

No Supplement to this tariff will be issued except for the purpose of canceling this tariff.

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE

(AT) 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>
Automatic Loop Transfer	Automatic Protection Switching
Bridging	Bridging
- Central Office Bridging Capability	
- Telegraph 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	
Secondary Channel Capability	Secondary Channel Capability

(AT)

(MT)

Issued: March 26, 1993

Effective: April 11, 1993

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

No supplement to this tariff will be issued except for the purpose of canceling this tariff

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

ACCESS SERVICES

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 6th R.S. #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.

DEC 4 1992

Issued: **OCT - 5 1992**

Effective: **DEC - 4 1992**

~~OCT - 5 1992~~

By A. D. ROBERTSON, Assistant Vice President-External Affairs
Southwestern Bell Telephone Company
St. Louis, Missouri

No supplement to this tariff will be issued except for the purpose of canceling this tariff.

Access Services Tariff

Section 7

4th Revised Sheet 1

Replacing ~~3rd Revised Sheet 1~~

ACCESS SERVICES

MAY 29 1991

MISSOURI

Public Service Commission

7. SPECIAL ACCESS SERVICE

7.1 General

- (AT) Special Access Service with the exception of the WATS Access Line and
- (AT) 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
- (AT) functions are performed. The WATS Access Line, offered under Voice Grade
- (AT) Service, provides a transmission path connecting a customer designated
- (AT) premises with the WATS serving office. Network Reconfiguration Service,
- (AT) found in Section 19, following, works in conjunction with Special Access
- (AT) Service allowing customers the ability to reconfigure their circuits.
- (AT) Special Access Service includes all exchange access not utilizing Telephone
- (AT) 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 Sth R.S. #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: JUN 04 1991

Effective: AUG 05 1991

FILED

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

AUG 5 1991

Public Service Commission

No supplement to this tariff will be issued except for the purpose of canceling this tariff

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

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OCT 13 1987

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE

7.1 General

MISSOURI
Public Service Commission

(AT) 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.

CANCELLED

AUG 2 1991
BY H. R. B. #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. FILED

Issued: OCT 14 1987

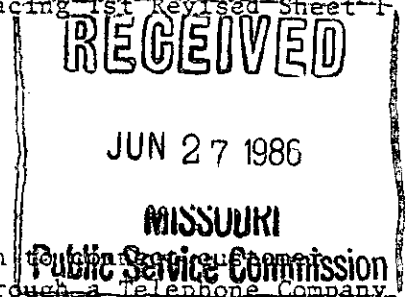
Effective: OCT 16 1987 TO-87-42
Public Service Commission

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

No supplement to this tariff will be issued except for the purpose of canceling this tariff

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

(CP)ACCESS SERVICES



7. SPECIAL ACCESS SERVICE

7.1 General

Special Access Service provides a transmission path to (IC) designated premises(1), either directly or through a Telephone Company 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.

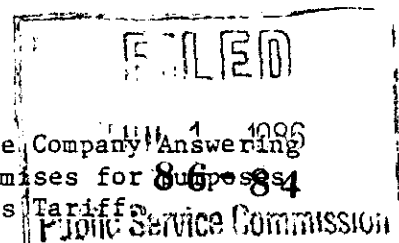
7.1.1 Channel Types

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
OCT 16 1987
BY 3207 S#1
Public Service Commission
MISSOURI



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

Company Answering
Supplies for 86-84
Tariffs
Public Service Commission

Issued: JUN 27 1986

Effective: JUL 1 1986

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

No supplement to this tariff will be issued except for the purpose of canceling this tariff.

Access Services Tariff

Section of
1st Revised Sheet
Replacing Original Sheet 1
AUG 1 1984
MISSOURI
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.

CANCELLED

JUL 1 1986

BY *grad RS #1*
PUBLIC SERVICE COMMISSION
OF MISSOURI

- (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 or WATS-type serving office is only for use with Feature Group C or D Switched Access Service.

(CT)

OCT 15 1984
Public Service Commission

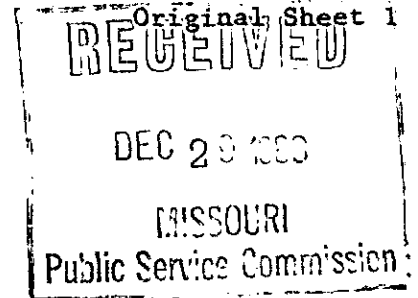
Issued: AUG 15 1984

Effective: OCT 15 1984

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

No supplement to this tariff will be issued except for the purpose of canceling this tariff.

Access Services Tariff
Section 7
Original Sheet 1



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.

CANCELLED

OCT 15 1984

BY 10th RS 1
PUBLIC SERVICE COMMISSION
OF MISSOURI

FILED

JAN - 1 1984
83 - 253

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 01 1984

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

No Supplement to this tariff will be issued except for the purpose of canceling this tariff.

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

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE

7.1 General

(RT) 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 (RT) 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

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

No supplement to this tariff will be issued except for the purpose of canceling this tariff.

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

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ACCESS SERVICES

AUG 26 1994

7. SPECIAL ACCESS SERVICE

7.1 General

MO. PUBLIC SERVICE COMM.

(AT) 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

FEB 02 2003
4 HRS 01
Public Service Commission
MISSOURI

FILED

(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.

SEP 26 1994

Issued: **AUG 26 1994**

Effective: **SEP 26 1994 MISSOURI**

By M. H. SCHULTEIS, Executive Director-External Affairs
Southwestern Bell Telephone
St. Louis, Missouri
Public Service Commission

No supplement to this tariff will be issued except for the purpose of canceling this tariff.

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

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE

MAY 24 1994

7.1 General

MISSOURI

Special Access Service with the exception of the 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.

(AT)

(AT)

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 transmission parameters and channel interfaces. These services are available to meet specific communications requirements.

CANCELLED

SEP 26 1994

2nd R.S. #1.01
Public Service Commission
MISSOURI
FILED

JUL 15 1994

MISSOURI
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: MAY 24 1994

Effective: JUN 24 1994

JUL 15 1994

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

No supplement to this tariff will be issued except for the purpose of canceling this tariff.

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

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FEB 9 1993

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE

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

(CT) 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

JUL 15 1994

BY 2nd 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 19 1993

FILED

Issued: FEB 09 1993

Effective: ~~APR 11 1993~~

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

MO. PUBLIC SERVICE COMM.

No supplement to this tariff will be issued except for the purpose of canceling this tariff.

Access Services Tariff
Section 7
Original Sheet 1.01

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MAR 29 1993

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE

MISSOURI
Public Service Commission

(MT) 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 19 1993
BY Let R.S. # 1.01
Public Service Commission
MISSOURI

- (MT) (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 26 1993

Effective:

FILED
APR 11 1993

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

APR 11 1993
92-304
MO. PUBLIC SERVICE COMM.

No Supplement to this tariff will be issued except for the purpose of canceling this tariff.

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.

(AT) 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 are also provided in conjunction with Frame Relay Service.

(RT) High Capacity - A channel for the transmission of isochronous
(AT) 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.

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

smService Mark of Southwestern Bell Telephone Company.

Issued: May 24, 1994

Effective: July 15, 1994

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

No supplement to this tariff will be issued except for the purpose of canceling this tariff.

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

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

(AT)

(AT) smService Mark of Southwestern Bell Telephone Company.

CANCELLED

JUL 15 1994

4th P.S. #2
Public Service Commission
MISSOURI

DEC 4 1992

DEC - 14 1992

Issued: OCT - 5 1992

Effective: ~~NOV - 5 1992~~

By A. D. ROBERTSON, Assistant Vice President-External Affairs
Southwestern Bell Telephone Company
St. Louis, Missouri

No supplement to this tariff will be issued except for the purpose of canceling this tariff.

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)

MISSOURI

Public Service Commission

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.

CANCELLED

DEC 4 1992

BY 3rd R.S. #2

Public Service Commission

MISSOURI

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 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.

FILED

OCT 1 1989

Issued: SEP 25 1989

Effective: OCT 1 1989 89-14
Public Service Commission

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

(RT)
|
(RT)

(CT)

No supplement to this tariff will be issued except for the purpose of canceling this tariff.

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

(CP)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.

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JUN 27 1986
MISSOURI
Public Service Commission

CANCELLED

Following is a brief description of each type of channel:

OCT 1 1989

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

BY gms R5#2
Public Service Commission
MISSOURI

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 18kHz, 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 kbps.

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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.

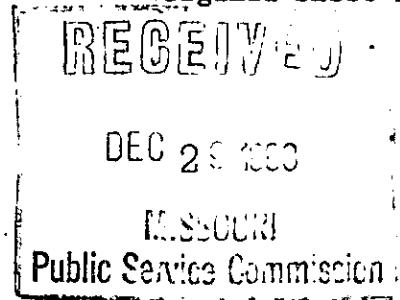
Issued: JUN 27 1986

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By R. D. BARRON, President-Missouri Division
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St. Louis, Missouri

No supplement to this tariff will be issued except for the purpose of canceling this tariff.

Access Services Tariff
Section 7
Original Sheet 2



ACCESS SERVICES

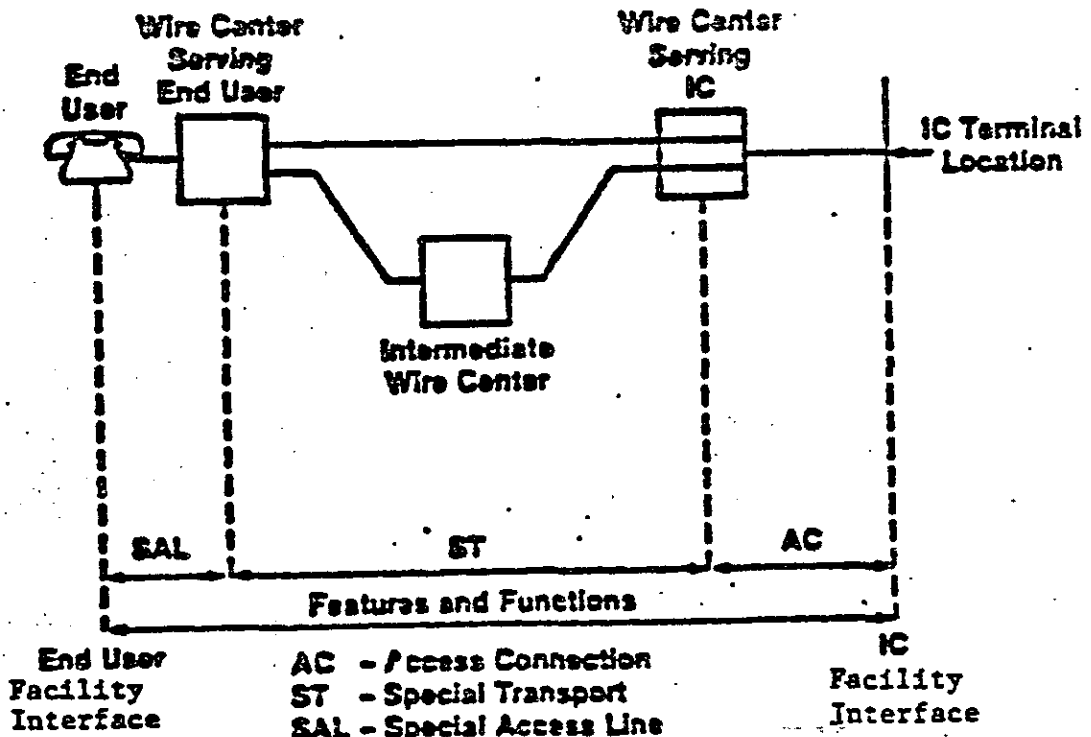
7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

7.1.1 Rate Categories-(Continued)

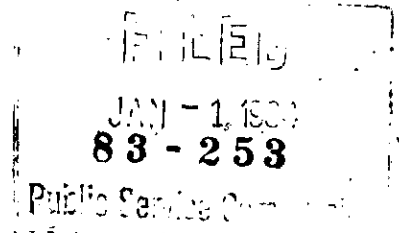
The following diagram depicts a generic view of the components of Special Access Service and the manner in which the components are combined to provide a complete Access Service.

SPECIAL ACCESS SERVICE



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OF MISSOURI



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By R. D. BARRON, Vice President-Missouri
Southwestern Bell Telephone Company
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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)

(RT)



(RT)

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By KAREN E. JENNINS, President-Missouri
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Access Services Tariff
Section 7
Original Sheet 2.01

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

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Public Service Commission

7.1.1 Channel Types-(Continued)

(AT)
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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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FEB 10 1997
BY Let R.S. # 2.01
Public Service Commission
MISSOURI

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APR 19 1993

APR 19 1993

Issued: FEB 09 1993

Effective: ~~MAR 11 1993~~ PUBLIC SERVICE COMAR.

By A. D. ROBERTSON, Assistant Vice President-External Affairs
Southwestern Bell Telephone Company
St. Louis, Missouri

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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.

(AT)

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

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Southwestern Bell Telephone Company
St. Louis, Missouri

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

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

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7.1 General-(Continued)

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7.1.1 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 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 Mbps Voice Grade channels.

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7.1.2 Rate Categories

APR 11 1993

BY 3rd R.S. # 3
Public Service Commission
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There are four basic rate categories which apply to Special Access Service:

- (CT) - Channel Terminations (described in Paragraph 7.1.2, A., following)
- (AT) - Channel Mileage (described in Paragraph 7.1.2, B., following)
- (FC) - 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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St. Louis, Missouri

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

(CP)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 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.

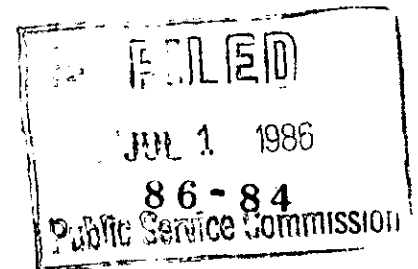
For example, a customer may order a 3.152 Mbps facility from a customer-designated premises to a Telephone Company Hub for multiplexing to two 1.544 Mbps channels. The 1.544 Mbps channels may be further multiplexed at the same or a different Hub to Voice Grade or Wideband Analog (i.e., Group level) channels or may be extended to other customer designated premises. Optional features may be added to either the 1.544 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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BY *[Signature]* P.S.# 3
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Access Services Tariff
Section 7
Original Sheet 3

ACCESS SERVICES

7. 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

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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JUL 1 1986

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By R. D. BARRON, Vice President-Missouri
Southwestern Bell Telephone Company
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Access Services Tariff
Section 7
5th Revised Sheet 4
Replacing 4th Revised Sheet 4

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.

(CT)

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 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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By M. H. SCHULTEIS, Executive Director-External Affairs
Southwestern Bell Telephone
St. Louis, Missouri

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

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 the time 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.

(AT)
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(AT)

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 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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Access Services Tariff
Section 7
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ACCESS SERVICES

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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. 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.

(FC)

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.

(AT)

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.

(AT)

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By R. D. BARRON, President-Missouri Division
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Replacing 1st Revised Sheet 4

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7. SPECIAL ACCESS SERVICE-(Continued)

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7.1 General-(Continued)

7.1.2 Rate Categories-(Continued)

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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. 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.

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.

(AT)
(AT)

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 Tariff
Section 7
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(CP)ACCESS SERVICES

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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. 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.

B. Channel Mileage

The Channel Mileage rate category provides for the transmission facilities between the serving wire centers associated with customer designated premises, between a serving wire center associated with customer designated premises and a Telephone Company Hub or between 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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By R. D. BARRON, President-Missouri Division
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Access Services Tariff
Section 7
Original Sheet 4

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ACCESS SERVICES

DEC 29 1983

MISSOURI
Public Service Commission

7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

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 Configurations

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

BY 12301507120
P.S.# 4
PUBLIC SERVICE COMMISSION
OF MISSOURI

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Southwestern Bell Telephone Company
St. Louis, Missouri

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Section 7
9th Revised Sheet 5
Replacing 8th Revised Sheet 5

ACCESS SERVICES

7. 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

- (RT) 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.
- (RT)
- (RT)

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

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

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

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7. SPECIAL ACCESS SERVICE--(Continued)

7.1 General--(Continued)

7.1.2 Rate Categories--(Continued)

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By **PHRS** MO. PUBLIC SERVICE COMM.
Public Service Commission
MISSOURI

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

(AT) A Hub is a Telephone Company designated serving wire center at which bridging, multiplexing, Network Reconfiguration Service or Transport 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, following, or to reterminate Network Reconfiguration Service or Transport 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 Reconfiguration Service and Transport Resource Management Service offerings (AT) allow the customer to reconfigure their Special Access Services. (CT)

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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SEP 26 1994

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By M. H. SCHULTEIS, Executive Director-External Affairs, Missouri Public Service Commission, Southwestern Bell Telephone St. Louis, Missouri

No supplement to this tariff will be issued except for the purpose of canceling this tariff.

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

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE--(Continued)

7.1 General--(Continued)

7.1.2 Rate Categories--(Continued)

(AT) D. Optional Features, BSEs and Functions

(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.

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

- Signaling Capability
- Hubbing Functions
- Conditioning
- Transfer Arrangements

(C) A Hub is a Telephone Company designated serving wire center at which bridging, multiplexing or 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 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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BY 8 R.S. #5
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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
6th Revised Sheet 5
Replacing 5th Revised Sheet 5

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE--(Continued)

7.1 General--(Continued)

7.1.2 Rate Categories--(Continued)

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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 serving wire center bridging, multiplexing or 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 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. 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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(AT)

(MT)

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

Public Service Commission

No supplement to this tariff will be issued except for the purpose of canceling this tariff.

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

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE--(Continued)

7.1 General--(Continued)

7.1.2 Rate Categories--(Continued)

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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SEP 30 1991

BY 6th R.S. #5

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(AT)
(C)
(AT)
(AT)
(AT)
(AT)

A Hub is a Telephone Company designating serving wire center at which bridging, multiplexing or 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 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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By R. D. BARRON, President--Missouri Division
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Access Services Tariff
Section 7
4th Revised Sheet 5
Replacing 3rd Revised Sheet 5

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE--(Continued)

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7.1 General--(Continued)

FEB 20 1990

7.1.2 Rate Categories--(Continued)

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(FC) D. Optional Features and Functions

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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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AUG 2 1991

BY 5th R.S. #5

A Hub is a Telephone Company designated serving wire center bridging or multiplexing functions are performed. The bridging functions 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.

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

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Effective: MAR 26 1990 FILED

By R. D. BARRON, President-Missouri Division
Southwestern Bell Telephone Company
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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
3rd Revised Sheet 5
Replacing 2nd Revised Sheet 5

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE--(Continued)

SEP 25 1989

7.1 General--(Continued)

7.1.2 Rate Categories--(Continued)

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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 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.

(RT)

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 Services 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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By R. D. BARRON, President-Missouri Division
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Access Services Tariff
Section 7
2nd Revised Sheet 5
Replacing 1st Revised Sheet 5

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

OCT 13 1987

7.1 General-(Continued)

MISSOURI

7.1.2 Rate Categories-(Continued)

Public Service Commissioner

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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By R. D. BARRON, President-Missouri Division
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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 Original Sheet 5~~
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JUN 27 1986
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Public Service Commission

(CP)ACCESS SERVICES

7. 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 Functions are set forth in Paragraph 7.2, following.

7.1.3 Service Configurations

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

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By R. D. BARRON, President-Missouri Division
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Access Services Tariff
Section 7

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Public Service Commission

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

7.1.4 Service Configurations-(Continued)

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 service type) is available. These serving wire centers are referred to as Hubs.

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JUL 1 1986
BY J.R.S.#5
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By R. D. BARRON, Vice President-Missouri
Southwestern Bell Telephone Company
St. Louis, Missouri

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

ACCESS SERVICES

7. 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

(RT)

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

No supplement to this tariff will be issued except for the purpose of canceling this tariff.

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

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ACCESS SERVICES

AUG 26 1994

7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

MO. PUBLIC SERVICE COMM.

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 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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By *ah RSK*
Public Service Commission
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By M. H. SCHULTEIS, Executive Director-External Affairs
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Access Services Tariff
Section 7
7th Revised Sheet 6
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ACCESS SERVICES

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Public Service Commission

7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

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)

(AT)

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. D. BARRON, President-Missouri Division
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Access Services Tariff
Section 7
6th Revised Sheet 6
Replacing 5th Revised Sheet 6

ACCESS SERVICES

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Public Service Commission

7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

(MT) 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.

(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 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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By R. D. BARRON, President-Missouri Division
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St. Louis, Missouri

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Access Services Tariff
Section 7
5th Revised Sheet 6
Replacing 4th Revised Sheet 6

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

7.1.3 Service Configurations-(Continued)

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 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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Southwestern Bell Telephone Company
St. Louis, Missouri

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Public Service Commission

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Access Services Tariff
Section 7
4th Revised Sheet 6
Replacing 3rd Revised Sheet 6

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

7.1.3 Service Configurations-(Continued)

(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 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. D. BARRON, President-Missouri Division
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St. Louis, Missouri

MAR 26 1990
Public Service Commission

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

ACCESS SERVICES

7. 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)

(FC) In addition, a Special Access Surcharge as set forth in Paragraph 7.3.2,
 (FC) and a Message Station Equipment Recovery Charge as set forth in
 (FC) 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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MAR 26 1990
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Public Service Commission
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By R. D. BARRON, President-Missouri Division
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St. Louis, Missouri

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Access Services Tariff
Section 7
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Replacing 1st Revised Sheet 6



(CP)ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

7.1.3 Service Configurations-(Continued)

A. Two-Point Service-(Continued)

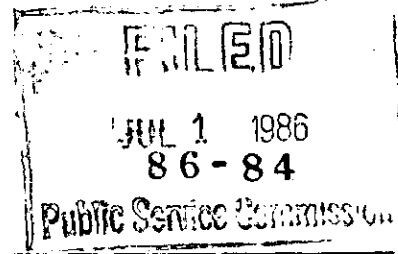
Applicable rate elements are:

- 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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BY 328 R.S.#6
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By R. D. BARRON, President-Missouri Division
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St. Louis, Missouri

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ACCESS SERVICES

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MISSOURI
Public Service Commission

7. 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.
 - a. 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.)
 - 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 monthly rate 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 Subcharge (per End User's premises)
 - g. Features and functions
 - VG performance
 - Conditioning

(CT)

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JUL 1 1985
BY 2nd R.S.#6
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By R. D. BARRON, President-Missouri Division
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Access Services Tariff
Section 7
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ACCESS SERVICES

7. 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.

- a. 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.)
- 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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JAN - 1 1984
83 - 253
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By R. D. BARRON, Vice President-Missouri
Southwestern Bell Telephone Company
St. Louis, Missouri

No Supplement to this tariff will be issued except for the purpose of canceling this tariff.

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

ACCESS SERVICES

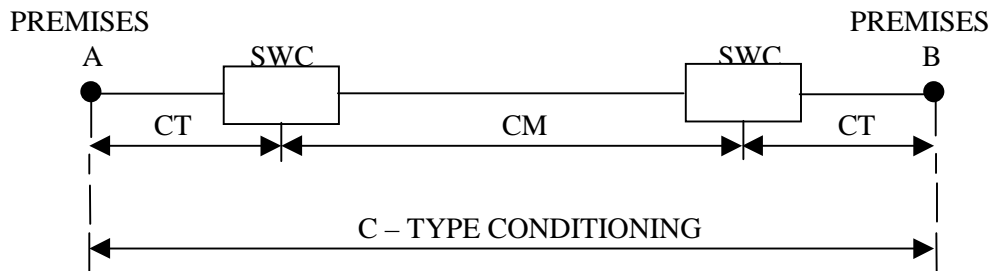
7. SPECIAL ACCESS SERVICE-(Continued)

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)

Issued: June 27, 1986

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By A. D. ROBERTSON, Assistant Vice President-External Affairs
Southwestern Bell Telephone Company
St. Louis, Missouri

No supplement to this tariff will be issued except for the purpose of canceling this tariff.

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

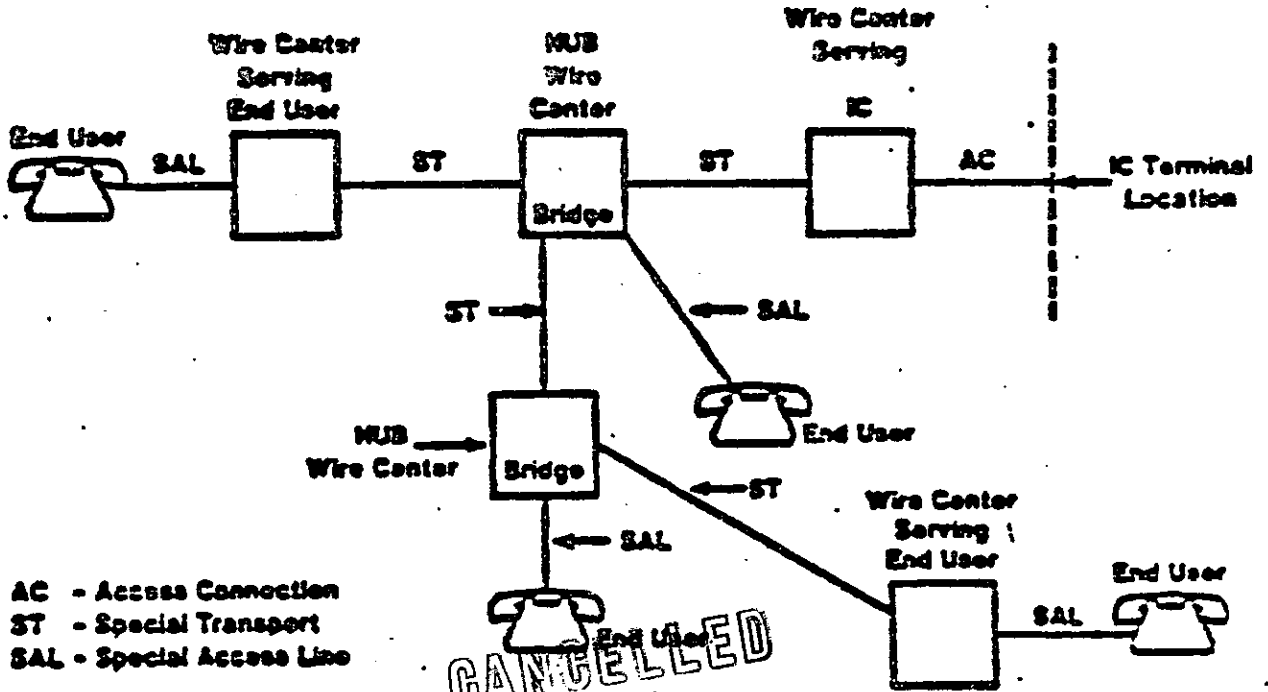
7.1 General-(Continued)

7.1.4 Service Configurations-(Continued)

B. Multipoint Service-(Continued)

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MULTIPOINT SERVICE CONFIGURATION



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As each additional leg is added to an existing multipoint service, additional Special Transport, an End User's facility 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.

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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.

(C) When ordering, the customer will select the designated bridging Hub(s) 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
- (AT) - 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.

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Southwestern Bell Telephone Company
St. Louis, Missouri

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Access Services Tariff
Section 7
7th Revised Sheet 8
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ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

AUG 9 1991

7.1 General-(Continued)

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7.1.3 Service Configurations-(Continued)

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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.

(AT) 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.

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Public Service Commission
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Issued: **AUG 09 1991**

Effective: ~~SEP 09 1991~~ **SEP 30 1991**

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Southwestern Bell Telephone Company
St. Louis, Missouri

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Access Services Tariff
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7. 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

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 Association, Inc. Tariff filed with the F.C.C.

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BY J.R.S.

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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)

MISSOURI

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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Effective: MAR 26 1990

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

MAR 26 1990

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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)

SEP 25 1989

7.1.3 Service Configurations-(Continued)

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B. Multipoint Service

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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)

(FC) 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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MAR 26 1990

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

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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 8
Replacing 3rd 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.

(CT)
|
(CT)

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)

(CT)

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.

OCT 1 1989
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Public Service Commission

Issued: AUG 15 1988

Effective: SEP 14 1988

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SEP 14 1988

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

Public Service Commission

No Supplement to this tariff will be issued except for the purpose of canceling this tariff.

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

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE--(Continued)

MAY 2 1988

7.1 General--(Continued)

7.1.3 Service Configurations--(Continued)

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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.

(CT)

When ordering, the customer will specify the desired bridging Hub(s) selected from the appropriate Exchange Carrier Association Tariff filed with the P.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
- 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 7.4.4, following, may be applicable.

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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

No supplement to this tariff will be issued except for the purpose of canceling this tariff.

Access Services Tariff
Section 7
~~2nd Revised Sheet 8~~
Replacing ~~1st Revised Sheet 8~~

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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

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 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
- 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

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JUN 27 1986

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JUL 1 1986

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 8
Replacing Original Sheet 8

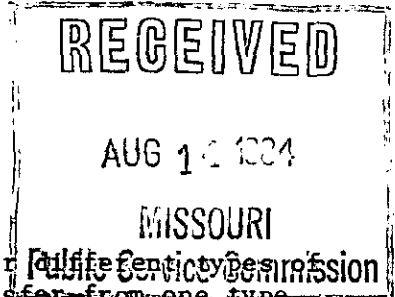
ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

7.1.5 Alternate Use

Alternate Use occurs when an IC uses a service for transmission at different times. The IC may transfer 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).

(RT)

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.

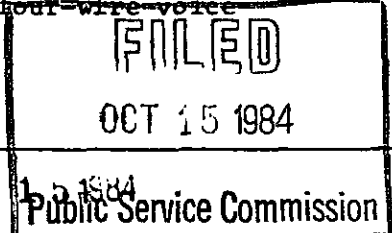
7.1.8 Acceptance Testing

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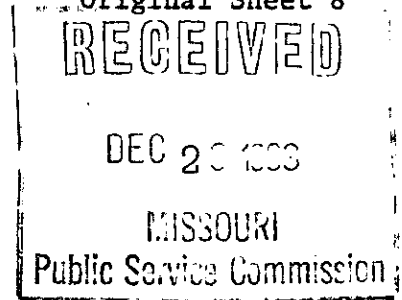
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By R. D. BARRON, President-Missouri Division
Southwestern Bell Telephone Company
St. Louis, Missouri

No supplement to this tariff will be issued except for the purpose of canceling this tariff.

ACCESS SERVICES



7. 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, rates and charges for Special Facilities Routing (i.e., Avoidance, Diversity and Cable-Only) are as set forth in Section 11, following.

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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 (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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Access Services Tariff
Section 7
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Replacing 1st Revised Sheet 9

ACCESS SERVICES

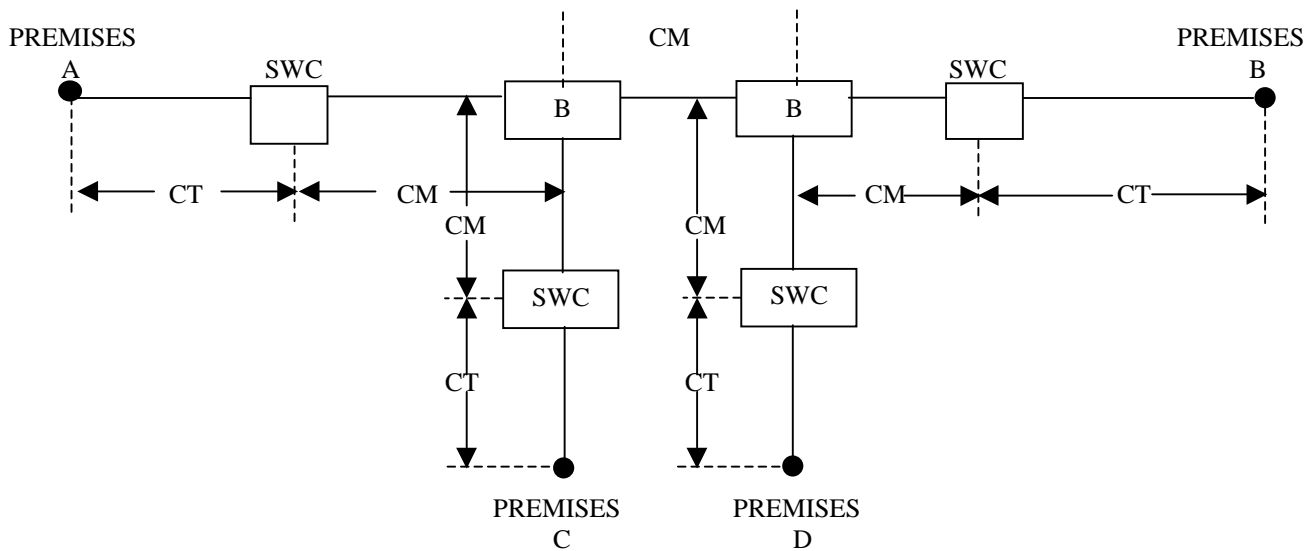
7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

7.1.3 Service Configurations-(Continued)

B. Multipoint Service-(Continued)

(CT) Example: Voice Grade multipoint service connecting four customer 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)

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By A. D. ROBERTSON, Assistant Vice President-External Affairs
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St. Louis, Missouri

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Section 7
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(CP)ACCESS SERVICES

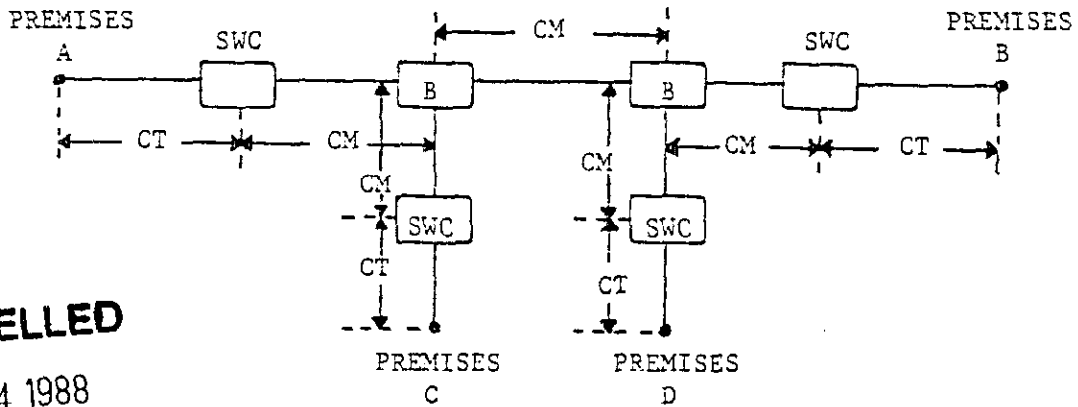
7. SPECIAL ACCESS SERVICE-(Continued)

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.



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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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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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Original Sheet 9

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7. 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 intra-state use, the IC is responsible for providing reports as set forth in Section 2, Paragraph 2.3.15, preceding. Charges will be apportioned in accordance with these reports.

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BY 1st R.S. 9
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By R. D. BARRON, Vice President-Missouri
Southwestern Bell Telephone Company
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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

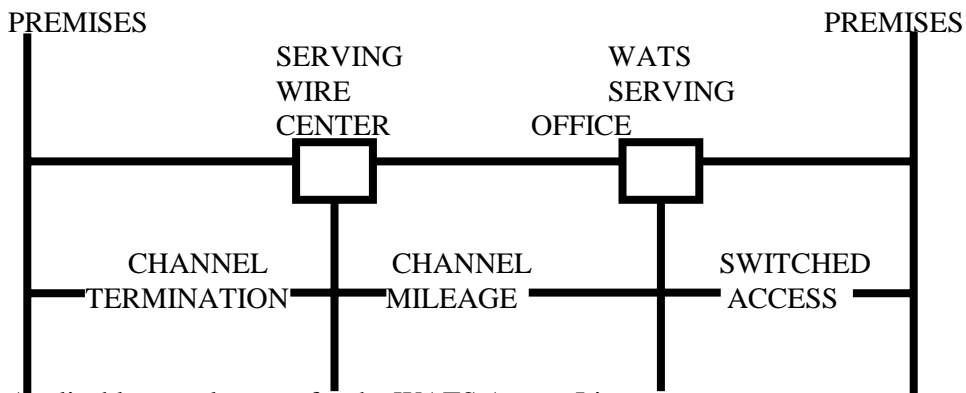
7.1 General-(Continued)

7.1.3 Service Configurations-(Continued)

C. WATS Access Line Service

(AT) 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.



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.

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By A. D. ROBERTSON, Assistant Vice President-External Affairs
Southwestern Bell Telephone Company
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Section 7
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7. SPECIAL ACCESS SERVICE--(Continued)

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7.1 General--(Continued)

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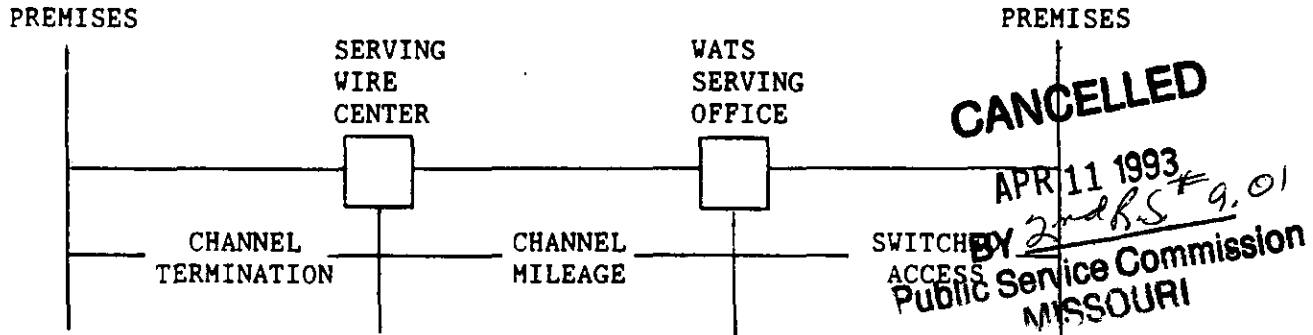
7.1.3 Service Configurations--(Continued)

Public Service Commission

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)

(FC)
|
(FC)

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.

FILED

OCT 1 1989
89 - 14

Public Service Commission

Issued: SEP 25 1989

Effective: OCT 1 1989

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

No supplement to this tariff will be issued except for the purpose of canceling this tariff.

Access Services Tariff
Section 7
Original Sheet 9.01

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

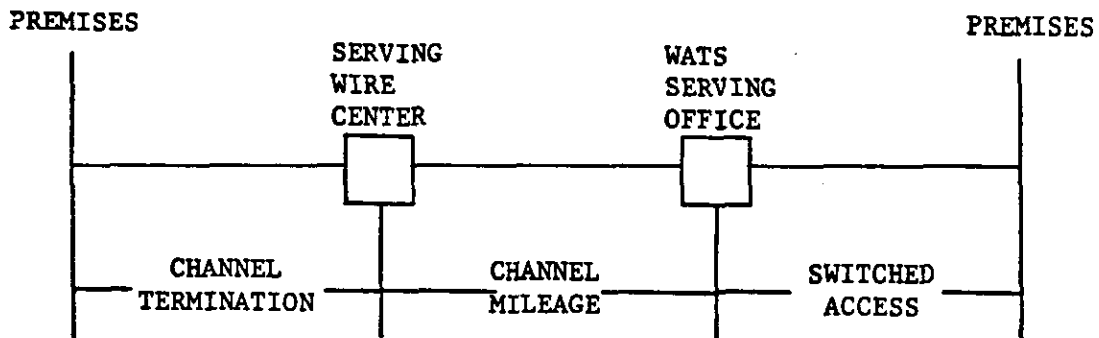
7.1.3 Service Configurations-(Continued)

OCT 1 1989
BY AKRS #9.01
Public Service Commission
MISSOURI
Public Service Commissioner

(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.

(AT)

FILED

OCT 16 1987
To-87-42
Public Service Commissioner

Issued: OCT 14 1987

Effective: OCT 16 1987

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

No Supplement to this tariff will be issued except for the purpose of canceling this tariff.

ACCESS SERVICES

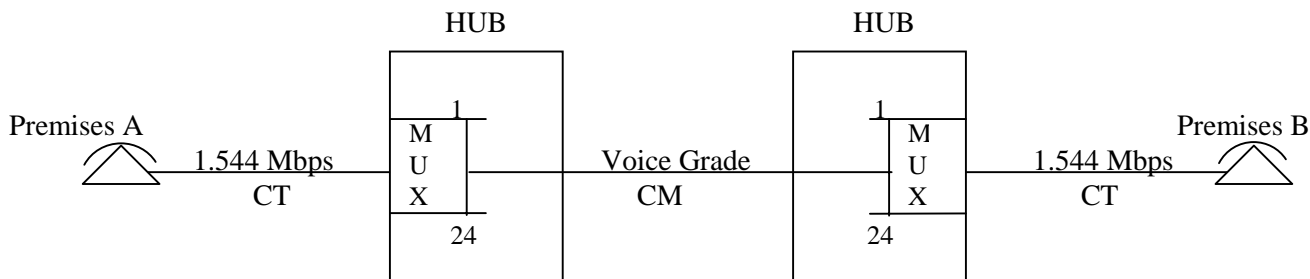
7. SPECIAL ACCESS SERVICE-(Continued)

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

By A. D. ROBERTSON, Assistant Vice President-External Affairs
Southwestern Bell Telephone Company
St. Louis, Missouri

No Supplement to this tariff will be issued except for the purpose of canceling this tariff.

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]).

(AT)

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:

Issued: March 26, 1993

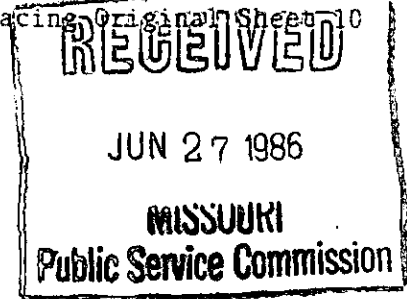
Effective: April 11, 1993

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

No supplement to this tariff will be issued except for the purpose of canceling this tariff.

Access Services Tariff
Section 7
1st Revised Sheet 10

Replacing Original Sheet 10



(CP)ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

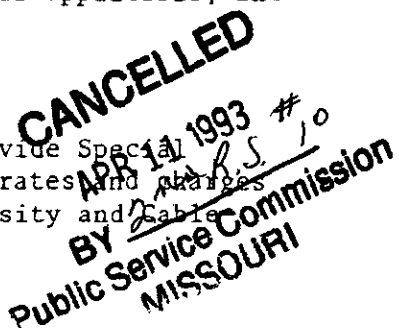
7.1.4 Alternate Use

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 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.

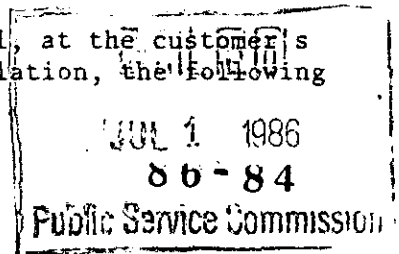


7.1.6 Design Layout Report

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:



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Effective: JUL 1 1986

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

No supplement to this tariff will be issued except for the purpose of canceling this tariff.

Access Services Tariff
Section (7) (D)
Original Sheet 10

DEC 29 1983

MISSOURI
Public Service Commission

ACCESS SERVICES

7. 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 supported will be uniformly applied to all.

CANCELLED

JUL 1 1986
BY 12th R.S.#10
PUBLIC SERVICE COMMISSION
OF MISSOURI

FILED
JAN - 1 1984
83 - 258
Public Service Commission

Issued: DEC 29 1983

Effective: JAN 0 1 1984

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

No Supplement to this tariff will be issued except for the purpose of canceling this tariff.

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.

(RT)
|
(RT)

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.).

Issued: January 10, 1997

February 10, 1997

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

No supplement to this tariff will be issued except for the purpose of canceling this tariff.

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

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FEB 9 1993

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

MISSOURI
Public Service Commission

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 Change Charges, Cancellation Charges, etc.).

UNCANCELLED
FEB 10 1993
BY 6TH R.S. #11
Public Service Commission
MISSOURI

FILED

APR 19 1993

MO. PUBLIC SERVICE COMM.

APR 19 1993

Issued: FEB 09 1993

Effective: ~~MAR 11 1993~~

By A. D. ROBERTSON, Assistant Vice President-External Affairs
Southwestern Bell Telephone Company
St. Louis, Missouri

No supplement to this tariff will be issued except for the purpose of canceling this tariff.

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

ACCESS SERVICES

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AUG 9 1991

MISSOURI

Public Service Commission

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.

(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, following.
(AT)

(AT) 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)

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.).

CANCELLED

APR 19 1993

BY S. W. R.S. # 11

Public Service Commission
MISSOURI

FILED

Issued: AUG 09 1991

Effective: ~~SEP 09 1991~~
SEP 30 1991 ~~SEP 30 1991~~

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

No supplement to this tariff will be issued except for the purpose of canceling this tariff.

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

FEB 20 1990

7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

**MISSOURI
Public Service Commission**

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.

(AT)

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.).

CANCELLED

SEP 30 1991

BY 4th B.S.#11

**Public Service Commission
MISSOURI**

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Issued: **FEB 22 1990**

Effective: **MAR 26 1990**

MAR 26 1990

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

Public Service Commission

No supplement to this tariff will be issued except for the purpose of canceling this tariff.

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

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

OCT 13 1987

7.1 General-(Continued)

MISSOURI

7.1.7 Accepting Testing-(Continued)

Public Service Commission

- (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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MAR 26 1990

BY 308 R.S. #11
Public Service Commission
MISSOURI

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OCT 16 1987

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

No supplement to this tariff will be issued except for the purpose of canceling this tariff.

Access Services Tariff
Section 7
1st Revised Sheet 11
Replacing Original Sheet 11

(CP)ACCESS SERVICES



7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

7.1.7 Accepting Testing-(Continued)

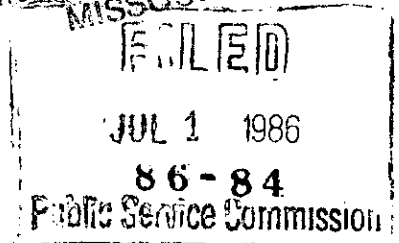
- A. For Voice Grade analog services, acceptance tests will include tests for loss, three-tone slope, DC continuity, operational signaling, C-notched noise and C-message noise when these parameters are applicable and specified in the order for service. Additionally, for Voice Grade Services, a balance (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 Change Charges, Cancellation Charges, etc.).

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BY *211 R.S.H.*
Public Service Commission
MISSOURI



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Effective: JUL 1 1986

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

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Access Services Tariff
Section 7
Original Sheet 11

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DEC 27 1983

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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

7.2.1 Analog Services

A. Narrowband Services

1. 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 to a second End User's location.
- Customers requiring a four-wire metallic facility must buy two NB1 services.

d. Transmission Performance

- Leakage

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 observed to be less than 30,000 ohms.

CANCELLED
JUL 1 1986
BY R. S. #11
PUBLIC SERVICE COMMISSION
OF MISSOURI

JAN - 1 1984
83 - 253

Public Service Commission

Issued: DEC 29 1983

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

No Supplement to this tariff will be issued except for the purpose of canceling this tariff.

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

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

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 4th Revised Sheet 12

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FEB 9 1993

ACCESS SERVICES

MISSOURI
Public Service Commission

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions

(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)

(AT)

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.

CANCELLED

FEB 10 1993
BY *6 R.S. #*
Public Service Commission
MISSOURI

FILED

APR 19 1993

Issued: FEB 09 1993

Effective: ~~MAR 11 1993~~

APR 19 1993 MO. PUBLIC SERVICE COM. A.

By A. D. ROBERTSON, Assistant Vice President-External Affairs
Southwestern Bell Telephone Company
St. Louis, Missouri

No supplement to this tariff will be issued except for the purpose of canceling this tariff.

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

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MAR 29 1993

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

MISSOURI
Public Service Commission

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)
- DovLink (DOV)

CANCELLED

APR 19 1993
BY 5th R.S. #12
Public Service Commission
MISSOURI

(AT)

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.

FILED

APR 11 1993
92 - 304
MO. PUBLIC SERVICE COMM.

Issued: MAR 26 1993

Effective:

APR 11 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 12
Replacing 2nd 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)

(AT)

CANCELLED
APR 11 1993
BY 4th R.S. #12
Public Service Commission
MISSOURI

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.

DEC 4 1992

MO. PUBLIC SERVICE COMMISSION

DEC - 4 1992

Issued: **OCT - 5 1992**

Effective: ~~NOV - 5 1992~~

By A. D. ROBERTSON, Assistant Vice President-External Affairs
Southwestern Bell Telephone Company
St. Louis, Missouri

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Access Services Tariff
Section 7
2nd Revised Sheet 12
Replacing 1st Revised Sheet 12

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

SEP 25 1989

7.2 Service Descriptions

MISSOURI

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

Public Service Commission

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

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(RT)

- Wideband Analog (WA)
- Wideband Data (WD)
- MegaLink Data (DA)
- High Capacity (HC)

DEC 4 1992

BY 3rd R.S. #12

(CT)

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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Public Service Commission

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 12
Replacing Original Sheet 12

(CP)ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions

For the purposes of ordering, there are nine categories of Special 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 Tariff

Section 7
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L.S. BARRON

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)

A. Narrowband Services-(Continued)

1. Narrowband 1 (NB1) Special Access Service-(Continued)

e. Available Facility Interface Combinations

<u>IC</u>	<u>End User</u>
2DC8-3	2DC8-3

2. Narrowband 2 (NB2) Special Access Service

a. Description

Special Access Service NB2 provides a channel for simplex low-frequency, 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 McCulloch 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 NB2 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as:

- Protective Alarm (McCulloch)

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PUBLIC SERVICE COMMISSION
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Access Services Tariff
Section 7
4th Revised Sheet 13
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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 alpha-numeric or alpha –numeric designation following the two letter code indicates the specific pre-defined 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 symmetrical or asymmetrical . 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.

- (AT) 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.

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Access Services Tariff
Section 7
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Replacing 2nd Revised Sheet 13

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ACCESS SERVICES

SEP 25 1989

7. SPECIAL ACCESS SERVICE--(Continued)

7.2 Service Descriptions--(Continued)

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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 symmetrical or asymmetrical. On a multipoint service they may also be symmetrical or asymmetrical. However, communications can only be provided between points of termination with compatible channel interfaces. Only certain channel interfaces are compatible.

(RT)
(RT)

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.

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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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(AT)

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 symmetrical or asymmetrical. On a multipoint service they may also be symmetrical or asymmetrical. 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.

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Public Service Commission

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Access Services Tariff
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7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

MISSOURI

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Information pertaining to the technical specifications packages indicate 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. 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 symmetrical or asymmetrical. On a multipoint service they may also be symmetrical or asymmetrical. 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.

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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.

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Public Service Commission

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

7. 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

<u>IC</u>	<u>End User</u>	<u>IC</u>	<u>End User</u>
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 (NB3) Special Access Service

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PUBLIC SERVICE COMMISSION
OF MISSOURI

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JAN - 1 1984
83 - 253
Public Service Commission

- (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.

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Effective: JAN 0 1 1984

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

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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-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

(RT)

Issued: January 10, 1997

February 10, 1997

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

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Section 7
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Replacing 6th Revised Sheet 14

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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:

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

(AT)

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By A. D. ROBERTSON, Assistant Vice President-External Affairs
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St. Louis, Missouri

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

ACCESS SERVICES

OCT 1992

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
	TP-76620

(AT)

DovLink

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MO. PUBLIC SERVICE COMMISSION

~~DEC - 4 1992~~

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OCT - 5 1992

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~~NOV - 5 1992~~

By A. D. ROBERTSON, Assistant Vice President-External Affairs
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Access Services Tariff
Section 7
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Replacing 4th Revised Sheet 14

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

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-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

(CT)

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St. Louis, Missouri

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Access Services Tariff
Section 7
4th Revised Sheet 14
Replacing 3rd Revised Sheet 14

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

FEB 20 1990

7.2 Service Descriptions-(Continued)

MISSOURI

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)
(CT)

Metallic	PUB	62502
Telegraph Grade	PUB	62502
Voice Grade	NPL	000334 (WALs)
	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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St. Louis, Missouri

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Public Service Commission

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Access Services Tariff
Section 7
3rd Revised Sheet 14
Replacing 2nd Revised Sheet 14

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE--(Continued)

SEP 25 1989

7.2 Service Descriptions--(Continued)

MISSOURI

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 (VALs)
	PUB	62501 and associated Addendum
	PUB	41004, Table 4
(RT) Wideband Analog	PUB	62505 and associated Addendum
Wideband Data	PUB	62506
(CT) MegaLink Data	PUB	62507 and associated Addendum
	PUB	62310
High Capacity	PUB	62508
	PUB	62411

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Access Services Tariff
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ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

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:

(AT)

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
	PUB 62411

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Access Services Tariff
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(CP)ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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:

Metallic	PUB 62502
Telegraph Grade	PUB 62502
Voice Grade	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
	PUB 62411

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Access Services Tariff
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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)

A. Narrowband Services-(Continued)

4. 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.

b. 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 capability.

d. Transmission Performance JUL 1 1986

- Telegraph Distortion BY R.S. 14

Remedial action will be initiated whenever the telegraph distortion is observed to exceed 9 percent.

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St. Louis, Missouri

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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 where bridging functions are performed. Interoffice metallic facilities will be limited in length to a total of five miles per channel.

B. Technical Specifications Packages

<u>Parameter</u>	<u>Package MT-</u>			
	<u>C</u>	<u>1</u>	<u>2</u>	<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

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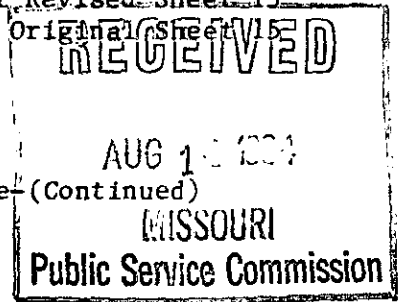
By A. D. ROBERTSON, Assistant Vice President-External Affairs
Southwestern Bell Telephone Company
St. Louis, Missouri

No supplement to this tariff will be issued except for the purpose of canceling this tariff.

Access Services Tariff
Section 7
1st Revised Sheet 15

Replacing Original Sheet 15

ACCESS SERVICES



7. SPECIAL ACCESS SERVICE-(Continued)

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

7.2.1 Analog Services-(Continued)

A. Narrowband Services-(Continued)

4. Narrowband 4 (NB4) Special Access Service-(Continued)

e. Available Facility Interface Combinations

IC	End User	IC	End User
2TT2-2	2TT2-2	4DS9-(2)	2TT2-2
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)	2TT2-2
4DB2-43(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
		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		
4DB2-43(1)	2TT2-6		
2TT2-6	2TT2-6		
2DB2-10	2TT2-6		
4DB2-10	2TT2-6		

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JUL 1 1986

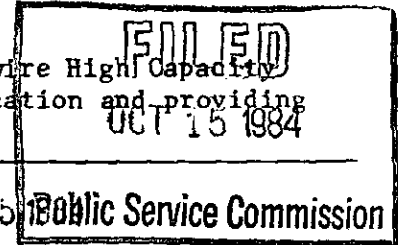
BY *gms* R.S.15
PUBLIC SERVICE COMMISSION
OF MISSOURI

5. Narrowband 5 (NB5) Special Access Service

a. Description

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 Capacity analog facility interface option of the IC terminal location and providing subsequent system and channel assignment data.



Issued: AUG 1 1984

Effective: OCT 1 1984 Public Service Commission

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

No supplement to this tariff will be issued except for the purpose of canceling this tariff.

Access Services Tariff
Section 7
Original Sheet 15

ACCESS SERVICES

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DEC 29 1983

MISSOURI
Public Service Commission

7. SPECIAL ACCESS SERVICE-(Continued)

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

7.2.1 Analog Services-(Continued)

A. Narrowband Services-(Continued)

4. Narrowband 4 (NB4) Special Access Service-(Continued)

e. Available Facility Interface Combinations

<u>IC</u>	<u>End User</u>	<u>IC</u>	<u>End User</u>
2TT2-2	2TT2-2	4DS9-(2)	2TT2-2
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)	2TT2-2
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)	2TT2-2
2DB2-43(1)	4TT2-2	4AH6-D(3)	4TT2-2
2DB2-10	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		
4DB2-43(1)	2TT2-6		

CANCELLED

OCT 15 1984

1st RS 15

BY PUBLIC SERVICE COMMISSION

5. Narrowband 5 (NB5) Special Access Service

a. Description

Special Access Service NB5 provides a change of 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

JAN - 1 1984

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- (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 Capacity analog facility interface option of the IC terminal location and providing subsequent system and channel assignment data.

Issued: DEC 29 1983

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