Trans |
| ро | DU-56 | 9WV++ | ICB | ICBIT | - lace |
| (for use with WD4) | | | rates | rates | rates |
| | | | and | and A. | l ánd |
| | | | charges | charges_ | charges |
| | | | apply '5 | apply | € a ppy |
| | | | • | - U (,€, | , . |

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Nonrecurring Charges

ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.5 Rates and Charges-(Continued)
 - 7.5.3 Features and Functions-(Continued)
 - A. Facility Interface Combinations-(Continued)
 - 6. Digital Data Access Services

| | | | Monthly | | ervice |
|-----------------------------|----------------------|---------------------|----------------------------|------------|------------------------------|
| | | | Rates | Termin | nation |
| | | | Per Service | First | Additional |
| <u>IC</u> | End User | USCC | Termination | Service | Service |
| DU-24 (for use with DA1) | DU-24 | 9CG | None | \$1,363.42 | \$ 992.40 |
| DS(1) (for use with DA1) | DU-24 | 9CN | None | 1,159.04 | 1,016.26 |
| DU-48 (for use with DA2) . | DU-48 | 9 C O | None | 1,364.01 | 992.92 |
| DS(1) (for use with DA2) | DU-48 | 900 | None | 1,159.38 | 1,016.56 |
| DU-96 (for use with DA3) | DU-96 | 9CW | None | 1,365.18 | 993.98 |
| DS(1) (for use with DA3) | DU-96 | 9CJ | None | 1,159.96 | 1,017.08 |
| DU-56 (for use with DA4) | D U~56 | 9CK | \$13.22 | 1,401.22 | 1,226.76 |
| DS(1) (for use with DA4) | du-56 GA N | 9CQ 6 E | 23.03 LEO | 1 | 1,045.85 |
| ~ | BY PUBLIC S | R.S | 1986 . 103 ommission | JAN | ~ 1 (93); - .2 5 3 |

OF MISSOUR (1) Digital Data Carrier Multiplexing Equipment is required.

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ACCESS SERVICES

DEC 25 (000 -

- 7. SPECIAL ACCESS SERVICE-(Continued)
 - 7.5 Rates and Charges-(Continued)
 - 7.5.3 Features and Functions-(Continued)
 - A. Facility Interface Combinations-(Continued)
 - 7. High Capacity Services

| arga especie, servi | | | Monthly Rates | Per Se Termin | ation |
|---------------------------------|----------------|----------|---|---|---|
| <u>IC</u> | End User | USOC | Per Service Termination | First Service | Additional Service |
| DS-15 (for use with HC1) | מע | 9C4 | \$599.18 | \$325.10 | \$182.91 |
| DS-31 (for use with HC1C)(1) | DS-31 | 9UE | ICB rates and charges apply | ICB rates and charges apply | ICB rates and charges apply |
| DS-31 (for use with HC1C) | DS-15 | 900++ | ICB rates and charges apply | ICB rates and charges apply | ICB rates and charges apply |
| DS-63 (for use with HC2)(1) | DS-63 | 9W++ | ICB rates and charges apply | ICB rates and charges apply | ICB rates and charges apply |
| DS-63 (for use with HC2) | UL 1 | 1986 | rates and charges | Fich 511 Jand 19 Acharaes 8 Sppi 9 | ICB rates A and charges apply |
| | PUBLIC SERVICE | E COMMIS | SSION Pun | lie Serving in | • |

(1) Available only from IC terminal location to another IC terminal location.

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DEC 20 WIS

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.5 Rates and Charges-(Continued)

7.5.3 Features and Functions-(Continued)

A. Facility Interface Combinations-(Continued)

7. High Capacity Services-(Continued)

| | | | Monthly Rates | Nonrecurring Char Per Service Termination | |
|--------------------------|----------|-------|------------------|---|------------------|
| | | | Per Service | First | Additional |
| <u>IC</u> | End User | USOC | Termination | Service | Service |
| DS-44 | DS-44 | 9UG++ | ICB | ICB | ICB |
| (for use with $HC3$)(1) | | | rates | rates | rates |
| | | | and | and | and |
| | | | charges apply | charges apply | charges apply |
| DS-44 | DS-15 | 9UF++ | ICB | ICB | ICB |
| (for use with HC3) | | | rates | rates | rates |
| | | | and | and | and |
| | | | charges apply | charges apply | charges apply |
| DS-27 | DS-27 | 9UC++ | ICB | ICB | ICB |
| (for use with HC4)(1) | | | rates | rates | rates |
| | | | and | and | and |
| | | | charges | charges | charges |
| | | | apply | apply | apply |
| DS-27 | DS-15 | 9UB++ | ICB | ICB | ICB |
| (for use with HC4) | | | rates | rates | rates |
| | | | and | ard | and |
| | | | | charges | charges |
| • | GANDE | | apply | apply | apply ' |

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PUBLIC SERVICE COMMISSION

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(1) Available only from IC terminal location to another IC terminal location.

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L. B. B. L. J. S. W.

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)
 - 7.5.3 Features and Functions-(Continued)
 - B. Voice Grade Performance

DEC 29 133

Public St. 100 Com. Scient

| | | | Nonrecurri | |
|-------------|------|------------------|---------------------|-----------------------|
| | USOC | Monthly Rates(1) | First Service(1) | Additional Service(1) |
| Performance | VGP | | | |
| VG1 | | \$6.46 | \$400.95 | \$211.38 |
| VG2 | | 6.46 | 400.95 | 211.38 |
| VG3 | - | 6.46 | 400.95 | 211.38 |
| VG5 | | 6.46 | 401.35 | 214.33 |
| VG6 | | 6.46 | 407.74 | 214.33 |
| VG7 | | 6.46 | 407.74 | 214.33 |
| VG8 | | 6.46 | 412.00 | 214.33 |
| 'VG9. | | 6.46 | 412.00 | 214.33 |
| VG1Q | | 6.46 | 401.35 | 214.33 |

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PUBLIC SERVICE COMMISSION
OF MISSOURI

FILE 1984 93 - 25

 The monthly rates and nonrecurring charges apply on a per two-point service or each section (i.e., midlink or end link) of a multipoint service basis.

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)
- 7.5.3 Features and Functions (Continued)
 - Hub Functions
 - 1. Multiplexing

DEC 25 CCC

DS4 to DS1: An arrangement that provides a 274.176 Mbps capacity to multiplex, on a digital time division basis, 168 DS1 channels.

(available with HC4) - Per arrangement

DS3 to DS1: An arrangement that provides a 44.736 Mbps capacity to multiplex, on a digital time division basis, 28 DS1 channels. (available with HC3)

- Per arrangement

DS2 to DS1: An arrangement that provides a 6.312 Mbps capacity to multiplex, on a digital time division basis, four DS1 channels. (available with HC2)

- Per arrangement

1986 JUL 1 PUBLIC SERVICE COMMISSION OF MISSOURI

Monthly Nonrecurring Rates Charges

USOC

MQ4

ICB ICB rates rates and and charges charges apply apply

MQ3 ICB ICB rates rates and and charges charges apply apply

1 183 83-253

ICB rates rates and and charges charges

apply

apply

MO2

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ACCESS SERVICES

DEC 28 1003

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.5 Rates and Charges-(Continued)
 - 7.5.3 Features and Functions-(Continued)
 - C. Hub Functions-(Continued)
 - Multiplexing-(Continued)

| | Monthly | Nonrecurring |
|------|---------|---------------|
| USOC | Rates | Charges |
| | | . |

DS1C to DS1: An arrangement that provides a 3.152 Mbps capacity to multiplex, on a digital time division basis, two DS1 channels. (available with HClC)

Per arrangement

MQC ICB rates ICB rates

and and charges charges apply apply

Supergroup to Group: An arrangement that provides a Supergroup capacity (60 channels) to multiplex, on a frequency division basis, five Groups (12 channels each).

(available with WA2) - Per arrangement

MOS++

ICB rates ICB rates

and charges apply

aad charges apply

Group to DS1:

An arrangement that provides two group CANGELLED capabilities (i.e., CANGELLED to multiplex to a DS1 level.

(available with WA1T) Per arrangement

JUL 1 -1986

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MQG++

PUBLIC SERVICE COMMISSION

ICB rates

and

ICB rates and

charges apply

charges apply

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

7.5 Rates and Charges-(Continued)

7.5.3 Features and Functions-(Continued)

C. Hub Functions-(Continued)

Multiplexing-(Continued)

DEC 20 203

USOC DS1 to Voice or Digital Data: An arrangement that provides a 1.544 Mbps capacity to multiplex, on a digital time division basis, 24 Voice or Digital Data(1) grade channels. (available with HC1) - Per arrangement MQ1

\$116.57

Monthly

Rates

\$171.26

Nonrecurring

Charges

Group to Voice: An arrangement that provides a Group capacity to multiplex, on a frequency division basis, 12 Voice grade channels. (available with WA1)

- Per arrangement

HOV++

ICB rates and

apply

ICB rates

and charges

charges apply

Voice to Narrowband (43-Type Carrier): An arrangement that provides a voice grade capacity to multiplex, on a frequency divisor NBELLED basis, NB4 and NB5 channels. JUL 1 1986 (available with VG6) - Per arrangement MOX

JAN 71 (93)

\$281.63**8 3 -6320523**

PUBLIC SERVICE COMMISSION OF MISSOUR

(1) Digital Data channels are only available from the serving wire center serving the Telephone Company-designated Digital Hub. Digital Data on DS1 is used only as a component of DA1-4.

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

DEC 20 (23)

- 7.5 Rates and Charges-(Continued)
 - 7.5.3 Features and Functions-(Continued)
 - C. Hub Functions-(Continued)
 - Multiplexing-(Continued)

| | Monthly | Nonrecur | ring | Charge |
|------|---------|----------|------|--------|
| USOC | Rates | Initial | | |

Digital Data Multiplexing:
(Required with Digital
Data Access service with
DS facility interface at IC
terminal location).

Carrier Multiplexing Unit: An arrangement that provides a 1.544 Mbps capacity to multiplex on a digital time division basis, (23) 64 kbps channels. - Per Unit

QMU \$170.44 \$158.60 None

Carrier Multiplexing
Plug-Ins
- Per 64 kbps channel
equipped(1)

9.6 kbps services

QP1 1.76 59.94 \$152.65

Carrier Sub-Multiplexing Unit:
An arrangement that provides a 64 kbps capacity to multiplex on a digital time division basis, subspeed
Digital Data Access Services JUL 1 1986
- per unit

JAN 71 (82) 83 - 253

188.59

- 20 2.4 kbps services PUBLIC SERVICIOS DE 24MISSION 65.29 100.11 - 10 4.8 kbps services OF MOSU48 85.19 80.03

QSU48 85.19 80.03 170.63 QSU96 59.22 80.03 170.63

(1) Required with DS1 to Digital Data Channels Hub Multiplexing Capability (MQ1).

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.5 Rates and Charges-(Continued)

7.5.3 Features and Functions-(Continued)

C. Hub Functions-(Continued)

2.

| Bridging | | Manakhin | V |
|--|--|------------------|----------------------------------|
| | USOC | Monthly Rates | Nonrecurring Charges |
| Narrowband Bridges | | | |
| Two-Wire Bridging: (available with NB1-2) - Per Port | BCNN2 | \$3.60 | \$ 5.93 |
| Telegraph Bridging: (available with NB4&NB5) | | | |
| - Two-Wire Per Port | BCNT2 | 3.60 | 7.10 |
| - Four-Wire Per Port | BCNT4 | 3.60 | 11.80 |
| Voice Grade Bridges | | | |
| Voice Bridging: (available with VG2) | | | |
| - Two-Wire Per Port | BCNV2 | 3.60 | 7.10 |
| - Four-Wire Per Port | BCNV4 | 3.60 | \[\frac{11.80}{11.80} |
| Data Bridging: (available with VG5, 6 | and the later of t | II. | UAN = 1 168 . 83 - 253 |
| - Two-Wire Per Port | JUL 1 1986 BCND2 | 5.95 | 7.10 |
| - Four-Wire BY Per Port PUB | LIC SERVICE COMMISSION CND4 | 5.95 | 11.80 |
| | | | |

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| 7. | SPECIAL | ACCESS | SERVICE- | [Continued] |) |
|----|---------|--------|----------|-------------|---|
|----|---------|--------|----------|-------------|---|

7.5 Rates and Charges-(Continued)

7.5.3 Features and Functions-(Continued)

C. Hub Functions-(Continued)

| 2. | Bridging-(Continued) | |
|----|----------------------|--|
|----|----------------------|--|

| | usoc | Monthly Rates | Nonrecurring Charges |
|---|------|------------------|-------------------------|
| Voice Grade Bridges-(Continued) | | | |
| DATAPHONE Select-A-Station Bridging: (available with VG5) | | · | |
| Sequential Arrangement Ports | | | |
| Per 2-wire channel connected | DQ2 | \$ 27.60 · | \$ 7.10 |
| - Per 4-wire channel connected | DQ4 | 146.57 | 11.80 |
| Addressable Arrangement Ports | | | |
| Per 2-wire channel connected | KQ2 | 29.59 | 7.10 |
| - Per 4-wire channel connected | KQ4 | 150.57 | 11.80 |

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- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)
 - 7.5.3 Features and Functions (Continued)
 - C. Hub Functions-(Continued)
 - Bridging-(Continued)

Samuel Control of Control of Control

DEC2EL

| | Monthly | Nonrecurring |
|------|---------|--------------|
| USOC | Rates | Charges |

Voice Grade Bridges-(Continued)

Telemetry and Alarm Bridging: (available with VG5)

Split Band, Active Bridging

Channel Connections - per channel connected

CNLRX \$10.46

\$7.10

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.5 Rates and Charges-(Continued)
 - 7.5.3 Features and Functions-(Continued)

Central office bridge

- Per Port

- C. Hub Functions-(Continued)

| Bridging-(Continued) | 11000 | Monthly | Nonrecurring Charges | |
|--|-------|---------|-------------------------|--|
| Voice Grade Bridges-(Continued) | usoc | Rates | | |
| Passive Bridging | | | | |
| Channel Connections - Per channel connected | BCNTP | \$.95 | \$ 7.10 | |
| Summation, Active Bridging | | | | |
| Channel Connections - Per channel connected | BCNSA | 1.77 | 7.10 | |
| Program Audio Bridges (available with AP1-4) | | | | |
| Distribution Amplifiers - Per Bridge | BCNPA | 47.42 | 39.96 | |
| Digital Data Access Bridges (available with DA1-4) | | | | |

BCNDA

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DEC 20 1003

- SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)
- 7.5.3 Features and Functions-(Continued)
- D. Optional Features and Functions
 - Voice Grade Services
 - Conditioning

Conditioning provides more specific transmission characteristics for data services. There are two types of data conditioning, C-Type and DA-Type. C-Type conditioning controls attenuation distortion and envelope delay distortion; DA-Type conditioning controls the signal to C-notched noise ratio and intermodulation distortion.

Conditioning is charged for on a per two-point service or each section (i.e., midlink or end link). The parameters listed for each type of conditioning apply from point of interface to network interface. For two-point services, the parameters apply to each service. For multipoint services, the parameters apply to any path between any two service terminal points. C-Type and Dalle I Type conditioning are available only for data services.

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ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
 - 7.5 Rates and Charges-(Continued)
 - 7.5.3 Features and Functions-(Continued)
 - D. Optional Features and Functions
 - Voice Grade Services-(Continued)
 - a. Conditioning-(Continued)

C-Type and DA-Type conditioning may be combined on the same service.

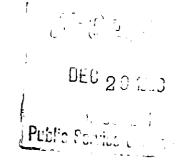
(1) C-Type Conditioning

For the additional control of attenuation distortion and envelope delay distortion on data services.

Attenuation Distortion (Frequency Response) Relative to 1004HZ

Frequency Variation

| Range (HZ) | | <u>1b)</u> | |
|------------|------|------------|------|
| 400-2800 | -1.0 | to | +2.0 |
| 300-3000 | -1.0 | to | +3.0 |
| 300-3200 | -2.0 | to | +6.0 |



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DEC 29 1003

- 7. SPECIAL ACCESS SERVICE-(Continued)
 - 7.5 Rates and Charges-(Continued)
 - 7.5.3 Features and Functions-(Continued)
 - D. Optional Features and Functions-(Continued)

Public Service Commission

1. Voice Grade Services-(Continued)

Monthly Nonrecurring Charges
USOC Rates Initial Subsequent

- a. Conditioning-(Continued)
 - (1) C-Type Conditioning-(Continued)

Envelope Delay. Distortion Variation Frequency (micro-Range (HZ) seconds) 1000-2600 100 800-2600 200 300 600-2600 500-2800 600 500-3000 3000

(available with VG5-10)
- Per Two-Point
 Service or each sec tion (i.e., mid link
 or end link) of a
 Multipoint Service

X1C \$7.40

\$12.47

\$771.12

(2) DA-Type Conditioning

multipoint services.

For the control of signal to C-notched noise ratio and intermodulation distortion on data services: DA-Type conditioning is

available for two-point services or three-point.

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DEC 20 1883

ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.5 Rates and Charges-(Continued)
 - 7.5.3 Features and Functions-(Continued)
 - Optional Features and Functions-(Continued)
 - Voice Grade Services-(Continued)
 - Conditioning-(Continued)
 - DA-Type Conditioning:-(Continued)

The signal to Cnotched noise ratio and intermodulation distortion parameters for DA-Type conditioning are:

- Signal to C-Notched Noise Ratio is equal to or greater than 32dB
- Intermodulation distortion:
 - Signal to second order modulation products (R2) is equal to or greater than 38dB
 - Signal to third order modulation

greater than 42dB ANGELLED

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Access Services Tariff Section 7 Original Sheet 178

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
 - 7.5 Rates and Charges-(Continued)
 - 7.5.3 Features and Functions-(Continued)
 - D. Optional Features and Functions-(Continued)
 - Voice Grade Services-(Continued)

DEC 20 (Commission

USOC Rates Initial Subsequent

- Conditioning-(Continued)

When a service equipped with DA-Type conditioning is used for voice communications, the quality of the voice transmission may not be satisfactory.

(available with VG6, 7 & 10)

- Per Two-Point
Service or each
section (i.e., mid
link or end link)
of a Multipoint Service

XDC \$1.65 \$10.65 \$769.30

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Section 7
Original Sheet 179

ACCESS SERVICES

DEC 20 1383

- 7. SPECIAL ACCESS SERVICE-(Continued)
 - 7.5 Rates and Charges-(Continued)
 - 7.5.3 Features and Functions-(Continued)
 - D. Optional Features and Functions-(Continued)
 - 1. Voice Grade Services-(Continued)

USOC Rates Nonrecurring Charges
Initial Subsequent

Improved Return Loss for effective two-wire transmission at the End User's premises. This option is applicable to all interfaces except E&M, SF & DX when the impedance code 2 is specified. The Improved Return Loss parameters are set forth in the Transmission Performance descriptions of the services with which this option is available. (available with VG2, 3&7) - Per End User's premises, per service

1RL2W \$2.20

\$15.34

\$44.94

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ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)
- 7.5.3 Features and Functions-(Continued)
 - Optional Features and Functions-(Continued)
 - Voice Grade Services-(Continued)

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Public Service Commission

Monthly Nonrecurring Charges USOC Rates Inítial Subsequent

Improved Return Loss at c. four-wire point of interface, applicable to each two-wire leg of effective four-wire channel. The Improved Return Loss parameters are set forth in the Transmission Performance descriptions of the services with which this option is available. (available with VG1-3, 5-10)

- Per IC terminal location, per service

IC specified End User's premises receive level

within a range acceptable to the Telephone Company.

(available with VG2, 3, 7, 8 & 9)

- Per End User's premises, per service

RLS None

\$2.20

10.87

\$27.87

40.47

\$57.46

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1RL4W

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By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

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ACCESS SERVICES

DEC 20 123

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.5 Rates and Charges-(Continued)
 - 7.5.3 Features and Functions-(Continued)
 - D. Optional Features and Functions-(Continued)
 - 1. Voice Grade Services-(Continued)

USOC Rates Initial Subsequent

c. Improved Return Loss at four-wire point of interface, applicable to each two-wire leg of effective four-wire channel. The Improved Return Loss parameters are set forth in the Transmission Performance descriptions of the services with which this option is available.

(available with VG1-3, 5-10)

 Per IC terminal location, per service PUBLIC SERVICE COMMISSION
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1RL4W \$2.20 \$27.87 \$57.46

d. IC specified End User's premises receive level within a range acceptable to the Telephone Company on effective four-wire transmission.

(available with VG2, 3, 7, 8 & 9)

 Per End User's premises, per service

RLS None

10.87 40.47

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Access Services Tariff Section 7 Original Sheet 181

ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)
 - 7.5.3 Features and Functions-(Continued)
 - D. Optional Features and Functions-(Continued)
 - 2. Program Audio Services

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| Public Sunder Commission |

| | | USOC | Monthly <u>Rates</u> | Nonrecur: Initial | ring Charges Subsequent | |
|----|--|------|-------------------------|----------------------|----------------------------|--|
| a. | Gain Conditioning | | | | | |
| | Control of 1004 Hz AML at initiation of service to 0 dB + 0.5 dB. (available with AP1-4) | | | | | |
| | - Per Service | XGC | \$4.88 | \$65.06 | \$382.71 | |
| b. | Stereo - provision of a pair of gain/ phase equalized channels for stereo applications. (Addi- tional AP channel must be ordered separately). (available with AP4) | | | | | |
| | - Per Service | XSC | None | 65.06 | 382.71 | |

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Access Services Tariff Section 7 Original Sheet 182

ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.5 Rates and Charges-(Continued)
 - 7.5.3 Features and Functions-(Continued)
 - D. Optional Features and Functions-(Continued)
 - Dedicated Access Line Service

| <u>soc</u> | Monthly | Nonrecurr | ing Charges |
|------------|---------|-----------|------------------|
| | Rates | Initial | Subsequent |
| K2T | \$7.26 | \$12.47 | \$520. 39 |

| | | | Monthly | | Nonrecurring Charges | | |
|----|---|-------------|---------|---------|----------------------|--|--|
| | | <u>usoc</u> | Rates | Initial | Subsequent | | |
| a. | Two-Wire Improved Voice Transmission Parameters: (the guaranteed levels are set forth in 7.2.1, F.4.b, pre- ceding) - Per service | X2T | \$7.26 | \$12.47 | \$520. 39 | | |
| ъ. | Four-Wire Improved Voice Transmission Parameters: (the guaranteed levels are set forth in 7.2.1, F.4.c., pre- ceding) - Per service | х4т | 7.26 | 12.47 | 5 20. 39 | | |

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'ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
 - 7.5 Rates and Charges-(Continued)
 - 7.5.3 Features and Functions-(Continued)
 - D. Optional Features and Functions-(Continued)
 - 4. Digital Data Access Services

Access Services Tariff Section 7 Original Sheet 183

DEC 25 LET

| | Monthly | Nonrecur | ring Charges |
|------|---------|----------------|--------------|
| USOC | Rates | <u>Initial</u> | Subsequent |

a. Loop Transfer Arrangement an arrangement that affords the end user an additional measure of protection to its access channel(s) on a 1xN basis. This arrangement is only available from a Telephone Company designated digital hub. A key activated control service is required to operate the transfer arrangement. This control service must be separately ordered from the appropriate Telephone Company IntraLATA tariff. (available with DA1, 2, 3 & 4)

- Per Arrangement

XTD

\$19.10

\$99.32

\$210.39

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Section 7
Original Sheet 184

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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- 7.5 Rates and Charges-(Continued)
 - 7.5.3 Features and Functions-(Continued)
 - D. Optional Features and Functions-(Continued)
 - 5. High Capacity Services

USOC Rates Initial Subsequent

- a. Automatic Protection
 Switching: Switching
 equipment placed at both
 ends of a duplicate standby service to automatically switch the standby
 service to the active
 state in the event of
 service failure. Duplicate 1.544 Mbps Service
 must also be ordered.
 - Per Arrangement

APP \$317.45 \$77.08

\$180.27

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

7.5 Rates and Charges-(Continued)

7.5.4 Special Access Lines

D Nonrecurring Monthly 4 and 4 and 5 an

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| | USOC | Rates | First | Additional |
|---|--------------|---|----------|------------|
| 2-Wire(1) (for use with NB1-2, NB4-5, VG1-3, VG5-10, and AP1-4) | EUC2X | \$38.47 | None | None |
| 2-Wire(1) (for use with Dedicated Access Line Service)(3) | х 2н | 38.47 | \$509.05 | \$275.75 |
| 4-Wire(1) (for use with NB4-5, VG1-3, VG5-10 and DA1-4) | EUC4X | 61.22 | None | None |
| 4-Wire(1) (for use with Dedicated Access Line Service)(3) | х4н | 61.22 | 509.05 | 275.75 |
| Access for Intrastate WATS or WATS-like(2) -per line | DB X | 39.07 | None | None |
| Group(1) (for use with WA1) | EUJ++ | ICB rates and charges apply | | |
| Supergroup(1) (for use with WAR) JUL 1 | 1986 1986 | ICB rates and charges apply | • | |

(1) See 7.4.2, preceding, From apply Cation of Special Access Service Surcharge.
(2) This arrangement is available only when the Telephone Company-provided WATS

line is used for interLATA purposes. It is provided only when an IC provides an interLATA service that is compatible with the capabilities associated with the Telephone Company-provided Outward WATS or WATS-like services. When this rate element is applicable, the rates for Dedicated Access Lines 171111210 Services are not applicable.

(3) When the SAL is for an extension on a Dedicated Access Line Service, the USOC code is changed to XCE.

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Section 7
Original Sheet 185

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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7.5 Rates and Charges-(Continued)

7.5.4 Special Access Lines

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| | USOC | Monthly Rates | Nonrecur: First | ring Charges Additional |
|--|--|---|--------------------|-----------------------------------|
| 2-Wire(1) (for use with NB1-2, NB4-5, VG1-3, VG5-10, and AP1-4) | EUC2X | \$38.47 | None | None |
| 2-Wire(1) (for use with Dedicated Access Line Service) | Х2Н | 38.47 | \$509.05 | \$275.75 |
| 4-Wire(1) | EUC4X | 61.2 2 | None | None |
| (for use with NB4-5, VG1-3, VG5-10 and DA1-4) 4-Wire(1) (for use with Dedicated Access Line Service) Access for Intrastate WATS or WATS-like(2) -per line | OCT 1 5 1984 BY PUBLIC SERVICE COMMI PUBLIC SERVICE COMMI DBX ^P MISSOURI | 61.22 SSION 39.07 | 509.05 None | 275.75 None |
| Group(1) (for use with WAI) | EUJ ++ | ICB rates and charges apply | | |
| Supergroup(1) (for use with WA2) | EUK++ | ICB rates and charges apply | 83 | 元[名]。 - 12 (5 3 |

(1) See 7.4.2, preceding, for application of Special Access Service Surcharge.

(2) This arrangement is available only when the Telephone Company-provided WATS line is used for interLATA purposes. It is provided only when an IC provides an interLATA service that is compatible with the capabilities associated with the Telephone Company-provided Outward WATS or WATS-like services. When this rate element is applicable, the rates for Dedicated Access Lines Services are not applicable.

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Section 7
Original Sheet 186

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)
 - 7.5.4 Special Access Lines-(Continued)

| | Dl | ΞC | 2 | Э | ر ان | E. |) | |
|------|-----|----|---|---|---------|---------------|------|------|
| | | • | | - | | : | | |
| uLH. | ; , | Ü | | | Ĵ | ده خیم ا ا | رماد | cion |

| Each: 19.2 kbps(1) (for use with WD1) | <u>uso</u> euq | | · |
|--|---|--|------------------------|
| 50 kbps(1) (for use with WD2) | EUR | apply ICB rates and charge apply | s |
| 230.4 kbps(1) (for use with WD3) | EUT | t++ ICB rates and charge apply | s |
| 56 kbps(1) (for use with WD4) | EUV | 7++ ICB rates and charge apply | s |
| DS1(1) - 1.544 Mbp (for use with HC1) | s EUV | \$125.1 | 4 |
| | JUL 1 1986 Y A R S LOT UBLIC SERVICE COMMISSI | | が、近長か J/:N = 1 1980 |
| (1) See 7.4.2, preceding, f | or application of | Special Access S | Service Surcharge. |

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Access Services Tariff

ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.5 Rates and Charges-(Continued)

Optional Feature

Provides conversion from 4-wire SAL to 2-wire termination at

End User's premises. Required to meet effective four-wire performance with a

2-wire End User's premises facility

Hybrid:

7.5.4 Special Access Lines-(Continued)

Section 7 Original Sheet 187

DEC 20 1003

| Each: | | Rates |
|---|-------|---|
| DS2(1) - 6.312 Mbps (for use with HC2) | EU2++ | ICB rates and charges apply |
| DS3(1) - 44.736 Mbps (for use with HC3) | EU3++ | ICB rates and charges apply |
| DS4(1) - 274.176 Mbps (for use with HC4) | EUZ++ | ICB rates and charges apply |

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(1) See 7.4.2, preceding, for application of Special Access Service Surcharge.

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JAN 0 1 1984 Effective:

Monthly

Rates

\$6.05

Nonrecurring

Charge

\$15.34

Access Services Tariff Section 7 Original Sheet 188

ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

DEC 20 1003

7.5 Rates and Charges-(Continued)

7.5.4 Special Access Lines-(Continued)

Monthly

Each:

USOC

Rates

Special Access Service

Surcharge(1)

Per Voice equivalent channel

S25

\$28.23

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OF MISSOURI

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(1) See 7.4.2, preceding, for application of Special Access Service Surcharge.

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