# ACCESS SERVICES

	Issued:	August 27, 1993Effective:September 27, 1993
		Clear Channel Capability is an optional feature that provides the customer with an increase in useable bandwidth from 1.344 Mbps to 1.536 Mbps of an unconstrained data stream across the network. Clear Channel Capability is provided only on 1.544 Mbps High Capacity service and requires the customer signal at the channel interface to conform to Bipolar with Eight Zero Substitution (B8ZS) line code format as set forth in the technical reference for high capacity at the end of Paragraph 7.2. Customer equipment must be compatible with this method of providing the unconstrained signal.
	4.	Clear Channel Capability BSE
		An arrangement that converts a 64.0 kbps channel to subspeeds of up to twenty 2.4 kbps, ten 4.8 kbps or 9.6 kbps channels using digital time division multiplexing.
(FC)		d. DSO to Subrate
		An arrangement that converts a 1.544 Mbps channel to 23 64.0 kbps channels utilizing digital time division multiplexing.
(FC)		c. DSI to DSO
		An arrangement that converts a 1.544 Mbps channel to 24 channels for use with Voice Grade Services. A channel of this DSI to the Hub can also be used for a MegaLink Data, Metallic Service, DovLink or WATS Access Lines.
(FC)		b. DSI to Voice
(RT)     (RT)		
	3.	Central Office Multiplexing BSE-(Continued)
	E. C	ptional Features, BSEs and Functions-(Continued)
	7.2.8	High Capacity Service-(Continued)
	7.2 Ser	vice Descriptions-(Continued)
	7. SPEC	IAL ACCESS SERVICE-(Continued)

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 40 Replacing 3rd Revised Sheet 40

#### ACCESS SERVICES

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

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MAR 29 1993

(AT) E. Optional Features, BSEs and Functions-(Continued)

MISSOURI Public Service Commission

- 3. Central Office Multiplexing BSE-(Continued) (AT)
  - d. DS1C to DS1

An arrangement that converts a 3.152 Mbps channel to two DS1 channels using digital time division multiplexing.

e. DSl to Voice

An arrangement that converts a 1.544 Mbps channel to 24 channels for use with Voice Grade Services. A channel of this DS1 to the Hub can also be used for a MegaLink Data, Metallic Service, DovLink or WATS Access Lines.

f. DSl to DSO

An arrangement that converts a 1.544 Mbps channel to 23 64.0 kbps channels utilizing digital time division multiplexing.

g. DSO to Subrate

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An arrangement that converts a 64.0 kbps channel to SEP 25 1993 subspeeds of up to twenty 2.4 kbps, ten 4.8 kbps or five 9.6 kbps channels using digital time division Public Service Commission multiplexing.

4. Clear Channel Capability BSE

Clear Channel Capability is an optional feature that provides the customer with an increase in useable bandwidth from 1.344 Mbps to 1.536 Mbps of an unconstrained data stream across the network. Clear Channel Capability is provided only on 1.544 Mbps High Capacity service and requires the customer signal at the channel interface to conform to Bipolar with Eight Zero Substitution (B8ZS) line code format as set forth in the technical reference for high capacity at the end of Paragraph 7.2. Customer equipment must be compatible with this method of providing the unconstrained signal.

Issued: MAR 2 6 1993

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Effective:
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92-304

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

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	3rd	Revised	SI	heet	40
Replacing	2nd	Revised	SI	heet	40

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#### ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.8 High Capacity Service-(Continued)
  - E. Optional Features and Functions-(Continued)
    - 3. Central Office Multiplexing-(Continued)
      - d. DS1C to DS1

An arrangement that converts a 3.152 Mbps channel to two DS1 channels using digital time division multiplexing.

e. DSl to Voice

An arrangement that converts a 1.544 Mbps channel to 24 channels for use with Voice Grade Services. A channel of this DS1 to the Hub can also be used for a MegaLink Data, Metallic Service, DovLink or WATS Access Lines.

f. DSl to DSO

An arrangement that converts a 1.544 Mbps channel to 23 64.0 kbps channels utilizing digital time division multiplexing.

g. DSO to Subrate

An arrangement that converts a 64.0 kbps channel to CANCELLED subspeeds of up to twenty 2.4 kbps, ten 4.8 kbps or APR 11 1993 BY 4 th R.S. 40 Public Service Commission five 9.6 kbps channels using digital time division multiplexing.

4. Clear Channel Capability

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Clear Channel Capability is an optional feature that provides the customer with an increase in useable bandwidth from 1.344 Mbps to 1.536 Mbps of an unconstrained data stream across the network. Clear Channel Capability is provided only on 1.544 Mbps High Capacity service and requires the customer signal at the channel interface to conform to Bipolar with Eight Zero Substitution (B8ZS) line code format as set forth in the technical reference for high capacity at the end of Paragraph 7.2. Customer equipment must be compatible with this method of providing the unconstrained signal.

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DEC - 4 1992 Effective: 1992

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



(AT)

Issued:

Access Services Tariff Section 7 2nd Revised Sheet 40 Replacing 1st Revised Sheet 40

#### ACCESS SERVICES

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

(FC) E. Optional Features and Functions-(Continued)

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MISSOURI Public Service Commission

- 3. Central Office Multiplexing-(Continued)
  - d. DS1C to DS1

An arrangement that converts a 3.152 Hbps channel to two DSL channels using digital time division multiplexing.

e. DSl to Voice

An arrangement that converts a 1.544 Mbps channel to 24 channels for use with Voice Grade Services. A channel of this DS1 to the Hub can also be used for a MegaLink Data, Metallic Service or WATS Access Lines.

f. DS1 to DS0

An arrangement that converts a 1.544 Mbps channel to 23 64.0 kbps channels utilizing digital time division multiplexing.

g. DSO to Subrate

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An arrangement that converts a 64.0 kbps channel to subspeeds of up to twenty 2.4 kbps, ten 4.8 kbps or five 9.6 kbps channels using digital time division B' multiplexing. Public S

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Public Service Commission MISSOURI

4. Clear Channel Capability

Clear Channel Capability is an optional feature that provides the customer with an increase in useable bandwidth from 1.344 Mbps to 1.536 Mbps of an unconstrained data stream across the network. Clear Channel Capability is provided only on 1.544 Mbps High Capacity service and requires the customer signal at the channel interface to conform to Bipolar with Eight Zero Substitution (B8ZS) line code format as set forth in the technical reference for high capacity at the end of Paragraph 7.2. Customer equipment must be compatible with this method of providing the unconstrained signal.

Issued: FEB 2 2 1990

Bffective: MAR 2 & 1990

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By R. D. BARRON, President-Missouri Division MAR 26 1990 Southwestern Bell Telephone Company St. Louis, Missouri Public Service Commissio.

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

(CP)ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
- 7.2.8 High Capacity Service-(Continued)
- D. Optional Features and Functions-(Continued)
  - 3. Central Office Multiplexing-(Continued)
    - g. DSO to Subrate

An arrangement that converts a 64.0 kbps channel to subspeeds of up to twenty 2.4 kbps, ten 4.8 kbps or five 9.6 kbps channels using digital time division multiplexing.

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



 Available only on a channel of a 1.544 Mbps facility to a Telephone Company Hub.

Issued: JUN 27 1986

Effective: JUL 7 1986

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



Access Services Tariff

#### Access Services Tariff Section 7 Original Sheet 40

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#### ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

DEC 2.5 (000 7.2 Technical Service Descriptions for Special Access Service-(Continued)

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- 7.2.1 Analog Services-(Continued)
- B. Voice Grade Services-(Continued)
  - 7. Voice Grade 7 (VG7) Special Access Service-(Continued)
    - d. Transmission Performance-(Continued)
      - Echo Control-(Continued)

Effective Two-Wire Transmission

(Four-wire interface at the IC terminal location and two-wire interface at the End User's premises.)

	Echo Return Loss	Singing Return Loss
Standard Return Loss		
(at Two-Wire Interface)	5 dB	2.5 dB
Improved Return Loss		
(at Two-Wire Interface)	13 dB	8 dB
Four-Wire Interface	16 dB	11 dB
(Equal Level Echo		
Path Loss)		

(For Centrex application, 2 dB pad is "in")

		GANGELLED JUL 1 1986 BY $\frac{24}{R.S.40}$ PUBLIC SERVICE COMMISSION
Issued:	DEC 2 9 1983	Effective: JAN 0 1 1984

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

Access Services Tariff Section 7 3rd Revised Sheet 40.01 Replacing 2nd Revised Sheet 40.01

# ACCESS SERVICES

# 7. SPECIAL ACCESS SERVICE-(Continued)

- 7.2 Service Descriptions-(Continued)
- 7.2.8 High Capacity Service-(Continued)
  - E. Optional Features, BSEs and Functions-(Continued)
    - 5. Extended Superframe Format BSE

Extended Superframe Format is an optional feature that passes a customer provided framing format for 1.544 Mbps High Capacity service. Extended Superframe Format extends the customer's 1.544 Mbps framing structure from 12 to 24 frames and divides the 8 kbps 193rd bit position pattern into three distinct functionalities: 2 kbps for frame synchronization, 2 kbps for cyclic redundancy checking, and 4 kbps used primarily to send performance monitoring information over the Facilities Data Link.

6. Power Over The Interface(1)

Power Over the Interface is an optional feature available with the installation of 1.544 Mbps High Capacity service. This option provides line power to the Customer's Premises Equipment, enabling the customer to benefit from uninterrupted service if a commercial power failure occurs.

(AT) (1) Obsolete, and limited to existing installations at existing locations, for

(AT) existing customers.

Issued: August 26, 1994

Effective: September 26, 1994

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



(CP)

Access Services Tariff Section 7 2nd Revised Sheet 40.01 Replacing 1st Revised Sheet 40.01

#### ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

7.2.8 High Capacity Service-(Continued)

MISSOURI Public Servico Commission

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(AT) E. Optional Features, BSEs and Functions-(Continued)

(AT) 5. Extended Superframe Format BSE

Extended Superframe Format is an optional feature that passes a customer provided framing format for 1.544 Mbps High Capacity service. Extended Superframe Format extends the customer's 1.544 Mbps framing structure from 12 to 24 frames and divides the 8 kbps 193rd bit position pattern into three distinct functionalities: 2 kbps for frame synchronization, 2 kbps for cyclic redundancy checking, and 4 kbps used primarily to send performance monitoring information over the Facilities Data Link.

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Power Over the Interface is an optional feature available with the installation of 1.544 Mbps High Capacity service. This option provides line power to the Customer's Premises Equipment, enabling the customer to benefit from uninterrupted service if a commercial power failure occurs.

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Issued: MAR 2 6 1993

Effective:

APR 1 1 1993

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

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# ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
  - 7.2.8 High Capacity Service-(Continued)
  - E. Optional Features and Functions-(Continued)

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5. Extended Superframe Format

Extended Superframe Foramt is an optional feature that passes a customer provided framing format for 1.544 Mbps High Capacity service. Extended Superframe Format extends the customer's 1.544 Mbps framing structure from 12 to 24 frames and divides the 8 kbps 193rd bit position pattern into three distinct functionalities: 2 kbps for frame synchronization, 2 kbps for cyclic redundancy checking, and 4 kbps used primarily to send performance monitoring information over the Facilities Data Link.

6. Power Over The Interface

Power Over the Interface is an optional feature available with the installation of 1.544 Mbps High Capacity service. This option provides line power to the Customer's Premises Equipment, enabling the customer to benefit from uninterrupted service if a commercial power failure occurs.

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Issued: MAY 0 7 1990

Effective: JUN 0 6 1990

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

#### ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

7.2.8 High Capacity Service-(Continued)

E. Optional Features and Functions-(Continued)

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

			ilable v cificati			<u>.</u>
	ō	1	<u>1C</u>	<u>2</u>	<u>3</u>	<u>4</u>
Automatic Loop						
Transfer		X				
Central Office Multiplexing: DS4 to DS1 DS3 to DS1 DS2 to DS1 DS1C to DS1 DS1 to Voice DS1 to DS0 DS0 to Subrate(1) Transfer Arrange-	X	X X	X	x	x	X
ment		X				~
Clear Channel Capability		X		CAN	CELLE	U
			Pub	JUN BY / Nic Serv M!	6 1990 H <u>R.S.H</u> Ice Com SSOURI	40.01 mission

(1) Available only on a channel of a 1.544 Mbps facility to a Telephone Company Hub.

Issued: FEB 2 2 1990 By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri Public Service Commission

Access Services Tariff Section 7 Original Sheet 40.01

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Access Services Tariff Section 7 6th Revised Sheet 41 Replacing 5th Revised Sheet 41

# ACCESS SERVICES

# 7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

7.2.8 High Capacity Service-(Continued)

E. Optional Features, BSEs and Functions-(Continued)

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

			Available with Technical Specifications Package HC
	<u>0</u>	<u>1</u>	<u>3</u>
Automatic Loop Transfer		X	
Central Office Multiplexing:			
DS3 to DS1			Х
DSI to Voice		х	
DS1 to DSO		Х	
DSO to Subrate(1)	Х		
Transfer Arrange-			
ment		Х	
Clear Channel			
Capability		Х	
Extended Superframe			
Format		Х	
Power Over the			
Interface(2)		Х	

(1) Available only on a channel of a 1.544 Mbps facility to a Telephone Company

- (AT) Hub or on a DS0 channel that connects to a customer's Network Reconfiguration Service (NRS) Network that contains a DS1 channel.
- (AT) (2) Obsolete, and limited to existing installations at existing locations, for

(AT) existing customers.

Issued:	August 26, 1994	Effective:	September 26, 1994

By M. H. SCHULTEIS, Executive Director-External Affairs



(CP)

Access Services Tariff Section 7 5th Revised Sheet 41 Replacing 4th Revised Sheet 41

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#### ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Service Descriptions-(Continued)
  - 7.2.8 High Capacity Service-(Continued)
  - E. Optional Features, BSEs and Functions-(Continued)

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

omatic Loop ansfer tral Office ttiplexing: DS3 to DS1 DS1 to Voice DS1 to DS0	ō	<u>1</u> x	<u>3</u>		
ansfer tral Office Ltiplexing: DS3 to DS1 DS1 to Voice		X	X		-
ltiplexing: DS3 to DS1 DS1 to Voice			X		-
DSl to Voice			X		-
				C	ANCELLED
		х			SEP 261994 6 U. R.S. # H Service Commission
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OSO to Subrate(1)	Х				6 4 no mission
ransfer Arrange-				BY.	Corvice Commiss
nent		Х		Public	MISSOURI
lear Channel Capability		X		-	Service Commission Service Commission MISSOURI
xtended Superframe		л			
Format		Х			
ower Over the					
Interface		Х			
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only on a channel of b.	a 1.54	4 Mbps	facility		ephon <b>e</b> MISSOURI Iblic Service Commissio
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Access Services Tariff Section 7 4th Revised Sheet 41 Replacing 3rd Revised Sheet 41

#### ACCESS SERVICES

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MAR 29 1993

SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

7.2.8 High Capacity Service-(Continued)

MISSOURI Public Service Commission

(AT) E. Optional Features, BSEs and Functions-(Continued)

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

					ch Techn Is Packa	
	<u>0</u>	<u>1</u>	<u>1C</u>	<u>2</u>	<u>3</u>	4
Automatic Loop						
Transfer		х				
Central Office						
Multiplexing:						
DS4 to DS1						х
DS3 to DS1					X	
DS2 to DS1				X		
DSIC to DS1			Х			
DS1 to Voice		X				
DSl to DSO		X				
DSO to Subrate(1)	X					
Transfer Arrange-						-
ment		X			CANCE	LLED
Clear Channel						
Capability		X				
Extended Superframe					0-27	5 1992
Format		X			SET "	० ८ ≠ भ
Power Over the					(m)	Y. S.
Interface		X		B	Cervic	5 1993 ?.S. <sup>#</sup> .4 Se Commis SOURI
				Publ	MIS	SOURI

(1) Available only on a channel of a 1.544 Mbps facility to a Telephone Company Hub.

Issued: MAR 2 6 1993 By R. D. BARRON, President-Missouri Division APR 11 1993 Southwestern Bell Telephone Company 92-304 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 3rd Revised Sheet 41 Replacing 2nd Revised Sheet 41

# ACCESS SERVICES

#### 7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

MISSOURI Public Service Commission

E. Optional Features and Functions-(Continued)

7.2.8 High Capacity Service-(Continued)

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

			ilable w cificati			=
	ō	<u>1</u>	<u>1C</u>	<u>2</u>	<u>3</u>	4
Automatic Loop Transfer		x				
Central Office Multiplexing: DS4 to DS1 DS3 to DS1 DS2 to DS1 DS1c to DS1 DS1 to Voice DS1 to Voice DS1 to Subrate(1) Transfer Arrange- ment Clear Channel Capability Extended Superframe Format Power Over the Interface	X	X X X X X X X	x C Public	APR 11	x <b>LLED</b> . 1993 + <u>R.S.</u> Comm OURI	x H ission

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 Available only on a channel of a 1.544 Mbps facility to a Telephone Company Hub.

Issued: MAY 0 7 1990

Effective: JUN 0 6 1990

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

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Access Services Tariff Section 7 2nd Revised Sheet 41 Replacing 1st Revised Sheet 41 Original Sheet 41.01 1st Revised Sheet 42 2nd Revised Sheet 43 1st Revised Sheet 44 1st Revised Sheet 45 1st Revised Sheet 46 2nd Revised Sheet 47 Publi(2nd) Revised Shee 248 1st Revised Sheet 49 through 1st Revised Sheet 54 2nd Revised Sheet 55 through 2nd Revised Sheet 57 4th Revised Sheet 58 1st Revised Sheet 59 Public Service Commission through 1st Revised Sheet 61 Original Sheet 62 1st Revised Sheet 63 2nd Revised Sheet 64 through 2nd Revised Sheet 67

(CP)ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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No supplement to this

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except for the purpose

of canceling this tariff.

(AT) Information previously found in Section 7.3 may be found in the approved Technical Reference Publications.

JUN 6 1990

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Issued: SEP 2 5 1989	Effective: )C	T 1 1989
	BARRON, President-Missouri western Bell Telephone Com St. Louis, Missouri	

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		• (CP)ACCESS SERVICES	
7. SPECIAL AC	CESS SERV	ICE-(Continued)	
		and Network Channel Codes	JUN 27 1986
		ains the channel interface code	and netWASSIAHEnnel
codes th Included code, a	at the IC is an exa glossary o	must specify when ordering Spe ample which explains the specif of channel interface codes, imp	dialbhe Service Commission re-characters_of_the
channel	codes and	compatible channel interfaces.	
	interface	IC specifies an NT network chan at the IC terminal location, i	
NT =	Metallic	channel with a predefined techn	ical
	specifica	tion package	
		physical wires at IC terminal interface for direct current or	location voltage
		impedance level	CANCELLED
3 =	Metallic	facilities (DC continuity) for	arecu
	data (30	ow-frequency control signals or baud)	stow-speed 1 1903
			ns
7.3.1 Gloss	ary of Ch	annel Interface Codes and Optio	ns
Code	Option	Definiti	on
AB	-	accepts 20 Hz ringing signal	at IC point of termination
AC	-	accepts 20 Hz ringing signal	
	D	termination	
AH	- R -	code selective multipoint ri analog high capacity interfa	
	– B	60 kHz to 108 kHz (12 channe	
	+ C	312 kHz to 552 kHz (60 chann	els)
	- D	564 kHz to 3084 kHz (600 cha	
CT DA	-	Centrex tie-trunk terminatio	
DA	-	data stream in VF frequency termination	band at End user's point of
	- S	sealing current source and s	ink provided by Southwestern
DB	-	Bell Telephone data stream in VF frequency	band at IC point of termination
		location	
	- 10 - 43	VF for TG1 and TG2	
	- 43	VF for 43 telegraph carrier-	\$
			JUL 1 1985
			86-84
			Public Service Commission
		·	Public Service Commission
Issued: JUN 2		Effective:	

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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 Criginal Sheet 41

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)
- B. Voice Grade Services-(Continued)

7. Voice Grade 7 (VG7) Special Access Service-(Continued)

- d. Transmission Performance-(Continued)
  - Echo Control-(Continued)

#### Effective Four-Wire Transmission

(Two-wire interface at the End User's premises.)

	Echo Return Loss	Singing Return Loss
Two-Wire Interface		
(Return Loss)	24 dB	18 dB
Four-Wire Interface (Equal Level Echo Path Loss)	20 dB	14 dB

- Improved Return Loss

The Return Loss (RL), expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), on two-wire ports of a four-wire point of interface shall be equal to or greater than:

Stan	dard	RL	Impi	coved	RL
ERL	5	dB		20	
SRL	2.5	dB	SRL	13.5	dB

- Loss Variation

The long term loss variation from the nominal 1004 Hz EML shall not exceed  $\pm 1.5$  dB.

- Attenuation Distortion

The attenuation distortion between 404 Hz and 2804 Hz shall be within -1.0 dB and +2.0 dB with reference to 5 the loss at 1004 Hz (minus equals less loss, plus equals more loss). The attenuation distortion between 304 Hz and 3004 Hz shall be within -1.0 dB and+5 0 dB. All 1934 **93 - 253** 

1986 - Signal-to-C Notch NoiseL1 Pahlin Cardina n LIS.UII The Signal-to-C Notch hoisecrathic shall not be less PUBLIC SERVICE COMMISSION than 30 dB. OF MISSOUR

Effective: JAN 0 1 1984

Issued: DEC 2 9 1983

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

Access Services Tariff Section 7 2nd Revised Sheet 41.01 Replacing 1st Revised Sheet 41.01

# ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

(RT)

7.2 Service Descriptions-(Continued)

(AT) 7.2.9 DovLink Service

A. Basic Channel Description

A DovLink channel is a channel for the transmission of either synchronous or asychronous data at speeds of 2.4, 4.8 or 9.6 kbps. The actual bit rate is a function of the channel interface selected by the customer. A DovLink Channel Termination is provided as a derived channel of a customer's intraexchange voice grade service loop facility. The customer may transmit data over the DovLink channel simultaneously with a voice transmission. The customer must provide a data voice multiplexer at the designated premises.

DovLink is provided where suitable intraexchange voice grade service loop facilities are available subject to the transmission limitations of the facilities and equipment used by the Telephone Company. DovLink is provided between customer-designated premises or between a customer-designated premises and a Telephone Company Hub where bridging or multiplexing functions are performed.

B. Technical Specifications Package

The technical specifications for the customer-provided data voice multiplexer are set forth in the appropriate Technical Reference for

(AT) DovLink Service listed in Paragraph 7.2, preceding.

Issued: October 5, 1992 Effective: December 4, 1992

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



Access Services Tariff Section 7 1st Revised Sheet 41.01 Replacing Original Sheet 41.01 1st Revised Sheet 42 2nd Revised Sheet 43 RECEIVED 1st Revised Sheet 44 1st Revised Sheet 45 1st Revised Sheet 46 APR 2 0 1990 2nd Revised Sheet 47 2nd Revised Sheet 48 MISSOURI 1st Revised Sheet 49 Public Service Commission through 1st Revised Sheet 54 2nd Revised Sheet 55 through 2nd Revised Sheet 57 4th Revised Sheet 58 1st Revised Sheet 59 through 1st Revised Sheet 61 Originl Sheet 62 1st Revised Sheet 63 2nd Revised Sheet 64 through 2nd Revised Sheet 67

#### ACCESS SERVICE

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7. SPECIAL ACCESS SERVICE-(Continued)

Information previously found in Section 7.3 may be found in the approved Technical Reference Publications.

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JUN 6 1990

Public Service Commission

Issued: MAY 0 7 1990

Effective: JUN 0 6 1990

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

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No supplement to this tariff will be issued	Access Services Tariff
except for the purpose of canceling this tariff	
7. SPECIAL ACCESS SERVI	CE-(Continued) JUN 2 7 1986
7.3 Channel Interface	and Network Channel Codes-(Continued)
7.3.1 Glossary of Cha	nnel Interface Codes and Options; (Continued) Commission
Code Option	Definition
DC -	direct current or voltage
- 1	monitoring interface with series RC combination (McCulloh format)
- 2	Telephone Company-energized alarm channel
- 3	Metallic facilities (DC continuity) for direct
	current/low-frequency control signals or slow- speed data (30 baud)
DD -	DATAPHONE Select-A-Station (and TABS) interface at IC
	point of termination
DE -	DATAPHONE Select-A-Station (and TABS) interface at the End User's point of termination

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Issued: JUN 27 1986

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Effective: UL 11388 .

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

# ACCESS SERVICES

# 7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

- (AT) 7.2.9 DovLink Service-(Continued)
  - C. Channel Interfaces

The following channel interfaces (CI) define the bit rates that are available for a DovLink channel:

CI	Bit Rate
02DV5BA	2.4 kbps
02DV5BB	4.8 kbps
02DV5BC	9.6 kbps

D. Optional Features and Functions

Only those MegaLink Data Service Optional Features and Functions listed below are available with DovLink Service.

(1) Central Office Bridging Capability

Central office bridging connects three or more customer-designated premises in a multipoint arrangement.

CANCELLED - Missouri Public Service Commission - 02/16/2003 - IN-2003-0247

Issued: October 5, 1992

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



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No suppl tariff w except f	ill be or the	is: pu	sued rpose	Access Services Tariff Section 7 lst Revised Sheet 42
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				(CP)ACCESS SERVICES REGENCED
7. SPEC	TAL AC	CES	S SERVIC	CE-(Continued)
				JUN 27 1986
7.3 Ch	annel	Int	erface a	and Network Channel Codes-(Continued)
7.3.1	Gloss	ary	of Char	nel Interface Codes and Options (Continued)SUUKI Public Service Commission
	Code			Definition Definition
	code	2	ption	
	DS	-		digital hierarchy interface
	20	-	15	1.544 Mbps (DS1) format per PUB 41451 plus D4
		-	15E	8-bit PCM encoded in one 64 kbps of the DSl signal
		-	15F	8-bit PCM encoded in two 64 kbps of the DS1 signal
		-	15G	8-bit PCM encoded in three 64 kbps of the DS1 signal
		-	15H	14/11-bit PCM encoded in six 64 kbps of the DSI signal
		-	15J	1.544 Mbps format per PUB 41451
		-	15K	1.544 Mbps format per PUB 41451 plus extended framing
				format
		-	15L	1.544 Mbps (DS1) with SF signaling
		-	27	274.176 Mbps (DS4)
		-	27L	274.176 Mbps (DS4) with SF signaling
		-	31	3.152 Mbps (DS1C)
		-	31L	3.152 Mbps (DS1C) with SF signaling
		-	44	44.736 Mbps (DS3)
		-	44L	44.736 Mbps (DS3) with SF signaling
		-	63	6.312 Mbps (DS2)
		-	63L	6.312 Mbps (DS2) with SF signaling



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Issued: JUN 27 1988

Effective: JUL 1 1000

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

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Access Services Tariff Section 7 Original Sheet 42

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#### ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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

- 7.2.1 Analog Services-(Continued)
- B. Voice Grade Services-(Continued)
  - 7. Voice Grade 7 (VG7) Special Access Service-(Continued)
    - d. Transmission Performance-(Continued)
      - Envelope Delay Distortion

The Envelope Delay Distortion (EDD) shall not exceed 700 microseconds between 800 and 2600 Hz.

- Impulse Noise

The number of impulse noise counts exceeding a threshold of 67 dBrnCO in 15 minutes shall be less than 15.

- Intermodulation Distortion

The intermodulation distortion based upon the four tone method shall be such that R2 is not less than 33 dB and R3 not less than 40 dB.

- Phase Jitter

The phase jitter over 20-300 Hz shall not exceed  $5^{\circ}$  peak-topeak and over 4-300 Hz shall not exceed  $10^{\circ}$  peak-to-peak.

- Frequency Shift

The frequency shift shall be exceed ±1 Hz. 市山山名前 JUL 1 1986 JAN - 1 1920 83 - 253 SERVICE COMMISSION OF MISSOURI PUBLIC

Issued: DEC 2 9 1983

Effective: JAN 0 1 1984

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

Access Services Tariff Section 7 5th Revised Sheet 43 Replacing 4th Revised Sheet 43

# ACCESS SERVICES

# 7. SPECIAL ACCESS SERVICE-(Continued)

# 7.2 Service Descriptions-(Continued)

(RT)

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 4th Revised Sheet 43 Replacing 3rd Revised Sheet 43 REGIVED

#### ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

(AT) 7.2.10 Business Video Service

A. Basic Channel Description

Business Video Service provides a video channel with two-way transmission capability for a standard 525-line/60-field monochrome, or National Television Systems Committee (NTSC) color, System M video signal. This service includes one associated audio signal in the 7 kHz range. Business Video Service is available for local channels and for associated interoffice channels.

Business Video Service may consist of one Business Video Channel termination at one end of a two-point circuit and a High Capacity (DS1) channel termination (as set forth in Paragraph 7.2.8) at the other end of the two-point circuit. This service will include the ancillary sale of one 4.8 kbps and one 9.6 kbps MegaLink Data Service channel.

Business Video Service provides for two-way compressed video/audio service on a two-point basis. Business Video is suitable for teleconferencing which connects two groups at different locations.

Business Video Service may be provided between two customer-designated premises. Two types of service are offered, Business Video I and Business FEB 10 1997 # 43 Video II.

Business Video I

Business Video I is a digital channel capable of two way two point video/audio transmission. This video service is "Public traction of the broadcast quality video, but has less stringent technical parameters and it has some noticeable motion impairment. The bandwidth for Business Video I is 384 kbps.

#### Business Video II

Business Video II is a digital channel capable of two-way two-point video/audio transmission. This video service is visually comparable to broadcast quality video, but has less stringent technical parameters. The bandwidth for Business Video II is 1.544 Mbps.

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Issued: FEB 0 9 1993

Effective: Manual Action DUBLIC SERVICE COMM.

APR 1 9 1993

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

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Public Service Committee ...

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No supplement to this tariff will be issued except for the purpose	Access Services Tariff Section 7 3rd Revised Sheet 43 Replacing 2nd Revised Sheet 43						
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Issued: OCT - 5 1992

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Effective:

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

No supplement to this Access Services Tariff tariff will be issued Section 7 except for the purpose 2nd Revised Sheet 43 Replacing REGEIVED 43 of canceling this tariff. (CP)ACCESS SERVICES 7. SPECIAL ACCESS SERVICE-(Continued) JUN 27 1986 7.3 Channel Interface and Network Channel Codes-(Continged) WIZZUNKI 7.3.1 Glossary of Channel Interface Codes and Options- Quillin Service Commission Code Option Definition DU digital access interface 24 2.4 kbps 48 4.8 kbps 56 56.0 kbps 96 9.6 kbps 1.544 Mbps format per PUB 41451 А 1.544 Mbps format per PUB 41451 plus D4 В С 1.544 Mbps format per PUB 41451 plus extended framing format DX duplex signaling interface at IC POT DY duplex signaling interface at End User's POT Type I E&M Lead Signaling. IC at POT or End User ΈA - E at POT originates on E Lead. - M Type I E&M Lead Signaling. IC at POT or End User EA at POT originates on M Lead. IC at POT or End User EB - E Type II E&M Lead Signaling. at POT originates on E Lead. EB - M Type II E&M Lead Signaling. IC at POT or End User at POT originates on M Lead. ĒC Type III E&M signaling at IC terminal POT ΕX tandem channel unit signaling for loop start or - A ground start and IC supplies open end (dial tone, etc.) functions. EΧ - B tandem channel unit signaling for loop start or ground start and IC supplies closed end (dial tone, etc.) functions. FILED . 飛艇 1 1986 Public Service Sofinmission 1 1335 Issued: Effective: JUL JUN 27 1986 By R. 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 1st Revised Sheet 43 Replacing Original Sheet 43

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			CESS SERVICE-(Continued)	
7.2	Tech	nica	LI Service Descriptions for Special Access Service-(Continued) 以呂[[	ן (D
			g Services-(Continued) AUG 1 1 ()	11 11 11
В.	Voi	ce G	rade Services-(Continued)	
	7.	Voi	ce Grade 7 (VG7) Special Access Service-(Continued)blic Service Commis	ssion
		e.	Available Facility Interface Combinations	<u>, , , , , , , , , , , , , , , , , , , </u>
			VG7 is available only with specific facility interface combinations as set forth in Paragraph 7.2.1, B.14., following.	
	8.	Voi	ce Grade 8 (VG8) Special Access Service	
		a.	Description	
			Special Access Service VG8 provides a channel for voiceband data transmission capability. Usable frequencies are nominally 300 to 3000 Hz between an IC terminal location and an End User's premises. The standard transmission interface at the End User's premises is two-wire or four-wire and the IC terminal location interface is four-wire. This service will support effective four-wire transmission.	
		ь.	Illustrative Application	
			Special Access Service VG8 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as:	
)			- SSN Access Line - SSN Station Line	
		c.	Optional Features	
RT)			- C-Condition in the ELLED - IC specificed End User's premises receive level within a range acceptable to the Telephone Company. JUL 1 JUL 1 JUL 1 JUL 1	
			BY 2 SERVICE COMMISSION PUBLIC SERVICE COMMISSION OF MISSOURI	_
Issue	d:	AUG	1 5 1984 Effective: OCT 1 5 1984	)n

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

Access Services Tariff Section 7 Original Sheet 43

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#### ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
- 7.2.1 Analog Services-(Continued)
- B. Voice Grade Services-(Continued)
  - 7. Voice Grade 7 (VG7) Special Access Service-(Continued)
    - Available Facility Interface Combinations e.

VG7 is available only with specific facility mortage LLED combinations as set forth in Paragraph 7.2.1, U.T., following. OCT 1 5 1984

- 8. Voice Grade 8 (VG8) Special Access Service
  - Description а.

Special Access Service VG8 provides a channel for voiceband data transmission capability. Usable frequencies are nominally 300 to 3000 Hz between an IC terminal location and an End User's premises. The standard transmission interface at the End User's premises is two-wire or four-wire and the IC terminal location interface is four-wire. This service will support effective four-wire transmission.

b. Illustrative Application

Special Access Service VG8 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as:

- SSN Access Line
- SSN Station Line

c. Optional Features

- C-Conditioning
- IC specified End User's premises receive level within a range acceptable to the Telephone Company for effective four-wire transmission. 83-253

Issued: DEC 2 9 1983

Effective: JAN 0 1 1984

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

Access Services Tariff Section 7 3rd Revised Sheet 44 Replacing 2nd Revised Sheet 44

# ACCESS SERVICES

# 7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

(RT)

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 SPECIAL ACCESS SERVICE-(Continued) 7.2 Service Descriptions-(Continued) (AT) 7.2.10 Business Video Service-(Continued) A. Basic Channel Description-(Continued) The customer must provide the customer premises equipment at each end of the two-point network, such as cameras, monitors, audio and graphics equipment. B. Technical Specifications Packages The technical specifications are set forth in the Technical References listed in Paragraph 7.2, preceding. C. Channel Interfaces

The following channel interfaces (CIs) define the bandwidth and the provision of the audio signal(s) associated with Business Video channels:

	Audio	
CI	Bandwidth	Provision
14TV6-7	7kHz	2-Way (Transport)

Compatible channel interfaces are set forth in the Technical References listed in Paragraph 7.2, preceding.

- **Optional Features and Functions** D.
  - 1. Split Screen Capability

This allows three separate areas of the room to be viewed simultaneously, or two areas and one graphics view. The bandwidth is split between the monitors providing less than a full screen view on CANCELLED each monitor.

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Issued: FEB 0 9 1993

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

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Access Services Tariff

Replacing 1st Revised Sheet 44

2nd Revised Sheet 44

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			ACCESS SERVICES
7. SPECIAL A	CCES	S SERVIC	CE-(Continued) JUN 27 1986
7.3 Channel	Int	erface a	and Network Channel Codes-(Continued) MISSUUKI
7.3.1 Glos	sary	v of Char	nnel Interface Codes and Options-CoulinService Commission
Code	Č	ption	Definition
GO	-		ground-start loop signaling - open-end function
GS	-		by IC or End User ground-start loop signaling - closed-end function
	-	С	by IC or End User Centrex CO FX Termination
	-	M	Southwestern Bell Telephone CO TAS Concentrator
IA	-		E.I.A. (25 pin RS-232)
LA	-		End User's loop-start loop signaling - Type A OPS registered port open end
LB	-		End User's loop-start loop signaling - Type B OPS registered port open end
LC	-		End User's loop-start loop signaling - Type C OPS registered port open end
LO	-		loop-start loop signaling - open-end function by
			IC or End User
LR	-		20 Hz automatic ringdown interface at IC with Telephone
LS	-		Company-provided PLAR loop-start loop signaling - closed-end function by IC or End User
	-	М	Southwestern Bell Telephone CO TAS Concentrator

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Issued: JUN 27 1986

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Effective: JUL 1 1980

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

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ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued) 7.

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- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
  - 7.2.1 Analog Services-(Continued)
  - B. Voice Grade Services-(Continued)
    - . 8. Voice Grade 8 (VG8) Special Access Service-(Continued)
      - c. Optional Features-(Continued)
        - Improved return loss at four-wire point of interface, applicable to each two-wire leg of effective four-wire channel.
      - d. Transmission Performance

- C-Message Noise

The C-Message Noise shall be less than:

		Limit (dBrnCO)(1)				
<u>Channel M</u>	<u>fileage (mi)</u>	Type V1	Type V2			
0 -	· 50	32	38			
51 -	• 100	33	39			
101 -	• 200	35	41			
201 -	400	37	43			
401 -	1000	39	45			

- Echo Control

Echo Control, identified as Equal Level Echo Path Loss at four-wire interfaces or Return Loss at two-wire interfaces, and expressed as Echo Return Loss and Singing Return Loss, at either the End User supremises or IC terminal location shall be not deal that the Eoriowing limits:



(1) Where facility network conditions will support the parameters, Type VI will be provided. Where the Type VI parameters cannot be supported, Type V2 will be provided.

Issued: DEC 2 9 1983

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		Revised		
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	1st	Revised	Sheet	49
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	2nd	Revised	Sheet	67

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Issued: FEB 0 9 1993

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

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Effective: MAR 1 1985

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

No supplement to this Access Services Tariff tariff will be issued Section 7 except for the purpose of canceling this tariff. Replaci (CP)ACCESS SERVICES JUN 27 1986 7. SPECIAL ACCESS SERVICE-(Continued) MISSUNKI 7.3 Channel Interface and Network Channel Codes-(Continued) Public Service Commission 7.3.1 Glossary of Channel Interface Codes and Options-(Cont Code Definition Option NO no signaling interface, transmission only S sealing current source provided by Southwestern Bell Telephone, sink provided by customer PG program transmission - no dc signaling 1 nominal frequency from 50 to 15,000 Hz 3 nominal frequency from 200 to 3,500 Hz nominal frequency from 100 to 5000 Hz 5 nominal frequency from 50 to 8,000 Hz 8 PR protective relaying(1) RV 0 reverse battery signaling, one-way operation, originate by IC Т reverse battery signaling, one-way operation, terminate function by IC or End User SF single frequency signaling within VF band at either IC POT or End User's POT ΤT telegraph/teletypewriter interface at either IC POT or End User's POT 2 20.0 milliamperes 3 3.0 milliamperes 62.5 milliamperes 6 wideband bandwidth interface at End User's POT WA limited bandwidth 1 2 nominal passband from 29,000 to 44,000 Hz WB wideband data interface at IC POT 18S 18.75 kbps, synchronous 19A up to 19.2 kbps asynchronous 19S 19.2 kbps synchronous 23A up to 230.4 kbps, asynchronous 23S 230.4 kbps, synchronous FRLED 40S 40.8 kbps, synchronous 50A up to 50.0 kbps, asynchronous 50S 50.0 kbps, synchronous JUL 1 1986 86-84 (1) Available only for the transmission of audio tone protective relaying Commission signals used in the protection of electrical power systems during fault conditions. Issued: JUN 27 1986 JUL 1 News JUL Effective: 1 1988 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 45
or concert		ACCESS SEI	RVICES	
7. SPECIA	L ACCES	SS SERVICE-(Continued)		NECENVED
7.2 Tech	unical S	Service Descriptions for S	Special Access S	ervice-(Continued)
7.2.1 A	nalog S	Services-(Continued)		DEC 20 CEC
B. Voi	ice Grad	le Services-(Continued)		LASCOURI
8.	Voice	Grade 8 (VG8) Special Acc	cess Service-(Co	atinued)
	d. Tı	cansmission Performance-((	Continued)	
	-	Echo Control-(Continued)		
Effective Four-Wire Transmission				
(Two-wire interface at the End User's premises).				
			Echo <u>Return Loss</u>	Singing Return Loss
		Two-Wire Interface (Return Loss) Four-Wire Interface (Equal Level Echo Path Loss) (For Centrex application 2 dB pad is "in")	24 dB 20 dB	18 dB 14 dB
		Improved Return Loss		
The Return Loss (RL), expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), on two-wire ports of a four-wire point of interface shall be equal to or greater than:				
SRL 2.5 BRI 13.5 dB				
- Loss Variation JUL 1 1986				
The long term loss variation from the nominal 1004 Hz				
	-	Attenuation Distortion	OF MISSOURI	JAN ~ 1 1934 83 - 253
		The attenuation distorti- be within -1.0 dB and +2 1004 Hz (minus equals le The attenuation distorti be within -1.0 dB and +5	on between 404 H .0 dB with refea ss loss, plus ea on between 304 H	Iz and 2804 Hz shall rence to the loss at quals more loss).
Issued:	DEC 2 9	1983 е	ffective: JAN	0 1 1984

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By R. D. BARRON, Vice President-Missouri Southwestern Bell Telephone Company St. Louis, Missouri
No supplement to this Access Services Tariff tariff will be issued Section 7 except for the purpose 1st Revised Sheet 46 of canceling this tariff. Replacing Original Sheet 46 REG (CP)ACCESS SERVICES SPECIAL ACCESS SERVICE-(Continued) 7. JUN 27 1986 7.3 Channel Interface and Network Channel Codes-(Continued) MISSUNKI 7.3.1 Glossary of Channel Interface Codes and Options Fullic Service Commission Code Option Definition · WC wideband data interface at End User's POT 18 18.75 kbps, synchronous for 12-wire interface: 19.2 kbps, synchronous 19 for 10-wire interface: up to 19.2 kbps, asynchronous 23 up to 230.4 kbps, asynchronous 23S 230.4 kbps, synchronous 40 40.8 kbps, synchronous 50 for 12-wire interface: 50.0 kbps, synchronous for 10-wire interface: up to 50.0 kbps, asynchronous WD wideband bandwidth interface at IC POT 1 nominal passband from 300 to 18,000 Hz 2 nominal passband from 28,000 to 44,000 Hz nominal passband from 29,000 to 44,000 Hz 3 7.3.2 Impedance The nominal reference impedance with which the IC or End User will terminate the channel for the purposes of evaluating transmission performance: Value (ohms) Code(s) 110 0 150 1 600 2 900 3 135 5

> 75 124 Variable 100

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Effective: JUL 1 1986

Access Services Tariff Section 7 Original Sheet 46

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#### ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
- 7.2.1 Analog Services-(Continued)
- B. Voice Grade Services-(Continued)
  - 8. Voice Grade 8 (VG8) Special Access Service-(Continued)
    - d. Transmission Performance-(Continued)
      - Signal-to-C Notch Noise

The Signal-to-C Notch noise ratio shall not be less than 32 dB.

- Envelope Delay Distortion

The Envelope Delay Distortion (EDD) shall not exceed 700 microseconds between 800 and 2600 Hz.

- Impulse Noise

The number of impulse noise counts exceeding a threshold of 67 dBrnCO in 15 minutes shall be less than 15.

- Intermodulation Distortion

The intermodulation distortion based upon the four tone method shall be such that R2 is not less than 45 dB and R3 not less than 48 dB.

- Phase Jitter

The phase jitter over 20-300 Hz shall not exceed  $4^{\circ}$  peak-topeak and over 4-300 Hz shall not exceed  $9^{\circ}$  peak-to-peak.

JUL 1. 1986

- Frequency Shift The frequency shift Shall not exceed +1 Hz.

PUBLIC SERVICE COMMISSION OF MISSOURI

Issued:

DEC 2 9 1983

Effective: JAN 0 1 1994

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

No supplement to this	Acce	ess Services Tariff
tariff will be issued		Section 7
except for the purpose	2r	nd Revised Sheet 47
of canceling this tariff.	Replacing 1s	st Revised Sheet 47
(CP)ACCESS SERVICES		REGEIVED
7. SPECIAL ACCESS SERVICE-(Continued)		
7.3 Channel Interface and Network Channel Code	s-(Continued)	JUN 27 1986
7.3.3 Digital Hierarchy Channel Interface Cod	es (4DS)	MISSUUKI

Public Service Commission

This interface is available to customers that select the multiplexed four-wire DSX-1 or higher facility interface option at the customerdesignated premises and provide subsequent system and channel assignment data. The various digital bit rates in the digital hierarchy employ the channel interface code 4DS9, 4DS0 or 4DS6 plus the speed options indicated below:

Interface Code and Speed Option	Nominal Bit Rate (Mbps)	Digital Hierarchy Level
4DS8-15	1.544	DS1
4DS9-31	3.152	DS1C
4DSO-63	6.312	DS2
4DS6-44	44.736	DS3
4DS6-27	274.176	DS4

7.3.4 Service Designator/Network Channel Code Conversion Table

The purpose of this table is to show the relationship between the service designator codes (e.g. VGC, MT2, etc.) and the network channel codes that are used for:

Service Designator	Network Channel
Code	Code
MTC	MQ
MT1	NT
MT2	NU
MT3	NV
TGC	NQ
TG1	NW
TG2	NY
VGC	LQ
VG1	LB
VG2	LC
	UL 1 1986 Public Service Lommission

Issued: JUN 27 1986

Effective: JUL 1 1986

Access Services Tariff Section 7 lst Revised Sheet 47 Replacing Original Sheet 47

#### ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continue	7.	PECIAL	ACCESS	SERVICE-(	Continued
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7.2 Technical Service Descriptions for Special Access Service-(Co	REGEIVED	1000
7.2.1 Analog Services-(Continued)		; i
B. Voice Grade Services-(Continued)	AUG 1 -2 120 1	, 
<ul> <li>B. Voice Grade Services-(Continued)</li> <li>8. Voice Grade 8 (VG8) Special Access Service-(Continued)</li> <li>e. Available Facility Interface Combinations</li> </ul>	talSSOURI	
e. Available Facility Interface Combinations	nc Service Commission	•

VG8 is available only with specific facility interface combinations as set forth in Paragraph 7.2.1, B.14., following.

9. Voice Grade 9 (VG9) Special Access Service

a. Description

Special Access Service VG9 provides a channel for voiceband data transmission capability. Usable frequencies are nominally 300 to 3000 Hz between an IC terminal location and another IC terminal location or a Telephone Company Central office which serves as an SSN Switch. The transmission interface at the End User's premises or Telephone Company Central Office is four-wire and the IC terminal location interface is four-wire. This service will support effective four-wire transmission.

b. Illustrative Application

Special Access Service VG9 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as SSN Network Trunks.

c. Optional Features

(RT)

- C-Conditioning
- IC specified End User premises receive level within a range acceptable of the phone Eulerany.
- Improved return loss at four-wire point of interface, applicable to each two-wire leggof effective four-wire channel

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	B	Y DELIC SERVICE COMMISSION		OCT 15 1984
Issued:	AUG 1 5 1984	Effective:	OCT	1 5 1984 Public Service Commission
		ARRON, President-Missour:		
	South	western Bell Telephone Co	ompan	у

St. Louis, Missouri

Access Services Tariff Section 7 Original Sheet 47

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#### ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued) 7.

- BEC 2 9 1003 7.2 Technical Service Descriptions for Special Access Service-(Continued)
  - 7.2.1 Analog Services-(Continued)
  - B. Voice Grade Services-(Continued)
    - 8. Voice Grade 8 (VG8) Special Access Service-(Continued) GANGELLED
      - e. Available Facility Interface Combinations

VG8 is available only with specific facility interface 151984 combinations as set forth in Paragraph 7.2.1, B.14.001 following.

- 9. Voice Grade 9 (VG9) Special Access Service
  - a. Description

Special Access Service VG9 provides a channel for voiceband data transmission capability. Usable frequencies are nominally 300 to 3000 Hz between an IC terminal location and another IC terminal location or a Telephone Company Central office which serves as an SSN Switch. The transmission interface at the End User's premises or Telephone Company Central Office is four-wire and the IC terminal location interface is four-wire. This service will support effective four-wire transmission.

b. Illustrative Application

Special Access Service VG9 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as SSN Network Trunks.

- c. Optional Features
  - C-Conditioning
  - IC specified End User premises receive level within a grange acceptable to the Telephone Company for effective four-wire transmission.
  - Improved return loss at four-wire point of interface, applicable to each two-wire leg of effective four-wire channel.

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Access Services Tariff Section 7 2nd Revised Sheet 48 Replacing 1st Revised Sheet 48 RECEIVED

#### ACCESS SERVICES

### 7. SPECIAL ACCESS SERVICE-(Continued)

### OCT-1 3 1987

7.3 Channel Interface and Network Channel Codes-(Continued) MISSOURI
 Public Service Commission
 7.3.4 Service Designator/Network Channel Code Conversion Table-(Continued)

	Code	Code
	VG3	LD
	VG4	LE
	VG5	LF
	VG6	LG
	VG7	LH
	VG8	LJ
	VG9	lk
	VG10	LN
	VG11	LP
	VG12	LR .
)	VGW	SE (standard)
·)	VGW	SF (improved)
-	APC	PQ
	AP1	PE
	AP2	PF
	AP3	PJ
	AP4	PK
	WA1	ŴĴ
	WAIT	WQ
	WA2	WL
	WA2A	WR
•	WA3	WN
	WA4	WP
	WD1	WB
	WD2	WE
	WD3	WF
	DA1	XA
	DA2	XB
	DA3	XG
	DA4	XH
	НСО	HS
	HC1	HC
	HCIC	HD FILED
	HC2	
	HC3	HF OCT 16 1987
	HC4	
		Public Service Commiss
Issued:	OCT 1 4 1987	Effective: OCT 16 1987

Southwestern Bell Telephone Company

St. Louis, Missouri



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Public Service Commission

#### ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service-(Continued)<sup>(203)</sup>
  - 7.2.1 Analog Services-(Continued)
  - B. Voice Grade Services-(Continued)
    - 9. Voice Grade 9 (VG9) Special Access Service-(Continued)
      - d. Transmission Performance

- C-Message Noise

The C-Message Noise shall be less than:

	Limit (d)	BrnCO)(1)
<u>Channel Mileage (mi)</u>	Type V1	Type V2
0 - 50	32	38
51 - 100	33	39
101 - 200	35	41
201 - 400	37	43
401 - 1000	39	45

- Improved Return Loss

The Return Loss (RL), expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), on two-wire ports of a four-wire point of interface shall be equal to or greater than:

	dard		Improved	RL
	5		ERL 20	
SRL	2.5	dB	SRL 13.5	₫₿

- Loss Variation

The long term loss variation from the nominal 1004 HZ EML shall not exceed +1.5 dB.

- Attenuation Distortion

The attenuation distortion between 404 Hz and  $2804_1$  Hz [shall] be within -1.0 dB and +2.0 dB with reference to the loss at 1004 Hz and between 304 Hz and 3004 Hz shall be within 90. -3.0 dB and 12.0 dB (minus equals less loss, plus equals more loss).

(1) Where facility network conditions will support the parameters, Type VI will be provided. Where the Type VI parameters Schult be supported, Type V2 will be provided.

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except for the purpos			1st Revised Sheet 49
of canceling this tar			Replacing Original Sheet 49
	(CP)ACCESS	SERVICES	REGEIVED
7. SPECIAL ACCESS SI	CRVICE-(Continued)	i -	JUN 2 7 1986
7.3 Channel Interfa	ice and Network Ch	annel Codes-(C	
		<u>,</u>	MISSUURI
7.3.5 Compatible Cl	lamer interfaces		Public Service Commission
The following	tables show the	interface code	s (CI's) which are compatible
A. Metallic			
Compa	tible CI's	<u>   Compatil</u>	ble CI's
4AH5-1	3** 2DC8-1	4AH6-D**	2DC8-2
4AH5-1	3** 2DC8-2	2DC8-1	2DC8-2

2DC8-3

4DS9\*

4DS9\*

2DC8-3

2DC8-1

2DC8-2

\* 4DS9-15, 4DS9-31, 4DS0-63, 4DS6-44, 4DS6-27
 \*\* Available to customers selecting the multiplexed four-wire high capacity analog channel interface option and providing subsequent system and channel assignment data.

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4AH6-C\*\*

4AH6-C\*\*

4AH6+D

2DC8-1

2DC8-2

2DC8-1

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#### ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued) 7.

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J Public Service Commission

- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
  - 7.2.1 Analog Services-(Continued)
  - Β. Voice Grade Services-(Continued)
    - 9. Voice Grade 9 (VG9) Special Access Service-(Continued)
      - Transmission Performance-(Continued) d.
        - Signal-to-C Notch Noise

The Signal-to-C Notch noise ratio shall not be less than 34 dB.

- Envelope Delay Distortion The Envelope Delay Distortion (EDD) shall not exceed 700 microseconds between 800 and 2600 Hz.

- Impulse Noise

The number of impulse noise counts exceeding a threshold of 67 dBrnCO in 15 minutes shall be less than 15.

- Intermodulation Distortion

The intermodulation distortion based upon the four-tone method shall be such that R2 is not less than 50 dB and R3 not less than 54 dB.

- Phase Jitter

The phase jitter over 20-300 Hz shall not exceed  $3^{\circ}$  peak-to-peak and over 4-300 Hz shall not exceed  $8^{\circ}$  peak-to-peak.

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PUBLIC SERVICE COMMISSION OF MISSOURI

- Frequency Shift

The frequency sheet and the end of the sheet JAN - 1 (S2)

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Access Services Tariff Section 7 lst Revised Sheet 50 Replacing Original Sheet 50

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(CP) ACCESS SERVICES -

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Channel Interface and Network Channel Codes-(Continued) JUN 27 1986

7.3.5 Compatible Channel Interfaces-(Continued)

B. Telegraph Grade

_ Compati	ble CI's	Compatil	ole CI's	Compatibl	e CI's
10IA8	10IA8			4DB2-43 +	2TT2-2
4AH5-B***	10IA8	4AH6-D***	4TT2-6	4DB2-43 +	4TT2-2
				4DB2-43 +	4TT2-6
				4DB2-43 +	4DB2-43 -
4AH5-B**	2TT2-2	2DB2-10	10IA8	4DS9*	10IA8
4ah5-b**	4TT2-2	2DB2-10	2TT2-2	4DS9*	2TT2-2
4AH5-B**	2TT2-6	2DB2-10	4TT2-2	4DS9*	4TT2-2
		2DB2-10	2TT2-6		
4AH5-B**	4TT2-6	2DB2-43 +	10IA8	4DS9*	2TT2-6
4AH6-C**	10IA8	2DB2-43 +	2TT2-2	4DS9*	4TT2-6
4AH6-C**	2TT2-2	2DB2-43 +	2TT2-6	2TT2-2	2TT2-2
4AH6-C**	4TT2-2	2DB2-43 +	4TT2-2	2TT2-3 ++	2TT2-2
		2DB2-43 +	4TT2-6		
4AH6-C**	2TT2-6	4DB2-10	10IA8	2TT2-3 ++	4TT2-2
4AH6-C**	4TT2-6	4DB2-10	2TT2-2	2TT2-6	2TT2-6
4AH6-D**	10IA8	4DB2-10	4TT2-2	2TT2-6	4TT2-2
		4DB2-10	2TT2-6		•
4AH6-D**	2TT2-2	4DB2-43 +	101A8	4TT2-2	4TT2-2
4AH6-D**	4TT2-2	4DE2-43 +	2TT2-6		
4AH6-D**	2TT2-6			4TT2-6	4TT2-6

\* 4DS9-15, 4DS9-31, 4DS0-63, 4DS6-44, 4DS6-27
\*\* Available to customers selecting the multiplexed four-wire high capacaty analog channel interface option and providing subsequent system and channel assignment data.
+ Supplemental channel assignment information required. PHONE SERVICE COMMISSION ++ Available to existing customers only.

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Effective: JUL 1 1986

#### ACCESS SERVICES

## DEC 2 0 1000

Section 7 Original Sheet 50

Access Services Tariff

- 7. SPECIAL ACCESS SERVICE-(Continued)
  - 7.2 Technical Service Descriptions for Special Access Service (Continued) Ommission
    - 7.2.1 Analog Services-(Continued)
    - B. Voice Grade Services-(Continued)
      - 9. Voice Grade 9 (VG9) Special Access Service-(Continued)
        - e. Available Facility Interface Combinations

VG9 is available only with specific facility interface combinations as set forth in Paragraph 7.2.1, B.14., following.

- 10. Voice Grade 10 (VG10) Special Access Service
  - a. Description

Special Access Service VG10 provides a channel for voiceband data transmission capability. Usable frequencies are nominally 300 to 3000 Hz between an IC terminal location and an End User's premises. The standard transmission interface at the End User's premises and the IC terminal location is four-wire. This service will support effective four-wire transmission.

b. Illustrative applications

Special Access Service VG10 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as:

- Digital Data Off-Net Extension

- Voice Grade Data Facility

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(CP)ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Channel Interface and Network Channel Codes-(CAUNIO Service Commission)

7.3.5 Compatible Channel Interfaces-(Continued)

C. Voice Grade

<u>Compatibl</u>	e CIs	Compatib]	le CIs	Compatible CIs
4ABZ	4AB2	4AR5-B+ 4AR6-C+	2CT3 2CT3	4AH6-D+ 4DE2
4482	2ACZ	4AH6-D+	2013	4AH5-B+ 4DX2
4AB2	2AC2R		-	4AH6-C+ 4DX2
4482	4AC2	4A35-8+	2DA2	4AH6-D+ 4DX2
4482	4AC2R	44H6-C+	2DA2	
	•	4AHố−D+	2DA2	4A35-8+ 4DY2
4A82	4SF2	4AH5-B+	4DA2	4AHS-C+ 4DY2
		4A25-3+	4DA2S	4AH6-D+ 4DY2
2AC2	2402	4анб-с+	4DA2	
2AC2	4AC2	4AE6-C+	4DA2S	•
4AC2	4AC2	4AH6-D+	4DA2	
		4AH6-D+	4DA2S	
4ah5-b+	4A32	4ah5-b+	6DA2	
4AH6-C+	2EAF	4AH5-B+	6DA2S	
4 <u>A</u> E6-D+	4 <u>4</u> 22	4AH6-C+	6DA2	
		4AH6-C+	6DA2S	
4A85~8+	2AC2	4AH6-D+	6DA2	4AH5-3+ 4EA2-E
4AH5-B+	2AC2R	4486-D+	6DA2S	4AH5-3+ 4EA2-M
4AH6-C+	24C2			
4анб-с+	2AC2R	4AH5-B+	4DB2	4AH6-C+ 4EA2-E
4АНб-D+	2402	4АН6-C+	4DB2	4AH6-C+ 4EA2-M
4AH6-D+	2AC2R	4AH6-D+	4DB2	
4AH5-B+	4AC2			4AH6-D+ 4EA2-E
4AH5-B+	4AC2R	4A85-B+	2DE2	4AH6-D+ 4EA2-M
4АНБ-С+	4AC2	4AH6-C+	2DE2	4AH5-B+ 6EA2-E
4АНБ-С+	4AC2R	4AH6-D+	2DE2	4AH5-8- SEA2-M
4AH6-D+	4AC2	4AH5-8+	4DE2	4AH6-C+ 1)6EA2LE
4AH6-D+	4AC2R	4AH6-C+	4DE2	4AH6-C+ 6EA2-M
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| Fublic Service Commission

Access Services Tariff

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+ Available to customers selecting the multiplexed four-wire high capacity analog channel interface option and providing subsequent system and channel assignment data.

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No supplement to tariff will be i		Access Services Tariff Section 7
except for the p of canceling thi	-	Original Sheet 51
or cancering the	ACCESS SERV	
7. SPECIAL ACCE	SS SERVICE-(Continued)	DEC 2 9 1983
7.2 Technical	Service Descriptions for Sp	ecial Access Service-(Continued)
7.2.1 Analog	Services-(Continued)	Public Service Commission
B. Voice Gra	de Services-(Continued)	
10. Voic	e Grade 10 (VG10) Special A	Access Service-(Continued)
с.	Optional Features	
	<ul> <li>Central office bridging c</li> <li>Improved return loss at f of interface, applicable leg of effective four-wir</li> <li>C-Conditioning</li> <li>DA-Conditioning</li> </ul>	four-wire point to each two-wire
đ.	Transmission Performance	
	- C-Message Noise	
	The C-Message Noise shall	be less than:
	<u>Channel Mileage (mi)</u>	Limit (dBrnCO)(1) Type V1 Type V2
	0 - 50	32 38
	51 - 100 101 - 200	33 39 ·
	201 - 400	35 41 37 43
	401 - 1000	39 45
	- Improved Return Loss	
	and Singing Return Loss ( four-wire point of interf than: Standard Ru SRL 2.5 dB 1111 1	pressed as Echo Return Loss (ERL) (SRL), on two-wire ports of a face shall be equal to or greater $\begin{bmatrix} E \\ ERL & 20 & dB \\ SRL & 13.5 & dB \\ 1986 \end{bmatrix}$ JAN = 1 (53- <b>83 - 253</b> support the parameters, Type V1-will

Access Services Tariff No supplement to this Section 7 tariff will be issued Sheet 52 st Revised except for the purpose Replacing of canceling this tariff. 5 (B) (CP)ACCESS SERVICES JUN 2 7 1986 7. SPECIAL ACCESS SERVICE-(Continued) MISSUURI 7.3 Channel Interface and Network Channel Codes-(Continued) Public Service Commission 7.3.5 Compatible Channel Interfaces-(Continued) C. Voice Grade-(Continued) Compatible CIs Compatible CIs Compatible CIs 4AH6-C+ 21.R2 4AE6-D+ 6E12-E 44E6-C+ 2623-0 2GS3-M 4AH6-D+ 2L.R2 4AH6-D+ 6212-M 4AE6-C+ 2GS2 4AR5-B+ 4LR2 4AH6-D+ 4L.R.2 4AH6-C+ 2GS2-M 4AE5-8+ 6292-2 4AH6-D+ 4L.R2 4AE5-B+ 4AH6-D+ 2**Ġ**\$3 4AE6-D+ 6EE2-M 4AH6-D+ 2GS3-C 44E6-C+ 6EB2-E 2LS24AE5-B+ 4AE6-C+ 6232-M 4AH6-D+ 2GS3-M

4AH5-B+

4A96-C+

4AE5-B+ 1. . . . . . .

4GS2

4GS2

4GS2

6GS2

6GS2

6GS2

21.22

2L.72

4AH5-B+

44E5-B+

4AH5-B+

4AE6-C+

4AH6-C+

4АНб-С+

4АНБ-С+

4AH6-D+

4AH6-D+

4AH5-B+

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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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Issued: JUN 27 1986

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		4 <u>A</u> H6+C+	2LA2	4AH6-D+	2LS2-M
		4AH5-D+	21.42	4AH6-D+	2LS3
				4АН6-D+	2LS3-M
		4AH5-B+	2LB2	4AE5-B+	4LS2
		4AH5-C+	2L32	LAE6-C+	4LS2
		4анб-д+	2LB2	4AH6-D+	4LS2
				4AH5-B+	2N02
4A25-3+	2003	4435-8+	2LC2	4AE6-C+	2N02
4AH6-C+	2003	4AE6-C+	21.C2	4AH6-D+	2N02
4AH6-D+	2003	4AH6-D+	21.C2	4AH5-B+	4802
				4AH5→B→	4N02-S
4AH5-B+	2GS2	4AH5-B+	21.03	4AH6-C+	4NO2
4AH5-B+	2GS2-M	4AH6-C+	21.03	4AH6-C+ <sup>(</sup>	4N02-5
4AH5-B+	2683	4AH6-D+	21.03	4AH6-D+	4N02 5
4AH5-8+	2683-C			4AH6-D+	4N02-S
4AH5-B+	2GS3-M			4AH5-B+ 1	2PR2
44H6-C+	2GS2			4AH6-C+	2PR2 JUL 1

4AH5-B+

+ Available to customer selecting the multiplexed four-wire high-capacity-analogchannel interface option and providing subsequent system and channel assign-

4AE5-D+ 4AH5-B+ 8E32-E 8E32-M 4A35-8+ 4AE5-3+ 8EB2-E 4AH6-C+ 44E6-C+ 4AH6-C+ 8E32-M 4AH6-D+

8EB2-E

8EB2-M

2GS3

2GS2-M

6EB2-E

6EB2-M

4AH6-D+

4A56-D+

4436-D+

4AE6-D+

4<u>AH6-C+</u>

4AH6-C+

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#### ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

DEC 2 9 1983

- 7.2 Technical Service Descriptions for Special Access Service-(Continued) | Public Service Commission
- 7.2.1 Analog Services-(Continued)
- B. Voice Grade Services-(Continued)
  - 10. Voice Grade 10 (VG10) Special Access Service-(Continued)
    - d. Transmission Performance-(Continued)
      - Loss Variation
        - The long term loss variation from the nominal 1004 Hz EML shall not exceed +4 dB.
      - Attenuation Distortion

The attenuation distortion between 404 Hz and 2804 Hz shall be within -2.0 dB and +10.0 dB with reference to the loss at 1004 Hz (minus equals less loss, plus equals more loss). The attenuation distortion between 504 Hz and 2504 Hz shall be within -2.0 dB and +8.0 dB with reference to the loss at 1004 Hz. The attenuation distortion between 304 Hz and 3004 Hz shall be within -3.0 dB and +12.0 dB.

- Signal-to-C Notch Noise

.The Signal-to-C Notch noise ratio shall not be less than 24 dB.

- Envelope Delay Distortion

The Envelope Delay Distortion (EDD) shall not exceed 1750 microseconds between 800 and 2600 Hz.

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except for the purpose of canceling this tariff.	Ist Revised Sheet 53 Replacing Original Sheet 53
(CP)ACCESS SERVICES	
7. SPECIAL ACCESS SERVICE-(Continued)	JUN 2 7 1986
7.3 Channel Interface and Network Channel Codes-(Co	I INI2200KI
7.3.5 Compatible Channel Interfaces-(Continued)	Public Service Commission

C. Voice Grade-(Continued)

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4AH6-C+	4PR2	2CT3	8eb2-M	2DB2	2N02
4AH6-D+	4PR2		2	4DB2	2N02
h		2013	8EC2	4DB2	4NO2
4AE5-B+	2772-T			4DB2	4N02-S
4AH6-C+	2RV2-T	2013	4SF2		
4 <u>A</u> 26-D+	23V2-T			2DB3 -	2PR2
4AH5-B+	4772-T	2DA2	2DA2	4DB2	2PR2
4AH6-C+	4RV2-T	4DA2	2DA2	4DB2	4PR2
4анб-D+	4RV2-T	4DA2-S	2DA2		
		4DA2	4DA2	4003	2DE2
4AH5-B+	2TF2	4DA2	4DA2-S	4003	4DE2
4 <u>AH6-</u> C+	2TF2	4DA2-S	4DA2-S		
4анб-D+	2TF2	6DA2	2DA2	4DS9 <b>-</b> ₹	4AB2
4AH5-B+	4TF2	6da2-s	2DA2		
4AE6-C+	4TF2	6DA2	4DA2	4DS9-#	2402
4AB6-D+	4TF2	6DA2	4DA2-S	4DS9*-	2AC2-R
		6DA2-S	4DA2	4DS9-*	4AC2
2013	2013	6DA2-S	4DA2-S	4DS9-*	4AC2-R
		6DA2	6DA2		
		6DA2	6DA2-S	4DS9 <b>-</b> ª	2013
2CT3	4DX2	6DA2-S	6da2-s	-	-
-				4DS9	2DA2
2CT3	<sup>4</sup> EA2-E	2DB2	2DA2	4DS9	4DA2
2013	4EA2-M	4DB2	2DA2	4DS9*	4DA2-S
2CT3	6EA2-E	4DB2	4DA2	4DS9-*	6DA2
2CT3	6EA2-M	4D82	4DA2-S	4DS9_=	6DA2-S
-		4DB2	6DA2		
2CT3	6EB2-E	4DB2	6DA2-S	4DS9-=	4DB2 500 50
2CT3	6EB2-M			4DS9_*	2DE2 IT UIL IS UI
2CT3	8EB2-E	4DB2	4D82	4DS9_# .	4DE2
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\* 4DS9-15, 4DS9-31, 4DS0-63, 4DS6,44, 4DS6-27

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#### Access Services Tariff Section 7. Original Sheet 53

#### ACCESS SERVICES

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- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service (Continued)OMMISSION
  - 7.2.1 Analog Services-(Continued)
  - B. Voice Grade Services-(Continued)
    - 10. Voice Grade 10 (VG10) Special Access Service-(Continued)
      - d. Transmission Performance-(Continued)
        - Impulse Noise

The number of impulse noise counts exceeding a threshold of 71 dBrnCO in 15 minutes shall be less than 15.

- Intermodulation Distortion

The intermodulation distortion based upon the four-tone method shall be such that R2 is not less than 27 dB and R3 not less than 32 dB.

- Phase Jitter

The phase jitter over 20-300 Hz shall not exceed 10° peak-topeak and over 4-300 Hz shall not exceed 15° peak-to-peak.

- Frequency Shift

The frequency shift shall not exceed +3 Hz.

Available Facility Interface Combinations е.

VG10 is available only with specific facility interface combinations as set forth in Paragraph 7.2.1, B.14., following. 1711LE

GANGELLED JUL 1 1986 PUBLIC SERVICE COMMISSION

OF MISSOURI

JAN - 1 1984

Issued: DEC 2 9 1983

JAN 0 1 1984 Effective:

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

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Access Services Tariff Section 7 1st Revised Sheet 54 Replacing Original Sheet 54

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MISSUURI Public Service Commission

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(CP)ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Channel Interface and Network Channel Codes-(Continued) JUN 27 1986

7.3.5 Compatible Channel Interfaces-(Continued)

C. Voice Grade-(Continued)

	Compatib	le CI3	Compatio	le CIs	Compatib	<u>le CIs</u>
	4059-*	4DX2	4DS9-*	2L03	4DX2	6EA2-E
					4DX2	6EA2-M
	4DS9	4DY2	4DS9-*	2L.72		
			4DS9-*	4LR2		
					4DX2	6E32-E
			4DS9-*	2LS2	4DX2	6eb2-M
			4DS9-*	2L32-M	4DX2	8EB2-E
	4DS9-*	42A2-E	4DS9-*	2LS3	4DX2	8EB2-M
	4DS9_ *	4EA2-M		2LS3-M		
	4DS9*	6EA2-E	4DS9 <b>-</b> ₽	4LS2	4DX2	8EC2
	4DS9-*	6EA2-M	· · · •	·		
			4DS9_*	2802	4DX2	2LS2
			4DS9-	4N02		
	4059-*	6EB2-E	4DS9-*	4N02-S	4DX2	2RV2-T
	4DS9_*	6EB2-M	•		4DX2	4RV2-T
	4DS9-*	8E32-E	4DS9	2932		
	4DS9	8232-M	4DS9-#	4PR2	4DX2	4SF2
	-	_	•			
	4DS9	2603	4DS9-*	28V2-T	6EA2-E	4DY2
		-	4DS9	4RV2-T	6EA2-M	4DY2
	4DS9-#	2GS2				
	4DS9	2GS2-M	4DS9_=	4SF2		
	4DS9-*	2GS3				
	4DS9_#	2GS3-C	4DS9	2TF2		
	4DS9-*	2GS3-M	4DS9-*	4TF2		
	4DS9-#	4GS2				
	4DS9_#	6GS2	4DX2	4DX2	4EA2-E	4EA2-E
					4EA2-E	4EA2-M
	4DS9-#	2LA2	4DX2	4DY2	4EA2-M	4EA2-M
	4DS9-#	2LB2			6EA2-E	4EA2-E
	-		4DX2	4EA2-E		-4EA2-M
	4DS9 <b>-</b> ≇	2LC2	4DX2	4EA2-M	•••••• ••·	
					6EA2-M	HEAZENLED
						·
					<b>۱</b> .	Juit 1 1986
	·		• • • · - ·	<b>.</b>	N.	
* 4DS9-15, 4D	89-31, 4DS	0-63, 4DS	6,44, 4DS	6,27	1	86-84 Printic Service Commission
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Issued: JUN 2	c / 1986		E.	TIELLIVE:		
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St. Louis, Missouri

### Access Services Tariff Section 7 Original Sheet 54

#### ACCESS SERVICES

## DEC 20 (00)

7. SPECIAL ACCESS SERVICE-(Continued)

LISSGIRI

- 7.2 Technical Service Descriptions for Special Access Service- (Continued) Commission
  - 7.2.1 Analog Services-(Continued)
  - B. Voice Grade Services-(Continued)
    - 11. Voice Grade 11 (VG11) Special Access Service Reserved For Future Use
    - 12. Voice Grade 12 (VG12) Special Access Service Reserved For Future Use
    - 13. Voice Grade 13 (VG13) Special Access Service

Reserved For Future Use

Truck ... GANGELLED JUL 1 1986 C BY SERVICE COMMISSION PHAL OF MISSOURI Effective: JAN 0 1 1984 Issued: DEC 2 9 1983

No supplement to this tariff will be issued except for the purpose of canceling this tariff.		cess Services Tariff Section 7 2nd Revised Sheet 55 1st-Revised-Sheet-55 
(CP)AG	CESS SERVICES	REGEIVED
7. SPECIAL ACCESS SERVICE-(Contin		JUN 27 1986
7.3 Channel Interface and Netwo	rk Channel Codes-(Continued	) MISSUNKI
7.3.5 Compatible Channel Interf	aces-(Continued)	Public Service Commission

C. Voice Grade-(Continued)

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<u>Compatibl</u>	le CI3	<u>Compatib</u>	<u>le CIs</u>	Compatib	le_CIs
6EA2-M 6EA2-E	4EA2-M 6EA2-E	4EA2-E 4EA2-M	4SF2 4SF2	8eb2-M	4RV2-T
6EA2-E	6EA2-M	6EA2-E	4SF2	6232-E	4SF2
6EA2-M	6EA2-M	6EA2-M	45F2	6232-M	4SF2
olaz-m	UEAZ-A	ULAL-II		8EB2-E	4SF2
				8EB2-M	4SF2
*		8EB2-E	4012	0202-0	
	(	•		BEC2	4072
4EA2-E	6EB2-Z	8E32-M	4DY2	3562	4012
4EA2-E	6EB2-M				
4EA2-M	6EB2-2			2700	4EA2-E
4E12-M	6EB2-M			82C2	
4EA2-E	8E32-2	8EB2-E	4EA2-E	8EC2	4EA2-M
4EA2-E	8EB2-M	SEB2-E	HEA2-M	8EC2	6EA2-E
4EA2-M	8EB2-E	8E35-W	LEA2-E	8EC2	6EA2-M
4EA2-M	8EB2-M	8eb2-M	4ea2-m		
6EA2-E	6EB2-E		_		
6EA2-E	6E32-M	6EB2-2	6EB2-E	8EC2	6E32-E
6EA2-M	6EB2-2	6EB2-E	6EB2-M	8EC2	6EB2-M
6EA2-M	6E32-M	6EB2-M	6E32-M	8EC2	8EB2-E
6EA2-E	8EB2-E	8E32-E	6EB2-E	8EC2	8EB2-M
6EA2-E	8E32-M	8E32-E	6232 <b>-</b> M		
6EA2-M	8E32-E	8E32-M	62B2-2	6EX2-B	2G02
6EA2-M	8E32-M	8EB2-M	6eb2-M	6EX2-3	2G03
		8582-E	8E32-E		
		8E32-E	8E32-M	6ex2-A	2GS2
		8EB2-M	8E32-M	6EX2-A	2GS2-M
6EA2-E	2LS2			6ex2-a	2GS3
6EA2-M	2LS2	8E32-E	2LS2	6e72-a	2GS3-C
		8EB2-M	2LS2	6EX2-A	2GS3-M
6EA2-E	2872-T			6EX2-A	
6EA2-M	2RV2-T	8EB2-E	2RV2-T	6EX2-A	
SEA2-E	4RV2-T	8eb2-M	2RV2-T	•	
6EA2-M	4RV2-T	8EB2-E	4RV2-T	6EX2-3	2LA2 111 1 1986
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Issued: JUN 27 1986

Effective: JUL 1 1986

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Access Services Tariff Section 7 1st Revised Sheet 55 Replacing Original Sheet 55

#### ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued) 7.

Voice Grade Services-(Continued)

- 7.2 Technical Service Descriptions for Special Access Service-(Continued) [E]| 7.2.1 Analog Services-(Continued) AUG 1 C 1924
  - 14. Available Facility Interface (FI) Combinations

EISSOURI Public Service Commission

The following table shows the available FI combinations and the Voice Grade Services with which they may be ordered.



Access Services Tariff Section 7 Original Sheet 55

#### ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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

7.2.1 Analog Services-(Continued)

- B. Voice Grade Services-(Continued)
  - 14. Available Facility Interface (FI) Combinations

The following table shows the available FI combinations and the Voice Grade Services with which they may be ordered.

FI Comb	inations	Voice Grade Service (VG)	
IC	End User	<u>1 2 3 4 5 6 7 8 9 10 LEO 2 13</u> RANGELLEO 2 13	
4AB2	4AC2		
4AB2	2AC2	x 0CT 1 5 1984	
4AH6-D(1)	4AC2	x int Ur 5,5	
4AH6-D(1)	2AC2	X	
4AH6-C(1)	4AC2	X BY BY COMMISSION	
4AH6-C(1)	2AC2	X PUBLIC SERVICE	
4AH5-B(1)	4AC2	X	
4AH5-B(1)	2AC2	X	
4AH6-D(1)	6DA2	x	
4AH6-C(1)	6DA2	X X	
4AH5-B(1)	6DA2	x x	
4AH6-D(1)	4DE2	. X	
4AH6-C(1)	4DE2	X	
4AH5-B(1)	4DE2	X	

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

Issued: DEC 29 1983

Effective: JAN 0 1 1984

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No supplement to this tariff will be issued	Access Services Tariff Section 7
except for the purpose of canceling this tariff. Replacing	2nd Revised Sheet 56
or cancering this tariri. Replacing	ng 1st_Revised_Sheet_56
(CP)ACCESS SERVICES	REGEIVED
7. SPECIAL ACCESS SERVICE-(Continued)	JUN 2 7 1986
7.3 Channel Interface and Network Channel Codes-(Continu	ti '
7.3.5 Compatible Channel Interfaces-(Continued)	NISSUUKI Public Service Commission

C. Voice Grade-(Continued)

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<u>Compatib</u>	<u>le CIs</u>	<u>Compati</u>	ble CIs	Compatib	le CIS
6EX2-B	2LB2	2L02	2LS2	4102	2DA2
		21.02	21.53	4N02-S	2DA2
6EX2-8	2LC2	2L03	2LS2	4NCZ	4DA2
		4102	2L.S2	4102	4DA2-5
		41.02	2LS2-M	4N02-S	4DA2
5EX2-B	2L03	4L02	2LS3	4N02-S	4DA2-S
		4L02	2LS3-M	4NO2	6DA2
6EX2-B	2LR2	4L02	4LS2	4N02	6DA2-S
6EX2-B	4L.R2	-202	· 1 Jugard 64	4N02-S	6DA2
		2LR2	2LR2	4N02-S	6DA2-S
6ex2-a	2LS2	4LR2	2LR2	41102-0	52A2-5
6EX2-A	2LS2-M	4LR2	4LR2	4N02	2DE2
6EX2-A	2LS3			4N02-S	2DE2
6EX2-A	21.53-M	2LS2	2602	4102-5	4DE2
6EX2-A	4LS2	2LS2	4602	4N02-S	4DE2
		2LS3	2002		
2602	2GS2	2LS3	4602	2N02	2NO2
2002	2053-C	4LS2	2602	2N03	2NO2
2603	2622	4L.S2	4602	2N02	4N02-S
2603	2GS3			4N02	2NO2
4G02	2652	2LS2	2LA2	4102	4NO2
4G02	2GS2-M	4LS2	21.12	4NO2	4N02-S
4G02	2GS3			4NC2-S	4NC2-S
4602	2683-C	2LS2	21.82		· · · · · · · · · · · · · · · · · · ·
4G02	2GS3-M	4LS2	2L32	2N03	2PR2
4G02	4GS2			4N02	4PR2
4602	6 <b>G</b> S2	21.S2	2LC2		
		4LS2	2LC2	4872-0	2RV2-T
4GS2	2G02			4772-0	4RV2-T
4GS2	2003	<b>4LS2</b>	2L02		
		4LS2	2L03	4SF2	2402
2GS2	2L02		_	4SF2	2AC2-R <sup>-</sup> 5 1
2GS2	41.02	2N02	2DA2	4SF2	4AC2 1
2GS3-C	2L02	2N02	4DA2	4SF2	4AC2-R 4 4000
2653-C	4602	2N02	4DA2-S		4AC2-R 1 1986
4GS2	2L02	2N02	6DA2	4SF2	4DY2 86-84
4GS2	4102	2N02	6DA2-S		
				4sf2	2G03E SERVICE JOMMISSION
			<del></del>		

Issued: JUN 27 1986

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JUL 1 1986 Effective:

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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.

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lst l	Revi <i>s</i> ed	Sheet	56
Replacing O	riginal	Sheet	56

#### ACCESS SERVICES

#### SPECIAL ACCESS SERVICE-(Continued) 7.

7.2 Technical Service Descriptions for Special Access Service (Continued)	
7.2.1 Analog Services-(Continued)	ň,
B. Voice Grade Services+(Continued) AUG 1 1020	
14. Available Facility Interface (FI) Combinations-(Continued) $ S_{i}(U) $	L

FI Comb	FI Combinations							ombinations Voice Gr							ade	nmission
IC	End User	1	2	3	4	5	6	7	8	<u>rv1</u> <u>9</u>	10	<u>11</u>	12	13		
	(DX 0	_	_	_	_	_	_	_	_	*7						
4AH6-D(1)	4DX2									Х						
4AH6-C(1)	4DX 2									X						
4AH5-B(1)	4DX 2									Х						
6 ATT6 D(1)	00020			X				x	х							
4AH6-D(1)	9DY2								-							
4AH6-D(1)	6DY2			X				X	X							
4AH6-D(1)	4DY2			Х				X	Х							
4AH6-C(1)	9DY2			Х				X	Х							
4AH6-C(1)	6DY2			X				X	X							
4AH6-C(1)	4DY2			X				Х	X							
4AH5-B(1)	9DY2			Х				X	X							
4AH5-B(1)	6dy2			Х				Х	Х							
4AH5-B(1)	4DY2			X				X	X							
(ATT6 D/1)	0540			v				v	v							
4AH6-D(1)	9EA2			X				X	X							
4AH6-D(1)	6EA2-E			Х				Х	Х							
4AH6-D(1)	6EA2-M			X				Х	X	X						
4AH6-D(1)	4EA2~E			X				X	Х							



(1) Available only to IC's selecting the multiplexed four-wine-High-Gapacity analog facility interface option at the IC Terminal location and subsequent system and channel assignment data. <del>CCT</del> 1904 TOIssued: AUG 1 5 1984 Effective: OCT 1 5 1984 By R. D. BARRON, President-Missouri Division Southwestern Boll Trice Southwestern Bell Telephone Company St. Louis, Missouri

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Access Services Tariff Section 7 Original Sheet 56

#### ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued) 7.

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

7.2.1 Analog Services-(Continued)

B. Voice Grade Services-(Continued)

FI Combinations Voice Grade Service (VG) End User <u>12</u> 13 IC 2 3 4 <u>5</u> 6 78 9 10 11 4AH5-D(1)4DX2 Х 4DX2 Х 4AH6-C(1)4AH5 - B(1)4DX2 Х 9DY2 Х ХХ 4AH6-D(1)4AH6-D(1)6DY2 Х Х Х BANBELLED 4DY2 Х Х 4AH6-D(1)Х Х 9DY2 4AH6-C(1)Х Х 4AH6-C(1)6DY2 067 <sup>L 5</sup> 1984 4AH6-C(1)4DY2 Х Х Х Х 9DY2 Х 4AH5 - B(1)Х Х 4AH5 - B(1)6DY2 Х 4AH5-B(1)4DY2 Х Х Х PUBLIC SERVICE COMMISS BY Х 4AH6-D(1)9EA2 Х Х Х Х 4AH6-D(1)6EA2-E Х 4AH6-D(1)6EA2-M Х Х Х Х Х Х 4AH6-D(1) 4EA2-E Х

14. Available Facility Interface (FI) Combinations-(Continued)

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

Issued: DEC 29 1983

Effective: JAN 0 1 1984

Access Services Tariff Section 7 2nd Revised Sheet 57 Replacing 1st Revised Sheet 57

# (CP)ACCESS SERVICES 7. SPECIAL ACCESS SERVICE-(Continued) 7.3 Channel Interface and Network Channel Codes-(Continued) JUN 2 7 1986 7.3.5 Compatible Channel Interfaces-(Continued) MISSUUKI C. Voice Grade-(Continued) Public Service Commission

<u>Compati</u>	ble CIs
4572	2GS2
4SF2	2GS2-M
4SF2	2GS3
4SF2	2GS3-C
4SF2	2G\$3-M
4SF2	4GS2
4SF2	6GS2
4SF2	2LA2
4SF2	2L32
4S72	21.02
4SF2	2L03
4SF2	2LR2
4SF2	4LR2
4SF2	2LS2
4SF2	2LS2-M
<sup>4</sup> SF2	2LS3
4SF2	2LS3-M
4SF2	4LS2
4SF2	2RV2-T
4SF2	4RV2-T
2TF3	2TF2
4TF2	2TF2
4TF2	4TF2

### Issued: JUN 27 1986

Effective: JUL 1 1986

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

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P.S.C. Mo.-No. 36 No supplement to this Access Services Tariff Section 7 tariff will be issued 1st Revised Sheet 57 except for the purpose of canceling this tariff. Replacing Original Sheet 57 ACCESS SERVICES 7. SPECIAL ACCESS SERVICE-(Continued) Technical Service Descriptions for Special Access Service-(Continued) 7.2 7.2.1 Analog Services-(Continued) AUG 1 -1 100 -1 Voice Grade Services-(Continued) Β. MISSUUR Available Facility Interface (FI) Combinations-(Continued) #1050041 FUDIC Service Commission FI Combinations Voice Grade Service-(VG) 14. End User 8 10 12 13 IC 3 <u>7</u> 9 11 2 4 5 <u>6</u> Х 4AH6-D(1)4EA2-M X Х 9EA2 X X X 4AH6-C(1)X 6EA2-E X Х 4AH6-C(1)4AH6-C(1)6EA2-M Х Х Х Х X 4EA2-E X X 4AH6-C(1)4AH6-C(1)4EA2-M Х Х Х 9EA2 Х Х Х 4AH5-B(1)6EA2-E X X χ 4AH5-B(1) 6EA2-M X Х Х Х 4AH5 - B(1)X Х Х 4EA2-E 4AH5-B(1) Х Х 4AH5 - B(1)4EA2-M Х 8EB 2-E х Х 4AH6-D(1)х X Х X X 4AH6-D(1)8EB 2--M 4AH6-D(1)6EB 2-E Х Х Х 4AH6-D(1)6EB 2-M X X X 8EB 2-E X Х Х 4AH6-C(1)Х X X 4AH6-C(1)8EB 2-M Х Х X X 6EB 2-E 4AH6-C(1)X Х Х 4AH6-C(1)6EB 2-M X X 8EB 2-E Х 4AH5-B(1) X Х X Х 4AH5 - B(1)8EB 2--M X 4AH5-B(1) 6EB 2-E X GANGEL 4AH5-B(1) 6EB 2-M 4AH6-D(1)2GO 2 Х 1986 2GO 2 Х 4AH6-C(1)յսլ 1 X 4AH5 - B(1)2GO 2 6GS2(2)PUBLIC SERVICE COMMISSION (AT) 4AH6~D(1) 4AH6-D(1)4GS2 OF MISSOURI X 4AH6-D(1)2GS3 Х X Х 4AH6-D(1)2GS 2 X (1) Available only to IC's selecting the multiplexed four-wire <u>High Capacity</u> analog facility interface option at the IC Terminal location and providing \_T210 subsequent system and channel assignment data. (2) This facility interface combination is applicable with Centrex C.O. Service only. 001 5 1 1984 AUG 1 5 1984 Issued: Effective: OCT 1 5 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 57

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#### ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
  - 7.2.1 Analog Services-(Continued)
  - B. Voice Grade Services-(Continued)

14. Available Facility Interface (FI) Combinations-(Continued)

FI Comb	inations				Vo	ice	Gr	ade	Se	rvi	ce <sup>-</sup> (	VG)		
IC	End User	1	2	3	4	5	6	<u> </u>	8	2	<u>10</u>	11	<u>12</u>	13
(AUG .D(1)	. ATAO M			v				v	v			-		
4AH6-D(1)	4EA2-M			X				X	X				•	
4AH6-C(1)	9EA2			X				X	X					
4AH6-C(1)	6EA2-E			X				X	X					
4AH6-C(1)	6EA2-M			Х				Х	X	X				
4AH6-C(1)	4EA2-E			X				X	Х					
4AH6-C(1)	4EA2-M			Х				Х	Х					
4AH5-B(1)	9EA2			X				Х	Х					
4AH5~B(1)	6EA2-E			Х				Х	X					
4AH5-B(1)	6EA2-M			X				Х	Х	Х				
4AH5-B(1)	4EA2-E			Х				Х	Х					
4AH5-B(1)	4EA2-M			Х		•		Х	Х					
4AH6-D(1)	8EB2-E			х				x	x					
4AH6-D(1)	8EB2-M			Х				Х	Х	Х				
4AH6-D(1)	6EB2-E			Х				X	Х					
4AH6-D(1)	6EB2-M			X				X	X					
4AH6-C(1)	8EB2-E			Х				Х	X					
4AH6-C(1)	8EB2-M			Х				Х	Х	X				
4AH6-C(1)	6EB2-E			Х				Х	Х					
4AH6-C(1)	6EB2-M			Х				Х	X					
4AH5-B(1)	8EB2-E			X				Х	Х					
4AH5-B(1)	8EB2-M			Х			аſ	2 M	X	Х				
4AH5-B(1)	6EB2-E		~	nixi	aF	311 '	ILI	弘	) <sub>X</sub>		•			
4AH5-B(1)	6EB2-M		BR		ডার	50		X	X					
4AH6-D(1)	2602	X		oſ	TI	51	1981	ł	1					
4AH6-C(1)	2G02	Х		Û	Ľ	N		6	/			1		
4AH5-B(1)	2G02	Х		18	1	K	نيد		ION			}	12	14,
4AH6-D(1)	4 <b>G</b> S2		BY -	ALLS.	SERV	ICE (	OURI OURI	X				17.M	-1	íse .
4AH6-D(1)	2GS3			X	Ψr			X				<u> </u>		253
4AH6-D(1)	2GS2	х		x				X		,		83	- 4	
				-^						. *	• • <u>1</u>	" n		•

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

Issued: DEC 2 9 1983

Effective: JAN 0 1 1984

Access Services Tariff Section 7 4th Revised Sheet 58 Replacing 3rd Revised Sheet 58 Through 1st Revised Sheet 61 Original Sheet 62 FECCIVED

#### ACCESS SERVICES

OCT 2 3 1987

7. SPECIAL ACCESS SERVICE-(Continued)

- 7.3 Channel Interface and Network Channel Codes-(Continued) MISSOURI Fublic Service Commission 7.3.5 Compatible Channel Interfaces-(Continued)
  - C. Voice Grade-(Continued)

WAL Serving Office Supervisory Signaling	Available WAL Channel Interfaces
	· · · ·
LO	2LS2, 2LS3, 4LS2, 4DS9-15, 4DS9-31, 4DS0-63, 4DS6-44, 4DS6-27
GO	2GS2, 2GS3, 2GS3-C, 4GS2, 4GS2-C, 4DS9-15, 4DS9-31, 4DS0-63, 4DS6-44, 4DS6-27

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FEB 1 1988

Public Service Commission

1988

Issued: OCT 2 3 1987

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

Effective:

	No supplement to this tariff will be issued except for the purpose of canceling this tariff.		ccess Services Tariff Section 7 3rd Revised Sheet 58 2nd Revised Sheet 58
	A	CCESS SERVICES	RECEIVED
ř.	7. SPECIAL ACCESS SERVICE-(Con	tinued)	OCT 1 3 1987
	7.3 Channel Interface and Net 7.3.5 Compatible Channel Inte		a) MISSOURI Public Service Commissior
	C. Voice Grade-(Continued)		· -
(AT)	WAL Serving Office Supervisory Signaling	Available WA Channel Interfa	
	LO	2LS2, 2LS3, 4L 4DS9-15, 4DS9-3 4DS0-63, 4DS6-4 4DS6-27	31,
(AT)	GO	2GS2, 2GS3, 2G 4GS2, 4GS2-C, 4 4DS9-31, 4DS0- 4DS6-44, 4DS6-3	4DS9-15, 63,
		FEB 1 1988 BY 40 A STISS Public Service Commission MISSOURI	n
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OCT 16 1987 TO-87-42 Public Service Commission

Issued: OCT 1 4 1987

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Effective: OCT 1 6 1987

Access Services Tariff No supplement to this Section 7 tariff will be issued except for the purpose 2nd Revised Sheet 58 Replacing 1st Revised Sheet 58 of canceling this tariff. Through 1st Revised Sheet 61 - Original Sheet-62 Eß R 5 1210 (CP)ACCESS SERVICES SPECIAL ACCESS SERVICE-(Continued) 7. JUN 27 1986 7.3 Channel Interface and Network Channel Codes-(Continued) MISSUURI 7.3.5 Compatible Channel Interfaces-(Continued) Public Service Commission C. Voice Grade-(Continued)

(RT)

CANCELLED OCT 16 1987 BY 386 PS: Public Service Commission MISSOURI



St. Louis, Missouri

P.S.C. Mo.-No. 36 No supplement to this Access Services Tariff tariff will be issued Section 7 except for the purpose lst Revised Sheet 58 of canceling this tariff. Replacing Original Sheet 58 ACCESS SERVICES 7. SPECIAL ACCESS SERVICE-(Continued) Technical Service Descriptions for Special Access Service- (Cont 7.2 7.2.1 Analog Services-(Continued) AUG 1 4 1004 Β. Voice Grade Services-(Continued) Available Facility Interface (FI) Combinations-(Continued) [[]]SOUR 14. Voice Grade Servicer (NG)/ice Commission FI Combinations IC End User 2 3 7 8 5 <u>6</u> AT) 4AH6-C(1)6GS2(2)X Х 4AH6-C(1)4GS2 X X 4AH6-C(1)2GS3 X X 4AH6-C(1)2GS 2 Х X X (AT) 4AH5 - B(1)6GS2(2)X X Χ 4AH5-B(1)4GS2 Х Х 4AH5 - B(1)2GS3 Х 4AH5-B(1)2GS 2 X Х Х 4AH6-D(1)2LA2 Х Х 4AH6-C(1)2LA2 Х Х 4AH5-B(1)2LA2 Х Х 4AH6-D(1)2LB2 Х X 4AH6-C(1)Х Х 2LB2 4AH5 - B(1)2LB2 X Х Х Х 4AH6-D(1)21C2 4AH6-C(1)2LC2 Х X 4AH5 - B(1)2LC2 X X 4AH6-D(1)2L03 Х Х 4AH6-D(1)2L02 Х 4AH6-C(1)2L03 Х X 4AH6-C(1)2L02 Х ×GANCELLED 4AH5 - B(1)2L03 4AH5 - B(1)X 2L02 4AH6 - D(1)4LR2 Х 1111 1 1986 4AH6 - D(1)2LR2 X 4AH6-C(1)4LR2 4AH6-C(1)2LR 2 PUBLIC SERVICE COMMISSION 4LR2 4AH5 - B(1)X OF MISSOURI X 4AH5 - B(1)2LR2 (1) Available only to IC's selecting the multiplexed four-wire High Capacity 200 analog facility interface option at the IC Terminal location and providing subsequent system and channel assignment data. OCT 15 1984 (2) This facility interface combination is applicable with Centrex C.O. Service only. Effective: OCT 1 5 1989 Public Service Commission Issued: AUG 1 5 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

- 7. SPECIAL ACCESS SERVICE-(Continued)
  - tinued)
- 7.2 Technical Service Descriptions for Special Access Service-(Continued)URI Public Service Commission
- 7.2.1 Analog Services-(Continued)
- B. Voice Grade Services-(Continued)
  - 14. Available Facility Interface (FI) Combinations-(Continued)

IC	inations End User	1	2	3	4	5	6	7	8	9	<u>ce (</u> 10	11	12	13
		-	-	÷	-	-	<u> </u>	÷	-	-				
AH6-C(1)	4GS2			X				Х						
4AH6-C(1)	2GS3			Х				X						
4AH6-C(1)	2GS2	X		X				X						
4AH5-B(1)	4GS2			Х				Х						
4AH5-B(1)	2GS3			Х				Х						
4AH5-B(1)	2GS2	Х		X				х						
4AH6-D(1)	21.A2		X					x						
4AH6-C(1)	2LA2		Х					X						
4AH5-B(1)	2LA2		X					х					. n fi	2 161
4AH6-D(1)	2LB2		X					х	ſ	ē [V]	NN 1	图		5U
4AH6-C(1)	2LB2		Х					Х	U	ديمارو	50 -			
4AH5-B(1)	2LB2		X					Х			- Э.С.	[15	1984	4
4AH6-D(1)	2LC2		X					X			sto	N/	5	∕\
4AH6-C(1)	2LC2		X					Х		^  به	11	2	COM	NISSION
4AH5-B(1)	2LC2		X					Х		PUB	LIC SE	OF M	SSOUN	
4AH6-D(1)	2L03		X				Х							
4AH6-D(1)	2L02	Х												
4AH6-C(1)	2L03		X				X							
4AH6-C(1)	2L02	Х		٠										
4AH5-B(1)	2L03		Х				X							
4AH5-B(1)	2L02	X												
4AH6-D(1)	4LR2		x									+- · "		
4AH6-D(1)	2LR2		X						į				j2	ı
4AH6-C(1)	4LR2		Х						1					
4AH6-C(1)	2LR2	•	Х								민진	11	1 60	١
4AH5-B(1)	4LR2		Ϋ́Χ						1	•		<b>.</b>		_
4AH5-B(1)	2LR2		Х							<b>_</b>		53	- 2	53

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

Issued: DEC 2 9 1983

Effective: JAN 0 1 1984

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

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Original Sheet 58

Section 7

Access Services Tariff

Access Services Tariff Section 7 1st Revised Sheet 59 Replacing Original Sheet 59

#### ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

7.2 Technical Service Descriptions for Special Access Service-(Continued) AUG 10 2004

- 7.2.1 Analog Services-(Continued)
- B. Voice Grade Services-(Continued)

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14. Available Facility Interface (FI) Combinations-(Continued)

		FI Comb IC	inations End User	1	2	3	<u>Vo</u> 4	ice 5	Gr 6	ade 7	Se 8	rvi 9	<u>ce (</u> 10	<u>VG)</u> 11	12	13	
			End oser	<u> </u>	-	2	Ξ	2	<u>~</u>	<u>-</u>	ž	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
*		4AH6-D(1)	4LS 2		X	X				Х							
		4AH6-D(1)	2LS 2	X	X	X				X	X						
		4AH6-D(1)	2LS 3		X	Х				х							
		4AH6-C(1)	4LS 2		Х	X				Х							
		4AH6-C(1)	2LS 2	X	Х	X				X	Х						
		4AH6-C(1)	2LS 3		X	Х				Х							
(RT)																	
_		4AH5-B(1)	4LS2		X	Х				Х							
		4AH5-B(1)	2LS 2	X	X	Х				Х	X						
		4AH5-B(1)	2LS 3		X	X				X							
		4AH6-D(1)	4NO2	X	X			х	X	x		X					
		4AH6-D(1)	<b>2N</b> O2	Х	X			Х		Х							
		4AH6-C(1)	4NO2	X	X			Х	X	X		Х					
		4AH6-C(1)	2NO2	X	X			Х		X							
		4AH5-B(1)	4NO2	Х	Х			Х	Х	Х		Х					
		4AH5-B(1)	2NO2	X	X			Х		X							
		4AH6-D(1)	4RV2-T			x				Х							
(RT)		4AH6-D(1)	2RV2-T			Х											
-		4AH6-C(1)	4RV2-T			X				X							
RT)		4AH6-C(1)	2RV2-T			X											
		4AH5-B(1)	4RV2-T			X	~ ~	- <b></b>	ה ה	sXI	า ก	R	ត្រ				
(RT)		4AH5-B(1)	2RV2-T			X	G	ALA	၂၂	Ê	Լև	5E	U,				
										1	100	ц L					
								Jļ	ĬΓ	T	198	0					
								30	3	0 <		8					
							BYC	<u>1'</u> C		2-	<u>ب د</u>						
	(1)						PUB	uc s	SERV	ICE (		MS		151	ת חו	210	
		lable only to		-			-						-			2U	j
		og facility in equent system							1115	at 1	loca					-	
-	SUDS	equent system	and channel	42215	giner	.1L C	1916	1.						OC I	15	1934	1
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			Southwester														
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Access Services Tariff Section 7 Original Sheet 59 (1) 送び回しいに

#### ACCESS SERVICES

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- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service-(Continued) Commission
  - 7.2.1 Analog Services-(Continued)
  - B. Voice Grade Services-(Continued)
    - FI Combinations Voice Grade Service (VG) End User IC 2 3 4 <u>6</u> <u>7</u> 8 9 12 13 1 5 10 11 4AH6-D(1)4LS2 Х Х Х 4AH6-D(1)2LS2 ХХ Х X Х 4AH6-D(1) 2LS3 X Х Х ХХ Х 4AH6-C(1) 4LS2 GANGELLED 2LS2 4AH6-C(1)XXX Х Х 4AH6-C(1)2LS3 Х Х Х 4AH5 - B(1)6LS2 Х X Х QCT 1 5 1984 4LS2 Х 4AH5 - B(1)Х Х 4AH5-B(1)2LS2 ХХ Х Х Χ. 4AH5-B(1)2LS3 Х Х Х X PUBLIC SERVICE COMMISSION 4AH6-D(1)4N02 Х X XXX of Missouri 2NC2 ХХ 4AH6-D(1)Х Х 4AH6-C(1)4N02 х х Х Х Х Х 4AH6-C(1)2NO2 ХХ Х Х ХХ XX 4AH5 - B(1)4N02 X Х 4AH5 - B(1)2NO2 х х Х X 4AH6-D(1)4RV2-T Х Х 4AH6-D(1). 2RV2-T Х Х 4AH6-C(1)4RV2-T Х х 4AH6-C(1)2RV2-T Х Х 4AH5-B(1)Х 4RV2-T Х Х 1, 7 4AH5-B(1)2RV2-T Х
    - 14. Available Facility Interface (FI) Combinations-(Continued)

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

Issued: DEC 2 9 1983

Effective: JAN 0 1 1984
•	No suppleme tariff will except for of cancelin	be issued the purpose				Rep1	lst l	Services Tariff Section 7 Revised Sheet 60 riginal Sheet 60
			ACC	ESS SERVIC	ES			
	7. SPECIAL	ACCESS SER	VICE-(Continu	ied)				AUG 1 1 (00 )
•	7.2 Techn	ical Servic	e Description	ns for Spec	ial Ac	cess S	ervice-	(Continued)
	7.2.1 An	alog Servic	es-(Continued	1)			Pu	Iblic Service Commission
	B. Voic	e Grade Ser	vices-(Contin	nued)				
	14.	Available	Facility Inte	erface (FI)	Combi	nation	s-(Cont:	inued)
•		FI Comb	inations End User	1 2 3	Voice 4 5	Grade 67	Servic	e (VG) 10 11 12 13
(RT)			<u>Dird Ober</u>		<u> </u>	<u> </u>	<u> </u>	
1 (RT)								
(AT)		4DB 2	2DA2		x			
(AT)		4DB 2 2DB 2 (2)	4DA2 2DA2		X X	X X		X
		4DB 2	6DA2			x		x
(AT)		2DB 2	2NO2		X	••		
(AT)		4DB 2 4DB 2	4NO2 2NO2		х	X		
		4DD3	4DE 2		x			
(CT)		4DD3	2DE 2		X			
		4DS9(1)	4AC2	x				
		4DS9(1)	2AC2	X				
		4DS9(1)	6DA2			х		X
AT)		4DS9(1)	4DA2		X	X		
(AT)		4DS9(1)	2DA2		X	_		
(AT)		4DS9(1) 4DS9(1)	4DE 2 2DE 2	GANC		LED		
		4DS9(1)	4DX 2	JUL	1 198	36	x	
				and	sr c	58		
(AT)	<pre>(1) See Par (2) For VG- point c</pre>	agraph 7.3. 6, availabl fircuits.	3, following, e only when r	BY <u>fortlexfra</u> to legs at	ensegge	d to e	xisting	「5111」」「15日) OCT 15 1984
-	Issued: A	UG 1 5 1984		Effec	tive:	OCT	1 5 198	blic Service Commission
		By R	. D. BARRON, Southwestern			ri Div	ision	

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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

#### 7. SPECIAL ACCESS SERVICE-(Continued)

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

- 7.2.1 Analog Services-(Continued)
- B. Voice Grade Services-(Continued)

14. Available Facility Interface (FI) Combinations-(Continued)

	binations							_			<u>ce (</u>			
IC	End User	<u>1</u>	2	<u>3</u>	4	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>
6DA2	6DA2										X			
6DA2	4DA2										Х			
4DA2	6DA2										Х			
4DA2	4DA2										Х			
4DB2	6DA2						X				X			
4DB2	4N02						X							
4DD3	4DE2		,			х			•					
2DD3	2DE2					X								
4DS9(1)	4AC2	х												
4DS9(1)	2AC2	X												
4DS9(1)	6DA2						x				X			
4DS9(1)	4DE2					x								
4DS9(1)	4DX2			•	E	<i>î</i> î				х				
		n @	E	Pl	5E	9								
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		۲9.									8	33.	- 2 ;	53
									•	1.	Sec. 5		a <b>Co</b> r	

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

Effective: JAN 0 1 1984

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

Issued:

<sup>1</sup>: DEC 2 9 1983

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Access Services Tariff

Original Sheet 60

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Section 7

Public Service Commission

Access Services Tariff Section 7 lst Revised Sheet 61 Replacing Original Sheet 61 EGEIVED ACCESS SERVICES 7. SPECIAL ACCESS SERVICE-(Continued) AUG 1-1 124 7.2 Technical Service Descriptions for Special Access Service-(Continued) 1.11SSOURI 7.2.1 Analog Services-(Continued) Cublic Service Commission

B. Voice Grade Services-(Continued)

		FI Com												
		IC	End User	1	2 3	<u>4</u> <u>5</u>	6		<u> </u>	10	11	12	13	
		4DS9(1)	9DY2		x			X	x					
		4DS9(1)	6DY2		X				ĸ					
		4DS9(1)	4DY2		X				x					
		4DS9(1)	9EA2		x			x	x					
		4DS9(1) 4DS9(1)	6EA2-E		X				X					
		4DS9(1) 4DS9(1)	6EA2-M		x				r X X					
		4DS9(1)	4EA2-E		x				X					
		4DS9(1)	4EA2-M		X				X					
		4DS9(1)	8EB 2-E		x			x	X					
		4DS9(1)	8EB 2-M		Х			X	x x					
		4DS9(1)	6EB 2-E		Х				X					
		4DS9(1)	6EB 2-M		X				X					
		4DS9(1)	2602	X										
(AT)		4DS9(1)	6GS2(2)		x			x						
		4DS9(1)	4GS2		Х			X						
		4DS9(1)	2GS2	X	X			X						
		4DS9(1)	2683		X			X						
(CT)		4DS9(1)	2LB 2	:	х			X						
(CT)		4DS9(1)	2LA2	į	ña N		n n	12	ÌÌ					
(CT)		4DS9(1)	2LC2		Mey RA X			X	y					
					JŲ	L1	<u> 1</u> 986	)						
					9 m	PO	<b>^</b>	- 1						
(AT)	(1) See P (2) This	aragraph 7.3	.3, followin erface combi	g, fo <b>b</b>		natio		<u>58</u>					ED	1
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		Ву	R. D. BARRON											
			Southweste		l Tele s, Mis			pany						
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14. Available Facility Interface (FI) Combinations-(Continued)

No supplement to this tariff will be issued	Access Services Tariff Section 7
except for the purpose of canceling this tariff.	今でPiginal Sheet 61 にしてらいでたり)
ACCESS SERVICES	DEC 20 103
7. SPECIAL ACCESS SERVICE-(Continued)	
7.2 Technical Service Descriptions for Special Acc	essPSérvice- (Continued)
7.2.1 Analog Services-(Continued)	

B. Voice Grade Services-(Continued)

FI Com	binations				Vo	ice	Gr	ade	Se	rvi	.ce (	VG)		
IC	End User	1	2	3	4	<u>5</u>	<u>6</u>	7	8	<u>9</u>	10	<u>11</u>	12	13
4DS9(1)	9DY2			Х				Х	X					
4DS9(1)	6DY2			X				x	X					
4DS9(1)	4DY2			X				X	X					
4DS9(1)	9EA2			X				X	X					
4DS9(1)	6EA2-E			Х				X	X					
4DS9(1)	6EA2-M			X				х	X	Х				
4DS9(1)	4EA2-E			X				Х	х					
4DS9(1)	4EA2-M			x				x	X					
4DS9(1)	8EB2-E			x				X	X					
4DS9(1)	8EB2-M			X				X	х	X				
4DS9(1)	6EB2-E			х				х	Х				•	
4DS9(1)	6eb2-m			X				X	X					
4DS9(1)	2602	X											- 5	R
4DS9(1)	4GS2			x				x		ര	NN	1 M		LED
4DS9(1)	2GS2	X		Х				Х		ড	NC)	J@4		
4DS9(1)	2GS3			X		•		Х			ſ	CT D	51:	J84
4DS9(1)	2LB2	x						X			100	K. 14	IC –	6
4DS9(1)	2LA2	x						x		8 1		, SERV	ICE CO	DMMISSION
4DS9(1)	2LC2	X						Х					Г.	<u></u>
											8	_	-1	1934) 1934) 193

14. Available Facility Interface (FI) Combinations-(Continued)



Issued: DEC 2 9 1983

Effective: JAN 0 1 1984

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Access Services Tariff Section 7 1 Original Sheet 62 いちのにしてい

DEC 28 (203

#### ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued) 7.

E.SSOURI 7.2 Technical Service Descriptions for Special Access Service loira: noize: niñi

Available Facility Interface (FI) Combinations-(Continued)

7.2.1 Analog Services-(Continued)

Voice Grade Services-(Continued) Β.

- FI Combinations Voice Grade Service (VG) IC End User 1 2 3 <u>4 5 6 7 8 9 10 11</u> 12 13 4DS9(1) 2L02 Х 2L03 4DS9(1)Х Х 4DS9(1)4LR2 Х 4DS9(1) Х 2LR2 4DS9(1)4LS2 ХХ Х 4DS9(1)2LS2 XXX X X Х 4DS9(1)2LS3 X х 4DS9(1)4N02 ХХ XXX Х хх Х Х 4DS9(1)2N02 4DS9(1)4RV2-T Х Х 4DS9(1)2RV2-T Х Х 4DX2 4DX2 Х

GANGELLED JAN 71 (\$34 1986 83-253 PUBLIC SERVICE 1.50.011 (1) See Paragraph 7.3.3, following, for explanation. DEC 2 9 1983 Issued: 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 Ist Revised Sheet 63 Replacing Original Sheet 63

#### (CP)ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued) 7. 7.3 Channel Interface and Network Channel Codes-(Continued) REGEIVED 7.3.5 Compatible Channel Interfaces-(Continued) JUN 2 7 1986 D. Program Audio MISSUURI Companying Service Commission Compatible CI's -Compatible CI's 4DS9-15F(1) 2PG2-5 4AH5-B(2)2PG1-3 4AH6-D(2)2PG1-3 4AH5 - B(2)4AH6-D(2)4DS9-15G(1) 2PG2-8 2PG1-5 2PG1-5 4AH5-B(2)2PG1-8 4AH6-D(2)2PG1-8 4DS9-15H(1) 2PG2-1 4AH5 - B(2)2PG2-3 4AH6-D(2) 2PG2-3 2PG2-1 2PG1-1 4AH5-B(2)2PG2-1 2PG2-1 2PG2-5 4AH6-D(2) 2PG2-5 4AH5-B(2)2PG2-3 2PG1-3 2PG2-8 4AH6-D(2) 2PG2-8 4AH6-C(2)2PG1-3 4DS9-15E(1) 2PG1-3 2PG2-3 2PG2-3 4AH6-C(2)4DS9-15F(1) 2PG1-5 2PG2-5 2PG1-5 2PG1-5 4AH6-C(2)4DS9-15G(1) 2PG1-8 2PG2-5 2PG1-8 2PG2-5 4AH6-C(2)2PG2-3 4DS9-15H(1) 2PG1-1 2PG2-8 2PG1-8 4AH6-C(2)2PG2-5 4DS9-15E(1) 2PG2-3 2PG2-8 2PG2-8 4AH6-C(2)2PG2-8 2PG1-1 2PG1-1 2PG1-3 2PG1-3 2PG1-5 2PG1-5 2PG1-8 2PG1-8

(1) Available to customers selecting the multiplexed four-wire DSX-channel interface option and providing subsequent system and channel assignment data

(2) Available to customers selecting the multiplexed four-wire high capacity analog channel interface option and providing subsequent system and channel assignment data.

86-84 Supply Seauce Commission

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Issued: JUN 27 1986

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Access Services Tariff Section 7 Original Sheet 63

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#### ACCESS SERVICES

14. Available Facility Interface (FI) Combinations-(Continued)

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Technical Service Descriptions for Special Access Service: Kontinued Ommission

7.2.1 Analog Services-(Continued)

B. Voice Grade Services-(Continued)

FI Combinations Voice Grade Service (VG) IC End User 1 2 3 4 5 <u>6</u> 7 11 12 13 8 9 10 9DY2 4DX2 Х X х 4DX2 6DY2 Х Х Х 4DX2 Х Х 4DY2 Х 4DX2 9EA2 Х Х х 4DX2 X 6EA2-E Х X 4DX2 6EA2-M х X X Х 4DX2 4EA2-E Х Х X 4DX2 Χ X X 4EA2-M 4DX2 8EB2-E Х Х Х 4DX2 ххх 8EB2-M Х 4DX2 6EB2-E X Х X 4DX2 6EB2-M X X X 4DX2 Х 2LS2 4DX2 4RV2-T Х X 4DX2 2RV2-T Х Х

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Issued: DEC 2 9 1983

Effective: JAN 0 1 1984

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Public Service Commission

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# (CP)ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Channel Interface and Network Channel Codes-(Continued
  - 7.3.5 Compatible Channel Interfaces-(Continued)
  - E. Wideband Analog

 Compatible CI's

 4AH5-B
 4AH5-B

 4AH6-C(1)
 4AH5-B

 4AH6-C
 4AH6-C

 4AH6-D(1)
 4AH5-B

 4AH6-D(1)
 4AH6-C

Compatible CI's 4WD5-3 4WA5-2

4WA5-2 4WA5-2



(1) Available to customers selecting the multiplexed four-wire high capacity analog channel interface option and providing subsequent system and channel assignment data.

Issued: JUN 27 1980

Effective: JUL 1 1986

Access Services Tariff Section 7 Ist Revised Sheet 64 Replacing Original Sheet 64

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#### ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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

7.2.1 Analog Services-(Continued)

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B. Voice Grade Services-(Continued)

14. Available Facility Interface (FI) Combinations-(Continued)-

FI Con	FI Combinations IC End User				Voice Grade Serv							vice (VG)					
IC	End User	1	2	3	4	5	6	7	8	2	10	11	12	13			
6EA2-E	4DX 2									X							
6EA2-M	4DX 2									X							
6EA 2-E	9DY2			x				x	x								
6EA2-E	6DY2			x				x	X								
6EA2-E	4DY2			X				X	X								
6EA2-M	9DY2			х				x	x								
6EA2-M	6DY2			X				X	X								
6EA2-M	4DY2			X				Х	X								
6EA2-E	9EA2			X				X	Х								
6EA2-M	9EA2			X				X	X								
6EA2-E	6EA2-E			X				Х	Х								
6EA2-E	6EA2-M			X				X	X	X							
6EA2-M	6EA2-E			X				Х	Х								
6EA2-M	6EA2-M			Х				Х	Х	Х							
6EA2-E	4EA2-E			Х				Х	X								
6EA2-E	4EA2-M			X				Х	X								
6ea2-m	4EA2-E			X				X	X								
6EA2-M	4EA2-M			X				X	X								
				BA	[N]	6	<u></u>	Ŀ	2	D							



Public Service Commission

Effective: OCT 1 5 1984

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

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#### ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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Access Services Tariff

Section 7

- 7.2 Technical Service Descriptions for Special Access Service-(Continued) Public Service Commission
- 7.2.1 Analog Services-(Continued)
  - B. Voice Grade Services-(Continued)

IC	mbinations End User	1	2	3	4	5	6	7	8	9	<u>ce (</u> 10	11	12	13
	1-22-24													
6EA2-E	4DX2									Х				
6EA2-M	4DX2									Х				
6EA2-E	9DY2			X				X	х					
6EA2-E	6DY2			X				Х	Х					
6EA2-E	4DY2			X				Х	X			•		
												_	n E	IM.
6EA2-M	9DY2			X				х	Х		<u>л (</u> б)	围	166	30
6EA2-M	6DY2			x				x	R	IN!	1.11	) <b>'5</b> ''	500	
6EA2-M	4DY2			X				X X	Æ	دیٹا (	00 -		u/	L
6EA2-M	2DY2			X	۰.			x	x		<sup>−</sup>	115	190-	`/
6EA2-E	2DY2			X				X	X		$0^{\circ}$	.A/		L
				4					4		4t,	ph	0	
6EA2-E	9EA2			X				X	X	DN		ERVICI	ECON	WI3.
6ea2-m	9EA2			X				Х	X	້ອປ	BLIC 5	OFM	155001	1
6EA2-E	6EA2-E			X				Х	X	• -				
6EA2-E	6EA2-M			X				X	X	Х				
6EA2-M	6EA2-E			X				Х	Х					
6EA2-M	6EA2-M			X				Х	X	х				
6EA2-E	4EA2-E			Х				Х	X					
6EA2-E	4EA2-M			х				х	X					
6EA2-M	4EA2-E			X				х	Х					
6EA2-M	4EA2-M			X				X	Х					

14. Available Facility Interface (FI) Combinations-(Continued)

Issued:

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#### (CP)ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Channel Interface and Network Channel Codes-(Continued)
- 7.3.5 Compatible Channel Interfaces-(Continued)
- F. Wideband Data

Compati	ble CI's	Compati	ble CI's	Compatib	<u>le CI's</u>
8WB5-18S 8WB5-19A 8WB5-19S 10WC6-19 10WC6-23	12WC6-18 10WC6-19 12WC6-19 10WC6-19 10WC6-23	8WB5-23A 8WB5-23S 8WB5-40S 12WC6-18 12WC6-19	10WC6-23 12WC6-23S 12WC6-40 12WC6-18 12WC6-19	8WB5-50A 8WB5-50S 12WC6-40 12WC6-50	10WC6-50 12WC6-50 12WC6-40 12WC6-30
10WC6-50	10WC6-50	12WC6-23S	12WC6-23S		



Issued: JUN 27 1986

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Effective: JUL 1 1988

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Access Services Tarifi Section 7 1st Revised Sheet 65 Replacing Original Sheet 65

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# ACCESS SERVICES

#### 7. SPECIAL ACCESS SERVICE-(Continued)

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

- 7.2.1 Analog Services-(Continued)
- B. Voice Grade Services-(Continued)
  - 14. Available Facility Interface (FI) Combinations-(Continued) Service Commission

FI Con	FI Combinations				Vo	ice	Gr	ade	Se	rvi	ce (	VG)		
IC	End User	1	2	3	4	5	6	7	8	9	10	11	12	13
6EA2-E	8EB 2-E			Х				Х	Х					
6EA2-E	8EB 2-M			X				Х	X	X				
6EA2-E	6EB 2-E			X				X	X					
6EA2-E	6EB 2-M			Х				X	X					
6EA2-M	8EB 2-E			Х				X	Х					
6EA2-M	8EB 2-M			X				Х	Х	X				
6EA2-M	6EB 2-E			Х				X	Х					
6EA2-M	6EB 2-M			X				X	X					
6EA2-E	2LS 2								Х					
6EA2-M	2LS 2								X					
6EA2-E	4RV2-T			x				x						
6EA2-M	4RV2-1 4RV2-T			X				x						
6EA2-E	2RV2-T			x				X						
								X						
6EA2-M	2RV2-T			X				X						

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Access Services Tariff

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

# ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued) 7.

7.2 Technical Service Descriptions for Special Access Service Continued)

7.2.1 Analog Services-(Continued)

B. Voice Grade Services-(Continued)

14. Available Facility Interface (FI) Combinations-(Continued)

FI Con	nbinations				Vo	ice	Gr	ade	Se	rvi	ce (	VG)		
IC	End User	1	2	3	4	5	6	7	8	9	10	11	12	13
							_			_				
6EA2-E	8EB2-E			Х				Х	Х					
6EA2-E	8EB2-M			Х				Х	Х	Х				
6EA2-E	6EB2-E			Х				Х	Х					
6EA2-E	6EB2-M			· X				Х	Х					
6EA2-M	8EB2-E			Х				Х	Х					
6EA2-M	8EB2-M			Х	•			Х	Х	Х				
6EA2-M	6EB2-E			Х				Х	Х					
6EA2-M	6EB2-M			Х				Х	Х					
6EA2-E	4RV2-T			Х				X						
6EA2-M	4RV2-T			Х				Х						
6EA2-E	2RV2-T			Х				Х						
6EA2-M	2RV2-T			Х				X						
								R	TRI					
					~ 6	NR?	N 1	112	<u>y</u>					
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MISSUUKI Public Service Commission

#### (CP)ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Channel Interface and Network Channel Codes-(Continued)
- 7.3.5 Compatible Channel Interfaces-(Continued)
- G. Digital Data

Compatible CI's	Compatib	ole CI's	Compatible CI's						
4DS9-15(1) 4DU5-24 4DS9-15(1) 4DU5-48 4DS9-15(1) 4DU5-56 4DS9-15(1) 4DU5-96	4DU5-24 4DU5-48 4DU5-56	4DU5-24 4DU5-48 4DU5-56	4DU5-96	4DU5-96					

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(1) Available to customers selecting the multiplexed four-wire DSX channel interface option and providing subsequent system and channel assignment data.

Issued: JUN 27 1986

Effective: JUL 1 1986

Access Services Tariff Section 7 Ist Revised Sheet 66 Replacing Original Sheet 66

# ACCESS SERVICES

#### SPECIAL ACCESS SERVICE-(Continued)

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

- 7.2.1 Analog Services-(Continued)
- B. Voice Grade Services-(Continued)

Enssouri Public Service Commission

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14. Available Facility Interface (FI) Combinations-(Continued)

FC Com	FC Combinations				Vo	íce	Gr	ade	Se	rvi	ce (	VG)		
IC	End User	1	2	3	4	5	6	7	8	9	10	11	12	13
8EB 2-E	4DX 2									x				
8EB 2-M	4DX2									X				
8EB 2-E	9DY2			X				X	x					
8EB 2-E	6DY2			X				X	X					
8EB 2-E	4DY2			x				x	x					
8EB 2-M	9DY2			X				х	X					
8EB 2-M	6DY2			Х				х	X					
8EB 2-M	4DY2			X				X	Х					
8EB 2-E	9EA2			Х				Х	x					
8EB 2-M	9EA2			X				Х	Х					
8EB 2-E	6EA2-E			X				Х	Х					
8EB 2-E	6EA2-M			Х				Х	Х	Х				
8EB 2-M	6EA2-E			Х				Х	Х					
8EB 2-M	6EA2-M			X				Х	X	X				
8EB 2-E	4EA2-E			Х				X	Х					
8EB 2-E	4EA2-M			Х				Х	Х					
8EB 2-M	4EA2-E			X				X	X					
8EB 2-M	4EA2-M			X				X	Х					

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OCT 15 1984

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Issued: AUS 1 5 1984

# Effective: OCT 1 5 1984 Public Service Commission

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



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# Original Sheet 66

### ACCESS SERVICES

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Section 7

Access Services Tariff

#### 7. SPECIAL ACCESS SERVICE-(Continued)

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

7.2.1 Analog Services-(Continued)

B. Voice Grade Services-(Continued)

FC Con	binations				Vo	ice	Gr	ade	Se	rvi	ce (	VG)		
IC	End User	ī	2	3	4	5	6	7	8	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>
8EB2-E	4DX2									X				
8EB2-M	4DX2									X				
8EB2-E	9DY2			х				х	X					
8EB2-E	6DY2			X				Х	Х					
8EB2-E	4DY2			Х				Х	Х					
8EB2-M	9DY2			Х				Х	Х					
8EB2-M	6DY2			Х				Х	X					
8EB2-M	4DY2			Х				Х	Х					
8EB2-M	2DY2.			X				X	X					
8EB2-E	9EA2			x				х	Х					
8EB2-M	9EA2			X				Х	Х			•		
8EB2-E	6EA2-E			X				Х	Х					
8EB2-E	6EA2-M			Х				Х	Х	X				
8EB2-M	6EA2-E			X				Х	Х					
8EB2-M	6EA2-M			Х				X	X	Х				
8EB2-E	4EA2-E			Х				Х	Х					
8EB2-E	4EA2-M			X				Х	Х					-
8EB2-M	4EA2-E			Х				Х	X					
8EB2-M	4EA2-M			X				Х	X					

14. Available Facility Interface (FI) Combinations-(Continued)



Issued:

a: DEC 2 9 1983

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	of canceling this tariff. (CP)ACCESS SERVICES	Replacing	BECEIVED
)	7. SPECIAL ACCESS SERVICE-(Continued)	ł	JUN 2 7 1986
	7.3 Channel Interface and Network Channel Codes-	(Continue	<sup>a)</sup> WISSUUKI
	7.3.5 Compatible Channel Interfaces-(Continued)		Public Service Commission
	H. High Capacity		

Compatib	le CI's
4DS0-63	4DS0-63
4DS6-27	4DS6-27
4DS6-44	4DS6-44
4DS9-15	4DS9-15
4DU9-A	4DS9-15J
4DU9-A	4DU9-A
4DU9-B	4DS9-15
4DU9-B	4DU9-B
4DU9-C	4DS9-15K
4DU9-C	4DU9-C

.R.M. 1. 1986 86-84 To Service Commission  $\tilde{\mu}_{1}$ 



Effective: JUL 1 1986

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lst Revised Sheet 67
Replacing Original Sheet 67

#### ACCESS SERVICES

#### 7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Technical Service Descriptions for Special Access Service-(Continued) AUU 1 - ....

- 7.2.1 Analog Services-(Continued)
- B. Voice Grade Services-(Continued)

Lassouri Public Service Commission

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14. Available Facility Interface (FI) Combinations-(Continued)

		FI Co	mbinations	Voice	Grade Servi	ice (VG)	
		IC	End User	<u>1 2 3 4 5</u>	<u>6 7 8 9</u>	<u>10 11 12 13</u>	
		8EB 2-E	8EB 2-E	x	x x		
		8EB 2-E	8EB 2~M	X	XXX		
		8EB 2-M	8EB 2-E	X	XX		
		8EB 2-M	8EB 2-M	X	X X X		
(CT)		8EB 2-E	6EB 2 – E	x	X		
<u> </u>		8EB 2-E	6EB 2M	X	Х		
		8EB 2-M	6EB 2-E	Х	X		
		8EB 2-M	6EB 2-M	X	X		
		8EB 2-E	4RV2-T	X	X		
		8EB 2-M	4RV2-T	Х	Х		
		8EB 2-E	2RV2-T	Х	Х		
		8EB 2-M	2RV2-T	X	X		
		8EC2	9DY2	X	хх		
		8EC2	6DY2	X	ХХ		
		8EC2	4DY2	Х	ХХ		
(RT)							
		8EC2	9EA2	X	x x		
		8EC2	6EA2-E	Х	ХХ		
		8EC2	6EA2-M	X	ХХ		
		8EC2	4EA2-E	X	X X		
		8EC2	4EA2-M	GANG			
		8EC2	8EB 2-E	X	ХХ		
		8EC2	8EB 2-M	XJUL1	1986 x		
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				President-Missou	ri Division		
		29		n Bell Telephone			
			St.	Louis, Missouri			

Access Services Tariff

Original Sheet 67

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Public Service Commission

Section 7

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

#### ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

DEC 20 (00) 7.2 Technical Service Descriptions for Special Access Service-(Continued)

7.2.1 Analog Services-(Continued)

B. Voice Grade Services-(Continued)

FI Combinations Voice Grade Service (VG) IC End User 1 2 3 4 <u>5</u> 6 7 8 12 13 9 10 11 8EB2-E 8EB2-E Х Х X 8EB2-E 8EB2-M Х Х X Х Х Х 8EB2-M 8EB2-E Х 8EB2-M 8EB2-M Х Х XX 6EB2-E 8EB2-E Х Х 6EB2-E 8EB2-M Х X 6EB2-M Х Х 8EB2-E GANGELLED Х 6EB2-M 8EB2-M Х 8EB2-E 4RV2-T Х Х DET 1 5 1984 8EB2-M 4RV2-T Х X 8EB2-E 2RV2-T Х Х 8EB2-M 2RV2-T Х X X9Y LIC SERVICE COMMISSION 8EC2 9DY2 Х Х 8EC2 6DY2 Х Х **8EC2** 4DY2 Х X Х Х 8EC2 2DY2 Х Х 8EC2 9EA2 Х Х Х 8EC2 6EA2-E Х Х X 8EC2 Х 6EA2-M Х Х 8EC2 Х 4EA2-E Х Х Х Х 8EC2 4EA2-M Х il 12 ... 8EC2 8EB2-E Х Х X 8EC2 8EB2-M Х X X 83-253 

14. Available Facility Interface (FI) Combinations-(Continued)

Issued: DEC 2 9 1983

2 9 1983

Effective: JAN 0 1 1984

Access Services Tariff Section 7 5th Revised Sheet 68 Replacing 4th Revised Sheet 68

#### ACCESS SERVICES

#### 7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations

This section contains the specific regulations governing the rates and charges that apply for Special Access Service.

7.3.1 Types of Rates and Charges

There are two types of rates and charges. These are monthly rates and nonrecurring charges. The rates and charges are described as follows:

A. Monthly Rates

Monthly rates are flat recurring rates that apply each month or fraction thereof that a Special Access Service is provided. For billing purposes, each month is considered to have 30 days.

B. Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for specific work activities (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for Special Access Service are: installation of service, installation of optional features, BSEs and functions and service rearrangements.

1. Installation of Service

Nonrecurring charges apply to each service installed. The nonrecurring charges for the installation of service are set forth in Paragraph 7.4, following, as a nonrecurring charge for the Channel Termination rate element and are applied per circuit on a first and additional basis for each service ordered. The initial circuit incurs the first nonrecurring charge for each channel termination associated with that circuit. Each subsequent circuit incurs the additional nonrecurring charge for each channel termination associated with that additional circuit.

In order to receive the benefit associated with ordering multiple circuits, the following criteria must be met:

- Same Access Service Order
- Same Application for Service Date
- Same Due Date
- Identical Services
- Same Billing Account Number (BAN)
- Same Originating and Terminating Customer Designated Premises



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Access Services Tariff Section 7 4th Revised Sheet 68 Replacing 3rd Revised Sheet 68

#### ACCESS SERVICES

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- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Rate Regulations

MISSOURI

Public Service Commission This section contains the specific regulations governing the rates and charges that apply for Special Access Service.

7.3.1 Types of Rates and Charges

There are two types of rates and charges. These are monthly rates and nonrecurring charges. The rates and charges are described as follows:

A. Monthly Rates

Monthly rates are flat recurring rates that apply each month or 093 fraction thereof that a Special Access Service is provided 11 or (\*) billing purposes, each month is considered to have 30 dates billing purposes, each month is considered to have 30 days. The R. Nonrecurring Charges

B. Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for specific work activities (i.e., installation or change to an existing Access Service are: install feature features and functions and service rearrangements.

1. Installation of Service

Nonrecurring charges apply to each service installed. The nonrecurring charges for the installation of service are set forth in Paragraph 7.4, following, as a nonrecurring charge for the Channel Termination rate element and are applied per circuit on a first and additional basis for each service ordered. The initial circuit incurs the first nonrecurring charge for each channel termination associated with that circuit. Each subsequent circuit incurs the additional nonrecurring charge for each channel termination associated with that additional circuit.

In order to receive the benefit associated with ordering multiple circuits, the following criteria must be met:

- Same Access Service Order
- Same Application for Service Date
- Same Due Date -
- Identical Services
- Same Billing Account Number (BAN)
- Same Originating and Terminating Customer Designated Premises

FILED

SEP 3 0 1991

Issued: AUG 0 9 1991

(AT)

Effective: Public Service Commis -SEP-1-9-1991

By R. D. BARRON, President-Missouri Division SEP 3 0 1991 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 68 Replacing 2nd Revised Sheet 68

#### ACCESS SERVICES

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/. SPECIAL ACCESS SERVICE-(Continued)

(F() 7.3 Rate Regulations

MISSOURI

SEP 2 5 1989

This section contains the specific regulations governing the endies and mission charges that apply for Special Access Service.

#### (F(') 7.3.1 Types of Rates and Charges

There are two types of rates and charges. These are monthly rates and nonrecurring charges. The rates and charges are described as follows:

A. Monthly Rates

(F()

Montly rates are flat recurring rates that apply each month or fraction thereof that a Special Access Service is provided. For billing purposes, each month is considered to have 30 days.

B. Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for specific work activities (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for Special Access Service are: installation of service, installation of optional features and functions and service rearrangements.

1. Installation of Service

Nonrecurring charges apply to each service installed. The nonrecurring charges for the installation of service are set forth in Paragraph 7.4, following, as a nonrecurring charge for the Channel Termination rate element.

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SEP 3 0 1991 BY 4 R.S. 68 Public Service Commission MISSOURI

FILED

<u>OCT 1 1989</u>

Issued: SEP 2 5 1989

Effective: OCT 1 Public Service Commission.

No supplement to this	Access Services Tariff
tariff will be issued except for the purpose	Section 7
of canceling this tariff.	Replacing 1st Revised Sheet 68
(CP)ACCESS SERVICES	
7. SPECIAL ACCESS SERVICE-(Continued)	JUN 2 7 1986
7.4 Rate Regulations	MISSUUKI
This section contains the specific regula	Public Service Commission

This section contains the specific regulations governing charges that apply for Special Access Service.

7.4.1 Types of Rates and Charges

There are two types of rates and charges. These are monthly rates and nonrecurring charges. The rates and charges are described as follows:

A. Monthly Rates

Montly rates are flat recurring rates that apply each month or fraction thereof that a Special Access Service is provided. For billing purposes, each month is considered to have 30 days.

B. Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for specific work activities (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for Special Access Service are: installation of service, installation of optional features and functions and service rearrangements.

1. Installation of Service

Nonrecurring charges apply to each service installed. The nonrecurring charges for the installation of service are set forth in Paragraph 7.5, following, as a nonrecurring charge for the Channel Termination rate element.

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FNED **JUL 1** 1986 **86-84**. Public Service Commission

Issued: JUN 27 1986 Effective: JUL 1 1986

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Access Services Tariff Section 7 Ist Revised Sheet 68 Replacing Original Sheet 68

#### ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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

- 7.2.1 Analog Services-(Continued)
- B. Voice Grade Services-(Continued)

- MISSUURI
  - Public Service Commission

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14. Available Facility Interface (FI) Combinations-(Continued)

	FI Com		Voice Grade Service (VG)										
	IC	End User	<u>1</u>	2	<u>3 4</u>	<u>5</u> <u>6</u>	7	8	9	10	11	<u>12</u>	13
	8EC2 8EC2	6ЕВ 2-Е 6ЕВ 2-М			X X		X X	X X					
	6EX2-A	6GS2(1)			X		X						
	6EX2-A	4GS2	\$7		X		X						
	6EX2-A	2GS2	X		Х		х						
	6EX2-A	2GS 3			X		X						
	6EX2-B	2LA2		X			X						
	6EX2-B	2LB 2		X			X						
	6EX2-B	2LC2		X			X						
	6EX2-B	2L02	x										
	6EX2-B	2LO3		X			X						
	6EX2-A	4LS2		X	X		Х						
	6EX2-A	2LS 2	X	X X	X X		X X						
	6EX2-A	2LS 3		Λ		നക		n	រតាទ				
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					BY 2m	$\geq R$	S	68				300	I I I I I I I I I I I I I I I I I I I
		terface combin	nation	is	Puppers	BRICE BRICE	\$¶ souki	He	eatt	ex	c.0	Sei	vice
only.	•											CT 🤅	5 1984
Issued:	AUG 1 5 198				fective					Pu	blic	Servi	ce Commi
	Ву	R. D. BARRON Southwester	, Pres	ide	nt-Miss	souri ne Co	Div mpar	isi v	on				
			. Loui					- )					

Access Services Tariff Section 7 Original Sheet 68 同国们自己的

#### ACCESS SERVICES

#### 7. SPECIAL ACCESS SERVICE-(Continued)

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- 7.2 Technical Service Descriptions for Special Access Service-(Continued)<sup>[1]</sup> Public Service Commission
- 7.2.1 Analog Services-(Continued)
  - B. Voice Grade Services-(Continued)

FI Com	oinations				Vo	ice	Gr	ade	Se	rvi	ce (	VG)		
IC	End User	1	2	3	4	5	6	7	8	9	10	<u>11</u>	12	13
8EC2	6EB2-E			X				х	Х					
8EC2	6EB2-M			X				x	X					
6EX2-A	4GS2	x		X				Х						
6EX2-A	2GS2	Х		Х				Х						
6EX2-B	2LA2		X					X						
6EX2-B	2LB2		X					X					a 12'	IM
6EX2-B	2LC2		Х					x	ቤ	a D	1C	EL	LE	U
6EX2-B	2L02	X							${\mathbb U}$	630		<u>، ۲</u>	1484	
6EX2-B	2LO3		X					Х		1	130	7.0	1984	Ø
6EX2-B	4LR2		х							1	ot	KS	_0	ISSION
6EX2-B	2LR2		X						ę		IC SEF	VICE	COMM FOURI	ISSION
6EX2-A	4LS2 -		х	х				Х		3	,	<b>91</b>		
6EX2-A	2LS2	Х	Х	Х				Х						
6EX2-A	2LS3		Х	X				Х						

14. Available Facility Interface (FI) Combinations-(Continued)



Issued: DEC 2 9 1983

Effective: JAN 0 1 1984

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

.

Access Services Tariff Section 7 6th Revised Sheet 69 Replacing 5th Revised Sheet 69

#### ACCESS SERVICES

## 7. SPECIAL ACCESS SERVICE-(Continued)

- 7.3 Rate Regulations-(Continued)
- 7.3.1 Types of Rates and Charges-(Continued)
- B. Nonrecurring Charges-(Continued)
- 2. Installation of Optional Features, BSEs and Functions

Nonrecurring charges apply for the installation of some of the optional features, BSEs and functions available with Special Access Service. The charge applies whether the feature, BSE or function is installed coincident with the initial installation of service or at any time subsequent to the installation of service.

The optional features and BSEs for which nonrecurring charges apply are:

- Voice Grade Data Capability
- Voice Grade Improved Attenuation Distortion
- Voice Grade Improved Echo Control
- High Capacity Clear Channel Capability
- Wideband Data Transfer Arrangement
- MegaLink Data Loop Transfer Arrangement
- MegaLink Data Secondary Channel
- High Capacity Automatic Loop Transfer
- High Capacity Transfer Arrangement
- 3. Service Rearrangements

Service Rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements as set forth in Section 5, Paragraph 5.2.6 and 5.2.7, preceding, or a change in the physical location of the point of termination at a customer-designated premises. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts.

Changes in the physical location of the point of termination are treated as moves and are described and charged for as set forth in Paragraph 7.3.5, following.

The charge to the customer for the service rearrangement is dependent on whether the change is administrative only in nature or involves actual physical change to the service.

Certain administrative changes will be made without charge(s) to the customer.

These administrative changes are as follows:



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

Access Services Tariff Section 7 5th Revised Sheet 69 Replacing 4th Revised Sheet 69

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

7.3.1 Types of Rates and Charges-(Continued)

B. Nonrecurring Charges-(Continued)

2. Installation of Optional Features and Functions

- Voice Grade Improved Attenuation Distortion

Nonrecurring charges apply for the installation of some of the optional features and functions available with Special Access Service. The charge applies whether the feature or function is installed coincident with the initial installation of service or at any time subsequent to the installation of service.

The optional features for which nonrecurring charges apply are:

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APR 11 1993 BY 6th R.S. # Public Service Commission

3. Service Rearrangements

- Voice Grade Data Capability

- Voice Grade Improved Echo Control

- MegaLink Data Secondary Channel

- High Capacity Clear Channel Capability - Wideband Data Transfer Arrangement

- MegaLink Data Loop Transfer Arrangement

- High Capacity Automatic Loop Transfer

- High Capacity Transfer Arrangement

Service Rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements as set forth in Section 5, Paragraph 5.2.6 and 5.2.7, preceding, or a change in the physical location of the point of termination at a customer-designated premises. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts.

Changes in the physical location of the point of termination are treated as moves and are described and charged for as set forth in Paragraph 7.3.5, following.

The charge to the customer for the service rearrangement is dependent on whether the change is administrative only in nature or involves actual physical change to the service.

Certain administrative changes will be made without charge(s) to the customer.

SEP 3 0 1991

These administrative changes are as follows: Issued: AUG 0 9 1991 ublic Service Commissic Effective: 128.11070 3 0 1991 By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

AUG 9 1991

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Public Service Commission

No supplement to this tariff will be issued except for the purpose of canceling this tariff. Access Services Tariff Section 7 4th Revised Sheet 69 Replacing 3rd Revised Sheet 69

#### ACCESS SERVICES

- 7.3 Rate Regulations-(Continued)
- 7.3.1 Types of Rates and Charges-(Continued)
- B. Nonrecurring Charges-(Continued)
  - 2. Installation of Optional Features and Functions

Nonrecurring charges apply for the installation of some of the optional features and functions available with Special Access Service. The charge applies whether the feature or function is installed coincident with the initial installation of service or at any time subsequent to the installation of service.

The optional features for which nonrecurring charges apply are:

- Voice Grade Data Capability
   High Capacity Clear Channel Capability
   Wideband Data Transfer Arrangement
- 3. Service Rearrangements

Service Rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period ferminission quirements as set forth in Sections 5.2.5 and 5.2.6 preceding. Used a change in the physical location of the point of termination at a customer-designated premises. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts.

Changes in the physical location of the point of termination are treated as moves and are described and charged for as set forth in 7.3.5 following.

The charge to the customer for the service rearrangement is dependent on whether the change is administrative only in nature or involves actual physical change to the service.

Administrative changes will be made without charge(s) to the customer. Such changes require the continued provision and billing of the Access Service to the same entity (i.e., customer remains responsible for all outstanding indebtedness for the Access Service). Administrative changes are as follows:

Issued: FEB 2 2 1990

Effective: MAR 2 6 1990

FILED

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

MAR 26 1990

Public Service Commission

Received

FEB 20 1990

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Public Service Commission

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No supplement to this Access Services Tariff tariff will be issued Section 7 except for the purpose 3rd Revised Sheet 69 of canceling this tariff. Replacing 2nd Revised Sheet 69 ACCESS SERVICES RECEVED 7. SPECIAL ACCESS SERVICE-(Continued) SEP 2 5 1989 (FC) 7.3 Rate Regulations-(Continued) MISSION  $(F(\cdot))$ 7.3.1 Types of Rates and Charges-(Continued) Public Service Commission B. Nonrecurring Charges-(Continued) 2. Installation of Optional Features and Functions Nonrecurring charges apply for the installation of some of the optional features and functions available with Special Access Service. The charge applies whether the feature or function is installed coincident with the initial installation of service or at any time subsequent to the installation of service. The optional features for which nonrecurring charges apply are: CANCELLED - Voice Grade Data Capability  $(R^{T})$ MAR 26 1990 (RT) BY 4 P.S. #69 - Wideband Data Transfer Arrangement Public Service Commission 3. Service Rearrangements MISSOURI Service Rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements as set forth in Sections 5.2.5 and 5.2.6 preceding, or a change in the physical location of the point of termination at a customer-designated premises. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts. Changes in the physical location of the point of termination are treated as moves and are described and charged for as set forth in (FC) 7.3.5 following. The charge to the customer for the service rearrangement is dependent on whether the change is administrative only in nature or involves actual physical change to the service. Administrative changes will be made without charge(s) to the customer. Such changes require the continued provision and billing of the Access Service to the same entity (i.e., customer remains responsible for all outstanding indebtedness for the Access Service)! FAGministrative changes are as follows: Effective: OCT-1 1989 89-14 Effective: OCT-1blic 989 vice Commission Issued: SEP 2 5 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.

#### (CP)ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rate Regulations-(Continued)
- 7.4.1 Types of Rates and Charges-(Continued)
  - B. Nonrecurring Charges-(Continued)
    - 2. Installation of Optional Features and Functions

Nonrecurring charges apply for the installation of some of the optional features and functions available with Special Access Service. The charge applies whether the feature or function is installed coincident with the initial installation of service or at any time subsequent to the installation of service.

The optional features for which nonrecurring charges apply are:

- Voice Grade Data Capability
- Program Audio Gain Conditioning
- Program Audio Stereo
- Wideband Data Transfer Arrangement
  - Public Service Commission MISSOUH

Access Services Tariff

Replacing\_1st\_Revised\_Sheet\_69\_

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2nd Revised Sheet 69

JUN 27 1986

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Public Service Commission

Section 7

3. Service Rearrangements

Issued: JUN 27 1986

Service Rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements as set forth in Section 5.2.5 and 5.2.6 preceding or a change in the physical location of the point of termination at a customerdesignated premises. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts.

Changes in the physical location of the point of termination are treated as moves and are described and charged for as set forth in 7.4.5 following.

The charge to the customer for the service rearrangement is dependent on whether the change is administrative only in nature or involves actual physical change to the service.

Administrative changes will be made without charge(s) to the customer. Such changes require the continued provision and billing of the Access Service to the same entity (i.e., customer\_remains\_responsible for all outstanding indebtedness for the Access Service). ministrative changes are as follows:

> 86-84 Public Service Commission

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(AT)			AC	CESS S	ERV	VICES	5		
	7. SPECI	AL ACCESS	SERVICE-(Contin	ued)					௫ௐ௮ௐ௶௶ௐௐ
	7.2 Tec	hnical Ser	vice Descriptio	ns for	SF	ecia	al Acc	cess Sei	「別とじとIIV」とし rvice-(Continued)
	7.2.1	Analog Ser	vices-(Continue	d)					AUG 1-1 1224
	B. Voice Grade Services-(Continued)								Elissouri
	14	. Availab	le Facility Int	erface	(F	7I) (	Combir	nations-	- (contribution Sorvice Commission)
		FI C	ombinations			,	Voice	Grade S	Service (VG)
		IC	End User	1	2		4 5		<u>3 9 10 11 12 13</u>
(AT)		4G02	6GS2(1)			X		X	
		4G02	4GS2			X		X	
		4G02	2GS 2	X		X		X	
		4G0 2	2GS 3			X		Х	
(		2GO 2	2GS2	X					
(AT)		2GO 3 2GS 3	2GS 3 2GS 2	X X					
		4GS2	2 <b>G</b> 0 2	x					
		4032 2GS2	2GO 2	X					
-		2652 2653	2GO 2 2GO 2	X					
		4L02	4LS2		х	x		X	
		4L02	2LS 2		X	X		х	
		4L02	2LS 3		X	X		X	
		2L03	2LS 2	Х					
(MT)		<b>2LO</b> 2	2LS 2	X					
		4LR2	4LR2		X				
		4LR2	2LR2		X				
(RT)									
		4LS2	2LA2		X			X	
		4LS2	2LB 2	6	瀏	NI	BEL	LEO	)
		4LS2	2LC2		X	JUL	1 1	986 X	and 100 meters of the second
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	Issued:	AUG 1 5 18	84	<u></u>	Ef:	fect	ive:	<b>OCT</b> 1	5 1984
		В	y R. D. BARRON. Southwester	Presi n Bell	de Te	nt-M elep	íssou hone	ri Divi Company	sion

St. Louis, Missouri

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

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service-(Confinued)
  - 7.2.1 Analog Services-(Continued)
    - B. Voice Grade Services-(Continued)

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Access Services Tariff

Public Service Commission :

14. Available Facility Interface (FI) Combinations-(Continued)

	mbinations				Vo			ade			ce (			
IC	End User	1	<u>2</u>	3	4	5	<u>6</u>	<u>7</u>	8	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>
4G02	4GS2			Х				X						
4G02	2GS2	Х		Х				Х						
4G02	2GS3			Х				Х						
2G02	2GS2	Х												
2GS3	2GS2	X												
4GS2	2602	Х												
2GS2	2G02	Х		'										
2GS3	2602	Х												
4L02	4LS2		Х	x				Х		,				
4L02	2LS2	Х	Х	Х				Х					m 13	RM
4L02	2LS3		X	Х				Х		കി	N N	n s		
2L03	2LS2	Х								U				ED
2L02	2LS2	X									00	TI	5 198	34
											int	5 N	1	19
4LR2	4LR2		X								IM?	= /Ľ	5	Q_
4LR2	2LR2		X							BY.	fur s	ERVIC	ECON	AMISSION
2LR2	2LR2		X							çυ		QF M	ISSOUR	1
4LS2	2LA2		X					X						
4LS2	2LB2		Х					X						
4LS2	2LC2		x					x						•
													[= _;	LED)
														· · · · · · · · · · · · · · · · · · ·

Issued: DEC 2 9 1983

Effective: JAN 0 1 1984

# ACCESS SERVICES

7	SPECIAL	ACCESS	SERVICE-(	(Continued)	۱
1.	DI LCIIIL	ACCLOD	DLK VICL-(	Commucu	,

- 7.3 Rate Regulations-(Continued)
- 7.3.1 Types of Rates and Charges-(Continued)
  - B. Nonrecurring Charges-(Continued)

Issued:	August 9, 1991Effective:September 9, 1991
T)	
T)	-Change of customer Circuit Identification (CKR).
	grade circuits on BAN),
	-Change of Access Carrier Name abbreviation (ACNA), -Change of Billing Account Number (BAN) (e.g., a customer requests to aggregate all voice
	change or combination of changes requested by the customer on the same Access Order and will be charged as set forth in Paragraph 7.4.10.
	A nonrecurring charge will apply per circuit on a first and additional basis for the following
	is required.
	assignment and transfer of facilities, and no physical relocation or rearrangement of the servic
	assumes liability for all current and prior charges for the service(s) and has complied with the regulations and conditions as set forth in Section 2, Paragraph 2.2.1, preceding, for the
	A change in the customer record (i.e., existing access service is provided and billed to a different entity) is considered an administrative service rearrangement when the new customer
Т)	Administrative changes for which nonrecurring charges will apply are set forth as follows:
T)	
	phone number, and -Change of jurisdiction.
	-Change of customer or customer's end user contact name or tele-
Γ)	-Change of customer test line number,
Г) Г)	
	-Change of agency authorization,
	-Change in billing date (name, address or contact name or telephone number),
Γ)	the service,
	-Change of customer or customer's end user premises address when the change of address is not a result of a physical relocation of
	AT&T-Long Lines to AT&T Communications),
	change, but rather the customer of record changes its name (e.g.,
	-Change of customer name, (i.e., the customer of record does not
-	3. Service Rearrangements-(Continued)



Access Services Tariff Section 7 2nd Revised Sheet 69.01 Replacing 1st Revised Sheet 69.01

#### ACCESS SERVICES

7.	SPECIAL	ACCESS	SERVICE-	(Continued	)
•	or pornd	MOODOO	Obit(1±04	( oom exinded	1

- 7.3 Rate Regulations-(Continued)
- 7.3.1 Types of Rates and Charges-(Continued)
  - B. Nonrecurring Charges-(Continued)
    - 3. Service Rearrangements-(Continued)
      - Change of customer name, (i.e., the customer of record does not change, but rather the customer of record changes its name (e.g., AT&T-Long Lines to AT&T Communications).
      - Change of customer or customer's end user premises address when the change of address is not a result of a physical relocation of equipment,
      - Change in billing date (name, address or contact name or telephone number),
      - Change of agency authorization,
      - ~ Change of customer circuit identification,
      - Change of billing account number,
      - Change of customer test line number,
      - Change of customer or customer's end user contact name or ptelephone number, and BY 3 R.S. # 69.01
      - Change of jurisdiction.

Public Service Commission All other service rearrangements will be charged for as follows: MISSOURI

- If the change involves the addition of other customer-designated premises to an existing multipoint service, the nonrecurring charge for the channel termination rate element will apply. The charge(s) will apply only for the location(s) that is being added.
- If the change involves the addition of an optional feature or function which has a separate nonrecurring charge, that nonrecurring charge will apply.
- If the change involves changing the type of signaling on a Voice Grade service, a charge equal to the Voice Grade channel termination rate element nonrecurring charge will apply. The charge will apply per service termination affected.
- For all other changes, including the addition of an optional feature or function without a separate nonrecurring charge or the retermination of Special Access circuits in a Network Reconfiguration Service Hub, a charge equal to a channel termination rate element nonrecurring charge will apply. Only one such charge will apply per service, per change.

Issued: JUN 0 4 1391

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(AT)

Effective: AUG 0 5 1991

FILED

1991

By R. D. BARRON, President-Missouri Division AUG 5 Southwestern Bell Telephone Company St. Louis, Missouri . ublic Service Commission

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MAY 29 1991

MISSOURI Public Service Commission

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ACCESS SERVICES

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

(F() 7.3 Rate Regulations-(Continued)

7. SPECIAL ACCESS SERVICE-(Continued)

в.	Non	Service Rearrangements-(Continued) BY 2ndls 769.01 Public Service Commission
	3.	Service Rearrangements-(ContinentSSOURI
		- Change of customer name, (i.e., the customer of record does not change, but rather the customer of record changes its name (e.g., AT&T-Long Lines to AT&T Communicatons),
		- Change of customer or customer's end user premises address when

Access Services Tariff

1st Revised Sheet 69.01

Replacing Original Sheet 69.01

Section 7

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- Change of customer or customer's the change of address is not a result of a physical relocation of equipment,
- Change in billing date (name, address or contact name or telephone number),

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- Change of agency authorization,

7.3.1 Types of Rates and Charges-(Contabued) 2 1991

- Change of customer circuit identification,
- Change of billing account number,
- Change of customer test line number,
- Change of customer or customer's end user contact name or telephone number, and
- Change of jurisdiction.
- All other service rearrangements will be charged for as follows:
  - If the change involves the addition of other customer-designated premises to an existing multipoint service, the nonrecurring charge for the channel termination rate element will apply. The charge(s) will apply only for the location(s) that is being added.
  - If the change involves the addition of an optional feature or function which has a separate nonrecurring charge, that nonrecurring charge will apply.
  - If the change involves changing the type of signaling on a Voice Grade service, a charge equal to the Voice Grade channel termination rate element nonrecurring charge will apply. The charge will apply per service termination affected.
  - For all other changes, including the addition of an optional feature or function without a separate nonrecurring charge, a charge equal to a channel termination rate element nonrecurring charge will apply. Only one such charge will apply per service, per change.

FILED

OCT 1 1989

Issued: SEP 2 5 1989

OCT 18998914 Effective: Public Service Commission By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri



(F())

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

(CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued) 7.
- 7.4 Rate Regulations-(Continued)
- 7.4.1 Types of Rates and Charges-(Continued)
- B. Nonrecurring Charges-(Continued)
  - Service Rearrangements-(Continued) 3.
    - Change of customer name, (i.e., the customer of record does not change, but rather the customer of record changes its name (e.g., AT&T-Long Lines to AT&T Communicatons),
    - Change of customer or customer's end user premises address when the change of address is not a result of a physical relocation of equipment,
    - Change in billing date (name, address or contact name or telephone number), CANCFLLED
    - Change of agency authorization,
    - Change of customer circuit identification,
    - Change of billing account number,

    - Change of customer test line number, Change of customer or customer's end user contact name, or telession phone number, and Change of jurisdiction.

All other service rearrangements will be charged for as follows:

- If the change involves the addition of other customer-designated premises to an existing multipoint service, the nonrecurring charge for the channel termination rate element will apply. The charge(s) will apply only for the location(s) that is being added.
- If the change involves the addition of an optional feature or function which has a separate nonrecurring charge, that nonrecurring charge will apply.
- If the change involves changing the type of signaling on a Voice Grade service, a charge equal to the Voice Grade channel termination rate element nonrecurring charge will apply. The charge will apply per service termination affected.
- For all other changes, including the addition of an optional feature or function without a separate nonrecurring charge, a charge equal to a channel termination rate element nonrecurring charge will apply. Only one such charge will apply per service, per change.

Issued: JUN 27 1986

Effective:



Access Services Tariff Section 7 Original Sheet 69.01 REGEIV JUN 27 1986 WIZZAAKI Public Service Commission

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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 69.02 Replacing 2nd Revised Sheet 69.02

# ACCESS SERVICES

#### 7. SPECIAL ACCESS SERVICE

- 7.3 Rate Regulations (cont'd)
  - 7.3.1 Types of Rates and Charges (cont'd)
    - Nonrecurring Charges (cont'd) Β.
      - 3. Service Rearrangements (cont'd)

Each leg of a multipoint service will be treated as a separate circuit and nonrecurring charges will apply per leg on a first and additional basis. If a change(s) for more than one multipoint service is requested on the same access order, one first nonrecurring charge will apply to a leg of the first multipoint service. One additional nonrecurring charge will apply to each of the remaining legs of all multipoint services on the same access order.

The customer requesting administrative service rearrangements will be responsible for all billing associated with the changes requested.

When a change of customer name and change in billing data (name, address, contact name, or telephone number) are requested in association with a change in the customer of record, the access order charge will apply as set forth in Section 5, Paragraph 5.2.2.

All other service rearrangements will be charged for as follows:

- If the change involves the addition of other customer-designated premises to an existing multipoint service, the nonrecurring charge for the channel termination rate element will apply. The charge(s) will apply only for the location(s) that is being added.
- If the change involves the addition of an optional feature, BSE or function which has a separate nonrecurring charge, that nonrecurring charge will apply.
- If the change involves changing the type of signaling on a Voice Grade service, a charge equal to the Voice Grade channel termination rate element nonrecurring charge will apply. The charge will apply per service termination affected.
- For all other changes, including the addition of an optional feature, BSE or function without a separate nonrecurring charge, or the retermination of Special Access circuits in a Network Reconfiguration Service Hub or a charge equal to a channel termination rate element, a nonrecurring charge will apply. Only one such charge will apply per service, per change.

Issued: January 3, 2003

Effective: February 2, 2003

Filed

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

(CT)(RT)

MO PSC

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

Access Services Tariff Section 7 2nd Revised Sheet 69.02 Replacing 1st Revised Sheet 69.02

### ACCESS SERVICES

### 7. SPECIAL ACCESS SERVICE-(Continued)

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MO. PUBLIC SERVICE COMM.

- 7.3 Rate Regulations-(Continued)
  - 7.3.1 Types of Rates and Charges-(Continued)
  - B. Nonrecurring Charges-(Continued)
    - 3. Service Rearrangements-(Continued)

Each leg of a multipoint service will be treated as a separate circuit and nonrecurring charges will apply per leg on a first and additional basis. If a change(s) for more than one multipoint service is requested on the same access order, one first nonrecurring charge will apply to a leg of the first multipoint service. One additional nonrecurring charge will apply to each of the remaining legs of all multipoint services on the same access order.

The customer requesting administrative service rearrangements will be responsible for all billing associated with the changes requested.

When a change of customer name and change in billing data (name, address, contact name, or telephone number) are requested in association with a change in the customer of record, the access order charge will apply as set forth in Section 5, Paragraph 5.2.2.

All other service rearrangements will be charged for as follows:

- If the change involves the addition of other customer-designated premises to an existing multipoint service, the nonrecurring charge for the channel termination rate element will apply. The charge(s) will apply only for the location(s) that is being added. - If the change involves the addition of an optional feature, BSE or
- function which has a separate nonrecurring charge, that nonrecurring charge will apply. - If the change involves changing the type of signaling on a Voice
- Grade service, a charge equal to the Voice Grade channel termination rate element nonrecurring charge will apply. The charge will apply per service termination affected.
- For all other changes, including the addition of an optional feature, BSE or function without a separate nonrecurring charge, or the retermination of Special Access circuits in a Network Reconfiguration Service Hub or Transport Resource Management Service, a charge equal to a channel termination rate element nonrecurring charge will apply. Only one such charge will apply per service, per change

SEP 2 6 1994

Effective: SEP 2 6 1994 Issued: AUG 2 6 1994 MISSOURI By M. H. SCHULTEIS, Executive Director-External Aptolic Service Commission Southwestern Bell Telephone St. Louis, Missouri

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(AT)



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

Access Services Tariff Section 7 1st Revised Sheet 69.02 Replacing Original Sheet 69.02

### ACCESS SERVICES

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7.3 Rate Regulations-(Continued)

MAR 29 1993

MISSOURI Public Service Commission

- 7.3.1 Types of Rates and Charges-(Continued)
  - B. Nonrecurring Charges-(Continued)
    - 3. Service Rearrangements-(Continued)

Each leg of a multipoint service will be treated as a separate circuit and nonrecurring charges will apply per leg on a first and additional basis. If a change(s) for more than one multipoint service is requested on the same access order, one first nonrecurring charge will apply to a leg of the first multipoint service. One additional nonrecurring charge will apply to each of the remaining legs of all multipoint services on the same access order.

The customer requesting administrative service rearrangements will be responsible for all billing associated with the changes requested.

When a change of customer name and change in billing data (nameri ED address, contact name, or telephone number) are requested Gin association with a change in the customer of record, the access order charge will apply as set forth in Section 5, Paragraph 5.2.2.

- All other service rearrangements will be charged for as follows in K.S. If the change involves the addition of other customer-Restance Comm premises to an eviction premises to an existing multipoint service, the nonrecultring MISSOURI charge (s) will apply and the service of the channel termination rate element will service of the charge (s) will apply and the service of the charge (s) will apply and the service of the charge (s) will apply and the service of the se charge(s) will apply only for the location(s) that is being added.
- If the change involves the addition of an optional feature, BSE or function which has a separate nonrecurring charge, that nonrecurring charge will apply.
- If the change involves changing the type of signaling on a Voice Grade service, a charge equal to the Voice Grade channel termination rate element nonrecurring charge will apply. The charge will apply per service termination affected.

- For all other changes, including the addition of an optional feature, BSE or function without a separate nonrecurring charge, or the retermination of Special Access circuits in a Network Reconfiguration Service Hub, a charge equal to a channel termination rate element nonrecurring charge will apply. Only one such charge will apply per service, per change.

Issued: MAR 2 6 1993

Effective:

APR 11 1993

92 - 3n

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

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

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Access Services Tariff Section 7 Original Sheet 69.02

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ACCESS SERVICES

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7.3 Rate Regulations-(Continued)

MISSOURI Public Service Commissi

- 7.3.1 Types of Rates and Charges-(Continued) B. Nonrecurring Ch.

SPECIAL ACCESS SERVICE-(Continued)

BY Lath 3. Service Rearrangements-(Continued) BY Lotton Commission Public Service Commission

Each leg of a multipoint service will be treated as a separate circuit and nonrecurring charges will apply per leg on a first and additional basis. If a change(s) for more than one multipoint service is requested on the same access order, one first nonrecurring charge will apply to a leg of the first multipoint service. One additional nonrecurring charge will apply to each of the remaining legs of all multipoint services on the same access order.

APR 11 1993

The customer requesting administrative service rearrangements will be responsible for all billing associated with the changes requested.

When a change of customer name and change in billing data (name, address, contact name, or telephone number) are requested in association with a change in the customer of record, the access order charge will apply as set forth in Section 5, Paragraph 5.2.2.

All other service rearrangements will be charged for as follows:

- If the change involves the addition of other customer-designated premises to an existing multipoint service, the nonrecurring charge for the channel termination rate element will apply. The charge(s) will apply only for the location(s) that is being added.
- If the change involves the addition of an optional feature or function which has a separate nonrecurring charge, that nonrecurring charge will apply.
- If the change involves changing the type of signaling on a Voice Grade service, a charge equal to the Voice Grade channel termination rate element nonrecurring charge will apply. The charge will apply per service termination affected.
- For all other changes, including the addition of an optional feature or function without a separate nonrecurring charge, or the retermination of Special Access circuits in a Network Reconfiguration Service Hub, a charge equal to a channel termination rate element nonrecurring charge will apply. Only one such charge will apply per service, per change. FILED

SEP 3 0 1991

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Issued: AUG 0 9 1991

By R. D. BARRON, President-Missouri Division SEP 30 Southwestern Bell Telephone Company St. Louis, Missouri

Effective:

# ACCESS SERVICES

# 7. SPECIAL ACCESS SERVICE-(Continued)

- 7.3 Rate Regulations-(Continued)
- 7.3.2 Surcharge for Special Access Service
  - A. General Description

The Special Access Surcharge applies to all jurisdictionally intrastate special access facilities ordered from the Special Access section of the Access Service Tariff unless exempted as specified in Paragraph B., following.

All such facilities terminated at an end user's PBX or other device that connect the special access facility with local exchange lines or trunks, irrespective of whether the interconnection capability exists in the customer's premises equipment or in a Centrex CO type switch, are subject to the surcharge.

# B. Exemption Certification

- 1. The special access facility will be exempted from the monthly surcharge if the customer provides the Telephone Company written certification or an Access Service Request (ASR) indicating that the intrastate special access facility termination is one of the following:
  - a. an open-end termination in a Telephone Company switch of an FX line, including CCSA and CCSA-equivalent ONALs; or
  - b. an analog channel termination that is used for radio program transmission; or
  - c. a termination used for TELEX service; or
  - d. a termination that by the nature of its operating characteristics could not make use of Telephone Company common lines; or
  - e. a termination that interconnects either directly or indirectly to the local exchange network where the usage is subject to Carrier Common Line charges such as, where the special access facility access only FGA and no local exchange lines, or special access facility between customer points of termination, or special access facility connecting CCSA or CCSA-type equipment (inter-machine trunks); or
  - f. a termination that the customer certifies to the Telephone Company is not connected to a PBX or other device capable of interconnecting the special access facility to a local exchange subscriber line, or the PBX or other device has been rendered incapable of interconnection by software or hardware changes.

Issued: Febr

February 15, 1991

Effective: March 18, 1991

By R. 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 3rd Revised Sheet 70 Replacing 2nd Revised Sheet 70

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ACCESS SERVICES

- (FC) 7.3 Rate Regulations-(Continued)
- Public Service Commission Service Commission (FC) 7.3.2 Surcharge for Special Access Service
  - A. General Description

The Special Access Surcharge applies to all jurisdictionally intrastate special access facilities ordered from the Special Access section of the Access Service Tariff unless exempted as specified in Paragraph B., following.

All such facilities terminated at an end user's PBX or other device that connect the special access facility with local exchange lines or trunks, irrespective of whether the interconnection capability exists in the customer's premises equipment or in a Centrex CO type switch, are subject to the surcharge.

- B. Exemption Certification
  - The special access facility will be exempted from the monthly 1. surcharge if the customer provides the Telephone Company written certification that the intrastate special access facility termination is one of the following:
    - an open-end termination in a Telephone Company switch of an FX a, line, including CCSA and CCSA-equivalent ONALs; or
    - an analog channel termination that is used for radio program ь. transmission; or
    - c. a termination used for TELEX service; or
    - d. a termination that by the nature of its operating characteristics could not make use of Telephone Company common lines; or
    - a termination that interconnects either directly or indirectly to e. the local exchange network where the usage is subject to Carrier Common Line charges such as, where the special access facility access only FGA and no local exchange lines, or special access facility between customer points of termination, or special access facility connecting CCSA or CCSA-type equipment (inter-machine trunks); or
    - £. a termination that the customer certifies to the Telephone Company is not connected to a PBX or other device capable of interconnecting the special access facility to a local exchange subscriber line, or the PBX or other device has been rendered incapable of interconnection by software or hardware changes.

Effective:

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Issued: SEP 2 5 1989

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

No supplement to this Access Services Tariff tariff will be issued Section 7 except for the purpose 2nd Revised Sheet 70 of canceling this tariff. Replacing 1st Revised Sheet 70 CANCELLED RECEIVED (CP)ACCESS SERVICES SPECIAL ACCESS SERVICE-(Continued) 1989 7.4 Rate Regulations-(Continued) 0CT.1 JUN 27 1986 Public Service Commission 7.4.2 Surcharge for Special Access Service MISSUAKI MISSOURI Public Service Commission A. General Description The Special Access Surcharge applies to all jurisdictionally intrastate special access facilities ordered from the Special Access section of the Access Service Tariff unless exempted as specified in Paragraph B., following. All such facilities terminated at an end user's PBX or other device that connect the special access facility with local exchange lines or trunks, irrespective of whether the interconnection capability exists in the customer's premises equipment or in a Centrex CO type switch, are subject to the surcharge. Exemption Certification **B**. 1. The special access facility will be exempted from the monthly surcharge if the customer provides the Telephone Company written certification that the intrastate special access facility termination is one of the following: an open-end termination in a Telephone Company switch of an FX line, а. including CCSA and CCSA-equivalent ONALs; or an analog channel termination that is used for radio program trans-Ъ. mission; or c. a termination used for TELEX service; or a termination that by the nature of its operating characteristics d. could not make use of Telephone Company common lines; or е. a termination that interconnects either directly or indirectly to the local exchange network where the usage is subject to Carrier Common Line charges such as, where the special access facility access only FGA and no local exchange lines, or special access facility between customer points of termination, or special access facility connecting CCSA or CCSA-type equipment (inter-machine trunks); or f. a termination that the customer certifies to the Telephone Company is not connected to a PBX or other device capable of interdonnecting the special access facility to a local exchange subscriber line, or the PBX or other device has been rendered incapables of inters connection by software or hardware changes. 86-84 Public Service Commission Issued: JUN 27 1986 Effective: JUI 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.

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Access Services Tariff Section 7 Ist Revised Sheet 70 Replacing Original Sheet 70

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### ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
- 7.2.1 Analog Services-(Continued)
- B. Voice Grade Services-(Continued)
  - Public Service Commission 14. Available Facility Interface (FI) Combinations-(Continued)-

	mbinations				Vo	ice	Gr	ade		rvi	ce (	VG)			
IC	End User	1	2	3	4	5	6	7	8	<u>9</u>	10	11	12	13	
4LS2	2L02	X													
4LS2	2L03		X					х							
2LS 2	<b>2L</b> 02	Х													
2LS 3	<b>2L</b> 02	X													
4N02	6DA2						х				x				
4N02	4DA2					X	Х				Х				
4N02	2DA2					Х									
2NO2	2DA2					X									
4N02	4NO2	x	X			х	х	х		х					
4N02	2NO2	X	X			х		Х							
2NO2	2NO2	Х				X									
2NO3	<b>2N</b> 02	X													
4RV2-0	4RV2-T			x				х							
4RV2-0	2RV2-T			X				X							
1.07.0	4.00														
4SF2	4AC2	X													
4SF 2	2AC2	X													
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PUBLIC SERVICE OF MISSOURI OF MISSOURI Issued: AUG 1 5 1984 Effective: OCT 1 5 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 70 5.51

### ACCESS SERVICES

### SPECIAL ACCESS SERVICE-(Continued)

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- 7.2 Technical Service Descriptions for Special Access Service (Continued) Public Selvice Commission,
- 7.2.1 Analog Services-(Continued)
  - B. Voice Grade Services-(Continued)
    - 14. Available Facility Interface (FI) Combinations-(Continued)

FI Con	mbinations						Gr	ade	Se	rvi	ce (	VG)		
IC	End User	1	2	3	4	5	6	<u>7</u>	8	<u>9</u>	10	<u>11</u>	12	13
4LS2	27.02	x												
	2L02	\$						**						
4LS2	2LO3		X					Х						
2LS2	2L02	Х												
2LS3	2L02	X												
4N02	6DA2						v				х			
							X							
4N02	4DA2						Х				X			
4N02	2DA2						Х							
4NO2	4N02	x	X			x	X	х		х				
4NO2	2NO2	X	x			X	Δ	X		Λ				
			л					А						
2NO2	2NO2	X				X								
2NO3	2N02	Х				X								
4RV2-0	4RV2-T			x				x						
4RV2-0	2RV2-T			X				X						
2RV2-0	2RV2-T			X				х						
4SF2	4AC2	х												
4SF2	2AC2	X												
		-												

GANGELLED OCT 15 1984 PUBLIC SERVICE COMMISSION 81

FILED JAN - 1 1930 83-253

Issued:

DEC 2 9 1983

JAN 0 1 1984 Effective:

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 2nd Revised Sheet 70.01 Replacing 1st Revised Sheet 70.01

# ACCESS SERVICES

	7. SPECIAL ACCESS SERVICE-(Continued)
	7.3 Rate Regulations-(Continued)
	7.3.2 Surcharge for Special Access Service-(Continued)
(CP)	B. Exemption Certification-(Continued)
(AT)	2. Exemption certification shall be in the form of an ASR or written noti- fication to the Telephone Company. Such notification shall be provided by the customer (1) when ordered or installed or (2) at such time as the facility is reterminated to a device not capable of interconnecting to the local exchange network, or (3) at such time as the special access facility becomes associated with a Switched Access Service that is subject to Carrier Common Line charges.
(RT)	If certification is not received at the time the special access facility is obtained, the surcharge will be applied. Exempt status will become effective on the certification date indicated by the customer, subject to the regulations in Paragraph C., following.
(AT) (AT)	

Issued:

February 15, 1991



No supplement to this Access Services Tariff tariff will be issued Section 7 except for the purpose 1st Revised Sheet 70.01 of canceling this tariff. Replacing Original Sheet 70.01 RECEIVED ACCESS SERVICES 7. SPECIAL ACCESS SERVICE-(Continued) SEP 2 5 1989 (F() 7.3 Rate Regulations-(Continued) MISSOURI 7.3.2 Surcharge for Special Access Service-(Continued)Public Service Commission  $(F(\cdot))$ Exemption Certification-(Continued) В. 2. Exemption certification shall be in the form of a written notification to the Telephone Company. Such notification shall be provided by the customer (1) when ordered or installed or (2) at such time as the facility is reterminated to a device not capable of interconnecting to the local exchange network, or (3) at such time as the special access facility becomes associated with a Switched Access Service that is subject to Carrier Common Line charges. (C) If written certification is not received at the time the special access facility is obtained, the surcharge will be applied. Exempt status will become effective on the certification date indicated by the customer, subject to the regulations in Paragraph C following. The exemption certification is to be provided by the customer ordering the service. The certification must be signed by the customer or authorized representative and include the category of exemption, as set forth in Paragraph B preceding, for each termination, and the date which the exemption is effective. The customer shall also notify the Telephone Company when an exempted Special Access Service is changed or reterminated such that the exemption is no longer applicable. CANCELLED MAR 18 1991 BY COMMISSION BY COMMISSION Public Service Commission

FILED

Issued:  $3\vec{E} \cdot 2 = 5$  (989)

OCT 1 8 9989 1 4 Effective: 1989 By R. D. BARRON, President-Missouri Division "ublic Service Commission" 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 70.01

REGEIVED

JUN 27 1986

### (CP)ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rate Regulations-(Continued)
- 7.4.2 Surcharge for Special Access Service-(Continued)
  - B. Exemption Certification-(Continued)
    - 2. Exemption certification shall be in the form of a written notice form of a written notice form of a written notice form is a provided by the customer (1) when ordered or installed or (2) at such time as the facility is reterminated to a device not capable of interconnecting to the local exchange network, or (3) at such time as the special access facility becomes associated with a Switched Access Service that is subject to Carrier Common Line charges.

If written certification is not recieved at the time the special access facility is obtained, the surcharge will be applied. Exempt status will become effective on the certification date indicated by the customer, subject to the regulations in Paragraph C following.

The exemption certification is to be provided by the customer ordering the service. The certification must be signed by the customer or authorized representative and include the category of exemption, as set forth in Paragraph B preceding, for each termination, and the date which the exemption is effective.

The customer shall also notify the Telephone Company when an exempted Special Access Service is changed or reterminated such that the exemption is no longer applicable.

CANCELLED OCT 1 1989 BY PLAS# 10.01 Public Service Commission FRLED 新时 1 1986 86-84 Public Service Commission

Issued: JUN 27 1986

Effective: JUL 1 1395

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 70.02 Replacing Original Sheet 70.02

## ACCESS SERVICES

# 7. SPECIAL ACCESS SERVICE-(Continued)

- (FC) .3 Rate Regulations-(Continued)
- (FC) 7.3.2 Surcharge for Special Access Service-(Continued)
  - C. Crediting the Surcharge

The Telephone Company will cease billing the Special Access Surcharge when certification that the special access facility has become exempt from the surcharge, as set forth in Paragraph B., preceding, is received. if the status of the special access facility was changed prior to receipt of the exemption certification, the Telephone Company will credit the customer's account, not to exceed ninety (90) days, based on the effective date of the change specified by the customer in the letter of certification.

D. Rate Regulations

The monthly Special Access Surcharge applies to special access facilities arranged, as set forth in A preceding, on a per voice equivalent basis as shown in the following example.

Private Line	Voice Grade	Surcharge	Monthly		
Facility	Equivalent		<u>Charge</u>		
Group	12 x		\$300.00		
DS1	24 x		\$600.00		

In the case of multipoint special access facilities, one Special Access Surcharge will apply for each termination of a special access channel at an end user's premises.

The Telephone Company will bill the surcharge to the customer who orders the special access facility unless the facility is exempt as set forth in B preceding.

(FC) 7.3.3 Message Station Equipment Recovery Charge

The Message Station Equipment Recovery Charge is a charge to recover that portion of message station equipment that is assigned to Special Access Service.

Pursuant to CC Docket 83-1145 Memorandum Opinion and Order adopted by the Federal Communications Commission on November 8, 1984, and released on November 9, 1984, this charge is assessed only to those customers to which the Special Access Surcharge applies. The rate for the Message Station Equipment Recovery Charge is set forth in Paragraph 7.4.9, following.

(FC)





Access Services Tariff

Original Sheet 70.02-

JUN 27 1986

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Section 7

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

### (CP)ACCESS SERVICES

- SPECIAL ACCESS SERVICE-(Continued)
- 7.4 Rate Regulations-(Continued)

7.4.2 Surcharge for Special Access Service-(Continued)

C. Crediting the Surcharge

The Telephone Company will cease billing the Special Access Surcharge when certification that the special access facility has become exempt from the surcharge, as set forth in Paragraph B., preceding, is received. If the status of the special access facility was changed prior to receipt of the exemption certification, the Telephone Company will credit the customer's account, not to exceed ninety (90) days, based on the effective date of the change specified by the customer in the letter of certification.

D. Rate Regulations

The monthly Special Access Surcharge applies to special access facilities arranged, as set forth in A preceding, on a per voice equivalent basis as shown in the following example.

Private Line Facility	Voice Grade Equivalent		Surcharge						
Group	12	x	\$25	=					
DS1	24	X	\$25	Ħ					

In the case of multipoint special access facilities, one Special Access Surcharge will apply for each termination of a special access (channel at an end user's premises.

The Telephone Company will bill the surcharge to the customer who orders the special access facility unless the facility is exempt as set forth in B preceding.

#### 7.4.3 Message Station Equipment Recovery Charge

The Message Station Equipment Recovery Charge is a charge to recover that portion of message station equipment that is assigned to Special Access Service.

Pursuant to CC Docket 83-1145 Memorandum Opinion and Order adopted by the Federal Communications Commission on November 8, 1984, and released on November 9, 1984, this charge is assessed only to those customers to which the Special Access Surcharge applies. The rate for the Message Station Equipment Recovery Charge is set forth in Paragraph 7.5.10, following.

Issued: JUN 28 3.7:1986

# 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 7 5th Revised Sheet 71 Replacing4th Revised Sheet 71

# ACCESS SERVICES

### 7. SPECIAL ACCESS SERVICE-(Continued)

- 7.3 Rate Regulations-(Continued)
  - 7.3.4 Minimum Periods

Except as specified otherwise, the minimum service period for all services is one month.

### 7.3.5 Moves

A move involves a change in the physical location of one of the following:

- The Point of Termination at the customer's premises
- The customer's premises

The charges are dependent on the type of move requested by the customer.

A. Moves of the Point of Termination Within the Same Customer Premises

(1) Rollover

A Rollover is a customer initiated move that involves a change of a Point of Termination from an existing service to another existing service within the same customer premises. The Rollover must occur within the same Telephone Company location.

Rollovers may be performed at the following service levels:

- Analog/MegaLink Data to 1.544 Mbps High Capacity (DS1)
- 1.544 Mbps High Capacity (DS1) to 1.544 High Capacity (DS1)
- 1.544 Mbps High Capacity (DS1) to MegaLink Custom (DS3)



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🐔 Access Services Tariff Section 7 4th Revised Sheet 71 Replacing 3rd Revised Sheet 71

ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

FEB 17 1994

7.3 Rate Regulations-(Continued)

MISSOURI Public Service Commission

7.3.4 Minimum Feriods

The minimum service period for all services is one month.

7.3.5 Moves

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A move involves a change in the physical location of one of the following:

- The Point of Termination at the customer's premises - The customer's premises

The charges are dependent on the type of move requested by the customer.

Moves of the Point of Termination Within the Same Customer Premises Α.

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A Rollover is a customer initiated move that involves a change of a Point of Termination from an existing service to another existing service within the same customer premises. The Rollover must occur within the same Telephone Company location.

Rollovers may be performed at the following service levels:

- Analog/MegaLink Data to 1.544 Mbps High Capacity (DS1)
- 1.544 Mbps High Capacity (DS1) to 1.544 High Capacity (DS1)
  - 1.544 Mbps High Capacity (DS1) to MegaLink Custom (DS3)

CANCELLED

Public Service Commission

MAR 201993

FEB 1 8 1994 MAR 2 0 1994 MISSOURI By M. H. SCHULTEIS, Division Manager-Regulatory & Indupuble Schule Commission Southwestern Bell Telephone Company St. Louis, Missouri

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#### ACCESS SERVICES

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MISSOURI Public Service Commission

### 7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

7.3.4 Minimum Periods

Except as specified otherwise, the minimum service period for all services is one month.

7.3.5 Moves

(AT)

A move involves a change in the physical location of one of the following:

The Point of Termination at the customer's premisesThe customer's premises

The charges for the move are dependent on whether the move is to a new location within the same building or to a different building.

A. Moves Within the Same Building

When the move is to a new location within the same building, the move will be treated as an extension of access service facilities. Extension of access service facilities will be provided at the customer's request, on a time-sensitive charge basis. The labor rates which apply are as set forth in Section 13.2.6(c), following, for Other Labor. There will be no change in minimum period requirement.

B. Moves to a Different Building

Moves to a different building will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established for the new services. The customer will also remain responsible for satisfying all outstanding minimum period changes for the discontinued service.

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Issued: <b>DEC 2 3 1993</b> By M. H. SCHULTEIS, Division Ma	MISSOURI Effective: JAN 0 1 1994	MISSOURI Public Scruize Contractor
Southwestern	anager-Regulatory and Indu Bell Telephone Company ouis, Missouri	stry Relations

No supplement to this Access Services Tariff tariff will be issued Section 7 except for the purpose 3rd Revised Sheet 71 of canceling this tariff. Replacing 2nd Revised Sheet 71 ACCESS SERVICES RECEIVED SPECIAL ACCESS SERVICE-(Continued) 7. SEP 2 5 1989 (F() 7.3 Rate Regulations-(Continued) **IRUO32IM** (F() 7.3.4 Minimum Periods Public Service Commission The minimum service period for all services is one month. 7.3.5 Moves (FC) A move involves a change in the physical location of one of the following: - The Point of Termination at the customer's premises - The customer's premises The charges for the move are dependent on whether the move is to a new location within the same building or to a different building. A. Moves Within the Same Building When the move is to a new location within the same building, the move will be treated as an extension of access service facilities. Extension of access service facilities will be provided at the customer's request, on a time-sensitive charge basis. The labor rates which apply are as set forth in Section 13.2.6(c), following, for Other Labor. There will be no change in minimum period requirement. B. Moves to a Different Building Moves to a different building will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established for the new services. The customer will also remain responsible for satisfying all outstanding minimum period changes for the discontinued service. CANCELLED MAR 20, 1994 BY HANKS BY I COmmission FILED OCT 1 1989 Public Service Commission 1 T3G Effective: 1989 [ssued: SEP 2 5 1989 By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company

St. Louis, Missouri

No supplement to this Access Services Tariff tariff will be issued Section 7 except for the purpose 2nd Revised Sheet 71 of canceling this tariff. Replacing 1st Revised Sheet 71 ACCESS SERVICES REGEIVED 7. SPECIAL ACCESS SERVICE-(Continued) 7.4 Rate Regulations-(Continued) NOV 26 1986 7.4.4 Minimum Periods W12207KI The minimum service period for all services is one month. pic Service Commission 7.4.5 Moves A move involves a change in the physical location of one of the following: - The Point of Termination at the customer's premises - The customer's premises The charges for the move are dependent on whether the move is to a new location within the same building or to a different building. A. Moves Within the Same Building When the move is to a new location within the same building, the move will be treated as an extension of access service (CT)facilities. Extension of access service facilities will be provided at the customer's request, on a time-sensitive charge basis. The labor rates which apply are as set forth in Section 13.2.6(c), following, for Other Labor. There will be no change in minimum period requirements. B. Moves to a Different Building Moves to a different building will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established for the new services. The customer will also remain responsible for satisfying all outstanding minimum period changes for the discontinued serviceEL vice Commission" JAN - 1 1987 MISSUURE Issued. DEC 01 1986 Effective: JAN 01 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.

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(CP)ACCESS SERVICES

### 7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rate Regulations-(Continued)

7.4.4 Minimum Periods

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The minimum service period for all services is one mehin Service Commission

7.4.5 Moves

A move involves a change in the physical location of one of the following:

- The Point of Termination at the customer's premises - The customer's premises

The charges for the move are dependent on whether the move is to a new location within the same building or to a different building.

A. Moves Within the Same Building

When the move is to a new location within the same building, the move will be treated as an extension of access service facilities as set forth in 2.1.4.C, preceding. There will be no change in minimum period requirement.

B. Moves to a Different Building

Moves to a different building will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established for the new services. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

BY 216 R.S. # 71 PUBLIC SERVICE COMMISSION

FILED

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Public Sarvice Commission

Issued: JUN 27 JUN 27 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 Original Sheet 71

### ACCESS SERVICES

14. Available Facility Interface (FI) Combinations-(Continued)

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- SPECIAL ACCESS SERVICE-(Continued) 7.
- 7.2 Technical Service Descriptions for Special Access Service (Continued)
- 7.2.1 Analog Services-(Continued)
- Β. Voice Grade Services-(Continued)
  - FI Combinations Voice Grade Service (VG) IC End User <u>3</u> <u>6 7 8</u> 11 12 13 2 <u>4</u> 5 9 10 4SF2 4DX2 Х 4SF2 9DY2 х х Х 4SF2 6DY2 Х ХХ 4SF2 4DY2 Х X X 4SF2 9EA2 Х XX ХХ 4SF2 6EA2-E Х 6EA2-M Х XXX 4SF2 4SF2 4EA2-E Х Х Х Х х х 4EA2-M 4SF2 4SF2 8EB2-E Х Х Х 8EB2-M X X XX 4SF2

GANGELLED JUL 1 1986 门门门 PUBLIC SERVICE COMMISSION OF MISSOURI

DEC 2 9 1983 Issued:

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 Original Sheet 71.01

# ACCESS SERVICES

### 7. SPECIAL ACCESS SERVICE-(Continued)

### 7.3 Rate Regulations-(Continued)

The diagram following illustrates a typical service arrangement before and after a Rollover has occurred.



The charges for a Rollover of the services shown above are detailed in Paragraph 7.4. There will be no change in minimum period requirements.

(2) Relocation

February 18, 1994

When the move of the Point of Termination is to a new location within the same customer premises, the move will be treated as an extension of access service facilities. Extension of access service facilities will be provided, at the customer's request, on a time sensitive charge basis. The labor rates which apply are as set forth in Section 13 for Other Labor. There will be no change in minimum period requirements.

(B) Moves of a Customer Premises

Moves to a different customer premises will be treated as a discontinuance and start of service and all associated Nonrecurring Charges will apply. New minimum period requirements will be established for the new services. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

March 20, 1994



Effective:



Issued:

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

# ACCESS SERVICES

### 7. SPECIAL ACCESS SERVICE-(Continued)

### 7.3 Rate Regulations-(Continued)

# 7.3.6 Mileage Measurement

The mileage to be used to determine the monthly rate for the channel mileage is calculated on the airline distance between the locations involved, i.e., the serving wire center associated with two customer designated premises, a serving wire center associated with a customer designated premises and a Telephone Company Hub, or a serving wire center associated with a customer designated premises and the WATS serving office. The serving wire center associated with a customer designated premises is the serving wire center from which the customer designated premises would normally obtain dial tone.

Mileage is shown in Paragraph 7.4, following, in terms of mileage bands. To determine the rate to be billed, first compute the mileage using the V&H coordinates method as set forth in the appropriate National Exchange Carrier Association, Inc. Tariff filed with the F.C.C.(1), then find the band into which the computed mileage falls and apply the rates shown for that band. When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage band and applying the rates.

When Hubs are involved, mileage is computed and rates applied separately for each section of the channel mileage, i.e., customer designated premises serving wire center to Hub, Hub to Hub and/or Hub to customer designated premises serving wire center. However, when any service is routed through a Hub for purposes other than customer specified bridging,

- (AT) multiplexing, Network Reconfiguration Service or Transport Resource
- (AT) Management Service (i.e., the Telephone Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the serving wire centers associated with the customer designated premises.

(1) For intraLATA LEC to LEC traffic, percentages of ownership will be determined by the V&H coordinates located in the Missouri PTC intraLATA Data Base.

Issued:	August 26, 1994	Effective:	September 26, 1994								
By M. H. SCHULTEIS, Executive Director-External Affairs											
Southwestern Bell Telephone											
St. Louis, Missouri											



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7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

7.3.6 Mileage Measurement

MISSOURI Public Service Commission

The mileage to be used to determine the monthly rate for the channel mileage is calculated on the airline distance between the locations involved, i.e., the serving wire center associated with two customer designated premises, a serving wire center associated with a customer designated premises and a Telephone Company Hub, or a serving wire center associated with a customer designated premises and the WATS serving office. The serving wire center associated with a customer designated premises is the serving wire center from which the customer designated premises would normally obtain dial tone.

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 For intraLATA LEC to LEC traffic, percentages of ownership By SEP 261994 SEP 261994 Willship By SEP 261994 SEP 2619 SEP 26

Issued: JUN 0 1 1791

Effective: AUG 0 5 1991 FILED By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company AUG 5 1991

St. Louis, Missouri

Jublic Service Commission

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### ACCESS SERVICES

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SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

7.3.6 Mileage Measurement

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MISSOURI Public Service Commission

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The mileage to be used to determine the monthly rate for the channel mileage is calculated on the airline distance between the locations involved, i.e., the serving wire center associated with two customer designated premises, a serving wire center associated with a customer designated premises and a Telephone Company Hubs, or a serving wire center associated with a customer designated premises and the WATS serving office. The serving wire center associated with a customer designated premises is the serving wire center from which the customer designated premises would normally obtain dial tone.

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CANCELLED

AUG 2 1991 BY 1th R.S. 475 Public Service Commission MISSOURI

(1) For intraLATA LEC to LEC traffic, percentages of ownership will be determined by the V&H coordinates located in the Missouri PTC IntraLATA Data Base.

Issued: FEB 2 2 1990

Effective: MAR 2 6 1990

FILED

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

MAR 26 1990

Public Service Commission

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Replacing	4th	Revised	Sheet	72

### ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued)

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The mileage to be used to determine the monthly rate for the channel mileage is calculated on the airline distance between the locations involved, i.e., the serving wire center associated with two customer designated premises, a serving wire center associated with a customer designated premises and a Telephone Company Hubs, or a serving wire center associated with a customer designated premises and the WATS serving office. The serving wire center associated with a customer designated premises is the serving wire center from which the customer designated premises would normally obtain dial tone.

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When Hubs are involved, mileage is computed and rates applied separately for each section of the channel mileage, i.e., customer designated premises serving wire center to Hub, Hub to Hub and/or Hub to customer designated premises serving wire center. However, when any service is routed through a Hub for purposes other than customer specified bridging or multiplexing (i.e., the Telephone Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the serving wire centers associated with the customer designated premises.

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MAR 26 1990 BY LEP 1.5.4 22 Public Pervice Commission MISSOURI

(1) For intraLATA LEC to LEC traffic, percentages of ownership will be determined by the V&H coordinates located in the Missouri PTC IntraLATA Data Base.

Issued: 32P 2 5 1389

OCT 1 1989 By R. D. BARRON, President-Missouri Division Public Service Commission 89 - 14 Southwestern Bell Telephone Company St. Louis, Missouri

Effective: DC7 1

No Supplement to this tariff will be issued except for the purpose of canceling this tariff. Access Services Tariff Section 7 4th Revised Sheet 72 Replacing 3rd Revised Sheet 72

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7. SPECIAL ACCESS SERVICE-(Continued)

- 7.4 Rate Regulations-(Continued)
- 7.4.6 Mileage Measurement

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Public Service Commission. The mileage to be used to determine the monthly rate for the channel mileage is calculated on the airline distance between the locations involved, i.e., the serving wire center associated with two customer designated premises, a serving wire center associated with a customer designated premises and a Telephone Company Hubs, or a serving wire center associated with a customer designated premises and the WATS serving office. The serving wire center associated with a customer designated premises is the serving wire center from which the customer designated premises would normally obtain dial tone.

Mileage is shown in Paragraph 7.5, following, in terms of mileage bands. To determine the rate to be billed, first compute the mileage using the V&H coordinates method as set forth in the appropriate Exchange Carrier Association Tariff filed with the F.C.C.(1), then find the band into which the computed mileage falls and apply the rates shown for that band. When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage band and applying the rates.

When Hubs are involved, mileage is computed and rates applied separately for each section of the channel mileage, i.e., customer designated premises serving wire center to Hub, Hub to Hub and/or Hub to customer designated premises serving wire center. However, when any service is routed through a Hub for purposes other than customer specified bridging or multiplexing (i.e., the Telephone Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the serving wire centers associated with the customer designated premises.



FILED JUL 1 1988 84-222 st al. Public Service Commission

(AT) (1) For intraLATA LEC to LEC traffic, percentages of ownership will be determined by the V&H coordinates located in the Missouri PTC IntraLATA Data Base.

Issued: MAY 2 1988

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Effective: JUL 1 1988

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 3rd Revised Sheet 72 Replacing 2nd Revised Sheet 72

### ACCESS SERVICES

### 7. SPECIAL ACCESS SERVICE-(Continued)

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MISSOURI Public Service Commission

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7.4 Rate Regulations-(Continued)

7.4.6 Mileage Measurement

The mileage to be used to determine the monthly rate for the channel mileage is calculated on the airline distance between the locations involved, i.e., the serving wire centers associated with two customer designated premises, a serving wire center associated with a customer designated premises and a Telephone Company Hub, two Telephone Company Hubs, or a serving wire center associated with a customer designated premises and the WATS serving office. The serving wire center associated with a customer designated premises is the serving wire center from which the customer designated premises would normally obtain dial tone.

Mileage is shown in Paragraph 7.5, following, in terms of mileage bands. To determine the rate to be billed, first compute the mileage using the V&H coordinates method as set forth in Exchange Carrier Association Tariff, F.C.C. No. 2, then find the band into which the computed mileage falls and apply the rates shown for that band. When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage band and applying the rates.

When Hubs are involved, mileage is computed and rates applied separately for each section of the channel mileage, i.e., customer designated premises serving wire center to Hub, Hub to Hub and/or Hub to customer designated premises serving wire center. However, when any service is routed through a Hub for purposes other than customer specified bridging or multiplexing (i.e., the Telephone Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the serving wire centers associated with the customer designated premises.

CANCELLED

JUL 1 1988 BY 446 R.S. #72 Public Service Commission MISSOUTHLED

OCT 16 1987 TO-87-42 Public Service Commission

Issued: OCT 1 4 1987

Effective: OCT 1 6 1987

By R. 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.

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JUN 27 1986

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(CP)ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rate Regulations-(Continued)

7.4.6 Mileage Measurement

The mileage to be used to determine the monthly rate for the channel mileage is calculated on the airline distance between the locations involved, i.e., the serving wire centers associated with two customer designated premises, a serving wire center associated with a customer designated premises and a Telephone Company Hub, or two Telephone Company Hubs. The serving wire center associated with a customer designated premises is the serving wire center from which the customer designated premises would normally obtain dial tone.

Mileage is shown in Paragraph 7.5, following, in terms of mileage bands. To determine the rate to be billed, first compute the mileage using the V&H coordinates method as set forth in Exchange Carrier Association Tariff, F.C.C. No. 2, then find the band into which the computed mileage falls and apply the rates shown for that band. When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage band and applying the rates.

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CANCELLED

OCT 16 1987 BY 3Rd R.S. #72 Public Service Commission MISSOURI .HH 1 1986 86-84 Sife Cervice Commission

Issued: JUN 27 1986

Effective: JUL 1 1986

By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missourí No supplement to this Access Services Tariff tariff will be issued Section 7 1st Revised Sheet 72 except for the purpose Replacing Original Sheet 72 of canceling this tariff. REGEIVED ACCESS SERVICES 7. SPECIAL ACCESS SERVICE-(Continued) AUG 1 7.2 Technical Service Descriptions for Special Access Service-(Continued) MISSOURI 7.2.1 Analog Services-(Continued) Public Service Commission B. Voice Grade Services-(Continued)

		FI Combinations			Voice Grade Service (															
		IC	End Us	er	<u>1</u>	<u>2</u>	<u>3</u>	4	<u>5</u>	<u>6</u>	<u>7</u>	8	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>			
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(AT)		4SF 2	6EB 2-M				X				X	X								
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		4SF 2	2GS 2		X		Х				X									
_		4SF 2	2GS 3				X				X									
		4SF 2	2LA2			X					X									
		4SF 2	2LB 2			X					X									
		4SF 2	2LC2			X					X									
		4SF 2	2L03			х					X									
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14. Available Facility Interface (FI) Combinations-(Continued)

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

# Access Services Tariff Section 7 Original\_Sheet 72

#### ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

DEC 20 (Ch)

- 7.2 Technical Service Descriptions for Special Access Service-(Continued) Public Service Commission
  - 7.2.1 Analog Services-(Continued)
  - B. Voice Grade Services-(Continued)
    - FI Combinations Voice Grade Service (VG) IC End User 2 1 3 4 5 6 <u>7</u> <u>9 10 11</u> <u>12</u> 13 8 4SF2 6EB2-E Х Х 4SF2 Х 6EB2-M Х 4SF2 4**GS**2 Х Х 4SF2 2**G**S2 X Х Х 4SF2 Х Х 2**G**S3 GANGELLED 4SF2 2LA2 Х Х 4SF2 2LB2 Х Х OCT 1 5 1984 4SF2 2LC2 X Х 4SF2 Х 2L03 X PUBLIC SERVICE COMMISSION 4SF2 2L02 Х OF MISSOURI 4SF2 4LR2 Х 4SF2 2LR2 Х 4SF2 4LS2 Х X Х 4SF2 2LS2 Х X Х Х 4SF2 2LS3 Χ Х 4SF2 4RV2-T Х Х FILED Х 4SF2 2RV2-T Х JAN "
    - 14. Available Facility Interface (FI) Combinations-(Continued)

Issued:

: DEC 2 9 1983

Effective: JAN 0 1 1984

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

# ACCESS SERVICES

# 7. SPECIAL ACCESS SERVICE-(Continued)

### 7.3 Rate Regulations-(Continued)

### 7.3.7 Facility Hubs

A customer has the option of ordering voice grade facilities of analog or digital high capacity facilities (i.e., Group, Supergroup, Mastergroup, DS1, DS1C, DS2, DS3 or DS4) to a facility Hub for channelizing to individual services requiring lower capacity facilities (i.e., Telegraph, Voice, Program Audio, etc.).

Different locations may be designated as Hubs for different facility capacities, i.e., multiplexing from digital to digital may occur at one location while multiplexing from digital to analog may occur at a different location. The customer will select the designated Hubs and their appropriate subtending wire center(s) from the National Exchange Carrier Association, Inc. Tariff filed with the F.C.C.

Some of the types of multiplexing available include the following:

- from higher to lower bit rate

- from higher to lower bandwidth

- from digital to voice frequency channels

End-to-end services may be provided on channels of these facilities to a Hub. The transmission performance for the end-to-end service provided customer designated premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps facility is multiplexed to voice frequency channel, the transmission performance of the channelized services will be voice grade, not high capacity.

(AT)

Issued: August 9, 1991

September 30, 1991 Effective:

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 73 Replacing 3rd Revised Sheet 73

### ACCESS SERVICES

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MISSOURI Public Service Commission

7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

7.3.7 Facility Hubs

A customer has the option of ordering voice grade facilities of analog or digital high capacity facilities (i.e., Group, Supergroup, Mastergroup, DS1, DS1C, DS2, DS3 or DS4) to a facility Hub for channelizing to individual services requiring lower capacity facilities (i.e., Telegraph, Voice, Program Audio, etc.).

Different locations may be designated as Hubs for different facility capacities, i.e., multiplexing from digital to digital may occur at one location while multiplexing from digital to analog may occur at a different location. The customer will select the designated Hubs from the National Exchange Carrier Association, Inc. Tariff filed with the F.C.C.

Some of the types of multiplexing available include the following:

- from higher to lower bit rate
- from higher to lower bandwidth
- from digital to voice frequency channels

End-to-end services may be provided on channels of these facilities to a Hub. The transmission performance for the end-to-end service provided customer designated premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps facility is multiplexed to voice frequency channel, the transmission performance of the channelized services will be voice grade, not high capacity.

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SEP 3 0 1991

BY <u>5# RS. "13</u> Public Service Commission MISSOURI

Issued: FEB 2 2 1990

Effective: MAR 2 6 1990

FILED

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

MAR 2.6 1990

Public Service Commission

(CT) (RT) (RT)

No supplement to this tariff will be issued except for the purpose of canceling this tariff. Access Services Tariff Section 7 3rd Revised Sheet 73 Replacing 2nd Revised Sheet 73

#### ACCESS SERVICES

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(FC) 7.3 Rate Regulations-(Continued)

SPECIAL ACCESS SERVICE-(Continued)

(FC) 7.3.7 Facility Hubs

A customer has the option of ordering voice grade facilities of analog or digital high capacity facilities (i.e., Group, Supergroup, Mastergroup, DS1, DS1C, DS2, DS3 or DS4) to a facility Hub for channelizing to individual services requiring lower capacity facilities (i.e., Telegraph, Voice, etc.).

Different locations may be designated as Hubs for different facility capacities, i.e., multiplexing from digital to digital may occur at one location while multiplexing from digital to analog may occur at a different location. The customer will select the designated Hubs from the appropriate Exchange Carrier Association's Wire Center Information Tariff and the Telephone Company Bridging and Hubbing List which specifies the type of multiplexing available at a specific location and the wire centers served from that Hub.

Some of the types of multiplexing available include the following:

- from higher to lower bit rate

- from higher to lower bandwidth

- from digital to voice frequency channels

End-to-end services may be provided on channels of these facilities to a Hub. The transmission performance for the end-to-end service provided customer designated premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps facility is multiplexed to voice frequency channel, the transmission performance of the channelized services will be voice grade, not high capacity.

CANCELLED MAR 26 1990 BY 4 R.S.# Public Service Commission MISSOURI

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0CT 1 1989 89 - 14 Public Service Commissior

Issued: SEP 2 5 1989

Effective: OCT 1 1989

By R. 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 2nd Revised Sheet 73 Replacing 1st Revised Sheet 73

### ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

- 7.4 Rate Regulations-(Continued)
- 7.4.7 Facility Hubs

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Public Service Commission

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A customer has the option of ordering voice grade facilities of analog or digital high capacity facilities (i.e., Group, Supergroup, Mastergroup, DS1, DS1C, DS2, DS3 or DS4) to a facility Hub for channelizing to individual services requiring lower capacity facilities (i.e., Telegraph, Voice, Program Audio, etc.).

Different locations may be designated as Hubs for different facility capacities, i.e., multiplexing from digital to digital may occur at one location while multiplexing from digital to analog may occur at a different location. The customer will select the designated Hubs from the appropriate Exchange Carrier Association's Wire Center Information Tariff and the Telephone Company Bridging and Hubbing List which specifies the type of multiplexing available at a specific location and the wire centers served from that Hub.

Some of the types of multiplexing available include the following:

- from higher to lower bit rate

- from higher to lower bandwidth

- from digital to voice frequency channels

End-to-end services may be provided on channels of these facilities to a Hub. The transmission performance for the end-to-end service provided customer designated premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps facility is multiplexed to voice frequency channel, the transmission performance of the channelized services will be voice grade, not high capacity.



Issued: AUG 1 5 1988

Effective: SEP 1 4 1988

SEP 14 1988

FILED-

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 Ist Revised Sheet 73 Replacing Original Sheet 73

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### 7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rate Regulations-(Continued)

7.4.7 Facility Hubs

A customer has the option of ordering voice grade fariling South South Sign or digital high capacity facilities (i.e., Group, Supergroup, Mastergroup, DS1, DS1C, DS2, DS3 or DS4) to a facility Hub for channelizing to individual services requiring lower capacity facilities (i.e., Telegraph, Voice, Program Audio, etc.).

Different locations may be designated as Hubs for different facility capacities, i.e., multiplexing from digital to digital may occur at one location while multiplexing from digital to analog may occur at a different location. The customer will choose the desired Hub from a list that the Telephone Company will make available. The Hub list will specify the type of multiplexing available at a specific location and the wire centers served from that Hub.

Some of the types of multiplexing available include the following:

- from higher to lower bit rate
- from higher to lower bandwidth
- from digital to voice frequency channels

End-to-end services may be provided on channels of these facilities to a Hub. The transmission performance for the end-to-end service provided between customer designated premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps facility is multiplexed to voice frequency channel, the transmission performance of the channelized services will be voice grade, not high capacity.

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SEP 14 1988

BY <u>And R.S.#13</u> Public Service Commission MISSOURI

FILED JUL 1 1986 86-84 te Secerce Commission

Issued: JUN 27 1986

Effective: JUL 1 1986

By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri
Access Services Tariff Section 7 Original Sheet 73

#### ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

DEC 2 8 1203

Public Service Commission ;

- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
  - 7.2.1 Analog Services-(Continued)
  - C. Program Audio Services
    - 1. Program Audio 1 (AP1) Special Access Service
      - a. Description

Special Access Service API provides a channel with a nominal bandwidth from 200 to 3,500 Hz for the transmission of a complex signal voltage, such as speech or music, between an IC terminal location and an End User's premises. Only one-way transmission is provided.

b. Illustrative Application

Special Access Service AP1 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as:

- Wired Music

- c. Optional Features
  - Gain Conditioning control of 1004 Hz EML at initiation of service to 0 dB  $\pm$  0.5 dB.
  - Central office bridging capability (wired music).

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Issued: DEC 29 1983

Effective: JAN 0 1 1984

Access Services Tariff Section 7 2nd Revised Sheet 74 Replacing 1st Revised Sheet 74

#### ACCESS SERVICES

#### 7. SPECIAL ACCESS SERVICE-(Continued)

(FC) 7.3 Rate Regulations-(Continued)

(FC) 7.3.7 Facility Hubs-(Continued)

The Telephone Company will commence billing the monthly rate for the facility to the Hub on the date specified by the customer on the service order. Individual services utilizing these facilities may be installed coincident with the installation of the facility to the Hub, or may be ordered and/or installed at a later date, at the option of the customer. The customer will be billed for a voice grade or a wideband analog or a high capacity digital channel termination, channel mileage, when applicable, an Inside Wire Recovery Charge, if applicable, and the multiplexer at the time the facility is installed. Individual service rates, by service type, will apply for a channel termination, additional channel mileage, as required, and an Inside Wire Recovery Charge, if applicable, for each channelized service. These will be billed to the customer as each individual service is installed. The billing must be to the same customer for both parts of the service arrangement.

Cascading multiplexing occurs when a wideband analog or high-capacity digital channel is de-multiplexed to provide channels with a lesser capacity and one of the lesser capacity channels is further demultiplexed. For example, a supergroup facility is de-multiplexed to five group facilities and then one of the group facilities is further de-multiplexed to individual voice grade channels.

When cascading multiplexing is performed, whether in the same or a different Hub, a charge for the additional multiplexing unit also applies. When cascading multiplexing is performed at different Hubbing locations, channel mileage charges also apply between the Hubs.

Issued: September 25, 1989

Effective: October 1, 1989



No supplement to this tariff will be issued except for the purpose of canceling this tariff. Access Services Tariff Section 7 1st Revised Sheet 74 Replacing Original Sheet 74 BEGENVED JUN 2 7 1986 MISSUUKI

(CP)ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rate Regulations-(Continued)

7.4.7 Facility Hubs-(Continued)

Public Service Commission The Telephone Company will commence billing the monthly-rate-for-thefacility to the Hub on the date specified by the customer on the service order. Individual services utilizing these facilities may be installed coincident with the installation of the facility to the Hub, or may be ordered and/or installed at a later date, at the option of the customer. The customer will be billed for a voice grade or a wideband analog or a high capacity digital channel termination, channel mileage, when applicable, an Inside Wire Recovery Charge, if applicable, and the multiplexer at the time the facility is installed. Individual service rates, by service type, will apply for a channel termination, additional channel mileage, as required, and an Inside Wire Recovery Charge, if applicable, for each channelized service. These will be billed to the customer as each individual service is installed. The billing must be to the same customer for both parts of the service arrangement.

Cascading multiplexing occurs when a wideband analog or high-capacity digital channel is de-multiplexed to provide channels with a lesser capacity and one of the lesser capacity channels is further demultiplexed. For example, a supergroup facility is de-multiplexed to five group facilities and then one of the group facilities is further de-multiplexed to individual voice grade channels.

When cascading multiplexing is performed, whether in the same or a different Hub, a charge for the additional multiplexing unit also applies. When cascading multiplexing is performed at different Hubbing locations, channel mileage charges also apply between the Hubs.

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Issued: JUN 27 1986

Effective: JUL 1 1986

Access Services Tariff Section 7 Original Sheet 74

#### ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

DEC 20 MOD

Public Service Commission

- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
- 7.2.1 Analog Services-(Continued)
  - C. Program Audio Services-(Continued)
    - 1. Program Audio 1 (AP1) Special Access Service-(Continued)
      - d. Transmission Performance
        - Actual Measured Loss (AML)

When the service is initiated, the 1004 Hz AML will be less than 10.0 dB. With the addition of optional gain conditioning, the AML will be  $0 \pm 0.5$  dB. Remedial action will be taken when the loss variation at 1004 Hz exceeds the initial AML by  $\pm 4.0$  dB.

- Gain/Frequency Distortion

Over the frequency band from 200 to 3,500 Hz, the gain at any frequency will be within the range from +3.0 dB to -10.0 dB with respect to the gain at 1004 Hz.

- Signal-to-Idle Circuit Noise

The ratio of received 1004 Hz signal power to C-message weighted idle circuit noise will be at least 65 dB. The received signal power level is determined by subtracting the channel AML from +18 dBm (the instantaneous peak signal level).

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Issued: DEC 2 9 1983

Effective: JAN 0 1 1984

Access Services Tariff Section 7 4th Revised Sheet 75 Replacing 3rd Revised Sheet 75

#### ACCESS SERVICES

#### 7. SPECIAL ACCESS SERVICE-(Continued)

#### 7.3 Rate Regulations-(Continued)

#### 7.3.8 Shared Use Analog and Digital High Capacity Services

Shared use occurs when Special Access Service and Switched Access Service are provided over the same wideband analog or high capacity facilities through a common interface. The facility will be ordered, provided and rated as Special Access Service (i.e., channel termination, channel mileage, as appropriate, and multiplexer). The nonrecurring charge that applies when the shared use facility is installed will be the nonrecurring charge associated with the appropriate Special Access wideband analog or high capacity channel termination. Rating as Special Access will continue until such time as the customer chooses to use a portion of the available capacity for providing Switched Access Service. As each individual channel is activated for Switched Access Service, the Special Access channel termination, channel mileage and multiplexer rates will be reduced accordingly (i.e., 1/12th for a Group level service, 1/24th for a DS1 service, etc.), except where that channel is utilized in conjunction with CCS/SS7 Interconnection Service. The customer must place an order for each individual Switched or Special Access Service utilizing the Shared Use Facilities and specify the channel assignment for each such service.

Switched Access Service rates and charges as set forth in Section 6,

Paragraph 6.11, preceding, will apply for each channel of the shared use facility that is used to provide Switched Access Service. Where Special Access Service is provided utilizing a channel of the shared use facility to the Hub, wideband analog or high capacity rates will apply for the facility to the Hub as set forth preceding and individual service rates will apply from the Hub to the customer-designated premises. The rates that will apply to the portion from the Hub to

CANCELLED - Missouri Public Service Commission - 02/16/2003 - IN-2003-0247

Issued: March 26, 1993

Effective: April 11, 1993

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



Issued:

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

Access Services Tariff Section 7 3rd Revised Sheet 75 Replacing 2nd Revised Sheet 75

#### ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

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7.3.8 Shared Use Analog and Digital High Capacity Services

Shared use occurs when Special Access Service and Switched Access Service are provided over the same wideband analog or high capacity facilities through a common interface. The facility will be ordered, provided and rated as Special Access Service (i.e., channel termination, channel mileage, as appropriate, and multiplexer). The nonrecurring charge that applies when the shared use facility is installed will be the nonrecurring charge associated with the appropriate Special Access wideband analog or high capacity channel termination. Rating as Special Access will continue until such time as the customer chooses to use a portion of the available capacity for providing Switched Access Service. As each individual channel is activated for Switched Access Service, the Special Access channel termination, channel mileage and multiplexer rates will be reduced accordingly (i.e., 1/12th for a Group level service, 1/24th for a DS1 service, etc.), except where that channel is utilized in conjunction with CCS/SS7 Interconnection Service. The customer must place an order for each individual Switched or Special Access Service utilizing the Shared Use Facilities and specify the channel assignment for each such service.

Switched Access Service rates and charges as set forth in Section 6, Paragraph 6.8, preceding, will apply for each channel of the shared use facility that is used to provide Switched Access Service. Where Special Access Service is provided utilizing a channel of the shared use facility to the Hub, wideband analog or high capacity rates will apply for the facility to the Hub as set forth preceding and individual service rates will apply from the Hub to the customer-designated premises. The rates that will apply to the portion from the Hub to

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APR 11 1993 BY 474 R.S.#75 Public Service Commission MISSOURI

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NOV 16 1992

MO. PUBLIC SERVICE COMM.

Issued: MAY 1 3 1992 Effective: NOV 1 6 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 75 Replacing 1st Revised Sheet 75

#### ACCESS SERVICES

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7. SPECIAL ACCESS SERVICE-(Continued)

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(FC) 7.3 Rate Regulations-(Continued)

No supplement to this

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of canceling this tariff.

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NOV 16 1392 BY <u>3nd R.S.</u> #75 Public Service Commission NUSSOURI

(FC) 7.3.8 Shared Use Analog and Digital High Capacity Services

Shared use occurs when Special Access Service and Switched Access Service are provided over the same wideband analog or high capacity facilities through a common interface. The facility will be ordered, provided and rated as Special Access Service (i.e., channel termination, channel mileage, as appropriate, and multiplexer). The nonrecurring charge that applies when the shared use facility is installed will be the nonrecurring charge associated with the appropriate Special Access wideband analog or high capacity channel termination. Rating as Special Access will continue until such time as the customer chooses to use a portion of the available capacity for providing Switched Access Service. As each individual channel is activated for Switched Access Service, the Special Access channel termination, channel mileage and multiplexer rates will be reduced accordingly (i.e., 1/12th for a Group level service, 1/24th for a DS1 service, etc.). The customer must place an order for each individual Switched or Special Access Service utilizing the Shared Use Facilities and specify the channel assignment for each such service.

Switched Access Service rates and charges as set forth in Section 6.8 preceding will apply for each channel of the shared use facility that is used to provide Switched Access Service. Where Special Access Service is provided utilizing a channel of the shared use facility to the Hub, wideband analog or high capacity rates will apply for the facility to the Hub as set forth preceding and individual service rates will apply from the Hub to the customer-designated premises. The rates that will apply to the portion from the Hub to

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Issued: SEP 2 5 1989

No supplement to this tariff will be issued except for the purpose of canceling this tariff. Access Services Tariff Section 7 1st Revised Sheet 75 Replacing Original Sheet 75 REGEIVED

(CP)ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rate Regulations-(Continued)

7.4.7 Facility Hubs-(Continued)

MISSUUKI Public Service Commission

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JUN 27 1986

Although not requiring multiplexing, the Telephone Company with designate certain Hubs for Program Audio Services. This service will be provided between a customer designated premises and a Hub and billed accordingly at the monthly rates set forth in Paragraphs 7.5.4 and 7.5.5, following, for a Channel Termination and Channel Mileage, if applicable. In addition, for Program Audio Services, rates for Optional Features and Functions and an Inside Wire Recovery Charge may be applicable.

7.4.8 Shared Use Analog and Digital High Capacity Services

Shared use occurs when Special Access Service and Switched Access Service are provided over the same wideband analog or high capacity facilities through a common interface. The facility will be ordered, provided and rated as Special Access Service (i.e., channel termination, channel mileage, as appropriate, and multiplexer). The nonrecurring charge that applies when the shared use facility is installed will be the nonrecurring charge associated with the appropriate Special Access wideband analog or high capacity channel termination. Rating as Special Access will continue until such time as the customer chooses to use a portion of the available capacity for providing Switched Access Service. As each individual channel is activated for Switched Access Service, the Special Access channel termination, channel mileage and multiplexer rates will be reduced accordingly (i.e., 1/12th for a Group level service, 1/24th for a DS1 service, etc.). The customer must place an order for each individual Switched or Special Access Service utilizing the Shared Use Facilities and specify the channel assignment for each such service.

Switched Access Service rates and charges as set forth in Section 6.8 preceding will apply for each channel of the shared use facility that is used to provide Switched Access Service. Where Special Access Service is provided utilizing a channel of the shared use facility to the Hub, wideband analog or high capacity rates will apply for the facility to the Hub as set forth preceding and individual service rates will apply from the Hub to the customer-designated 210 premises. The rates that will apply to the portion from the Hub to 1986

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Issued: JUN 27 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 75

#### ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

DEC 20 reso

| Public Service, Commission

- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
- 7.2.1 Analog Services-(Continued)
- C. Program Audio Services-(Continued)
  - 1. Program Audio 1 (AP1) Special Access Service-(Continued)
    - e. Available Facility Interface Combinations

IC	End User	<u> </u>	End User
2PG2-3	2PG2-3	2PG2-3	2PG1-3
4DS9-15E(1)	2PG2-3	4DS9-15E(1)	2PG1-3
4AH5-B(2)	2PG2-3	4AH5-B(2)	2PG1-3
4AH6-C(2)	2PG2-3	4AH6-C(2)	2PG1-3
4AH6-D(2)	2PG2-3	4AH6-D(2)	2PG1-3

2. Program Audio 2 (AP2) Special Access Service

a. Description

Special Access Service AP2 provides a channel with a nominal bandwidth from 100 to 5,000 Hz for the transmission of a complex signal voltage, such as speech or music, between an IC terminal location and an End User's premises. Only one-way transmission is provided.



SERVICE COMMISSION OF MISSOURI

- (1) Available only to IC's selecting the multiplexed four-wire DSX facility interface option at the IC terminal location and providing subsequent [162] system and channel assignment data.
   (2) Available only in the IC's selecting the multiplexed four-wire DSX facility [162].
  - (2) Available only to the IC's selecting the multiplexed four-wire High Capacity analog facility interface option at the IC terminal location
     (2) Available only to the IC's selecting the multiplexed four-wire High and providing subsequent system and channel assignment data.

Issued: DEC 2 9 1983

Effective: JAN 0 1 1984

Access Services Tariff Section 7 2nd Revised Sheet 75.01 Replacing 1st Revised Sheet 75.01

#### ACCESS SERVICES

#### 7. SPECIAL ACCESS SERVICE-(Continued)

- (FC) 7.3 Rate Regulations-(Continued)
- (FC) 7.3.8 Shared Use Analog and Digital High Capacity Services-(Continued) the customer-designated premises will be dependent on the specific type of Special Access Service that is provided (i.e., Voice Grade, Telegraph, etc.) The applicable rates will include a Channel Termination rate, Channel Mileage rates, if applicable and an Inside Wire Recovery Charge, if applicable. Rates for optional features and functions, if any, associated with the service will apply as set forth in 7.4 following.
- (FC) 7.3.9 Inside Wire Recovery Charge

The Inside Wire Recovery Charge is a charge to recover that portion of inside wire cost that is assigned to Special Access Service. Inside wire is as set forth in the Federal Communications Commission's Rules and Regulations. Inside wire may be provided in association with Metallic, Telegraph Grade, Voice Grade, and MegaLink Data Channel Terminations.

Pursuant to CC Docket 83-1145 Memorandum Opinion and Order adopted by the Federal Communications Commission on March 1, 1985, and released on March 8, 1985, the charge is assessed only to those customers to whom such wiring is provided at a customer-designated premises. Accordingly, the charge applies on a per Channel Termination basis for Metallic, Telegraph Grade, Voice Grade, (including WATS Access Lines) or MegaLink Data Special Access Services unless all such inside wire is provided by the customer.

(FC) The rate for the Inside Wire Recovery Charge is set forth in 7.4 following.

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Issued: September 25, 1989

Effective: October 1, 1989



No supplement to this tariff will be issued except for the purpose of canceling this tariff. Access Services Tariff Section 7 1st Revised Sheet 75.01 Replacing Original Sheet 75.01

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#### ACCESS SERVICES

#### 7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rate Regulations-(Continued)

7.4.8 Shared Use Analog and Digital High Capacity Services-(Continued) Public Service Commission

the customer-designated premises will be dependent on the specific type of Special Access Service that is provided (i.e., Voice Grade, Telegraph, etc.) The applicable rates will include a Channel Termination rate, Channel Mileage rates, if applicable and an Inside Wire Recovery Charge, if applicable. Rates for optional features and functions, if any, associated with the service will apply as set forth in 7.5 following.

7.4.9 Inside Wire Recovery Charge

The Inside Wire Recovery Charge is a charge to recover that portion of inside wire cost that is assigned to Special Access Service. Inside wire is as set forth in the Federal Communications Commission's Rules and Regulations. Inside wire may be provided in association with Metallic, Telegraph Grade, Voice Grade, Program Audio and Digital Data Channel Terminations.

Pursuant to CC Docket 83-1145 Memorandum Opinion and Order adopted by the Federal Communications Commission on March 1, 1985, and released on March 8, 1985, the charge is assessed only to those customers to whom such wiring is provided at a customer-designated premises. Accordingly, the charge applies on a per Channel Termination basis for Metallic, Telegraph Grade, Voice Grade (including WATS Access Lines), Program Audio or Digital Data Special Access Services unless all such inside wire is provided by the customer.

The rate for the Inside Wire Recovery Charge is set forth in 7.5 following.



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OCT 16 1987 Public Service Commission

Issued: OCT 1 4 1987

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Effective: OCT 1 6 1987

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

(CP)ACCESS SERVICES

#### 7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rate Regulations-(Continued)

7.4.8 Shared Use Analog and Digital High Capacity Services (CSEVisceCommission

the customer-designated premises will be dependent on the specific type of Special Access Service that is provided (i.e., Voice Grade, Telegraph, etc.) The applicable rates will include a Channel Termination rate, Channel Mileage rates, if applicable and an Inside Wire Recovery Charge, if applicable. Rates for optional features and functions, if any, associated with the service will apply as set forth in 7.5 following.

#### 7.4.9 Inside Wire Recovery Charge

The Inside Wire Recovery Charge is a charge to recover that portion of inside wire cost that is assigned to Special Access Service. Inside wire is as set forth in the Federal Communications Commission's Rules and Regulations. Inside wire may be provided in association with Metallic, Telegraph Grade, Voice Grade, Program Audio and Digital Data Channel Terminations.

Pursuant to CC Docket 83-1145 Memorandum Opinion and Order adopted by the Federal Communications Commission on March 1, 1985, and released on March 8, 1985, the charge is assessed only to those customers to whom such wiring is provided at a customer-designated premises. Accordingly, the charge applies on a per Channel Termination basis for Metallic, Telegraph Grade, Voice Grade, Program Audio or Digital Data Special Access Services unless all such inside wire is provided by the customer.



Access Services Tariff

Original Sheet 75.01

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Section 7

Issued: UN 27 1986

Effective: JUL 1 1986

Access Services Tariff Section 7 1st Revised Sheet 75.02 Replacing Original Sheet 75.02

#### ACCESS SERVICES

#### 7. SPECIAL ACCESS SERVICE-(Continued)

(FC) 7.3 Rate Regulations-(Continued)

#### (FC) 7.3.10 WATS Access Line Service (WALs)

When WATS Access Lines are provided the Voice Grade rate elements which apply are WAL Channel Termination (CT) between the customer designated premises and the serving wire center associated with that premises and Channel Mileage (CM) between the serving wire center associated with a customer designated premises and the WATS serving office (when the serving wire center is not a WATS serving office). In addition, the Inside Wire Charge (where appropriate), Special Access Line Surcharge and Message Station Equipment Recovery Charge will apply.

When extensions (i.e., additional terminations of the service at a different premises in the same or a different LATA) are provided, they are rated in the following manner. Both interLATA and intra-LATA extensions require an additional WAL Channel Termination and Channel Mileage (as needed). In addition, the Inside Wire Charge (where appropriate), Special Access Line Surcharge and Message Station Equipment Recovery Charge will apply.

Issued:

September 25, 1989



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#### ACCESS SERVICES

(AT) 7. SPECIAL ACCESS SERVICE-(Continued)

(AT)

7.4 Rate Regulations-(Continued)

MISSOURI Public Service Commission

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Access Services Tariff

Original Sheet 75.02

Section 7

7.4.10 WATS Access Line Service (WALs)

When WATS Access Lines are provided the Voice Grade rate elements which apply are WAL Channel Termination (CT) between the customer designated premises and the serving wire center associated with that premises and Channel Mileage (CM) between the serving wire center associated with a customer designated premises and the WATS serving office (when the serving wire center is not a WATS serving office). In addition, the Inside Wire Charge (where appropriate), Special Access Line Surcharge and Message Station Equipment Recovery Charge will apply.

When extensions (i.e., additional terminations of the service at a different premises in the same or a different LATA) are provided, they are rated in the following manner. Both interLATA and intra-LATA extensions require an additional WAL Channel Termination and Channel Mileage (as needed). In addition, the Inside Wire Charge (where appropriate), Special Access Line Surcharge and Message Station Equipment Recovery Charge will apply.



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OCT 16 1987 TO-87-43 Public Service Commission

Issued: OCT 1 4 1987

Effective: OCT 16 1987

Access Services Tariff Section 7 1<sup>st</sup> Revised Sheet 75.03 Replacing Original Sheet 75.03

## ACCESS SERVICES

#### 7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

(CT) 7.3.11 (Reserved for Future Use)

(RT)

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Issued: January 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 Original Sheet 75.03

ACCESS SERVICES

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- (AT) 7.3 Rate Regulations-(Continued)
  - 7.3.11 Business Video Service

7. SPECIAL ACCESS SERVICE-(Continued)

A. General

The rate regulations listed in this section apply to Business Video with the following exceptions:

Business Video Service is offered with a 3-year minimum service period. The customer's rates will not change during the minimum service period unless the customer modifies service, e.g., requesting new rates because of a general tariff rate change. In this situation, a new minimum service period will be established and modification charges, as set forth in paragraph 7.3.11, C., following, will apply.

One month prior to the expiration of the minimum service period, the customer must select one of the following options:

- 1. The customer may renew the service for another 3-year minimum service period at the tariff regulations, rates and charges in effect at the time of renewal. Termination charges will be associated with the new minimum service period.
- 2. The customer may elect to renew the service on a monthly basis at the tariff regulations, rates and charges in effect at the time of renewal. Termination charges do not apply.
- 3. The customer may elect to disconnect the service upon expiration of the existing minimum service period.
- B. Termination Charges

In the event service is terminated prior to the expiration of the mission minimum 3-year service period, termination charges is specified. below, will apply.

Service Period

Termination Percentage

60%

3 years (36 months)

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Issued: FEB 0 9 1993

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THE PUBLIC SERVICE COMM.

Effective: MAR 1 1 1995

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 1<sup>st</sup> Revised Sheet 75.04 Replacing Original Sheet 75.04

### ACCESS SERVICES

#### 7. SPECIAL ACCESS SERVICE-(Continued)

- 7.3 Rate Regulations-(Continued)
- (CT) 7.3.11 (Reserved for Future Use)

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Issued: January 10, 1997

Effective: February 10, 1997

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



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	7. SI	ECIAL ACCE	SS SERVICE-(Co	ntinued)	6.2	ICINIO
(AT)			ations-(Contin		F	EB 9 1993
	7.3	11 Busine	ess Video Servi	ce-(Continued)		niseocian Eniseocianiasia
	Β.	<u>Terminati</u>	on Charges-(Co	ntinued)	م و المحمد الم	
		The termi	nation charge	is calculated as foll	OWS:	
		monthly r		s remaining termi vice period x perce		
		Example:	months remain	th a \$2,000 monthly r ing in a 3-year servi be calculated as foll	ce period. The	
			\$2,000 x 5	x .60 = \$6,000.		
		The termi	nation charge	would be \$6,000.		
		has elaps basis, no	sed and the cus termination c	terminated after a 3 tomer has elected to harges apply.	continue servio	e on a monthly
			ed, an associat g, may apply.	ed termination charge	e, as set forth	in Section 14,
	c.	Modificat	tion of Service	3		
		The custo remain th		t to modify service	provided the se	rvice end points
(AT)		Busin <b>ess</b> minimum s rat <b>es an</b> d	Video I Servic service period	fication of service to Business Video for Business Video fect for Business plicable.	II Service. The	e original
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Access Services Tariff Section 7 1<sup>st</sup> Revised Sheet 75.05 Replacing Original Sheet 75.05

## ACCESS SERVICES

#### 7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

(CT) 7.3.11 (Reserved for Future Use)

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Issued: January 10, 1997

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.

(AT) 7.3 Rate Regulations-(Continued)

Access Services Tariff Section 7 Original Sheet 75.05

#### ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

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7.3.11 Business Video Service-(Continued)

C. Modification of Service-(Continued)

It is considered a modification of service when the customer, prior to the expiration of the minimum service period, requests a change in rates, i.e., the customer requests the current effective rates which are different from those he is now paying. In this situation, a new minimum service period is established and all applicable charges apply, as stated in Paragraph 7.3.1, B., 3., preceding.

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Issued: FEB 0 9 1993

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

Access Services Tariff Section 7 1st Revised Sheet 75.06 Replacing Original Sheet 75.06

#### ACCESS SERVICES

#### 7. SPECIAL ACCESS SERVICE-(Continued)

- 7.3 Rate Regulations-(Continued)
- 7.3.12 Competitive Services
  - A. Rate Bands

1.

MegaLink Data and High Capacity Services Channel Termination and Channel Mileage rates will fall within a lower and upper rate band. Only the monthly rates will fall within these rate bands. Written notice of rate change(s) and its effective date will be sent to the Commission within ten (10) days after the effective date. The rate bands are as follows:

MegaLink Data Service	ink Data Service Lower Band		
a. Channel Termination			
2.4 kbps	\$ 57.00	\$ 92.85	
4.8 kbps	57.00	94.00	
9.6 kbps	60.00	92.95	
56.0 kbps	115.00	171.35	
b. Channel Mileage Fixed			
2.4 kbps			
Mileage Bands			
0	None	None	
Over 0 to 4	42.75	62.75	
Over 4 to 8	42.75	67.00	
Over 8 to 25	42.75	70.45	
Over 25 to 50	42.75	73.85	
Over 50	42.75	76.85	
4.8 kbps			
Mileage Bands			
0	None	None	
Over 0 to 4	42.75	63.65	
Over 4 to 8	42.75	63.65	
Over 8 to 25	42.75	68.85	
Over 25 to 50	42.75	69.85	
Over 50	42.75	69.85	

Issued: February 20, 2002

Effective: March 29, 2002

**N PSC** 

By JAN NEWTON, President-Missouri Southwestern Bell Telephone, L.P., d/b/a Southwestern Bell Telephone Company St. Louis, Missouri

(CT)

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

ACCESS SERVICES

- 7. SPECIAL ACCESS SERVICE-(Continued)
- 7.3 Rate Regulations-(Continued)
- 7.3.12 Transitionally Competitive Services
- Α. Rate Bands

MegaLink Data and High Capacity Services Channel Termination and Channel Mileage rates will fall within a lower and upper rate band. Only the monthly rates will fall within these rate bands. Written notice of rate change(s) and its effective date will be sent to the Commission within ten (10) days after the effective date. The rate bands are as follows:

1.	MegaLink Data Service		Lower Band	Upper Band
	a.	Channel Termination		
		2.4 kbps	\$ 57.00	\$ 92.85 94.00
		4.8 kbps 9.6 kbps	57.00 60.00	92.95
		56.0 kbps	115.00	171.35

b. Channel Mileage Fixed

2.4 kbps Mileage Bands		None	None
0 Over 0 to 4		None 42.75	None 62.75
0  ver  0  to  4	CANCELLED	42.75	67.00
0ver 8 to 25	Oracon	42.75	70,45
Over 25 to 50	0000	42.75	73.85
0ver 50	MAR 2 9 2002	42.75	76.85
4.8 kbps Mileage Ban <b>da</b> r	IS Service Commission Missouri	n	
0	MISSOOM	None	None
Over O to 4		42.75	63.65
Over 4 to 8		42.75	63.65
Over 8 to 25		42.75	68.85
Over 25 to 50		42.75	69.85
0ver 50		42.75	69.85

Issued:

APR 0 6 1995

#### Effective: APR 1 1 1995

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

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APR 1 1 1995 94 - 364 PUBLIC SERVICE COMM

Access Services Tariff Section 7 Original Sheet 75.06

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MISSOURI Public Sarvice Commission

#### ACCESS SERVICES

#### 7. SPECIAL ACCESS SERVICE-(Continued)

- 7.3 Rate Regulations-(Continued)
- 7.3.12 Competitive Services-(Continued)
  - A. Rate Bands-(Continued)
  - MegaLink Data Service-Upper Band Lower Band 1. (Continued) b. Channel Mileage Fixed-(Continued) 9.6 kbps Mileage Bands 0 None None Over 0 to 4 \$ 57.00 \$ 87.55 Over 4 to 8 57.00 87.75 Over 8 to 25 57.00 91.95 Over 25 to 50 57.00 94.55 Over 50 57.00 94.55 56 kbps Mileage Bands 0 None None Over 0 to 4 94.00 134.85 Over 4 to 8 94.00 145.15 Over 8 to 25 94.00 160.65 Over 25 to 50 94.00 160.65 Over 50 94.00 161.00 c. Channel Mileage Per Mile 2.4 kbps Mileage Bands 0 None None Over 0 to 4 0.62 2.25 Over 4 to 8 0.62 1.20 Over 8 to 25 0.75 0.62 Over 25 to 50 0.62 0.60 Over 50 0.62 0.55

Issued: February 20, 2002

Effective: March 29, 2002

By JAN NEWTON, President-Missouri Southwestern Bell Telephone, L.P., d/b/a Southwestern Bell Telephone Company St. Louis, Missouri



(CT)

Access Services Tariff No supplement to this tariff will be issued Section 7 except for the purpose Original Sheet 75.07 of canceling this tariff. ACCESS SERVICES RECEIVED 7. SPECIAL ACCESS SERVICE-(Continued) MAY 6 1934 7.3 Rate Regulations-(Continued) MISSOURI 7.3.12 Transitionally Competitive Services-(Continued) Public Sarvice Commission Rate Bands-(Continued) Α. Upper Band 1. MegaLink Data Service-Lower Band (Continued) b. Channel Mileage Fixed-(Continued) 9.6 kbps Mileage Bands None 0 None Over 0 to 4 \$ 57.00 \$ 87.55 Over 4 to 8 57.00 87.75 Over 8 to 25 57.00 91.95 Over 25 to 50 57.00 94.55 Over 50 57.00 94.55 56 kbps Mileage Bands 0 None None Over 0 to 4 94.00 134.85 94.00 Over 4 to 8 145.15 Over 8 to 25 94.00 160.65 Over 25 to 50 94.00 160.65 **Over** 50 94.00 161.00 Channel Mileage Per Mile c. 2.4 kbps Mileage Bands 0 None None Over 0 to 4 0.62 2.25 Over 4 to 8 0.62 1.20 CANCELLED Over 8 to 25 0.62 0.75 Over 25 to 50 0.62 0.60 **Over** 50 0.55 0.62 MAR 2 9 2002 75.01 Commercian MISSOURI Issued: APR 1 1 1995 Effective: APR 0 6 1995

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

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APR 1 1 1995 94 - 364 **PUBLIC SERVICE COM** 

Access Services Tariff Section 7 1st Revised Sheet 75.08 Replacing Original Sheet 75.08

#### ACCESS SERVICES

#### 7. SPECIAL ACCESS SERVICE-(Continued) 7.3 Rate Regulations-(Continued) 7.3.12 Competitive Services-(Continued) A. Rate Bands-(Continued) 1. MegaLink Data Service-Upper Band Lower Band (Continued) c. Channel Mileage Per Mile-(Continued) 4.8 kbps Mileage Bands 0 None None Over 0 to 4 \$ 0.62 \$1.70 Over 4 to 8 0.62 1.70 Over 8 to 25 0.62 1.05 Over 25 to 50 0.62 1.00 Over 50 0.62 1.00 9.6 kbps Mileage Bands 0 None None Over 0 to 4 1.10 2.65 Over 4 to 8 1.10 2.65 Over 8 to 25 1.10 2.10 Over 25 to 50 1.10 2.00 Over 50 2.00 1.10 56 kbps Mileage Bands 0 None None Over 0 to 4 3.00 8.10 Over 4 to 8 3.00 5.55 Over 8 to 25 3.00 3.60 Over 25 to 50 3.00 3.60 Over 50 3.00 3.60

Issued: February 20, 2002

Effective: March 29, 2002

By JAN NEWTON, President-Missouri Southwestern Bell Telephone, L.P., d/b/a Southwestern Bell Telephone Company St. Louis, Missouri

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Access Services Tariff No supplement to this Section 7 tariff will be issued Original Sheet 75.08 except for the purpose of canceling this tariff. ACCESS SERVICES RECEIVED 7. SPECIAL ACCESS SERVICE-(Continued) MAY 6 1634 7.3 Rate Regulations-(Continued) MISSOURI 7.3.12 Transitionally Competitive Services-(Continued) Public Service Commission Α. Rate Bands-(Continued) Lower Band Upper Band 1. MegaLink Data Service-(Continued) Channel Mileage Per Mile-(Continued) с. 4.8 kbps Mileage Bands 0 None None 0 ver 0 to 4Ś. 0.62 Ś. 1.70 Over 4 to 8 0.62 1.70 Over 8 to 25 0.62 1.05 Over 25 to 50 0.62 1.00 0ver 50 0.62 1.00 9.6 kbps Mileage Bands 0 None None Over 0 to 4 1.10 2.65 Over 4 to 8 1.10 2.65 Over 8 to 25 1.10 2.10 Over 25 to 50 1.10 2.00 **Over** 50 1.10 2.00 56 kbps Mileage Bands 0 None None Over 0 to 4 3.00 8.10 Over 4 to 8 3.00 5.55 Over 8 to 25 3.00 3.60 Over 25 to 50 3.00 3.60 0ver 50 3.00 3.60 CANCELLED 2 9 2002 ce Commution Public MISSOURI Issued: Effective: APR 1 1 1995 APR () 6 1995 By M. H. SCHULTEIS, Division Manager-Regulatory & Industry Relations Southwestern Bell Telephone FILED St. Louis, Missouri APR 11 1395 364 C SERVICE COM

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Access Services Tariff Section 7 1st Revised Sheet 75.09 **Replacing Original Sheet 75.09** 

#### ACCESS SERVICES

## 7. SPECIAL ACCESS SERVICE-(Continued)

- 7.3 Rate Regulations-(Continued)
- 7.3.12 Competitive Services-(Continued) (CT)
  - A. Rate Bands-(Continued)

2.	High Capacity Service	Lower Band	Upper Band
	a. Channel Termination		
	1.544 Mbps	\$147.88	\$225.00
	b. Channel Mileage Fixed		
	1.544 Mbps		
	Mileage Bands		
	0	None	None
	Over 0 to 4	46.00	100.00
	Over 4 to 8	46.00	100.00
	Over 8 to 25	46.00	80.00
	Over 25 to 50	46.00	80.00
	Over 50	46.00	80.00
	c. Channel Mileage Per Mile		
	1.544 Mbps		
	Mileage Bands		
	0	None	None
	Over 0 to 4	25.00	50.00
	Over 4 to 8	25.00	60.00
	Over 8 to 25	25.00	60.00
	Over 25 to 50	25.00	60.00
	Over 50	25.00	60.00

Issued: February 20, 2002

Effective: March 29, 2002

**IO PSC** 

By JAN NEWTON, President-Missouri

Southwestern Bell Telephone, L.P., d/b/a Southwestern Bell Telephone Company FILED

St. Louis, Missouri



Access Services Tariff No supplement to this tariff will be issued Section 7 Original Sheet 75.09 except for the purpose of canceling this tariff. ACCESS SERVICES RECEIVED 7. SPECIAL ACCESS SERVICE-(Continued) 1994 MAY 6 7.3 Rate Regulations-(Continued) MISSOURI 7.3.12 Transitionally Competitive Services-(Continued) Public Service Commission Α. Rate Bands-(Continued) 2. High Capacity Service Lower Band Upper Band a. Channel Termination 1.544 Mbps \$147.88 \$225.00 b. Channel Mileage Fixed 1.544 Mbps Mileage Bands Ω None None Over 0 to 4 46.00 100.00 0ver 4 to 8 46.00 100.00 Over 8 to 25 46.00 80.00 Over 25 to 50 46.00 80.00 **Over** 50 46.00 80.00 c. Channel Mileage Per Mile 1.544 Mbps Mileage Bands None 0 None 25.00 Over 0 to 4 50.00 Over 4 to 8 25.00 60.00 Over 8 to 25 60.00 25.00 Over 25 to 50 25.00 60.00 **Over** 50 25.00 60.00

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# MAR 2 9 2002 By StRS 75.09 Public Sorvice Commission MISSOURI

Issued: APR 0 6 1995

Effective:

APR 1 1 1995

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

> APR 1 1 1995 94 - 364 MO PUBLIC SERVICE COMP

Access Services Tariff Section 7 5th Revised Sheet 76 Replacing 4th Revised Sheet 76

### ACCESS SERVICES

#### 7. SPECIAL ACCESS SERVICE-(Continued)

#### 7.4 Rates and Charges

#### 7.4.1 Metallic Service

7.4.1 Metallic Service	<u>USOC</u>	Monthly <u>Rates</u>	Nonrecurring <u>Charges</u> <u>1st Ckt</u> <u>Addl. Ckt</u>
<ul><li>A. Channel Termination</li><li>Per point of termination</li></ul>	T6ECS	(CR) \$24.00	(CR) 113.00 (CR) 77.00
<ol> <li>Inside wire charge</li> <li>Per Channel Termination</li> </ol>	WMJ	None	None
B. Channel Mileage			
		М	onthly Rates
Mileage Bands	<u>USOC</u>	Fixed	Per Mile
0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50	1L5XX 1L5XX 1L5XX	None CR)\$12.00 12.00 11.00 11.00 CR) 11.00	None (CR) .59 2.20 3.28 3.28 (CR) 3.28
	<u>USOC</u>	Monthly <u>Rates</u>	-
C. Optional Features, BSEs and Functions			
1. Bridging			
a. Three Premises Bridging - Per port	BCNM3	(CR)\$5.	35 None
<ul><li>b. Series Bridging</li><li>- Per port</li></ul>	BCNMS	(CR) 5.2	35 None

By JAN NEWTON, President-Missouri Southwestern Bell Telephone Company St. Louis, Missouri

Effective: **JUNE 25, 2000** 

No supplement to this Access Services Tariff tariff will be issued Section 7 except for the purpose 4th Revised Sheet 76 of canceling this tariff. Replacing 3rd Revised Sheet 76 RECEIVED ACCESS SERVICES 7. SPECIAL ACCESS SERVICE-(Continued) MAR 29 1993 7.4 Rates and Charges MISSOURI Public Service Commission 7.4.1 Metallic Service Monthly Nonrecurring USOC Rates Charges 1st Ckt Addl. Ckt Α. Channel Termination - Per point of termination **T6ECS** \$22.40 105.00 72.00 1. Inside wire charge - Per Channel Termination WMJ None None Β. Channel Mileage Monthly Rates Mileage Bands **USOC** Per Mile Fixed 0 1L5XXNone None Over 0 to 4 **1L5XX** \$11.25 .55 Over 4 to 8 2.05 1L5XX 11.25 Over 8 to 25 1L5XX 10.30 3.05 Over 25 to 50 **1L5XX** 10.30 3.05 **Over** 50 1L5XX10.30 3.05 Monthly Nonrecurring USOC Rates Charges **CANCELI FD** (AT) **Optional Features**, BSEs C. and Functions JUN 2 5 2000 1. Bridging By 5th RS 76 Three Premises a. Public Service Commission Bridging \$5.00 - Per port BCNM3 None b. Series Bridging 5.00 - Per port BCNMS None APR 1 1 PHEED Issued: MAR 2 6 1993 Effective: By R. D. BARRON, President-Missouri Division apr 111993 Southwestern Bell Telephone Company

St. Louis, Missouri

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MO. PUBLIC SERVICE COMM.

No supplement to this Access Services Tariff tariff will be issued Section 7 3rd Revised Sheet 76 except for the purpose Replacing 2nd Revised Sheet 76 of canceling this tariff. RECEIVED ACCESS SERVICES AUG 9 1991 7. SPECIAL ACCESS SERVICE-(Continued) MISSOURI 7.4 Rates and Charges Public Service Commission 7.4.1 Metallic Service Monthly Nonrecurring USOC Rates Charges (AT) 1st Ckt Addl. Ckt Channel Termination Α. - Per point of termination **T6ECS** \$22.40 (CR) 105.00 (NR) 72.00 Inside wire charge 1. - Per Channel Termination WMJ None None CANCELLED Β. Channel Mileage Monthly Rates Per Mile APR 11 1993 USOC Mileage Bands Fixed BY #THR.S. Public Service Commission 0 None 1L5XX None Over 0 to 4 1L5XX\$11.25 MISSOURI Over 4 to 8 1L5XX11.25 2.05 Over 8 to 25 1L5XX 10.30 3.05 Over 25 to 50 1L5XX 10.30 3.05 **Over** 50 1L5XX 10.30 3.05 Monthly Nonrecurring **USOC** Rates Charges C. Optional Features and Functions 1. Bridging Three Premises a. Bridging - Per port \$5.00 BCNM3 None Series Bridging b. - Per port BCNMS 5.00 None FILED SEP 3 0 1991

Issued: AUG # # 1991

Effective: SEP \_\_\_\_ Public Service Commissio

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ACCE	SS SERVI	CES	RECEIVED
7. SPECIAL ACCESS SERVICE-(Continued	)		SEP 2 5 1989
FC) 7.4 Rates and Charges		Pub	MISSOURI
FC) 7.4.1 Metallic Service			
	usoc	Monthly Rates	Nonrecurring Charges
A. Channel Termination - Per point of termination 1. Inside wire charge	T6ECS	(CR)\$22.40	(CR)\$125.00
- Per Channel Termination	WMJ	None	None
B. Channel Mileage			CANCELLED
_			SEP 3 0 1991
		Mont	hly Rates 3 KR.S #76
Mileage Bands	USOC	Fixed	Puttre Mileice Commissi
0 Over 0 to 4	1L5XX 1L5XX	None (CR)\$11.25	<sub>None</sub> 納SSOURI (CR) .55
Over 4 to 8	1L5XX	11.25	2.05
Over 8 to 25	1L5XX	10.30	3.05
0ver 25 to 50 0ver 50	1L5XX	10.30	3.05
06 1900	1 <b>L5XX</b>	(CR) 10.30	(CR) 3.05
		Monthly	Nonrecurring
	USOC	Rates	Charges
C. Optional Features and Functions			
1. Bridging			
a. Three Premises Bridging - Per port	BCNM3	\$5.00	None
b. Series Bridging - Per port	BCNMS	5.00	None
			FILED
			0CT 1 1989 89-14
Laguade SED 9 r 4000			Public Service Commission
Issued: SEP 2 5 1989	Effec	tive: OCT 1	1989
By R. D. BARRON, Pr	esident-	Missouri Divisio	on

Southwestern Bell Telephone Company St. Louis, Missouri

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7 (7)	50111 AG		S SERVICES		REGEIVED
		CESS SERVICE-(Continued d Charges	)		JUN 27 1986
7.5.	l Metal	lic Service		Monthly	MISSUUKI Public Service Commissi
			USOC	Rates	Charges
A.		Termination			
	-	oint of termination ide wire charge	T6ECS	\$14.80	\$75.80
		er Channel Termination	WMJ	None	NONE
В.	Channe1	Mileage			
				Monthly	Rates
	Mileage	Bands	USOC	Fixed	Per Mile
	0 Over 0	•- /·	1L5XX	None	None
	Over 0 Over 4		1L5XX 1L5XX	None None	\$18.60 18.60
	Over 8		1L5XX	None	18.60
	0ver 25	to 50	1L5XX	None	18.60
	0ver 50		1L5XX	None	18.60
			USOC	Monthly Rates	Nonrecurring Charges
C.		l Features and			CELLED
	Functio	ns		CAN	1089
	l. Bri	dging		0	Charges HCELLED 1989 CT 1 1989 CT 1 1980 CT 19
	a.	Three Premises		H	de commune
		Bridging - Per port	BCNM3	\$5;00: <sup>\\C</sup>	Service Commission
	b.	Series Bridging			2-2011年16月
		- Per port	BCNMS	5.00	Mone 1986
Issued	: JUN 2	7 1986	Effective	e: JUL	1986

St. Louis, Missouri

Access Services Tariff Section 7 Original Sheet 76  $\bigcirc [1] \bigvee [2] \bigcirc$ 

#### ACCESS SERVICES

SPECIAL ACCESS SERVICE-(Continued) 7.

- - BEC 20 1003
- 7.2 Technical Service Descriptions for Special Access Service-(Continued)
- 7.2.1 Analog Services-(Continued)
  - C. Program Audio Services-(Continued)
    - 2. Program Audio 2 (AP2) Special Access Service-(Continued)
      - b. Illustrative Application

Special Access Service AP2 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as:

- Wired Music
- c. Optional Features
  - Gain Conditioning control of 1004 Hz AML at initiation of service to 0 dB + 0.5 dB.
  - Central office bridging capability (wired music).
- d. Transmission Performance
  - Actual Measured Loss (AML)

When the service is initiated, the 1004 Hz AML will be less than 32 dB. With the addition of optional gain conditioning, the AML will be  $0 \pm 0.5$  dB. Remedial action will be taken when the loss variation at 1004 Hz exceeds the initial AML by  $\pm 4.0$  dB.



JUL 1 1986 BY PUBLIC SERVICE COMMISSION

OF MISSOURI

83-253

Issued: DEC 2 9 1983

Effective: JAN 0 1 1984

Access Services Tariff Section 7 5th Revised Sheet 77 Replacing 4th Revised Sheet 77

## ACCESS SERVICES

#### 7. SPECIAL ACCESS SERVICE-(Continued)

#### 7.4 Rates and Charges-(Continued)

#### 7.4.2 Telegraph Grade Service

	<u>USOC</u>	Monthly _Rates_		curring arges
			<u>1st Ckt</u>	Addl. Ckt
<ul><li>A. Channel Termination</li><li>Per point of termination</li></ul>				
- Two-Wire	T6E2X	(CR)\$38.00	(CR)167.00	(CR)121.00
- Four-Wire	T6E4X	(CR) 64.25	(CR)167.00	(CR)121.00
<ol> <li>Inside Wire Charge</li> <li>Per Channel Termination</li> </ol>	WMJ	None	Ν	one

#### B. Channel Mileage

		Monthly Rates		
Mileage Bands	<u>USOC</u>	Fixed	Per Mile	
0	1L5XX	None	None	
Over 0 to 4	1L5XX	(CR) \$22.75	(CR) \$5.80	
Over 4 to 8	1L5XX	22.00	5.80	
Over 8 to 25	1L5XX	22.00	5.80	
Over 25 to 50	1L5XX	23.25	5.80	
Over 50	1L5XX	(CR) 61.00	(CR) 4.95	

	<u>USOC</u>	Monthly <u>Rates</u>	Nonrecurring Charges
C. Optional Features, BSEs and Functions			
<ol> <li>Telegraph Bridging Two-Wire and Four-Wire         <ul> <li>Per port</li> <li>Two-Wire</li> <li>Four-Wire</li> </ul> </li> </ol>	BCNT2 BCNT4	(CR)\$6.60 (CR) 6.60	None None

Issued: MAY 26, 2000

By JAN NEWTON, President-Missouri Southwestern Bell Telephone Company St. Louis, Missouri



Effective: **JUNE 25, 2000** 

No supplement to this tariff will be issued except for the purpose of canceling this tariff.				Access Services Tariff Section 7 4th Revised Sheet 77 Replacing 3rd Revised Sheet 77		
ACCESS SERVIC				es RECEIVED		
7. SPECIAL ACCESS SERVICE-(Continued)				MAR 29 1993		
7.4 Rates and Charges-(Continued)				MISSOURI		
7.4.2 Telegraph Grade Service				Public Service Commission		
			USOC	Monthly <u>Rates</u>	Nonrecu Charge 1st Ckt	-
Α.	Channel Termination - Per point of termin - Two-Wire - Four-Wire	nation	T6E2X T6E4X	\$35.20 59.75	155.00 155.00	113.00 113.00
	<ol> <li>Inside Wire Charge</li> <li>Per Channel Ter</li> </ol>		LWA	None		None
В.	Over 0 to 4	JUN 25 2000 By デサイス イイ Public Service Commission MISSOURI	USOC 1L5XX 1L5XX 1L5XX 1L5XX 1L5XX 1L5XX 1L5XX	Monthly Fixed None \$21.25 20.45 20.50 21.65 56.77 Monthly Rates	Per Mile None \$5.40 5.40 5.40 5.40 4.60 Nonr	ecurring marges
(AT) C.	and Functions 1. Telegraph Bridging Two-Wire and Four-Wire - Per port - Two-Wire BCN		BCNT2 BCNT4	\$6.15 6.15	None None	



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Effective:

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APR 11 1993 92 - 304

MO. PUBLIC SERVICE COMM.
Access Services Tariff No supplement to this tariff will be issued Section 7 except for the purpose 3rd Revised Sheet 77 of canceling this tariff. Replacing 2nd Revised Sheet 77 RECEIVED ACCESS SERVICES AUG 9 1991 7. SPECIAL ACCESS SERVICE-(Continued) 7.4 Rates and Charges-(Continued) MISSOURI Public Service Commiss 7.4.2 Telegraph Grade Service Monthly Nonrecurring USOC Charges Rates (AT) 1st Ckt Addl. Ckt Channel Termination Α. - Per point of termination - Two-Wire T6E2X \$35.20 (CR) 155.00 (NR) 113.00 - Four-Wire T6E4X 59.75 (CR) 155.00 (NR) 113.00 1. Inside Wire Charge - Per Channel Termination **WMJ** None None Β. Channel Mileage Monthly Rates CANCELLED Mileage Bands USOC Fixed Per Mile 0 APR 11 1993 1L5XX None None Over 0 to 4 1L5XX \$21.25 \$5.40 Over 4 to 8 20.45 1L5XX 5.40 Over 25 to public Service Commission Star Over 50 public Service Commission 1L5XX 20.50 5.40 21.65 5.40 56.77 4.60 Monthly Nonrecurring USOC Rates Charges с. Optional Features and Functions 1. Telegraph Bridging Two-Wire and Four-Wire - Per port - Two-Wire \$6.15 BCNT2 None - Four-Vire 6.15 BCNT4 None FILED SEP 3 0 1991

Issued: AUG 0 9 1991

Effective: SEP 3 0 1991

By R. 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 2nd Revised Sheet 77 og 1st Revised Sheet 77
ACCES	S SERVI	CES	RECEIVED
7. SPECIAL ACCESS SERVICE-(Continued)			SEP 2 5 1989
(F() 7.4 Rates and Charges-(Continued)			MISSOURI
(F(') 7.4.2 Telegraph Grade Service	usoc	Publ Monthly <u>Rates</u>	ic Service Commission Nonrecurring Charges
<ul> <li>A. Channel Termination <ul> <li>Per point of termination</li> <li>Two-Wire</li> <li>Four-Wire</li> </ul> </li> <li>1. Inside Wire Charge <ul> <li>Per Channel Termination</li> </ul> </li> </ul>	T6E2X T6E4X WMJ	(CR)\$35.20 (CR) 59.75 None	(CR)\$180.00 (CR) 180.00 None
B. Channel Mileage			
Mileage Bands	USOC	Monthl Fixed	<u>Per Mile</u> CANCELLED
0 0ver 0 to 4 0ver 4 to 8 0ver 8 to 25 0ver 25 to 50 0ver 50	1L5XX 1L5XX 1L5XX 1L5XX 1L5XX 1L5XX	None (CR)\$21.25 20.45 20.50 (CR) 21.65 56.77	None \$5.40 SEP 3 0 1991 5.40 5.40 <b>3 K</b> . <b>S 77</b> 5.40 Service Commission (CR) 4.60 MISSOURI
	usoc	Monthly Rates	Nonrecurring Charges
<ul> <li>C. Optional Features and Functions</li> <li>1. Telegraph Bridging Two-Wire and Four-Wire</li> </ul>			
- Per port - Two-Wire - Four-Wire	BCNT2 BCNT4	(CR)\$6.15 (CR) 6.15	None None
			FILED
Issued: SEP 2 5 1989 By R. D. BARRON, Pre Southwestern Be St. Lou	sident- ll Tele	phone Company	19898 9 - 1 4 subs Service Commission

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except for the purpose of canceling this tariff.		Replac	lst Revised Sheet 7 ing Original Sheet 7
(CP)ACCESS	SERVICES	1	DEGENNED
7. SPECIAL ACCESS SERVICE-(Continued)			REGEIVED
7.5 Rates and Charges-(Continued)			JUN 27 1986
7.5.2 Telegraph Grade Service			MISSUURI
	USOC	Rates	lic Service Commission
A. Channel Termination			
<ul> <li>Per point of termination</li> <li>Two-Wire</li> </ul>	T6E2X	\$21 <b>.</b> 18	\$75.80
- Four-Wire	T6E4X	35.46	75.80
1. Inside Wire Charge			
- Per Channel Termination	WMJ	None	None
B. Channel Mileage			
		Month1	y Rates
Mileage Bands	USOC	Fixed	<u>Per Mile</u>
0	1L5XX	None	None
Over 0 to 4	1L5XX	\$14.47	\$5.40
Over 4 to 8	1L5XX	14.47	5.40
Over 8 to 25	1L5XX	14.47	5.40
Over 25 to 50 Over 50	1L5XX	14.47	5.40
0451 20	1L5XX	56.77	4.57
	110 A d	Monthly	Nonrecurring
	USOC	<u>Rates</u>	FLLEICharges
C. Optional Features and	,	CAN	Nonrecurring OFLLECharges
Functions		<b>.</b>	1 1000
1. Telegraph Bridging		00	None
Two-Wire and Four-Wire		AVA	COMMON
- Per port			IVICE OUHI
- Two-Wire	BCNT2	1\$5.00	None
- Four-Wire	BCNT4	5.00	None
			21 1511- 15-4 [U]
			·
	•		8 6 - 8 4 Public Service Com
Issued: JUN 27 1986	Effectiv	e: JUL 1	1986
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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 - Original Sheet 77 七日回日日日日

#### ACCESS SERVICES

DEC 29 1003

7. SPECIAL ACCESS SERVICE-(Continued)

- 7.2 Technical Service Descriptions for Special Access Service-(Continued) Public Service Commission
- 7.2.1 Analog Services-(Continued)
- C. Program Audio Services-(Continued)
  - 2. Program Audio 2 (AP2) Special Access Service-(Continued)

d. Transmission Performance-(Continued)

- Gain/Frequency Distortion

Over the frequency band from 100 to 5,000 Hz, the gain at any frequency will be 1.0 dB of the gain at 1004 Hz.

- Signal-to-Idle Circuit Noise

The ratio of received 1004 Hz signal power to 15 KHz flat weighted idle circuit noise will be at least 64 dB. The received signal power level is determined by subtracting the channel AML from +18 dBm (the instantaneous peak signal level).

e. Available Facility Interface Combinations

IC	End User		End User
2PG2-5 4DS9-15F(1) 4AH5-B(2) 4AH6-C(2) 4AH6-D(2)	2PG2-5 2PG2-5 2PG2 \$ A N 2PG2 \$ 2PG2-5 JU	2PG2-5 4DS9-15F(1) 4AH5-C(2) 4AH6-C(2) L 1	2PG1-5 2PG1-5 2PG1-5 2PG1-5 2PG1-5
	BY L	R.S.77	

- (1) Available only to IC's selecting the multaplexed four-wire DSX facility interface option at the IC terminal location and providing subsequent is system and channel assignment data.
- (2) Available only to the IC's selecting the multiplexed four-wire High Capacity analog facility interface option at the IC terminal location 1 1939 and providing subsequent system and channel assignment data. Changes - 253 5 and 6 are assigned for AP2.

Issued: DEC 2 9 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 5th Revised Sheet 78 Replacing 4th Revised Sheet 78

#### ACCESS SERVICES

#### 7. SPECIAL ACCESS SERVICE-(Continued)

#### 7.4 Rates and Charges-(Continued)

#### 7.4.3 Voice Grade Service

A. Channel Termination	<u>USOC</u>	Monthly <u>Rates</u>	Nonrecurring <u>Charges</u> <u>1st Ckt</u> <u>Addl. Ckt</u>
A. Channel Termination			
- Per point of termination			
- Two-Wire	T6E2X	(CR) \$27.75	(CR)\$153.00 (CR)113.00
- Four-Wire	T6E4X	(CR) 63.75	(CR) 175.00 (CR)129.00
- Digital WATS Access			
Line (WAL)*	T6EDX	(CR) 5.95	(CR) 134.00 (CR) 95.00
			Nonrecurring <u>Charges</u>
- Non-jointly provided WATS			
Access Line (WAL) two-wire	X2H	(CR) 41.25	(CR) 75.00
- Non-jointly provided WATS			
Access Line (WAL) four-wire	X4H	(CR) 65.75	(CR) 75.00
<ol> <li>Inside Wire Charge</li> <li>Per Channel Termination</li> </ol>	WMJ	None	None
B. Channel Mileage			
		Mor	nthly Rates
Mileage Bands	<u>USOC</u>	Fixed	Per Mile
0	1L5XX	None	None
Over 0 to 4	1L5XX	(CR) \$20.00	(CR) \$5.30
Over 4 to 8	1L5XX	19.50	5.30
Over 8 to 25	1L5XX	19.00	5.30
Over 25 to 50	1L5XX	18.75	5.30
Over 50	1L5XX	(CR) 55.75	(CR) 4.49

\*Additive applicable in conjunction with customer ordered Digital High Capacity facility in Paragraph 7.4.7.

Issued: MAY 26, 2000

Effective: **JUNE 25, 2000** 

By JAN NEWTON, President-Missouri Southwestern Bell Telephone Company St. Louis, Missouri



÷	No supplement to this tariff will be issued except for the purpose of canceling this tariff.					Access Services Tariff Section 7 4th Revised Sheet 78 Replacing 3rd Revised Sheet 78				
				ACCESS	SERVICES		RECE	IVED		
	7. SP	PECIAL ACCESS SERVI	CE-(Co	ntinued)			AUG 9	1991		
	7.4	Rates and Charges-	(Conti	nued)			MISS	OURI		
	7.4.	3 Voice Grade Ser	vice				Public Service	Commission.		
(AT)	Α.	Channel Terminati	ол		USOC	Monthly Rates		ecurring arges Addl. Ckt		
(MT)		- Per point of te - Two-Wire - Four-Wire - Digital WATS Ac		ion	T6E2X T6E4X	\$ 25.82 59.45	(CR)\$142.00 (CR) 163.00	(NR)105.00 (NR)120.00		
		Line (WAL)*			T6EDX	5.55	(CR) 125.00	(NR) 88.00		
		N	., ,				Nonrecurr Charge	-		
		- Non-jointly pro Access Line (WA	L) two	-wire	X2H	38.47	69.82			
(MT)		- Non-jointly pro Access Line (WA			X4H	61.22	69.82			
		<ol> <li>Inside Wire C</li> <li>Per Channel</li> </ol>		nation	TWA	None	No	one		
	В.	Channel Mileage		ssion		Mor	thly Rates			
		Mileage Bands	B	2000 578 JAI	USOC	Fixed	Per Mile	2		
		0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50	CANCELLED	JUN 25 2000 By デザインス78 Public Service Commi MISSOURI	1L5XX 1L5XX 1L5XX 1L5XX 1L5XX 1L5XX	None \$18.65 18.30 17.80 17.45 51.96	None 4.94 4.94 4.94 4.94 4.18			
				<u>م</u>						

\*Additive applicable in conjunction with customer ordered Digital High Capacity facility in Paragraph 7.4.7. FILED

Effective:

Issued: AUG 0 9 1991

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SEP 0 SEP SEP 3 0 1991 1991 By R. D. BARRON, President-Missouri Division Public Service Commissio 3 T St. Louis, Missouri

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	No supplement to this tariff will be issued except for the purpose of canceling this tariff.			cess Services Tariff Section 7 3rd Revised Sheet 78 2nd Revised Sheet 78	
	ACCI	ESS SERVI	CES	RECEIVED	
	7. SPECIAL ACCESS SERVICE-(Continued	<del>1</del> )		SEP 2 5 1989	
(FC)	7.4 Rates and Charges-(Continued)			MUSAUR	
(FC)	7.4.3 Voice Grade Service		Pi	ublic Service Commission	
		USOC	Monthly <u>Rates</u>	Nonrecurring Charges	
	A. Channel Termination				
	- Per point of termination - Two-Wire - Four-Wire	T6E2X T6E4X	\$25.82 (CR) 59.45	(CR)\$165.00 (CR) 190.00	
	<ul> <li>Non-jointly provided WATS</li> <li>Access Line (WAL) two-wire</li> <li>Non-jointly provided WATS</li> </ul>	X2H	38.47	69.82	
	Access Line (WAL) four-wire - Digital WATS Access	X4H	61.22	69.82	
(DR)	Line (WAL)*	T6EDX	(CR) 5.55	(CR) 150.00	
(RT)				CANCELLED	
	<ol> <li>Inside Wire Charge</li> <li>Per Channel Termination</li> </ol>	<b>W</b> MJ	None	SEP 3 0 1991 BY + R. S. 78	
	B. Channel Mileage		Mont	Public Service Commission MISSOURI	)] ;
	Mileage Bands	USOC	Fixed	PerMile	
	0 Over 0 to 4 Over 4 to 8 Over 8 to 25 Over 25 to 50 Over 50	1L5XX 1L5XX	None (CR)\$18.65 18.30 17.80 (CR) 17.45 51.96	None 4.94 4.94 4.94 4.94 4.18	
(F(') (RT) (RT)	* Additive applicable in conjunction facility in Section 7.4.7.	with cus	tomer ordere	ed Digital High Capacity	
	Tanada			<u> </u>	
	Issued: 27 2 5 1989 By R.D. BARRON, Pr	Effect	001		
	Southwestern 1	Bell Tele Duis, Mis	phone Compar	<sup>ay</sup> Public Service Commissio	

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No supplement to this tariff will be issued except for the purpose of canceling this tariff.			Repla	Access Services Tariff Section 7 lst Revised Sheet 78 acing_Original-Sheet_78
(CP)AC	CESS SERVI	ICES		REGEIVED
7. SPECIAL ACCESS SERVICE-(Contin	ued)			JUN 27 1986
7.5 Rates and Charges-(Continued	)			WIZZUAKI
7.5.3 Voice Grade Service				Public Service Commission
	USO		ionthly Rates	Nonrecurring Charges
A. Channel Termination				
- Per point of termination	<b>m</b> ( <b>p</b> )	<b>12</b>	NDE 00	A70 05
- Two-Wire - Four-Wire	T6E) T6E		\$25.82 42.14	\$78.05 78.05
1. Inside Wire Charge	1054	7 <b>A</b>	766 L4	(Q.VJ
- Per Channel Terminati	on WMJ		None	None
B. Channel Mileage				
		-	Month	nly Rates
Mileage Bands	USO	C 3	Fixed	Per Mile None CANCELLED \$4.94
0	11.5		None	Per Mile None CANCELLED \$4.94 4.94 0CT 1.6 1987 4.94 0CT 1.6 1987
Over 0 to 4	11.5		13.23	\$4.94
Over 4 to 8	115	-	13.24	
Over 8 to 25	115		13.24	4.94
Over 25 to 50	115		13.23	4.94 BYCA in Comin
Over 50	11.5		51.96	4.94 00 BY
	USOC	Month] Rates	-	Nonrecurring Charges
. Optional Features and Functions			—	
1. Bridging				
a. Voice Bridging				the second s
Two-Wire/Four-Wire				FILED
- Per port	0.0377.0	61. M	n	
- Two-Wire - Four-Wire	BCNV2 BCNV4	\$4.93 4.93		None 1 1986
- rour-wrig	DCH14	4.7	<u> </u>	
				86-84
				English Statute GummilsSign
				·
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Issued: JUN 27 1986 By R. D. BARRON		ective:	JUL ouri Di	1 1986 vision

y R. D. BARRON, President-Missouri Divisio 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 78

#### ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

DEC 2.0 (203

- 7.2 Technical Service Descriptions for Special Access Service-(Continued) Public Service Commission
- 7.2.1 Analog Services-(Continued)
- C. Program Audio Services-(Continued)
  - 3. Program Audio 3 (AP3) Special Access Service
    - a. Description

Special Access Service AP3 provides a channel with a nominal bandwidth from 50 to 8,000 Hz for the transmission of a complex signal voltage, such as speech or music, between an IC terminal location and an End User's premises. Only one-way transmission is provided.

b. Illustrative Application

Special Access Service AP3 is suitable for use as part of the facilities required to provide intrastate telecommunications services such as:

- Wired Music
- c. Optional Features
  - Gain Conditioning control of 1004 Hz AML at initiation of service to 0 dB + 0.5 dB.
  - Central office bridging capability (wired music).

GANGELLED FULL L JUL 1 1986 PUBLIC SERVICE COMMISJON OF MISSOURI

Issued: DEC 2 9 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 5th Revised Sheet 78.01 Replacing 4th Revised Sheet 78.01

## ACCESS SERVICES

#### 7. SPECIAL ACCESS SERVICE-(Continued)

#### 7.4 Rates and Charges-(Continued)

#### 7.4.3 Voice Grade Service-(Continued)

	UGOG	Monthly	Nonrecurring			
	<u>USOC</u>	<u>_Rates_</u>	<u>1st Ckt</u>	arges Addl. Ckt		
C. Analog Service to Service Through Connect Arrangement						
Multiplexed Arrangement (Derived from a DS1 multiplexer)	ТНК	(CR) 8.05	(CR) 98.00	(CR) 87.00		
D. Optional Features, BSEs and Functions						
			Nonrecu Charge	•		
1. Bridging						
a. Voice Bridging						
Two-Wire/Four-Wire - Per port - Two-Wire - Four-Wire	BCNV2 BCNV4	(CR) \$5.30 (CR) 5.30				

Issued: MAY 26, 2000

Effective: **JUNE 25, 2000** 

By JAN NEWTON, President-Missouri Southwestern Bell Telephone Company St. Louis, Missouri



No supplement to this Access Services Tariff tariff will be issued Section 7 except for the purpose 4th Revised Sheet 78.01 of canceling this tariff. Replacing 3rd Revised Sheet 78.01 RECENT ACCESS SERVICES MAR 29 1993 7. SPECIAL ACCESS SERVICE-(Continued) MISSOURI 7.4 Rates and Charges-(Continued) Public Service Commission 7.4.3 Voice Grade Service-(Continued) Monthly Nonrecurring USOC Rates Charges 1st Ckt Addl. Ckt C. Analog Service to Service Through Connect Arrangement Multiplexed Arrangement (Derived from a DS1 THK multiplexer) 7.50 91.00 81.00 (AT) D. Optional Features, BSEs and Functions Nonrecurring Charges 1. Bridging a. Voice Bridging Two-Wire/Four-Wire - Per port - Two-Wire BCNV2 \$4.92 None - Four-Wire 4.92 BCNV4 None

CANCELLED

JUN 2 5 2000 By 5th R5 78.01 Public Service Commission MISSOURI

APR 1

Issued: MAR 2 A 1893

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Effective:

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

MO. PUBLIC SERVICE COMM

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				ACCES	S SERVI	CES				RE	CEI	VED	
	7. SH	PECIAL A	CCESS SERVICE-(	Continued)						ΔIJ	G 9	1991	
	7.4	Rates a	nd Charges-(Con	tinued)							-		
	7.4.	3 Voic	e Grade Service	-(Continued	)				Pub		ISSO vice (	UHI Commis	siorı
(AT)					USOC		Monthl Rates	-	<u>1</u> s	Nonre Cha t <u>Ckt</u>	rges	ng . Ckt	
	c.		Service to Ser h Connect Arran										
			lexed Arrangeme ed from a DS1 lexer)	nt	тнк		7.50	(	(CR)	91.00	(NR)	81.00	
	D.	Option Function	al Features and ons	L									
(AT) (AT)											ecurri arges	.ng	
		1. Br	idging										
		a.	Voice Bridgin	g									
			Two-Wire/Four - Per port - Two-Wire - Four-Wire	-Wire	BCNV2 BCNV4		\$4.92 4.92				one		

CANCELLED APR 11 1993 78.01 BY 45 R.S. 78.01 Public Service Commission MISSOURI

FILED

Effective: SEP 3 0 1991 SEP 3 0 1991 By R. D. BARRON, President-Missouri Division Southwestern Bell Telephone Company St. Louis, Missouri

Issued: WUG 0 9 MAN

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			ACCES	S SERVI	CES	Receive	D
	7. SP	ECIAL ACCESS SERV	ICE-(Continued)			FE8 2 C 199	0
		Rates and Charges 3 Voice Grade Se	•	)		MISSOURI Public Service Con	
				USOC	Monthl Rates	• . –	
(AT)	c.	Analog Service ( Through Connect					
(AT)		Multiplexed Arra (Derived from a multiplexer)		THK	(NR)7.50	(NR)104.00	
(FC)	D.	<b>Optional Feature</b> Functions	es and				
		1. Bridging					
		a. Voice B	ridging				
		- Per po - Tvo-		BCNV2 BCNV4	\$4.92 4.92	None None	

CANCELLED

SEP 3 0 1991 BY <u>3 K.S. 78.07</u> Public Service Commission MISSOURI

Issued: FEB 2 2 1990

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Effective: MAR 2 6 1990

MAR 26 1990

FILED

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 1st Revised Sheet 78.01 ng Original Sheet 78.01
ACCE	SS SERVI	CES	
7. SPECIAL ACCESS SERVICE-(Continued)	)		RECEIVED
(F(') 7.4 Rates and Charges-(Continued)			SEP 25 1989
(F(') 7.4.3 Voice Grade Service-(Continue	ed)	P	ublic Sandca Commission
	USOC	Monthly Rates	Nonrecurring Charges
C. Optional Features and Functions			
1. Bridging			
a. Voice Bridging			
Two-Wire/Four-Wire - Per port - Two-Wire - Four-Wire	BCNV2 BCNV4	\$4.92 4.92	None None

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MAR 26 1990 BYOR S. # 78.01 Public Service Commission MISSOURI

FILED SEP 2 5 1989 DCT 1 19890CT 1 1989 Issued: Effective: By R. D. BARRON, President-Missouri Division 89-14 Southwestern Boll Telephone Company Fublic Service Commissio 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 78.01
	ACCESS 7. SPECIAL ACCESS SERVICE-(Continued 7.5 Rates and Charges-(Continued) 7.5.3 Voice Grade Service-(Continu		Monthly _Rates	RECEIVED OCT 1 3 1987 MISSOURI Public Service Commission Nonrecurring Charges
(MT)	<ul> <li>C. Optional Features and Functions</li> <li>1. Bridging <ul> <li>a. Voice Bridging</li> <li>Two-Wire/Four-Wire</li> <li>- Per port</li> <li>- Two-Wire</li> <li>- Four-Wire</li> </ul> </li> </ul>	BCNV2 BCNV4	\$4.92 4.92	None None

CANCELLED OCT 1 1989 BY MAR.S.# 18.01 Public Service Commission MISSOURI

FILED

OCT 16 1987 To-87-43 Public Service Commissior

Issued: OCT 1 4 1987

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Effective: OCT 1 6 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)

#### 7.4 Rates and Charges-(Continued)

#### 7.4.3 Voice Grade Service-(Continued)

	<u>USOC</u>	Monthly <u>Rates</u>	Nonrecurring <u>Charges</u>
D. Optional Features, BSEs and Functions-(Continued)			
1. Bridging-(Continued)			
b. Data Bridging			
Two-Wire/Four-Wire - Per port - Two-Wire - Four-Wire c. DATAPHONE Select-A- Station Bridging Sequential Arrange- ment Ports	BCND2 BCND4	(CR) \$ 5.30 (CR) 5.30	None None
<ul> <li>Per two-wire channel connected</li> <li>Per four-wire channel connected</li> </ul>	DQ2 DQ4	(CR) 6.70 (CR) 45.75	None None

Issued: MAY 26, 2000

Effective: **JUNE 25, 2000** 

By JAN NEWTON, President-Missouri Southwestern Bell Telephone Company St. Louis, Missouri



	tariff except	will for	be the	o this issued purpose is tariff.			ccess Services Tariff Section 7 4th Revised Sheet 79 3rd Revised Sheet 79
				ACCES	S SERVICES	S	
	7. SP	ECIAL	ACC	ESS SERVICE-(Continued)			received
	7.4	Rates	and	Charges-(Continued)			MAR 29 1993
	7.4.	3 Vo	ice	Grade Service-(Continued	l) USOC	Publi Monthly Rates	MISSOUAI SSAVIOS Commitation Nonrecurring Charges
(AT)	D.			Features, BSEs tions-(Continued)			
		1.	Brid	ging-(Continued)			
				Data Bridging Two-Wire/Four-Wire - Per port - Two-Wire - Four-Wire DATAPHONE Select-A- Station Bridging Sequential Arrange- ment Ports	BCND2 BCND4	\$ 4.92 4.92	None None
				Per two-wire channel connected Per four-wire channel connected	DQ2 DQ4	6.26 42.66	None None

# CANCELLED

JUN 252000 By 5<sup>th</sup> RS 79 Public Service Commission MISSOURI

Issued: MAR % \* 1993 By R. D. BARRON, President-Missouri Division 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 3rd Revised Sheet 79 g 2nd Revised Sheet 79
	ACCES	S SERVICE	S	RECEIVED
	7. SPECIAL ACCESS SERVICE-(Continued)			FEB 20 1990
	7.4 Rates and Charges-(Continued)			
	7.4.3 Voice Grade Service-(Continue	ed)		MISSOURI Public Service Commission
		<u>USOC</u>	Monthly Rates	Nonrecurring Charges
(FC)	D. Optional Features and Functions-(Continued)			
	<ol> <li>Bridging-(Continued)</li> </ol>			
	b. Data Bridging			
	Two-Wire/Four-Wire - Per port - Two-Wire - Four-Wire	BCND2 BCND4	\$ 4.92 4.92	None None
	c. DATAPHONE Select-A- Station Bridging			
	Sequential Arrange- ment Ports			
	<ul> <li>Per two-wire channel connected</li> <li>Per four-wire channel</li> </ul>	DQ2	6.26	None
	connected	DQ4	42.66	None

APR 11 1993 BY 4 K R.S. Trop Public Service Commission MISSOURI

Issued: FEB 2 2 1990

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Effective: MAR 2 6 1990

FILED 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.			ccess Services Tariff Section 7 2nd Revised Sheet 79 1st Revised Sheet 79
	ACCES	S SERVICES		RECEIVED
	7. SPECIAL ACCESS SERVICE-(Continued)			SEP 2 5 1980
(FC)	7.4 Rates and Charges-(Continued)			
(FC)	7.4.3 Voice Grade Service-(Continue	ed)	Pub	NUESTRUE lie Service Commission
		USOC	Monthly <u>Rates</u>	Nonrecurring Charges
	C. Optional Features and Functions-(Continued)			
	<ol> <li>Bridging-(Continued)</li> </ol>			
	b. Data Bridging	•		
	Two-Wire/Four-Wire - Per port - Two-Wire - Four-Wire	BCND2 BCND4	\$ 4.92 4.92	None None
	c. DATAPHONE Select-A- Station Bridging			
	Sequential Arrange- ment Ports			
	<ul> <li>Per two-wire channel connected</li> <li>Per four-wire channel connected</li> </ul>	DQ2 DQ4	6.26 42.66	None None



Effective:

FILED

SEP 2 5 1989 Issued:

1989 CT 1 1989 89-14 By R. D. BARRON, President-Missouri Divisianic Service Commissio. Southwestern Bell Telephone Company St. Louis, Missouri

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No supplement to this tariff will be issued except for the purpose			ccess Services Tariff Section 7 lst Revised Sheet 79
of canceling this tariff. (CP)ACCESS	SERVICES		ing Original Sheet 79
7. SPECIAL ACCESS SERVICE-(Continued)		t,	
7.5 Rates and Charges-(Continued)			JUN 27 1986
7.5.3 Voice Grade Service-(Continued	)	p	MISSUURI ublic Service Commission
	USOC	Monthly <u>Rates</u>	Nonrecurring Charges
C. Optional Features and Functions-(Continued)			
<ol> <li>Bridging-(Continued)</li> </ol>			
b. Data Bridging			
Two-Wire/Four-Wire - Per port - Two-Wire - Four-Wire	BCND2 BCND4	\$ 4.92 4.92	None None
c. DATAPHONE Select-A- Station Bridging			
Sequential Arrange- ment Ports			
- Per two-wire channel connected - Per four-wire channel	DQ2	6.26	None
connected	DQ4	42.66	None
CA ( Bi Public	NCEL	LED 989 S.H19 Commission DURI	FILED Jul 1 1986
, 			86-84 Public Service Comm
Issued: JUN 27 1988	Effect	ive: JUL	1 1986

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 79

#### ACCESS SERVICES

# DEC 20 (273)

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- 7. SPECIAL ACCESS SERVICE-(Continued)
  - 7.2 Technical Service Descriptions for Special Access Service (Continued)
  - 7.2.1 Analog Services-(Continued)
  - C. Program Audio Services-(Continued)
    - 3. Program Audio 3 (AP3) Special Access Service-(Continued)
      - d. Transmission Performance-(Continued)
        - Actual Measured Loss (AML)

When the service is initiated, the 1004 Hz AML will be less than 32 dB. With the addition of optional gain conditioning, the initial AML will be  $0 \pm 0.5$  dB. Remedial action will be taken when the loss variation at 1004 Hz exceeds the initial AML by  $\pm 4.0$  dB.

- Gain/Frequency Distortion

Over the frequency band from 50 to 8,000 Hz, the gain at any frequency will be within 1 dB of the gain at 1004 Hz.

- Signal-to-Idle Circuit Noise
- The ratio of received 1004 Hz signal power to 15 kHz flat weighted idle circuit noise will be at least 62 dB. The received signal power level is determined by subtracting the channel AML from +18 dBm (the instantaneous peak signal level).

GANGELLED 1,7 JUL 1 1986 BY PUBLIC SERVICE COMMISSION OF MISSOURI

Issued: DEC 2 9 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

#### 7. SPECIAL ACCESS SERVICE-(Continued)

# 7.4 Rates and Charges-(Continued)

#### 7.4.3 Voice Grade Service-(Continued)

	<u>USOC</u>	Monthly <u>Rates</u>	Nonrecurring Charges
D. Optional Features, BSEs and Functions-(Continued)			
1. Bridging-(Continued)			
c. DATAPHONE Select-A- Station Bridging- (Continued)			
Addressable Arrangement Ports			
- Per two-wire channel connected	KQ2	(CR) \$ 6.70	None
- Per four-wire channel connected	KQ4	(CR) 45.75	None
d. Telemetry and Alarm Bridging			
Active Bridging Channel Connections			
Split Band			
- Per channel connected	CNLRX	(CR) 2.10	None
Summation			
- Per channel connected	BCNSA	(CR) 3.19	None

By JAN NEWTON, President-Missouri Southwestern Bell Telephone Company St. Louis, Missouri P.S.C. Mo.-No. 36

JUNE 25, 2000 Effective:

No supplement to this Access Services Tariff tariff will be issued Section 7 except for the purpose 4th Revised Sheet 80 of canceling this tariff. Replacing 3rd Revised Sheet 80 ACCESS SERVICES RECEIVED 7. SPECIAL ACCESS SERVICE-(Continued) MAR 29 1993 7.4 Rates and Charges-(Continued) MISSGURI 7.4.3 Voice Grade Service-(Continued) Public Sarviso Commission Monthly Nonrecurring USOC Rates Charges (AT) D. Optional Features, BSEs and Functions-(Continued) CANCELLED 1. Bridging-(Continued) DATAPHONE Select-Ac. JUN 2 5 2000 Station Bridging-By 5th RS 80 (Continued) Public Service Commission Addressable MISSOURI Arrangement Ports - Per two-wire channel connected KQ2 \$ 6.26 None - Per four-wire channel connected 42.66 KQ4 None d. Telemetry and Alarm Bridging Active Bridging Channel Connections Split Band - Per channel connected CNLRX 1.95 None Summation - Per channel connected BCNSA 2.97 None



Issued: MAR 2 6 1993

Effective:

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APR 1 1 1993 ion APR 1 1 1993 92 - 304 MO. PUBLIC SERVICE COMM.

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

	No supplement to tariff will be except for the of canceling th	issued purpose	Rej	3rd Re	ervices Tariff Section 7 vised Sheet 80 vised Sheet 80
		ACCESS S	ERVICES		Received
	7. SPECIAL ACC	CESS SERVICE-(Continued)			FEB 2 0 1990
	7.4 Rates and	l Charges-(Continued)			MISSOURI
	7.4.3 Voice	Grade Service-(Continued)		Pub	lic Service Commission
			USOC	Monthly Rates	Nonrecurring Charges
(FC)	-	l Peatures and ns-(Continued)		CANC	ELLED
	1. Bri	iging-(Continued)		NDR 1	1 1993 70
	с.	DATAPHONE Select-A- Station Bridging- (Continued)		BY #2	ELLED 1 1993 MR. S. TO ICE COMMISSION SSOURI
		Addressable Arrangement Ports		, ia.	
		- Per two-wire channel connected	KQ2	\$ 6.26	None
		- Per four-wire channel connected	KQ4	42.66	None
	d.	Telemetry and Alarm Bridging			
		Active Bridging Channel Connections			
		Split Band			
,		- Per channel connected	CNLRX	1.95	None
		Summation			
)		- Per channel connected	BCNSA	2.97	None



Effective: MAR 2 6 1990

FILED

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

MAR 26 1990

Public Service Commission

No supplement tariff will be except for the of canceling (	e issued e purpose		2	cess Services Tariff Section 7 2nd Revised Sheet 80 1st Revised Sheet 80
	ACCES	S SERVI	CES	
7. SPECIAL A	CCESS SERVICE-(Continued)			RECEIVED
FC) 7.4 Rates an	nd Charges-(Continued)			SEP 2 5 1989
FC) 7.4.3 Voice	≥ Grade Service-(Continue	d)	Բս	MESCURI Iblic Service Coramissic
	al Features and Inctions-(Continued)	<u>usoc</u>	Monthly Rates	Nonrecurring Charges
	dging-(Continued) DATAPHONE Select-A- Station Bridging- (Continued) Addressable Arrangement Ports			
	<ul> <li>Per two-wire channel connected</li> <li>Per four-wire channel connected</li> </ul>	KQ2 KQ4	\$ 6.26 42.66	None
d.	Telemetry and Alarm Bridging		CANCELLE	
	Active Bridging Channel Connections Split Band	Zubli	MAR 26 1990 BY 30 R S H c Service Com MISSOURI	11122101.
	- Per channel connected	CNLRX	(CR)1.95	None
	Summation - Per channel connected	BCNSA	2.97	None
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1989 OCT 1 1989 By R. D. BARRON, President-Missouri Division 89-14 Southwestern Bell Telephone Company (ublic Service Commiss) 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 Ist Revised Sheet 80 Icing Original Sheet 80
(CP)ACCESS	SERVICES	Ϋ́ Έ	REGEIVED
7. SPECIAL ACCESS SERVICE-(Continued)		14 1-1	JUN 27 1986
7.5 Rates and Charges-(Continued)			
7.5.3 Voice Grade Service-(Continued	)	Lever and	MISSUUKI Public Service Commission
	usoc	Monthly <u>Rates</u>	Nonrecurring Charges
C. Optional Features and Functions-(Continued)			
1. Bridging-(Continued)			NOFILED
c. DATAPHONE Select-A- Station Bridging- (Continued)		00	NCELLED CT 1 1989 200 A.S. #P
Addressable Arrangement Ports		Public S	Bervice Commission MISSOURI
- Per two-wire channel connected	KQ2	\$ 6.26	None
- Per four-wire channel connected	KQ4	42.66	None
d. Telemetry and Alarm Bridging			
Active Bridging Channel Connections			
Split Band			
- Per channel connected	CNLRX	1.05	None
Summation			FILEM
- Per channel connected	BCNSA	2,97	
		<u> </u>	86-84 Enaite Service Commission
Issued: JUN 27 1986	Effective	e: JUL	1 1986 .

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

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Technical Service Descriptions for Special Access Service-(Continued) 2 2 ( )

- 7.2.1 Analog Services-(Continued)
  - C. Program Audio Services-(Continued)
    - 3. Program Audio 3 (AP3) Special Access Service-(Continued)
      - e. Available Facility Interface Combinations

<u>IC</u>	End User	IC	End User
2PG2-8	2PG2-8	2PG2-8	2PG1-8
4DS9-15G(1)	2PG2-8	4DS9-15G(1)	2PG1-8
4AH5-B(2)	2PG2-8	4AH5-B(2)	2PG1-8
4AH6-C(2)	2PG2-8	4AH6-C(2)	2PG1-8
4AH6-D(2)	2PG2-8	4AH6-D(2)	2PG1-8

4. Program Audio 4 (AP4) Special Access Service

a. Description

Special Access Service AP4 provides a channel with a nominal bandwidth from 50 to 15,000 Hz for the transmission of a complex signal voltage, such as speech or music, between an IC terminal location and an End User's premises. Only one-way transmission is provided.

b. Illustrative Application

Special Access Service AP4 is suitable for use as part of the facilities required to provide intrastice telecommunications services such as:

JUL 1 1986

- Wired Music

(1) Available only to IC's selecting the limiter face option at the IC terminal location and providing subsequent 1 system and channel assignment data.

(2) Available only to the IC's selecting the multiplexed four-wire High Capacity analog facility interface option at the IC terminal location 253 and providing subsequent system and channel assignment data. Channels 5, 6 and 7 are assigned for AP3.

Issued: DEC 2 9 1983

Effective: JAN 0 1 1984

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

Access Services Tariff Section 7 Original Sheet 80

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