

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.2 Switched Transport

	Originating Non-Toll Free*	Rate Terminating 3 rd Party	Terminating End Office	
(A) <u>Tandem-Switched Transport – Facility</u> Per Access Minute, Per Airline Mile	\$0.000064	\$0.000064	\$0.000000	
(B) <u>Tandem-Switched Transport – Termination</u> Per Access Minute, Per Termination	\$0.000128	\$0.000128	\$0.000000	
(C) <u>Tandem Switching</u> Per Access Minute	\$0.000611	\$0.000611	\$0.000000	
(D) <u>Shared Multiplexing</u> Per Access Minute	\$0.000108	\$0.000108	\$0.000000	
(E) <u>Interconnection Rate</u> Per Access Minute Telephone Company Provided Transport	\$0.0018883	\$0.000000	\$0.000000	(T)(M) (M)
(F) <u>8YY Joint Tandem Switched Transport</u> Per Access Minute	\$0.001			(N) (N)
(G) <u>Tandem Dedicated Trunk Ports</u>		<u>Monthly Rate</u>		(T)
Voice Grade		\$16.77		
DS1		7.89		(M1) (M1)

* Effective July 1, 2021, pursuant to FCC 20-143, separate rate elements for Toll Free and Non-Toll Free Originating Transport services were established. The Toll Free rate element for Originating Transport service is displayed as 8YY Joint Tandem Switched Transport. (N)
|
(N)

(M) – Data moved from Sheet 152.
(M1) – Material moved to Sheet 151.1.

ISSUED: May 14, 2021

EFFECTIVE: July 1, 2021

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.2 Switched Transport

	<u>Originating</u>	<u>Rate Terminating 3rd Party</u>	<u>Terminating End Office</u>
(A) <u>Tandem-Switched Transport – Facility</u> Per Access Minute, Per Airline Mile	\$0.000064	\$0.000064	\$0.000000
(B) <u>Tandem-Switched Transport – Termination</u> Per Access Minute, Per Termination	\$0.000128	\$0.000128	\$0.000000 (R)
(C) <u>Tandem Switching</u> Per Access Minute	\$0.000611	\$0.000611	\$0.000000 (R)
(D) <u>Shared Multiplexing</u> Per Access Minute	\$0.000108	\$0.000108	\$0.000000
(E) <u>Tandem Dedicated Trunk Ports</u>		<u>Monthly Rate</u>	
Voice Grade DS1		\$16.77 7.89	
(F) <u>Direct-Trunked Transport</u>			
<u>Voice Grade</u> Facility – Per Mile Termination – Per Termination		\$1.25 7.99	
<u>DS1</u> Facility – Per Mile Termination – Per Termination		\$7.15 4.66	
<u>DS3</u> Facility – Per Airline Mile Termination – Per Termination		\$49.15 185.80	
(G) <u>Network Blocking Charge *</u> FGD Only		<u>Per Blocked Call</u>	\$0.009

* This flat rated charge was calculated based upon a 50/50 split between originating and terminating. The FCC in their FCC 11-161 ICC Transformation Order in Section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. When the terminating portion of the rate is reduced and then combined with the originating portion of the rate, a single flat rate is generated for billing purposes.

Issued: May 1, 2018

Effective: July 3, 2018

CANCELLED
July 1, 2021
Missouri Public
Service Commission
JI-2021-0200

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FILED
Missouri Public
Service Commission
YI-2018-0147

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.2 Switched Transport

	<u>Originating</u>	<u>Rate</u> Terminating 3 rd Party	<u>Terminating</u> End Office	(T) (T)
(A) <u>Tandem-Switched Transport – Facility</u> Per Access Minute, Per Airline Mile	\$0.000064	\$0.000064	\$0.000000	(R)
(B) <u>Tandem-Switched Transport – Termination</u> Per Access Minute, Per Termination	\$0.000128	\$0.000128	\$0.000007	(R)
(C) <u>Tandem Switching</u> Per Access Minute	\$0.000611	\$0.000611	\$0.000611	
(D) <u>Shared Multiplexing</u> Per Access Minute	\$0.000108	\$0.000108	\$0.000000	(R)
(E) <u>Tandem Dedicated Trunk Ports</u>		<u>Monthly Rate</u>		
Voice Grade DS1		\$16.77 7.89		
(F) <u>Direct-Trunked Transport</u>				
<u>Voice Grade</u> Facility – Per Mile Termination – Per Termination		\$1.25 7.99		
<u>DS1</u> Facility – Per Mile Termination – Per Termination		\$7.15 4.66		
<u>DS3</u> Facility – Per Airline Mile Termination – Per Termination		\$49.15 185.80		
(G) <u>Network Blocking Charge *</u> FGD Only		<u>Per Blocked Call</u>	\$0.009	(R) (T)

* This flat rated charge was calculated based upon a 50/50 split between originating and terminating. The FCC in their FCC 11-161 ICC Transformation Order in Section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. When the terminating portion of the rate is reduced and then combined with the originating portion of the rate, a single flat rate is generated for billing purposes.

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CANCELLED
July 3, 2018
Missouri Public
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YI-2018-0147

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FILED
Missouri Public
Service Commission
YI-2017-0230

(N)
|
(N)

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.2 Switched Transport

	<u>Rate</u>	
	<u>Originating</u>	<u>Terminating</u>
(A) <u>Tandem-Switched Transport – Facility</u>		
Per Access Minute, Per Airline Mile	\$0.000064	\$0.000064
(B) <u>Tandem-Switched Transport – Termination</u>		
Per Access Minute, Per Termination	\$0.000128	\$0.000128
(C) <u>Tandem Switching</u>		
Per Access Minute	\$0.000611	\$0.000611
(D) <u>Shared Multiplexing</u>		
Per Access Minute	\$0.000108	\$0.000108

(E) Tandem Dedicated Trunk Ports Monthly Rate

Voice Grade	\$16.77	
DS1- Per Channel	7.89	(T)

(F) Direct-Trunked Transport

<u>Voice Grade</u>	
Facility – Per Mile	\$1.25
Termination – Per Termination	7.99

<u>DS1</u>	
Facility – Per Mile	\$7.15
Termination – Per Termination	4.66

<u>DS3</u>	
Facility – Per Airline Mile	\$49.15
Termination – Per Termination	185.80

(G) Network Blocking Charge Per Blocked Call
FGD Only \$0.018

Issued: March 16, 2017

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FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.2 Switched Transport

	<u>Rate</u>		
	<u>Originating</u>	<u>Terminating</u>	
(A) <u>Tandem-Switched Transport – Facility</u>			
Per Access Minute, Per Airline Mile	\$0.000064	\$0.000064	
(B) <u>Tandem-Switched Transport – Termination</u>			
Per Access Minute, Per Termination	\$0.000128	\$0.000128	
(C) <u>Tandem Switching</u>			
Per Access Minute	\$0.000611	\$0.000611	
(D) <u>Shared Multiplexing</u>			
Per Access Minute	\$0.000108	\$0.000108	
			(M)
			(M)
(E) <u>Tandem Dedicated Trunk Ports</u>		<u>Monthly Rate</u>	(N)
Voice Grade		\$16.77	
DS1		7.89	(N)
(F) <u>Direct-Trunked Transport</u>			(T)
<u>Voice Grade</u>			
Facility – Per Mile		\$1.25	
Termination – Per Termination		7.99	
<u>DS1</u>			
Facility – Per Mile		\$7.15	
Termination – Per Termination		4.66	
<u>DS3</u>			
Facility – Per Airline Mile		\$49.15	
Termination – Per Termination		185.80	(T)
(G) <u>Network Blocking Charge</u>		<u>Per Blocked Call</u>	(M1)
FGD Only		\$0.018	(M1)

(M) Material omitted from this sheet now appears on Sheet 152.

(M1) This material previously appeared on Sheet 150.

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FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.2 Switched Transport

	<u>Rate</u>	
	<u>Originating</u>	<u>Terminating</u>
(A) <u>Tandem-Switched Transport – Facility</u>		
Per Access Minute, Per Airline Mile	\$0.000064	\$0.000064
(B) <u>Tandem-Switched Transport – Termination</u>		
Per Access Minute, Per Termination	\$0.000128	\$0.000128
(C) <u>Tandem Switching</u>		
Per Access Minute	\$0.000611	\$0.000611
(D) <u>Shared Multiplexing</u>		
Per Access Minute	\$0.000108	\$0.000108
(E) <u>Interconnection Rate</u>		
Telephone Company Provided Transport	\$0.018883	\$0.018883
	<u>Monthly Rate</u>	
(F) <u>Direct-Trunked Transport-Voice Grade</u>		
Facility – Per Mile	\$1.25	
Termination – Per Termination	\$7.99	
(G) <u>Direct-Trunked Transport-DS1</u>		
Facility – Per Mile	\$7.15	
Termination – Per Termination	\$4.66	
(H) <u>Direct-Trunked Transport-DS3</u>		
Facility – Per Airline Mile	\$49.15	
Termination – Per Termination	\$185.80	

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EFFECTIVE: July 3, 2012

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CANCELLED
July 2, 2013
Missouri Public
Service Commission
JI-2013-0494

FILED
Missouri Public
Service Commission
TT-2012-0317; YI-2012-0634

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.2 Switched Transport

(A) Switched Transport Facility

Rates for each Access Minute, per airline mile.

Premium Rates
Switched Transport Facility
Per Access Minute Per
Airline Mile

\$.00052841 (I)

(B) Switched Transport Termination

Rates for each Access Minute, for each termination.

Premium Rates
Switched Transport Termination
Per Access Minute Per
Termination

\$.00488735 (I)

CANCELLED
April 11, 2011
Missouri Public
Service Commission
TT-2012-0317
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Issued: July 15, 2008

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FILED
Missouri Public
Service Commission

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.2 Switched Transport

(A) Switched Transport Facility

Rates for each Access Minute, per airline mile.

Premium Rates
Switched Transport Facility
Per Access Minute Per
Airline Mile

\$.0005165 (I)

(B) Switched Transport Termination

Rates for each Access Minute, for each termination.

Premium Rates
Switched Transport Termination
Per Access Minute Per
Termination

\$.0047771 (I)

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CANCELLED
September 1, 2008
Missouri Public
Service Commission

FILED
Missouri Public
Service Commission

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.2 Switched Transport

(A) Switched Transport Facility

Rates for each Access Minute, per airline mile.

Premium Rates
Switched Transport Facility
Per Access Minute Per
Airline Mile

\$.0005070 (R)

(B) Switched Transport Termination

Rates for each Access Minute, for each termination.

Premium Rates
Switched Transport Termination
Per Access Minute Per
Termination

\$.0046886 (R)

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CANCELLED
Sept. 1, 2007
Missouri Public
Service Commission

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Missouri Public
Service Commission

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.2 Switched Transport

(A) Switched Transport Facility

Rates for each Access Minute, per airline mile.

Premium Rates
Switched Transport Facility
Per Access Minute Per
Airline Mile

\$.0005080

(R)

(B) Switched Transport Termination

Rates for each Access Minute, for each termination.

Premium Rates
Switched Transport Termination
Per Access Minute Per
Termination

\$.0046960

(R)

Issued: August 1, 2005

Effective: September 1, 2005

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Cancelled

September 1, 2006

Missouri Public
Service Commission

Filed

Missouri Public
Service Commission

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.2 Switched Transport

(A) Switched Transport Facility

Rates for each Access Minute, per airline mile.

Premium Rates
Switched Transport Facility
Per Access Minute Per
Airline Mile

\$.0005192

(R)

(B) Switched Transport Termination

Rates for each Access Minute, for each termination.

Premium Rates
Switched Transport Termination
Per Access Minute Per
Termination

\$.0047970

(R)

CANCELLED

SEP 01 2005
by *3rdRS151*
Public Service Commission
MISSOURI

Issued: July 16, 2004

Effective: September 1, 2004

Chantel Mosby
Manager, Tariffs and Compliance
Monroe, Louisiana

FILED
MO PSC

FACILITIES FOR INTRASTATE ACCESS

Missouri Public

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.2 Switched Transport

(A) Switched Transport Facility

Rates for each Access Minute, per airline mile.

Premium Rates
Switched Transport Facility
Per Access Minute Per
Airline Mile

\$.0005330

(l)

(B) Switched Transport Termination

Rates for each Access Minute, for each termination.

Premium Rates
Switched Transport Termination
Per Access Minute Per
Termination

\$.0049242

(l)

REC'D JUL 23 2003

Service Commission

CANCELLED

SEP 01 2004
By *RS 151*
Public Service Commission
MISSOURI

FACILITIES FOR INTRASTATE ACCESS

RECEIVED

4. SWITCHED ACCESS (Cont'd)

MAY 10 2000

4.6 Rates and Charges (Cont'd)

**MISSOURI
Public Service Commission**

4.6.2 Switched Transport

(A) Switched Transport Facility

Rates for each Access Minute, per airline mile.

Premium Rates
Switched Transport Facility
Per Access Minute Per
Airline Mile

\$.00053186

(B) Switched Transport Termination

Rates for each Access Minute, for each termination.

Premium Rates
Switched Transport Termination
Per Access Minute Per
Termination

\$.00491350

CANCELLED

SEP 06 2003
By *STC/S*
Public Service Commission
MISSOURI

FILED

AUG 01 2000
00 - 182
**MISSOURI
Public Service Commission**

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.2 Switched Transport (Cont'd)

	<u>Monthly Rate</u>	<u>Service Installation Charge</u>	
(H) <u>Direct-Trunked Transport</u>			(M) (T)
<u>Voice Grade</u>			
Facility – Per Mile	\$1.25		
Termination – Per Termination	7.99		
<u>DS1</u>			
Facility – Per Mile	\$7.15		
Termination – Per Termination	4.66		
<u>DS3</u>			
Facility – Per Airline Mile	\$49.15		
Termination – Per Termination	185.80		
(I) <u>Network Blocking Charge *</u>	<u>Per Blocked Call</u>		(T)
FGD Only	\$0.009		(M)
(J) <u>Entrance Facility-Voice Grade</u>			(T)
Per Entrance Facility			
2-Wire Voice Grade	\$18.30	\$174.80	
4-Wire Voice Grade	\$27.70	\$174.80	
(K) <u>Entrance Facility-DS1</u>			(T)
Per Entrance Facility	\$68.05	\$237.15	
(L) <u>Entrance Facility-DS3</u>			(T)
Per Entrance Facility	\$782.60	\$518.25	
(M) <u>Multiplexing</u>			(T)
DS1 to Voice	\$72.00	N/A	
DS3 to DS1	\$168.05	N/A	

* This flat rated charge was calculated based upon a 50/50 split between originating and terminating. The FCC in their FCC 11-161 ICC Transformation Order in Section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. When the terminating portion of the rate is reduced and then combined with the originating portion of the rate, a single flat rate is generated for billing purposes.

(M) Material moved from Sheet 151.

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MO2021-06

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FILED
Missouri Public
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JI-2021-0200

CANCELLED - Missouri Public Service Commission - 05/30/2023 - IN-2023-0394 - YI-2023-0207

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.2 Switched Transport (Cont'd)

	<u>Monthly Rate</u>	<u>Service Installation Charge</u>	
			(M)
			(M)
			(M1)
			(M1)
(H) <u>Entrance Facility-Voice Grade</u> Per Entrance Facility			(T)
2-Wire Voice Grade	\$18.30	\$174.80	
4-Wire Voice Grade	\$27.70	\$174.80	
(I) <u>Entrance Facility-DS1</u> Per Entrance Facility	\$68.05	\$237.15	(T)
(J) <u>Entrance Facility-DS3</u> Per Entrance Facility	\$782.60	\$518.25	(T)
(K) <u>Multiplexing</u>			(T)
DS1 to Voice	\$72.00	N/A	
DS3 to DS1	\$168.05	N/A	

(M) Material omitted from this sheet now appears on Sheet 152.2.

(M1) Material omitted from this sheet now appears on Sheet 151.

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CANCELLED
July 1, 2021
Missouri Public
Service Commission
JI-2021-0200

FILED
Missouri Public
Service Commission
JI-2013-0494

FACILITIES FOR INTRASTATE ACCESS

(N)

4. SWITCHED ACCESS (Cont'd)
4.6 Rates and Charges (Cont'd)
4.6.2 Switched Transport (Cont'd)

	<u>Monthly Rate</u>	<u>Service Installation Charge</u>
(I) <u>Dedicated Trunk Port</u>		
End Office - Per Channel		
- Voiceband	\$10.23	
- DS1	\$1.78	
Access Tandem - Per Channel		
- Voiceband	\$16.77	
- DS1	\$7.89	
(J) <u>Entrance Facility-Voice Grade</u>		
Per Entrance Facility		
2-Wire Voice Grade	\$18.30	\$174.80
4-Wire Voice Grade	\$27.70	\$174.80
(K) <u>Entrance Facility-DS1</u>		
Per Entrance Facility	\$68.05	\$237.15
(L) <u>Entrance Facility-DS3</u>		
Per Entrance Facility	\$782.60	\$518.25
(M) <u>Multiplexing</u>		
DS1 to Voice	\$72.00	N/A
DS3 to DS1	\$168.05	N/A

(N)

ISSUED: May 1, 2012

EFFECTIVE: July 3, 2012

Gary Kepley
Director - Regulatory Operations
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CANCELLED
July 2, 2013
Missouri Public
Service Commission
JI-2013-0494

FILED
Missouri Public
Service Commission
TT-2012-0317; YI-2012-0634

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services

(A) TFC Data Base Query Charges

Basic – Per Query	\$0.002224 (R)
Premium - Per Query	0.000000

(B) End Office Switching

LS2 (FGC and FGD)	
Originating Toll Free	0.0016965 (R)
Originating Non-Toll Free	0.028002660
Terminating	0.000000000

(C) Alternate Traffic Routing – BSE

<u>Nonrecurring Charge Per Trunk</u>	
<u>Group Equipped</u>	\$ 0.00

(D) Reserved

ISSUED: May 13, 2022

EFFECTIVE: July 1, 2022

MO2022-06

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FILED
Missouri Public
Service Commission
JI-2022-0258

CANCELLED - Missouri Public Service Commission - 05/30/2023 - IN-2023-0394 - YI-2023-0207

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services

(A) TFC Data Base Query Charges

Basic – Per Query	\$0.004248 (R)
Premium - Per Query	0.000000 (R)

(B) End Office Switching

LS2 (FGC and FGD)		(D)
Originating Toll Free	0.0033930 (R)	(D)
Originating Non-Toll Free	0.028002660	(C)
Terminating	0.000000000	(C)

(C) Alternate Traffic Routing – BSE

<u>Nonrecurring Charge Per Trunk</u>	
<u>Group Equipped</u>	\$ 0.00

(D) Reserved (T)(M)
|
(M)

(M) Material moved to Sheet 151.

ISSUED: May 14, 2021

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MO2021-06

CANCELLED
July 1, 2022
Missouri Public
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Monroe, Louisiana

FILED
Missouri Public
Service Commission
JI-2021-0200

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services

(A) TFC Data Base Query Charges

Basic – Per Query	\$.00994629
Premium - Per Query	.00994704

(B) End Office Switching

LS1 (FGA and FGB)	
Originating	.025475850
Terminating	.000000000 (R)

LS2 (FGC and FGD)	
Originating	.028002660
Terminating	.000000000 (R)

(C) Alternate Traffic Routing – BSE

<u>Nonrecurring Charge Per Trunk</u>		(T)
<u>Group Equipped</u>	\$ 0.00	

(D) Interconnection Rate

	<u>Rate Per Access Minute</u>	
	<u>Originating</u>	<u>Terminating</u>
Telephone Company Provided Transport	\$0.018883	\$0.000000

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FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services

(A) TFC Data Base Query Charges

Basic – Per Query	\$.00994629
Premium - Per Query	.00994704

(B) End Office Switching

LS1 (FGA and FGB)			
Originating	.025475850		
Terminating	.000700000	(R)	(C)

LS2 (FGC and FGD)			
Originating	.028002660		
Terminating	.000700000	(R)	(C)

(C) Alternate Traffic Routing – BSE

<u>Premium Nonrecurring Charge Per Trunk</u>	
<u>Group Equipped</u>	\$ 0.00

(D) Interconnection Rate

	<u>Rate Per Access Minute</u>	
	<u>Originating</u>	<u>Terminating</u>
Telephone Company Provided Transport	\$0.018883	\$0.000000

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New Century, Kansas

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services

(A) TFC Data Base Query Charges

Basic – Per Query	\$.00994629		
Premium - Per Query	.00994704		

(B) End Office Switching

LS1 (FGA and FGB)			
Originating	.025475850		
Terminating	.001453300	(R)	(C)

LS2 (FGC and FGD)			
Originating	.028002660		
Terminating	.001453300	(R)	(C)

(C) Alternate Traffic Routing – BSE

<u>Premium Nonrecurring Charge Per Trunk</u>			
<u>Group Equipped</u>	\$ 0.00		(T)

(D) Interconnection Rate

	<u>Rate Per Access Minute</u>		
	<u>Originating</u>	<u>Terminating</u>	
Telephone Company Provided Transport	\$0.018883	\$0.000000	

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Gary L. Kepley
Director, Regulatory Operations
New Century, Kansas

15-07A

CANCELLED
July 1, 2016
Missouri Public
Service Commission
YI-2016-0295

FILED
Missouri Public
Service Commission
JI-2015-0314

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services

(A) TFC Data Base Query Charges

Basic – Per Query	\$.00994629
Premium - Per Query	.00994704

(B) End Office Switching

LS1 (FGA and FGB)		
Originating	.025475850	
Terminating	.002312000	(R)

LS2 (FGC and FGD)		
Originating	.028002660	
Terminating	.002312000	(R)

(C) Alternate Traffic Routing – BSE

<u>Premium Nonrecurring Charge Per Trunk</u>		
<u>Group Equipped</u>	CF3AR	\$ 0.00

(D) Interconnection Rate

	<u>Rate Per Access Minute</u>	
	<u>Originating</u>	<u>Terminating</u>
Telephone Company Provided Transport	\$0.018883	\$0.000000

Issued: June 13, 2014

Effective: July 1, 2014

Gary L. Kepley
Director, Regulatory Operations
Overland Park, Kansas

CANCELED
July 1, 2015
Missouri Public
Service Commission
JI-2015-0314

FILED
Missouri Public
Service Commission
JI-2014-0543

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services

(A) TFC Data Base Query Charges

Basic – Per Query	\$	0.00994629
Premium - Per Query		.00994704

(B) End Office Switching

LS1 (FGA and FGB)			
Originating		.025475850	
Terminating		.002324100	(R)

LS2 (FGC and FGD)			
Originating		.028002660	
Terminating		.002324100	(R)

(C) Alternate Traffic Routing – BSE

<u>Premium Nonrecurring Charge Per Trunk</u>			
<u>Group Equipped</u>	CF3AR		\$ 0.00

(D) Interconnection Rate

		<u>Rate Per Access Minute</u>	
		<u>Originating</u>	<u>Terminating</u>
Telephone Company Provided Transport	\$0.018883		\$0.000000

Issued: May 1, 2014

Gary L. Kepley
Director, Regulatory Operations
Overland Park, Kansas

Effective: July 1, 2014

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services

(A) TFC Data Base Query Charges

Basic – Per Query	\$	0.00994629	
Premium - Per Query		.00994704	

(B) End Office Switching

LS1 (FGA and FGB)			
Originating		.025475850	(R)
Terminating		.003393000	

LS2 (FGC and FGD)			
Originating		.028002660	
Terminating		.003393000	

(C) Alternate Traffic Routing – BSE

<u>Premium Nonrecurring Charge Per Trunk</u>			
<u> Group Equipped</u>	CF3AR		\$ 0.00

(D) Interconnection Rate

		<u>Rate</u>	
	<u>Originating</u>		<u>Terminating</u>
Telephone Company Provided Transport	\$0.018883		\$0.000000

Issued: July 9, 2013

Effective: July 19, 2013

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services

(A) TFC Data Base Query Charges

Basic – Per Query	\$	00994629		(T)
Premium - Per Query		.00994704		(T)

(B) End Office Switching

LS1 (FGA and FGB)				(C)
Originating		.025478585		
Terminating		.003393000	(R)	

LS2 (FGC and FGD)				
Originating		.028002660		
Terminating		.003393000	(R)	(C)

(C) Alternate Traffic Routing – BSE

<u>Premium Nonrecurring Charge Per Trunk</u>					
<u> Group Equipped</u>	CF3AR	\$ 0.00	(R)	(C)	(T)

(D) Interconnection Rate

		<u>Rate</u>			(M)
		<u>Originating</u>	<u>Terminating</u>		
Telephone Company Provided Transport	\$0.018883	\$0.000000	(R)	(C)	(M)

(M) This material previously appeared on Sheet 151.

Issued: May 1, 2013

Effective: July 2, 2013

CANCELLED
July 19, 2013
Missouri Public
Service Commission
July 19, 2013

Gary L. Kepley
Director, Regulatory Operations
Overland Park, Kansas

FILED
Missouri Public
Service Commission
JI-2013-0494

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services

(A)	Basic 800/888/877 Data Base <u>Query Charge</u> Rate Per Query	Premium 800/888/877 Data Base <u>Query Charge</u> Rate Per Query
	\$.00994629 (I)	\$.00994704 (I)

(B) End Office Switching - Bundled (EOSB)

The bundled rates for End Office Switching are based on originating and terminating Access Minutes.

<u>Premium EOS1 Rate</u> <u>EOSB</u> Per Access Minute	<u>Premium EOS2 Rate</u> <u>EOSB</u> Per Access Minute
\$.02547585 (I)	\$.02800266 (I)

(C) End Office Switching Unbundled (EOSU) - Circuit Switched Line

The unbundled rates for End Office Switching are based on originating and terminating Access Minutes.

<u>Premium EOS1 Rate</u> <u>EOSU</u> Per Access Minute	<u>Premium EOS2 Rate</u> <u>EOSU</u> Per Access Minute
\$.02547585 (I)	\$.02800266 (I)

(D) End Office Switching - Unbundled (EOSU) - Circuit Switched Trunk

The unbundled rates for End Office Switching are based on originating and terminating Access Minutes.

<u>Premium EOS1 Rate</u> <u>EOSU</u> Per Access Minute	<u>Premium EOS2 Rate</u> <u>EOSU</u> Per Access Minute
\$.02547585 (I)	\$.02800266 (I)

(E) Alternate Traffic Routing - BSE

<u>Premium Nonrecurring</u> <u>Charge Per Trunk</u> <u>Group Equipped</u> (CF3AR)
\$ 68.35 (I)

Issued: July 15, 2008

Effective: September 1, 2008

Chantel Mosby
Director, Tariffs and Compliance
Monroe, Louisiana

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services

(A)	Basic 800/888/877 Data Base	Premium 800/888/877 Data Base
	<u>Query Charge</u>	<u>Query Charge</u>
	Rate	Rate
	<u>Per Query</u>	<u>Per Query</u>
	\$.0097220 (I)	\$.0097227 (I)

(B) End Office Switching - Bundled (EOSB)

The bundled rates for End Office Switching are based on originating and terminating Access Minutes.

<u>Premium EOS1 Rate</u>	<u>Premium EOS2 Rate</u>
<u>EOSB</u>	<u>EOSB</u>
<u>Per Access Minute</u>	<u>Per Access Minute</u>
\$.0249014 (I)	\$.02737118 (I)

(C) End Office Switching Unbundled (EOSU) - Circuit Switched Line

The unbundled rates for End Office Switching are based on originating and terminating Access Minutes.

<u>Premium EOS1 Rate</u>	<u>Premium EOS2 Rate</u>
<u>EOSU</u>	<u>EOSU</u>
<u>Per Access Minute</u>	<u>Per Access Minute</u>
\$.0249014 (I)	\$.02737118 (I)

(D) End Office Switching - Unbundled (EOSU) - Circuit Switched Trunk

The unbundled rates for End Office Switching are based on originating and terminating Access Minutes.

<u>Premium EOS1 Rate</u>	<u>Premium EOS2 Rate</u>
<u>EOSU</u>	<u>EOSU</u>
<u>Per Access Minute</u>	<u>Per Access Minute</u>
\$.0249014 (I)	\$.02737118 (I)

(E) Alternate Traffic Routing - BSE

<u>Premium Nonrecurring</u>
<u>Charge Per Trunk</u>
<u>Group Equipped</u>
(CF3AR)
\$ 66.81 (I)

Issued: July 16, 2007

Effective: September 1, 2007

Chantel Mosby
Manager, Tariffs and Compliance
Monroe, Louisiana

CANCELLED
September 1, 2008
Missouri Public
Service Commission

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Missouri Public
Service Commission

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services

(A)	Basic 800/888/877 Data Base Query Charge Rate Per Query	Premium 800/888/877 Data Base Query Charge Rate Per Query
	\$.0095420 (R)	\$.0095425 (R)

(B) End Office Switching - Bundled (EOSB)

The bundled rates for End Office Switching are based on originating and terminating Access Minutes.

Premium EOS1 Rate EOSB Per Access Minute	Premium EOS2 Rate EOSB Per Access Minute
\$.0244398 (R)	\$.02686380 (R)

(C) End Office Switching Unbundled (EOSU) - Circuit Switched Line

The unbundled rates for End Office Switching are based on originating and terminating Access Minutes.

Premium EOS1 Rate EOSU Per Access Minute	Premium EOS2 Rate EOSU Per Access Minute
\$.0244398 (R)	\$.02686380 (R)

(D) End Office Switching - Unbundled (EOSU) - Circuit Switched Trunk

The unbundled rates for End Office Switching are based on originating and terminating Access Minutes.

Premium EOS1 Rate EOSU Per Access Minute	Premium EOS2 Rate EOSU Per Access Minute
\$.0244398 (R)	\$.02686380 (R)

(E) Alternate Traffic Routing - BSE

Premium Nonrecurring Charge Per Trunk Group Equipped (CF3AR)
\$ 65.58 (R)

Issued: July 14, 2006

Effective: September 1, 2006

Chantel Mosby
Manager, Tariffs and Compliance
Monroe, Louisiana

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services

(A)	Basic 800/888/877 Data Base <u>Query Charge</u> Rate Per Query	Premium 800/888/877 Data Base <u>Query Charge</u> Rate Per Query	
	\$.0095576	\$.0095576	(R)

(B) End Office Switching - Bundled (EOSB)

The bundled rates for End Office Switching are based on originating and terminating Access Minutes.

<u>Premium EOS1 Rate</u> <u>EOSB</u> Per Access Minute	<u>Premium EOS2 Rate</u> <u>EOSB</u> Per Access Minute	
\$.0244784	\$.02690626	(R)

(C) End Office Switching Unbundled (EOSU) - Circuit Switched Line

The unbundled rates for End Office Switching are based on originating and terminating Access Minutes.

<u>Premium EOS1 Rate</u> <u>EOSU</u> Per Access Minute	<u>Premium EOS2 Rate</u> <u>EOSU</u> Per Access Minute	
\$.0244784	\$.02690626	(R)

(D) End Office Switching - Unbundled (EOSU) - Circuit Switched Trunk

The unbundled rates for End Office Switching are based on originating and terminating Access Minutes.

<u>Premium EOS1 Rate</u> <u>EOSU</u> Per Access Minute	<u>Premium EOS2 Rate</u> <u>EOSU</u> Per Access Minute	
\$.0244784	\$.02690626	(R)

(E) Alternate Traffic Routing - BSE

<u>Premium Nonrecurring</u> <u>Charge Per Trunk</u> <u>Group Equipped</u> (CF3AR)		
\$ 65.68		(R)

Issued: August 1, 2005

Effective: September 1, 2005

Chantel Mosby
Manager, Tariffs and Compliance
Monroe, Louisiana

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services

(A)	Basic 800/888/877 Data Base <u>Query Charge</u> Rate Per Query	Premium 800/888/877 Data Base <u>Query Charge</u> Rate Per Query	
	\$.00976287	\$.00976287	(R)

(B) End Office Switching - Bundled (EOSB)

The bundled rates for End Office Switching are based on originating and terminating Access Minutes.

<u>Premium EOS1 Rate</u> <u>EOSB</u> Per Access Minute	<u>Premium EOS2 Rate</u> <u>EOSB</u> Per Access Minute	
\$.025004	\$.027484	(R)

(C) End Office Switching Unbundled (EOSU) - Circuit Switched Line

The unbundled rates for End Office Switching are based on originating and terminating Access Minutes.

<u>Premium EOS1 Rate</u> <u>EOSU</u> Per Access Minute	<u>Premium EOS2 Rate</u> <u>EOSU</u> Per Access Minute	
\$.025004	\$.027484	(R)

(D) End Office Switching - Unbundled (EOSU) - Circuit Switched Trunk

The unbundled rates for End Office Switching are based on originating and terminating Access Minutes.

<u>Premium EOS1 Rate</u> <u>EOSU</u> Per Access Minute	<u>Premium EOS2 Rate</u> <u>EOSU</u> Per Access Minute	
\$.025004	\$.027484	(R)

(E) Alternate Traffic Routing - BSE

Premium Nonrecurring
Charge Per Trunk
Group Equipped
(CF3AR)

\$ 67.09

CANCELLED

SEP 01 2005
By 3rd RS 152
Public Service Commission
MISSOURI

Issued: July 16, 2004

Effective: September 1, 2004

Chantel Mosby
Manager, Tariffs and Compliance
Monroe, Louisiana

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MO PSC

FACILITIES FOR INTRASTATE ACCESS

Missouri Public

4. SWITCHED ACCESS (Cont'd)

REC'D JUL 23 2003

4.6 Rates and Charges (Cont'd)

Service Commission

4.6.3 End Office Services

(A) Basic 800/888/877 Data Base Premium 800/888/877 Data Base
Query Charge Query Charge

Rate Rate
Per Query Per Query
\$.0100217 \$.0100217

(I)

(B) End Office Switching - Bundled (EOSB)

The bundled rates for End Office Switching are based on originating and terminating Access Minutes.

Premium EOS1 Rate Premium EOS2 Rate
EOSB EOSB
Per Access Minute Per Access Minute
\$.025667 \$.028213

(I)

(C) End Office Switching Unbundled (EOSU) - Circuit Switched Line

The unbundled rates for End Office Switching are based on originating and terminating Access Minutes.

Premium EOS1 Rate Premium EOS2 Rate
EOSU EOSU
Per Access Minute Per Access Minute
\$.025667 \$.028213

(I)

(D) End Office Switching - Unbundled (EOSU) - Circuit Switched Trunk

The unbundled rates for End Office Switching are based on originating and terminating Access Minutes.

Premium EOS1 Rate Premium EOS2 Rate
EOSU EOSU
Per Access Minute Per Access Minute
\$.025667 \$.028213

(I)

(E) Alternate Traffic Routing - BSE

Premium Nonrecurring
Charge Per Trunk
Group Equipped
(CF3AR)
\$ 67.09

CANCELLED

SEP 01 2004
By *20RS152*
Public Service Commission
MISSOURI

FACILITIES FOR INTRASTATE ACCESS

RECEIVED

MAY 10 2000

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services

MISSOURI Public Service Commission

(A)	<u>Basic 800/888/877 Data Base Query Charge</u>	<u>Premium 800/888/877 Data Base Query Charge</u>
	<u>Rate Per Query</u>	<u>Rate Per Query</u>
	\$.01	\$.01

(B) End Office Switching - Bundled (EOSB)

The bundled rates for End Office Switching are based on originating and terminating Access Minutes.

<u>Premium EOS1 Rate EOSB Per Access Minute</u>	<u>Premium EOS2 Rate EOSB Per Access Minute</u>
\$.0256119	\$.0281522

(C) End Office Switching Unbundled (EOSU) - Circuit Switched Line

The unbundled rates for End Office Switching are based on originating and terminating Access Minutes.

<u>Premium EOS1 Rate EOSU Per Access Minute</u>	<u>Premium EOS2 Rate EOSU Per Access Minute</u>
\$.0256117	\$.0281520

(D) End Office Switching - Unbundled (EOSU) - Circuit Switched Trunk

The unbundled rates for End Office Switching are based on originating and terminating Access Minutes.

<u>Premium EOS1 Rate EOSU Per Access Minute</u>	<u>Premium EOS2 Rate EOSU Per Access Minute</u>
\$.0256117	\$.0281520

(E) Alternate Traffic Routing - BSE

Premium Nonrecurring Charge Per Trunk Group Equipped (CF3AR)

\$ **CANCELLED**

SEP 06 2003
by *15hrs 132.*
Public Service Commission
MISSOURI

FILED

AUG 01 2000
00 - 182
MISSOURI
Public Service Commission

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services (Cont'd)

(E)	<u>Automatic Number Identification (ANI) – BSE</u>			(T)
	Per ANI Attempt		\$.000000 (R)	(C) (T)
(F)	<u>User Transfer – BSE</u>			(T)
	Monthly Rate			
	Per Line Arranged	(EO3)	\$ 1.50	(T)
(G)	<u>Hunt Group Arrangement – BSE</u>			(T)
	Premium Monthly Rate			
	Per Line Equipped	(CF3HG)	\$.05	(T)
(H)	<u>Queuing – BSE</u>			(T)
	Premium Monthly Rate			
	Per Group Equipped	(CF3QU)	\$ 15.26	(T)
(I)	<u>Uniform Call Distribution – BSE</u>			(T)
	Premium Monthly Rate			
	Per Line Equipped	(CF3UD)	\$ 5.08	(T)
				(D)
				(D)

CANCELLED - Missouri Public Service Commission - 05/30/2023 - IN-2023-0394 - YI-2023-0207

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services (Cont'd)

(F) Automatic Number Identification (ANI) – BSE

Rate
Per ANI Attempt

\$.00014257 (I)

(G) User Transfer – BSE

Monthly Rate
Per Line Arranged
(EO3)

\$ 1.50 (I)

(H) Hunt Group Arrangement – BSE

Premium Monthly Rate
Per Line Equipped
(CF3HG)

\$.05

(I) Queuing – BSE

Premium Monthly Rate
Per Group Equipped
(CF3QU)

\$ 15.26 (I)

(J) Uniform Call Distribution – BSE

Premium Monthly Rate
Per Line Equipped
(CF3UD)

\$ 5.08 (I)

(K) (Reserved for Future Use)

Issued: July 15, 2008

Effective: September 1, 2008

Chantel Mosby
Director, Tariffs and Compliance
Monroe, Louisiana

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services (Cont'd)

(F) Automatic Number Identification (ANI) – BSE

Rate
Per ANI Attempt

\$.00013936 (I)

(G) User Transfer – BSE

Monthly Rate
Per Line Arranged
(EO3)

\$ 1.47 (I)

(H) Hunt Group Arrangement – BSE

Premium Monthly Rate
Per Line Equipped
(CF3HG)

\$.05

(I) Queuing – BSE

Premium Monthly Rate
Per Group Equipped
(CF3QU)

\$ 14.92 (I)

(J) Uniform Call Distribution – BSE

Premium Monthly Rate
Per Line Equipped
(CF3UD)

\$ 4.97 (I)

(K) (Reserved for Future Use)

Issued: July 16, 2007

Chantel Mosby
Manager, Tariffs and Compliance
Monroe, Louisiana

Effective: September 1, 2007

CANCELLED
September 1, 2008
Missouri Public
Service Commission

FILED
Missouri Public
Service Commission

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services (Cont'd)

(F) Automatic Number Identification (ANI) – BSE

Rate
Per ANI Attempt

\$.00013678 (R)

(G) User Transfer – BSE

Monthly Rate
Per Line Arranged
(EO3)

\$ 1.45 (R)

(H) Hunt Group Arrangement – BSE

Premium Monthly Rate
Per Line Equipped
(CF3HG)

\$.05 (R)

(I) Queuing – BSE

Premium Monthly Rate
Per Group Equipped
(CF3QU)

\$ 14.65 (R)

(J) Uniform Call Distribution – BSE

Premium Monthly Rate
Per Line Equipped
(CF3UD)

\$ 4.88 (R)

(K) (Reserved for Future Use)

Issued: July 14, 2006

Chantel Mosby
Manager, Tariffs and Compliance
Monroe, Louisiana

Effective: September 1, 2006

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services (Cont'd)

(F) Automatic Number Identification (ANI) – BSE

Rate
Per ANI Attempt

\$.00013700

(R)

(G) User Transfer – BSE

Monthly Rate
Per Line Arranged
(EO3)

\$ 1.46

(R)

(H) Hunt Group Arrangement – BSE

Premium Monthly Rate
Per Line Equipped
(CF3HG)

\$.06

(R)

(I) Queuing – BSE

Premium Monthly Rate
Per Group Equipped
(CF3QU)

\$ 14.68

(R)

(J) Uniform Call Distribution – BSE

Premium Monthly Rate
Per Line Equipped
(CF3UD)

\$ 4.89

(R)

(K) (Reserved for Future Use)

Issued: August 1, 2005

Effective: September 1, 2005

Chantel Mosby
Manager, Tariffs and Compliance
Monroe, Louisiana

Cancelled

September 1, 2006

Missouri Public
Service Commission

Filed

Missouri Public
Service Commission

FACILITIES FOR INTRASTATE ACCESS

RECEIVED

4. SWITCHED ACCESS (Cont'd)

MAY 10 2000

4.6 Rates and Charges (Cont'd)

**MISSOURI
Public Service Commission**

4.6.3 End Office Services (Cont'd)

(F) Automatic Number Identification (ANI) - BSE

Rate
Per ANI Attempt

\$.00014

(G) User Transfer - BSE

Monthly Rate
Per Line Arranged
(EO3)

\$ 1.50

(H) Hunt Group Arrangement - BSE

Premium Monthly Rate
Per Line Equipped
(CF3HG)

\$.07

(I) Queuing - BSE

Premium Monthly Rate
Per Group Equipped
(CF3QU)

\$ 15.00

(J) Uniform Call Distribution - BSE

Premium Monthly Rate
Per Line Equipped
(CF3UD)

\$ 5.00

(K) (Reserved for Future Use)

CANCELLED

SEP 01 2005
By *ISRS/SL*
Public Service Commission
MISSOURI

FILED

AUG 01 2000
00 - 182
**MISSOURI
Public Service Commission**

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services (Cont'd)

(J) Remote Call Forwarding - BSE

<u>Premium Monthly Rate</u>	
<u>Per Line</u>	\$16.28

(K) Direct Inward Dialing (DID) - BSE

	<u>Monthly Rate</u>
<u>Per DID Term</u>	\$35.64
<u>Per Block of 20 Numbers</u>	18.33

(L) Billed Number Screening (BNS) - BSE

<u>Per Lines Screened</u>	\$4.16
---------------------------	--------

		<u>Rate Per Access Minute</u>	
	<u>Originating</u>	<u>Originating</u>	<u>Terminating</u>
	<u>Toll-Free</u>	<u>Non-Toll Free</u>	
(M) <u>Shared Trunk Port</u>			
Per Access Minute	\$0.000859(R)	\$0.001718	\$0.000000

(N) Dedicated Trunk Port (Note 1)

	<u>Monthly Rate</u>
	<u>Per Channel</u>
Voice Grade	\$ 5.12
DS1	\$ 0.89

Note 1: The End Office Dedicated Trunk Port rate was calculated based upon a 50/50 split between originating and terminating traffic using this flat-rated port. The FCC in their FCC 11-161 ICC Transformation order in section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. When the terminating portion of the rate is reduced and then combined with the originating portion of the rate, a single flat rate is generated for billing purposes. The Originating portion of the Voce Grade charge is \$5.12 and the Originating portion of the DS1 charge is \$0.89.

ISSUED: May 13, 2022

EFFECTIVE: July 1, 2022

Chantel Bosworth
Director Government Operations
Monroe, Louisiana

MO2022-06

FILED
Missouri Public
Service Commission
JI-2022-0258

CANCELLED - Missouri Public Service Commission - 05/30/2023 - IN-2023-0394 - YI-2023-0207

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services (Cont'd)

(J) Remote Call Forwarding - BSE

<u>Premium Monthly Rate</u>	
<u>Per Line</u>	\$16.28

(K) Direct Inward Dialing (DID) - BSE

<u>Per DID Term</u>	<u>Monthly Rate</u>
	\$35.64
<u>Per Block of 20 Numbers</u>	18.33

(L) Billed Number Screening (BNS) - BSE

<u>Per Lines Screened</u>	\$4.16
---------------------------	--------

		<u>Rate Per Access Minute</u>		
	<u>Originating</u>	<u>Originating</u>	<u>Terminating</u>	
	<u>Toll-Free</u>	<u>Non-Toll Free</u>		
(M) <u>Shared Trunk Port</u>				
Per Access Minute	\$0.001718	\$0.001718	\$0.000000	

(C)

(N) <u>Dedicated Trunk Port</u> (Note 1)		<u>Monthly Rate</u>
		<u>Per Channel</u>
Voice Grade		\$ 5.12
DS1		\$ 0.89

Note 1: The End Office Dedicated Trunk Port rate was calculated based upon a 50/50 split between originating and terminating traffic using this flat-rated port. The FCC in their FCC 11-161 ICC Transformation order in section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. When the terminating portion of the rate is reduced and then combined with the originating portion of the rate, a single flat rate is generated for billing purposes. The Originating portion of the Voce Grade charge is \$5.12 and the Originating portion of the DS1 charge is \$0.89.

ISSUED: May 14, 2021

EFFECTIVE: July 1, 2021

MO2021-06
CANCELLED
July 1, 2022
Missouri Public
Service Commission
JI-2022-0258

Chantel Bosworth
Director Government Operations
Monroe, Louisiana

FILED
Missouri Public
Service Commission
JI-2021-0200

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services (Cont'd)

(J) Remote Call Forwarding - BSE

<u>Premium Monthly Rate</u>		
<u>Per Line</u>	\$16.28	(T)

(K) Direct Inward Dialing (DID) - BSE

<u>Per DID Term</u>	<u>Monthly Rate</u>	
	\$35.64	(T)

<u>Per Block of 20 Numbers</u>	18.33	(T)
--------------------------------	-------	-----

(L) Billed Number Screening (BNS) - BSE

<u>Per Lines Screened</u>	\$4.16	(T)
---------------------------	--------	-----

	<u>Rate Per Access Minute</u>		
	<u>Originating</u>	<u>Terminating</u>	
(M) <u>Shared Trunk Port</u>			
<u>Per Access Minute</u>	\$0.001718	\$0.0007368 (R)	(C)

(N) <u>Dedicated Trunk Port Note 1</u>		<u>Monthly Rate</u>	
		<u>Per Channel</u>	

Voice Grade	\$10.23
DS1	\$ 1.78

Note 1: The End Office Dedicated Trunk Port rate was calculated assuming a 50/50 split of the originating and terminating traffic using this flat-rated port. The FCC in their FCC 11-161 ICC Transformation order in section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. When the terminating portion of the rate is reduced and then combined with the originating portion of the rate a single flat rate is generated for billing purposes. The Originating portion of the Voce Grade charge is \$5.12 and the Originating portion of the DS1 charge is \$0.89.

Issued: May 1, 2015

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15-07A

CANCELLED
July 1, 2016
Missouri Public
Service Commission
YI-2016-0295

Gary Kopley
Director - Regulatory Operations
New Century, Kansas

FILED
Missouri Public
Service Commission
JI-2015-0314

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services (Cont'd)

(J) Remote Call Forwarding - BSE

<u>Premium Monthly Rate</u>		
<u>Per Line</u>	(FOMPX)	\$16.28

(K) Direct Inward Dialing (DID) - BSE

<u>Per DID Term</u>	(NDT)	<u>Monthly Rate</u>
		\$35.64

Per Block of 20 Numbers (ND4) 18.33

(L) Billed Number Screening (BNS) - BSE

<u>Per Lines Screened</u>	(RTVXQ)	\$4.16
---------------------------	---------	--------

		<u>Rate Per Access Minute</u>	
		<u>Originating</u>	<u>Terminating</u>
(M) <u>Shared Trunk Port</u>			
<u>Per Access Minute</u>		\$0.001718	\$0.001718

(N) Dedicated Trunk Port (Note 1)

Monthly Rate (T)
Per Channel

Voice Grade	\$10.23
DS1	\$1.78

Note 1: The End Office Dedicated Trunk Port rate was calculated assuming a 50/50 split of the originating and terminating traffic using this flat-rated port. The FCC in their FCC 11-161 ICC Transformation order in section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. When the terminating portion of the rate is reduced and then combined with the originating portion of the rate a single flat rate is generated for billing purposes. The Originating portion of the Voce Grade charge is \$5.12 and the Originating portion of the DS1 charge is \$0.89.

(N)
|
(N)

Issued: May 1, 2014

Effective: July 1, 2014

CANCELED
July 1, 2015
Missouri Public
Service Commission
JI-2015-0314

Gary Kepley
Director - Regulatory Operations
Overland Park, Kansas

FILED
Missouri Public
Service Commission
JI-2014-0439

FACILITIES FOR INTRASTATE ACCESS Cancels 5th Revised Sheet 152.2

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services (Cont'd)

(J)	<u>Remote Call Forwarding - BSE</u>			(T)
	<u>Premium Monthly Rate</u>			
	<u>Per Line</u>	(FOMPX)	\$16.28	(T)
(K)	<u>Direct Inward Dialing (DID) - BSE</u>			(T)
	<u>Per DID Term</u>	(NDT)	<u>Monthly Rate</u> \$35.64	
	<u>Per Block of 20 Numbers</u>	(ND4)	18.33	(T)
(L)	<u>Billed Number Screening (BNS) - BSE</u>			(T)
	<u>Per Lines Screened</u>	(RTVXQ)	\$4.16	(T)
			<u>Rate</u>	
		<u>Originating</u>	<u>Terminating</u>	
(M)	<u>Shared Trunk Port</u>			(T)
	<u>Per Access Minute</u>	\$0.001718	\$0.001718	
(N)	<u>Dedicated Trunk Port</u>		<u>Monthly Rate</u>	(M)
	<u>Per Channel</u>			
	<u>Voice Grade</u>		\$10.23	
	<u>DS1</u>		\$1.78	(M)

(M) This material previously appeared on sheet 151.1.

Issued: May 1, 2013

Effective: July 2, 2013

CANCELLED
July 1, 2014
Missouri Public
Service Commission
JI-2014-0439

Gary Kepley
Director - Regulatory Operations
Overland Park, Kansas

FILED
Missouri Public
Service Commission
JI-2013-0494

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services (Cont'd)

(L) Remote Call Forwarding - BSE

Premium Monthly Rate
Per Line
(FOMPX)

\$16.28

(M) Direct Inward Dialing (DID) - BSE

Monthly Rate
Per DID Term
(NDT)

\$35.64

Monthly Rate
Per Block of 20 Numbers
(ND4)

\$18.33

(N) Billed Number Screening (BNS) - BSE

Monthly Rate
Per Lines Screened
(RTVXQ)

\$4.16

(O) Shared Trunk Port
Per Access Minute

	<u>Rate</u>	
	<u>Originating</u>	<u>Terminating</u>
	\$0.001718	\$0.001718

(N)
|
(N)

ISSUED: May 1, 2012

EFFECTIVE: July 3, 2012

Gary Kepley
Director - Regulatory Operations
Overland Park, Kansas

CANCELLED
July 2, 2013
Missouri Public
Service Commission
JI-2013-0494

FILED
Missouri Public
Service Commission
TT-2012-0317; YI-2012-0634

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services (Cont'd)

(L) Remote Call Forwarding – BSE
Premium Monthly Rate

Per Line
(FOMPX)

\$ 16.28 (I)

(M) Direct Inward Dialing (DID) – BSE

Monthly Rate
Per DID Term
(NDT)

\$ 35.64 (I)

Monthly Rate
Per Block of 20 Numbers
(ND4)

\$ 18.33 (I)

(N) Billed Number Screening (BNS) – BSE

Monthly Rate
Per Lines Screened
(RTVXQ)

\$ 4.16 (I)

CANCELLED
April 11, 2011
Missouri Public
Service Commission
TT-2012-0317
YI-2012-0634

Issued: July 15, 2008

Effective: September 1, 2008

Chantel Mosby
Director, Tariffs and Compliance
Monroe, Louisiana

FILED
Missouri Public
Service Commission

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services (Cont'd)

(L) Remote Call Forwarding – BSE
Premium Monthly Rate

Per Line
(FOMPX)

\$ 15.92 (I)

(M) Direct Inward Dialing (DID) – BSE

Monthly Rate
Per DID Term
(NDT)

\$ 34.84 (I)

Monthly Rate
Per Block of 20 Numbers
(ND4)

\$ 17.92 (I)

(N) Billed Number Screening (BNS) – BSE

Monthly Rate
Per Lines Screened
(RTVXQ)

\$ 4.07 (I)

Issued: July 16, 2007

Effective: September 1, 2007

Chantel Mosby
Manager, Tariffs and Compliance
Monroe, Louisiana

CANCELLED
September 1, 2008
Missouri Public
Service Commission

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Missouri Public
Service Commission

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services (Cont'd)

(L) Remote Call Forwarding – BSE
Premium Monthly Rate
Per Line
(FOMPX)

\$ 15.63 (R)

(M) Direct Inward Dialing (DID) – BSE

Monthly Rate
Per DID Term
(NDT)

\$ 34.20 (R)

Monthly Rate
Per Block of 20 Numbers
(ND4)

\$ 17.59 (R)

(N) Billed Number Screening (BNS) – BSE

Monthly Rate
Per Lines Screened
(RTVXQ)

\$ 4.00 (R)

Issued: July 14, 2006

Chantel Mosby
Manager, Tariffs and Compliance
Monroe, Louisiana

Effective: September 1, 2006

CANCELLED
Sept. 1, 2007
Missouri Public
Service Commission

Filed
Missouri Public
Service Commission

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services (Cont'd)

(L) Remote Call Forwarding -- BSE
Premium Monthly Rate
Per Line
(FOMPX)

\$ 15.66

(R)

(M) Direct Inward Dialing (DID) -- BSE

Monthly Rate
Per DID Term
(NDT)

\$ 34.26

Monthly Rate
Per Block of 20 Numbers
(ND4)

\$ 17.62

(R)

(N) Billed Number Screening (BNS) -- BSE

Monthly Rate
Per Lines Screened
(RTVXQ)

\$ 4.01

(R)

Issued: August 1, 2005

Effective: September 1, 2005

Chantel Mosby
Manager, Tariffs and Compliance
Monroe, Louisiana

Cancelled
September 1, 2006
Missouri Public
Service Commission

Filed
Missouri Public
Service Commission

FACILITIES FOR INTRASTATE ACCESS

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Public Service Commission

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services (Cont'd)

(L) Remote Call Forwarding - BSE

Premium Monthly Rate
Per Line
(FOMPX)

\$ 16.00

(M) Direct Inward Dialing (DID) - BSE

Monthly Rate
Per DID Term
(NDT)

\$ 35.00

Monthly Rate
Per Block of 20 Numbers
(ND4)

\$ 18.00

(N) Billed Number Screening (BNS) - BSE

Monthly Rate
Per Lines Screened
(RTVXQ)

\$ 4.10

CANCELLED

SEP 01 2005
By *154RS152.2*
Public Service Commission
MISSOURI

FILED

AUG 01 2000
00-182

MISSOURI
Public Service Commission

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.4 Information Surcharge

	<u>Originating Toll-Free</u>	<u>Originating Non-Toll Free</u>	<u>Terminating</u>	(C)
Per Access Minute	\$0.000000 (R)	\$0.00008429	\$0.000000	(C)

4.6.5 FGA or BSA-A Usage Sensitive Credit Allowance

<u>Credit Per Originating FGA or BSA-A Access Minute #</u>	\$.00049351
--	-------------

4.6.6 (Reserved For Future Use)

4.6.7 Assumed Minutes of Use Monthly Surrogate

<u>Per Two Way Line/Trunk Originating Only</u>		<u>Per One Way Line/Trunk Terminating Only</u>			
<u>FGA or BSA-A</u>	<u>FGB or BSA-B</u>	<u>FGA or BSA-A</u>	<u>FGB or BSA-B</u>	<u>FGA or BSA-A</u>	<u>FGB or BSA-B</u>
2,451	(1)	(1)	(1)	(1)	(1)

4.6.8 Carrier Identification Parameter (CIP)

Non-Recurring Charge Per CIC

<u>Per End Office Direct Trunk Group</u>	<u>Per Access Tandem Direct Trunk Group</u>	<u>Monthly Recurring Charges Per Trunk</u>
\$80.00	\$1,120.00	\$0.45657581

The credit is applied to the End Office Switching rate element.

(1) These jurisdictions either have all existing services measured or have no customers at this time. In the event an ASR is received for a new customer and there is no measurement capability for the office requested, a traffic study will be made to establish a surrogate and such surrogate will be tarified.

ISSUED: May 14, 2021

EFFECTIVE: July 1, 2021

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.4 Information Surcharge

The rates for Information Surcharge are based on originating and terminating Access Minutes.

	<u>Originating</u>	<u>Terminating</u>	
Per Access Minute	\$.00008429	\$.0000000 (R)	(C)

4.6.5 FGA or BSA-A Usage Sensitive Credit Allowance

<u>Credit Per Originating FGA or BSA-A Access Minute #</u>	\$.00049351	(T)
--	-------------	-----

4.6.6 (Reserved For Future Use)

4.6.7 Assumed Minutes of Use Monthly Surrogate

<u>Per Two Way Line/Trunk Originating Only</u>		<u>Per One Way Line/Trunk Terminating Only</u>				
<u>FGA or BSA-A</u>	<u>FGB or BSA-B</u>	<u>FGA or BSA-A</u>	<u>FGB or BSA-B</u>	<u>FGA or BSA-A</u>	<u>FGB or BSA-B</u>	
2,451	(1)	(1)	(1)	(1)	(1)	(Z)

4.6.8 Carrier Identification Parameter (CIP)

<u>Non-Recurring Charge-Per CIC.</u>			
<u>Per End Office Direct Trunk Group</u>	<u>Per Access Tandem Direct Trunk Group</u>	<u>Monthly Recurring Charges Per Trunk</u>	
\$80.00	\$1,120.00	\$0.45657581	(T)

The credit is applied to the End Office Switching rate element.

(1) These jurisdictions either have all existing services measured or have no customers at this time. In the event an ASR is received for a new customer and there is no measurement capability for the office requested, a traffic study will be made to establish a surrogate and such surrogate will be tariffed.

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Gary Kepley
Director - Regulatory Operations
Overland Park, Kansas

CANCELLED
July 1, 2021
Missouri Public
Service Commission
JI-2021-0200

FILED
Missouri Public
Service Commission
JI-2013-0494

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.4 Information Surcharge

The rates for Information Surcharge are based on originating and terminating Access Minutes.

Premium Rates
Information Surcharge

Per Access Minute

\$.00008429 (I)

4.6.5 FGA or BSA-A Usage Sensitive Credit Allowance

Usage Sensitive Service
Credit Allowance
Credit Per Originating FGA or BSA-A Access Minute #

\$.00049351 (I)

4.6.6 (Reserved For Future Use)*

4.6.7 Assumed Minutes of Use Monthly Surrogate

<u>Per Two Way</u> <u>Line/Trunk</u> <u>Originating</u> <u>Only</u>		<u>Per One Way</u> <u>Line/Trunk</u> <u>Terminating</u> <u>Only</u>		<u>FGA or</u> <u>BSA-A</u>	<u>FGB or</u> <u>BSA-B</u>
<u>FGA or</u> <u>BSA-A</u>	<u>FGB or</u> <u>BSA-B</u>	<u>FGA or</u> <u>BSA-A</u>	<u>FGB or</u> <u>BSA-B</u>	<u>FGA or</u> <u>BSA-A</u>	<u>FGB or</u> <u>BSA-B</u>
2451	(1)	(1)	(1)	(1)	(1)

4.6.8 Carrier Identification Parameter (CIP)

<u>Non-Recurring</u> <u>Charge-Per CIP.</u> <u>Per End Office</u> <u>Direct Trunk</u> <u>Group</u>	<u>Non-Recurring</u> <u>Charge Per CIP.</u> <u>Per Access Tandem</u> <u>Direct Trunk</u> <u>Group</u>	<u>Monthly Recurring</u> <u>Charges</u> <u>Per Trunk</u>
\$80.00	\$1,120.00	\$0.45657581 (I)

* The Equal Access Cost Recovery Charge has been eliminated.
The credit is applied to the End Office Switching rate element.
(1) These jurisdictions either have all existing services measured or have no customers at this time. In the event an ASR is received for a new customer and there is no measurement capability for the office requested, a traffic study will be made to establish a surrogate and such surrogate will be tariffed.

Issued: July 15, 2008

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Chantel Mosby
Director, Tariffs and Compliance
Monroe, Louisiana

CANCELLED
July 2, 2013
Missouri Public
Service Commission
JI-2013-0494

FILED
Missouri Public
Service Commission

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.4 Information Surcharge

The rates for Information Surcharge are based on originating and terminating Access Minutes.

Premium Rates
Information Surcharge

Per Access Minute

\$.00008239 (1)

4.6.5 FGA or BSA-A Usage Sensitive Credit Allowance

Usage Sensitive Service
Credit Allowance
Credit Per Originating FGA or BSA-A Access Minute #

\$.0004824 (1)

4.6.6 (Reserved For Future Use)*

4.6.7 Assumed Minutes of Use Monthly Surrogate

<u>Per Two Way</u> <u>Line/Trunk</u> <u>Originating</u> <u>Only</u>		<u>Per One Way</u> <u>Line/Trunk</u> <u>Terminating</u> <u>Only</u>		<u>FGA or</u> <u>BSA-A</u>	<u>FGB or</u> <u>BSA-B</u>
<u>FGA or</u> <u>BSA-A</u>	<u>FGB or</u> <u>BSA-B</u>	<u>FGA or</u> <u>BSA-A</u>	<u>FGB or</u> <u>BSA-B</u>	<u>FGA or</u> <u>BSA-A</u>	<u>FGB or</u> <u>BSA-B</u>
2451	(1)	(1)	(1)	(1)	(1)

4.6.8 Carrier Identification Parameter (CIP)

<u>Non-Recurring</u> <u>Charge-Per CIC.</u> <u>Per End Office</u> <u>Direct Trunk</u> <u>Group</u>	<u>Non-Recurring</u> <u>Charge Per CIC.</u> <u>Per Access Tandem</u> <u>Direct Trunk</u> <u>Group</u>	<u>Monthly Recurring</u> <u>Charges</u> <u>Per Trunk</u>
\$80.00	\$1,120.00	\$0.4462797 (1)

* The Equal Access Cost Recovery Charge has been eliminated.
The credit is applied to the End Office Switching rate element.
(1) These jurisdictions either have all existing services measured or have no customers at this time. In the event an ASR is received for a new customer and there is no measurement capability for the office requested, a traffic study will be made to establish a surrogate and such surrogate will be tariffed.

Issued: July 16, 2007

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Chantel Mosby
Manager, Tariffs and Compliance
Monroe, Louisiana

CANCELLED
September 1, 2008
Missouri Public
Service Commission

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Missouri Public
Service Commission

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.4 Information Surcharge

The rates for Information Surcharge are based on originating and terminating Access Minutes.

Premium Rates
Information Surcharge

Per Access Minute

\$.0000809 (R)

4.6.5 FGA or BSA-A Usage Sensitive Credit Allowance

Usage Sensitive Service
Credit Allowance
Credit Per Originating FGA or BSA-A Access Minute #

\$.0004735 (R)

4.6.6 (Reserved For Future Use)*

4.6.7 Assumed Minutes of Use Monthly Surrogate

Per Two Way Line/Trunk Originating Only		Per One Way Line/Trunk Terminating Only		FGA or BSA-A	FGB or BSA-B
FGA or BSA-A	FGB or BSA-B	FGA or BSA-A	FGB or BSA-B	FGA or BSA-A	FGB or BSA-B
2451	(1)	(1)	(1)	(1)	(1)

4.6.8 Carrier Identification Parameter (CIP)

Non-Recurring Charge-Per CIC. Per End Office Direct Trunk Group	Non-Recurring Charge Per CIC. Per Access Tandem Direct Trunk Group	Monthly Recurring Charges Per Trunk
\$80.00	\$1,120.00	\$0.4380071 (R)

* The Equal Access Cost Recovery Charge has been eliminated.
The credit is applied to the End Office Switching rate element.
(1) These jurisdictions either have all existing services measured or have no customers at this time. In the event an ASR is received for a new customer and there is no measurement capability for the office requested, a traffic study will be made to establish a surrogate and such surrogate will be tariffed.

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Chantel Mosby
Manager, Tariffs and Compliance
Monroe, Louisiana

CANCELLED
Sept. 1, 2007
Missouri Public
Service Commission

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Missouri Public
Service Commission

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.4 Information Surcharge

The rates for Information Surcharge are based on originating and terminating Access Minutes.

Premium Rates
Information Surcharge

Per Access Minute

\$.0000810

(R)

4.6.5 FGA or BSA-A Usage Sensitive Credit Allowance

Usage Sensitive Service
Credit Allowance
Credit Per Originating FGA or BSA-A Access Minute #

\$.0004742

(R)

4.6.6 (Reserved For Future Use)*

4.6.7 Assumed Minutes of Use Monthly Surrogate

<u>Per Two Way</u> <u>Line/Trunk</u> <u>Originating</u> <u>Only</u>		<u>Per One Way</u> <u>Line/Trunk</u> <u>Terminating</u> <u>Only</u>		<u>FGA or</u> <u>BSA-A</u>	<u>FGB or</u> <u>BSA-B</u>
<u>FGA or</u> <u>BSA-A</u>	<u>FGB or</u> <u>BSA-B</u>	<u>FGA or</u> <u>BSA-A</u>	<u>FGB or</u> <u>BSA-B</u>	<u>FGA or</u> <u>BSA-A</u>	<u>FGB or</u> <u>BSA-B</u>
2451	(1)	(1)	(1)	(1)	(1)

4.6.8 Carrier Identification Parameter (CIP)

<u>Non-Recurring</u> <u>Charge-Per CIC.</u> <u>Per End Office</u> <u>Direct Trunk</u> <u>Group</u>	<u>Non-Recurring</u> <u>Charge Per CIC.</u> <u>Per Access Tandem</u> <u>Direct Trunk</u> <u>Group</u>	<u>Monthly Recurring</u> <u>Charges</u> <u>Per Trunk</u>
\$80.00	\$1,120.00	\$0.4386994 (R)

* The Equal Access Cost Recovery Charge has been eliminated.
The credit is applied to the End Office Switching rate element.
(1) These jurisdictions either have all existing services measured or have no customers at this time. In the event an ASR is received for a new customer and there is no measurement capability for the office requested, a traffic study will be made to establish a surrogate and such surrogate will be tariffed.

Issued: August 1, 2005

Effective: September 1, 2005

Chanel Mosby
Manager, Tariffs and Compliance
Monroe, Louisiana

Cancelled
September 1, 2006
Missouri Public
Service Commission

Filed
Missouri Public
Service Commission

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.4 Information Surcharge

The rates for Information Surcharge are based on originating and terminating Access Minutes.

Premium Rates
Information Surcharge

Per Access Minute

\$.000083

(R)

4.6.5 FGA or BSA-A Usage Sensitive Credit Allowance

Usage Sensitive Service
Credit Allowance
Credit Per Originating FGA or BSA-A Access Minute #

\$.00048440

CANCELLED

SEP 01 2005
By *32CRS153*
Public Service Commission
MISSOURI

4.6.6 (Reserved For Future Use)*

4.6.7 Assumed Minutes of Use Monthly Surrogate

<u>Per Two Way</u> <u>Line/Trunk</u> <u>Originating</u> <u>Only</u>		<u>Per One Way</u> <u>Terminating</u> <u>Only</u>		<u>Line/Trunk</u>	
<u>FGA or</u> <u>BSA-A</u>	<u>FGB or</u> <u>BSA-B</u>	<u>FGA or</u> <u>BSA-A</u>	<u>FGB or</u> <u>BSA-B</u>	<u>FGA or</u> <u>BSA-A</u>	<u>FGB or</u> <u>BSA-B</u>
2451	(1)	(1)	(1)	(1)	(1)

4.6.8 Carrier Identification Parameter (CIP)

<u>Non-Recurring</u> <u>Charge-Per CIC.</u> <u>Per End Office</u> <u>Direct Trunk</u> <u>Group</u>	<u>Non-Recurring</u> <u>Charge Per CIC.</u> <u>Per Access Tandem</u> <u>Direct Trunk</u> <u>Group</u>	<u>Monthly Recurring</u> <u>Charges</u> <u>Per Trunk</u>
\$80.00	\$1,120.00	\$0.4481194 (R)

* The Equal Access Cost Recovery Charge has been eliminated.
The credit is applied to the End Office Switching rate element.
(1) These jurisdictions either have all existing services measured or have no customers at this time. In the event an ASR is received for a new customer and there is no measurement capability for the office requested, a traffic study will be made to establish a surrogate and such surrogate will be tariffed.

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4. SWITCHED ACCESS (Cont'd)

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4.6 Rates and Charges (Cont'd)

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4.6.4 Information Surcharge

The rates for Information Surcharge are based on originating and terminating Access Minutes.

Premium Rates
Information Surcharge

Per Access Minute

\$.00008565 (1)

4.6.5 FGA or BSA-A Usage Sensitive Credit Allowance

Usage Sensitive Service
Credit Allowance
Credit Per Originating FGA or BSA-A Access Minute #

\$.00048440

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4.6.8 (Reserved For Future Use)*

4.6.7 Assumed Minutes of Use Monthly Surrogate

<u>Per Two Way</u>		<u>Per One Way</u>		<u>Line/Trunk</u>	
<u>Line/Trunk</u>		<u>Terminating</u>			
<u>Originating</u>		<u>Only</u>			
<u>Only</u>					
<u>FGA or</u>	<u>FGB or</u>	<u>FGA or</u>	<u>FGB or</u>	<u>FGA or</u>	<u>FGB or</u>
<u>BSA-A</u>	<u>BSA-B</u>	<u>BSA-A</u>	<u>BSA-B</u>	<u>BSA-A</u>	<u>BSA-B</u>
2451	(1)	(1)	(1)	(1)	(1)

4.6.8 Carrier Identification Parameter (CIP)

<u>Non-Recurring</u>	<u>Non-Recurring</u>	<u>Monthly Recurring</u>
<u>Charge-Per CIP.</u>	<u>Charge Per CIP.</u>	<u>Charges</u>
<u>Per End Office</u>	<u>Per Access Tandem</u>	<u>Per Trunk</u>
<u>Direct Trunk</u>	<u>Direct Trunk</u>	
<u>Group</u>	<u>Group</u>	
\$80.00	\$1,120.00	\$0.46

* The Equal Access Cost Recovery Charge has been eliminated.
The credit is applied to the End Office Switching rate element.
(1) These jurisdictions either have all existing services measured or have no customers at this time. In the event an ASR is received for a new customer and there is no measurement capability for the office requested, a traffic study will be made to establish a surrogate and such surrogate will be tariffed.

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4. SWITCHED ACCESS (Cont'd)

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4.6 Rates and Charges (Cont'd)

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4.6.4 Information Surcharge

The rates for Information Surcharge are based on originating and terminating Access Minutes.

Premium Rates
Information Surcharge

Per Access Minute

\$.00008547

4.6.5 FGA or BSA-A Usage Sensitive Credit Allowance

Usage Sensitive Service
Credit Allowance
Credit Per Originating FGA or BSA-A Access Minute #

\$.00048440

4.6.6 (Reserved For Future Use)*

4.6.7 Assumed Minutes of Use Monthly Surrogate

Per Two Way
Line/Trunk
Originating
Only

Per One Way
Line/Trunk
Terminating
Only

FGA or FSB or
BSA-A BSA-B

FGA or FSB or
BSA-A BSA-B

FGA or FSB or
BSA-A BSA-B

2451 (1)

(1) (1)

(1) (1)

4.6.8 Carrier Identification Parameter (CIP)

Non-Recurring
Charge-Per CIC.
Per End Office
Direct Trunk
Group

Non-Recurring
Charge Per CIC.
Per Access Tandem
Direct Trunk
Group

Monthly Recurring
Charges
Per Trunk

\$80.00

\$1,120.00

\$0.46

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* The Equal Access Cost Recovery Charge has been eliminated.
The credit is applied to the End Office Switching rate element.
(1) These jurisdictions either have all existing services measured or have no customers at this time. In the event an ASR is received for a new customer and there is no measurement capability for the office requested, a traffic study will be made to establish a surrogate and such surrogate will be tariffed.

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Chief Operating Officer
Kansas City, Missouri

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5. SPECIAL ACCESS

5.1 General

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Special Access provides a transmission path to connect CDLs* within a state for intrastate Telecommunications. Special Access provided to a customer may be connected directly to customer facilities, through Telephone Company Hub Wire Centers where bridging or multiplexing functions are performed, and/or may be connected to access facilities of another telephone company or companies in the joint provision of Special Access Service as well as may be connected to Switched Access as set forth in Section 4.

The provision of Switched Access and Special Access in combination is normally for, but not limited to, the use of WATS or WATS-type Access. When Special Access is connected to Switched Access, the terms, conditions and rates for the facilities between the end user's CDL and the WATS Serving Office are as set forth in this section of the tariff; the terms, conditions and rates for the facilities between the WATS Serving Office and the IC's CDL, as well as the switching functionalities (e.g., end user access codes, screening) are as set forth in Section 4 of this tariff.

Special Access can be provided in either analog or digital format. Analog formats are differentiated by spectrum and bandwidth. Digital formats are differentiated by bit rate. The specific types of Special Access (e.g., Voiceband, Digital Data Service) provided are described in 5.2.

5.1.1 Rate Elements

With the exception of Temporary Videoband Service, there are five basic rate elements which apply to Special Access Service:

- Special Transport (described in 5.1.1(B) following)
- Special Transport Termination (described in 5.1.1(G) following)
- Special Access Line (described in 5.1.1(C) following)
- Supplemental Features (described in 5.4 following)
- Multiplexing Arrangements (described in 5.5 following)

The following is a list of the Company's Open Network Architecture (ONA) Special Access Basic Service Elements (BSEs) which provide a cross-reference to the generic ONA product names.

<u>Generic Name</u>	<u>Company Name</u>
Access to Clear Channel Transmission	Clear Channel Capability
Automatic Protection Switching	Automatic Protection Switching
Bridging	Bridging
Conditioning	Conditioning
Data Over Voice (DOV) Service	DOV Connect
Secondary Channel Capability	Digital Data Service - Secondary Channel
Multiplexing - Digital 2000	Multiplexing Arrangements

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* Telephone Company Centrex CO-like switches are considered to be CDLs for the purposes of this tariff.

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5.1 General (Cont'd)**MISSOURI
Public Service Commission**5.1.1 Rate Elements (Cont'd)

(A) Reserved for Future Use

(B) Special Transport

- (1) The Special Transport rate element provides for the transmission facilities between the serving wire centers associated with two CDLs, between a serving wire center associated with an end user's CDL and a WATS Serving Office, between a serving wire center associated with a CDL and a Telephone Company Hub Wire Center or between two Telephone Company Hub Wire Centers.

The Special Transport element is distance sensitive, except for SPECTRALAN, and varies with type of capability (i.e., analog or digital) and type of facility (e.g., Voiceband, Digital Data Service, etc.). Special Transport may be provided by more than one telephone company. The method of calculating applicable airline miles for rating purposes for Special Access is specified in 2.7.

SPECTRALAN Transport provides flat rate non-distance sensitive transport for DS1 bandwidth on fiber optic facilities. The rate element associated with SPECTRALAN is a monthly recurring charge as set forth in 5.7.7(B).

- (2) Special Transport may be used in conjunction with Switched Access for the purpose of provisioning Originating Only, Terminating Only or Combined Originating/Terminating Access as set forth in 4.2.5(V). Special Transport employed in this manner provides the FIA for the closed-end of the services between the wire center serving the end user's CDL where WATS Serving Office functions are not available and the WATS Serving Office.

When the necessary WATS Serving Office functions are not provided at the wire center which serves the end user's CDL, the Telephone Company will designate the wire center where the WATS Serving Office functions are available.

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5.1 General (Cont'd)

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5.1.1 Rate Elements (Cont'd)

(C) Special Access Line (SAL)

- (1) A Special Access Line provides the transmission facilities to a Customer Designated Location (CDL) or the facilities between a CDL and the serving wire center. This rate element varies by type of capability (i.e., analog or digital) and type of facility (e.g., Voiceband, Digital Data Service, etc.).

The selection of a Terminating Option, as defined in 5.3, is required for terminating the network portion of a Special Access Line at a CDL. Terminating Options provide a clearly delineated interface which facilitates the design, isolation, and testing of the Special Access.

One Special Access Line charge applies per CDL at which the facility is terminated. This charge applies even if the facilities to the CDL do not transit a serving wire center; this charge also applies if the CDL and the serving wire center are co-located in a Telephone Company building. The Special Access Line charge used with a Switching Interface, as set forth in (2) below, is applicable only for the transmission facilities between the end user's CDL and the serving wire center of that location.

- (2) A Special Access Line may be provided in conjunction with FGA, FGB, FGC, FGD, BSA-A, BSA-B, BSA-C and BSA-D Switched Access Service for the purpose of Originating Only, Terminating Only or Combined Originating and Terminating Access as set forth in 4.2.1 and 4.2.2. A Switching Interface is required for the provision of this service as set forth in 4.2.5(V). The Special Access Line provides the closed-end of the dedicated facilities between an end user's CDL and its serving wire center. This serving wire center may or may not be a WATS Serving Office. In those instances when the serving wire center is not a WATS Serving Office Special Transport is applicable as set forth in 5.1.1(B) to the nearest Telephone Company WATS Serving Office.

The Switched Access used in conjunction with the Special Access Line provides various standard switching functionalities and optional arrangements as set forth in Section 4.2.5(V).

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5.1 General (Cont'd)

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5.1.1 Rate Elements (Cont'd)

(C) Special Access Line (SAL) (Cont'd)

(2) All Special Access Lines used with a Switching Interface are:

- provided with dial pulse address signaling or Dual Tone Multifrequency (DTMF) address signaling and either loop start or ground start supervisory signaling. The type of signaling is the option of the customer.
- available as either a two-wire or four-wire Voiceband Special Access Service (i.e., 300-3000 Hz bandwidth). Each transmission path is provided at the option of the customer with transmission specifications as described in Section 7000 of the GTE Technical Interface Reference Manual.

All rules and regulations pertaining to Special Access are applicable to Special Access Lines used with a Switching Interface. Rates and Charges are found in 5.7.5 for two-wire and four-wire Voiceband Special Access Lines.

A customer may also order high capacity facilities from an end user's CDL to a Telephone Company Hub for the purpose of originating or terminating Special Access Lines used with a Switching Interface. High capacity to voice multiplexing will be required at the Hub. The customer will be required to submit an ASR for the high capacity facility and voice multiplexing. The customer will also be required to submit an ASR(s) for the individual Voiceband SALs specifying the channel facility assignment (CFA) for each service. This Hub may or may not be a WATS Serving Office. In those instances when the Hub is not a WATS Serving Office, Voiceband Special Transport is applicable as set forth in 5.1.1(B), for each individual Special Access Line used with a Switching Interface to the Telephone Company designated WATS Serving Office.

(D) (Reserved for Future Use)

(E) Supplemental Features

Supplemental Features may be added to a Special Access circuit to improve its quality or utility to meet specific communications requirements. These are not necessarily identifiable with specific facilities, but rather represent the end result in terms of performance characteristics which may be obtained. These characteristics may be obtained by using various combinations of facilities. Although the facilities necessary to perform a specified function may be installed at various locations along the path of the Special Access circuit, including the CDL, it will be provided for as a single rate element.

Examples of Supplemental Features that are available include, but are not limited to, bridging and conditioning. Each Supplemental Feature is described in 5.4, and rates are set forth in 5.7.

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FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.1 General (Cont'd)

5.1.1 Rate Elements (Cont'd)

(F) Multiplexing Arrangements

Multiplexing provides for arrangements to convert a single higher capacity or bandwidth circuit for bulk transport to several lower capacity or bandwidth circuits. Multiplexing is only available at a Telephone Company designated Hub Wire Center arranged for multiplexing. All types of multiplexing may not be available at each Hub Wire Center. Refer to Section 5.6.6 for a description of Hub Wire Center. Descriptions for each type of multiplexing arrangements are provided in 5.5 following, and rates are set forth in 5.7 following.

(G) Special Transport Termination

(1) DS1 Service

The Special Transport Termination rate element as set forth in 5.7, applies to selected Special Access Service offerings, except for SPECTRALAN Special Transport Service, and is in addition to the Special Transport rate element. Special Transport Termination provides the equipment and arrangements necessary to terminate the Special Transport facility at a serving wire center. One Special Transport Termination charge applies for the termination of each end of a Special Transport facility for DS1 offerings.

(2) Fractional T1 Service (FT1) ^[1]

For Fractional T1 Service, Special Transport Termination must be ordered as Fractional Special Transport Termination in the same grouping (N x 56 Kbps or N x 64 Kbps where N = 2, 4, or 6) as the associated FT1 SALs.

(C)

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Chantel Miller
Director Government Operations
Monroe, Louisiana

FACILITIES FOR INTRASTATE ACCESS

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5.1 General (Cont'd)MISSOURI
Public Service Commission5.1.1 Rate Elements (Cont'd)(F) Multiplexing Arrangements

Multiplexing provides for arrangements to convert a single higher capacity or bandwidth circuit for bulk transport to several lower capacity or bandwidth circuits. Multiplexing is only available at a Telephone Company designated Hub Wire Center arranged for multiplexing. All types of multiplexing may not be available at each Hub Wire Center. Refer to Section 5.6.6 for a description of Hub Wire Center. Descriptions for each type of multiplexing arrangements are provided in 5.5 following, and rates are set forth in 5.7 following.

(G) Special Transport Termination(1) DS1 Service

The Special Transport Termination rate element as set forth in 5.7, applies to selected Special Access Service offerings, except for SPECTRALAN Special Transport Service, and is in addition to the Special Transport rate element. Special Transport Termination provides the equipment and arrangements necessary to terminate the Special Transport facility at a serving wire center. One Special Transport Termination charge applies for the termination of each end of a Special Transport facility for DS1 offerings.

(2) Fractional T1 Service (FT1)

For Fractional T1 Service, Special Transport Termination must be ordered as Fractional Special Transport Termination in the same grouping ($N \times 56$ Kbps or $N \times 64$ Kbps where $N = 2, 4, \text{ or } 6$) as the associated FT1 SALs.

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Kansas City, Missouri

FACILITIES FOR INTRASTATE ACCESS

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5. SPECIAL ACCESS (Cont'd)

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5.1 General (Cont'd)

5.1.2 Special Access Configurations

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

(A) Two-point Service

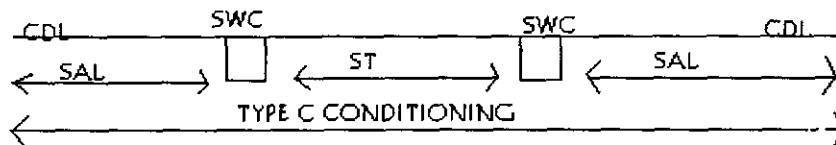
A two-point configuration is a circuit which is provided to connect two CDLs, either directly connected or through a Hub Wire Center where multiplexing functions are performed, or a CDL and a WATS Serving Office.

All Special Access offerings may be provided as a two-point configuration.

With the exception of Temporary Videoband Service, applicable rate elements are:

- Special Access Lines
- Special Transport (when applicable)
- Special Transport Termination (when applicable)
- Supplemental Features (when applicable)
- Multiplexing Arrangements (when applicable)

The following diagram depicts a typical two-point service connecting two CDLs. The service is provided with the supplemental feature of Type C Conditioning:



- SAL - Special Access Line
- ST - Special Transport
- SWC - Serving Wire Center
- CDL - Customer Designated Location

Applicable rate elements are:

- Special Access Line (2 applicable)
- Special Transport (per airline mile between SWCs)
- Supplemental Feature of Type C Conditioning (2 applicable)

In addition, a Special Access Surcharge, as set forth in 5.6.9 following, and a Message Station Equipment Recovery Charge, as set forth in 5.6.10 following may be applicable.

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5. SPECIAL ACCESS (Cont'd)

5.1 General (Cont'd)

5.1.2 Special Access Configurations (Cont'd)

(B) Multipoint Service

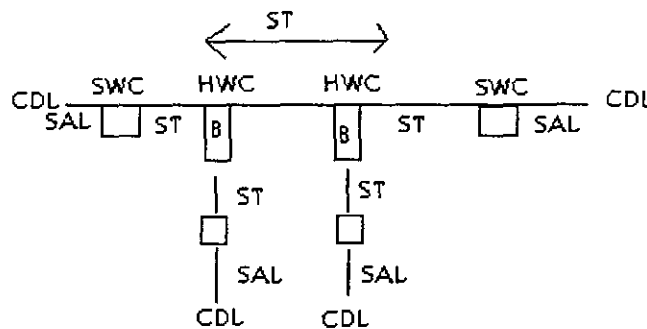
A multipoint configuration is a circuit that is provided to connect three or more CDLs through a Telephone Company Hub Wire Center.

Only Voiceband, Program Audio, Digital Data Service facilities, and Miscellaneous Services where so designated, will be provided as multipoint configurations. There is no limitation on the number of mid-links, but the use of more than three mid-links in tandem may degrade the quality of the multipoint facilities. A mid-link is defined as the Special Transport facilities between Hub Wire Centers where the circuit is bridged and/or where circuit switching devices, such as loop transfer arrangement, are located.

Multipoint service is provided in the following manner:

- (1) Special Access Line per CDL to their respective serving wire centers.
- (2) Special Transport between serving wire centers associated with the CDLs and the Hub Wire Center.
- (3) Special Transport between Hub Wire Centers.
- (4) Supplemental Features: Bridging equipment for each bridging location and other Supplemental Features when applicable.
- (5) (Reserved for Future Use)
- (6) Multiplexing Arrangements when applicable.

The following diagram depicts a multipoint service connecting four CDLs via two customer specified Hub Wire Centers:



SAL - Special Access Line
 ST - Special Transport
 SWC - Serving Wire Center
 CDL - Customer Designated Location
 HWC - Hub Wire Center
 B - Bridging

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5. SPECIAL ACCESS (Cont'd)

5.1 General (Cont'd)

5.1.2 Special Access Configurations (Cont'd)

(B) Multipoint Service (Cont'd)

Applicable rate elements are:

- Special Access Lines (4 applicable)
- Special Transport (5 segments, per airline between SWCs and HWCs)
- Bridging (6 applicable, one per bridge port)

In addition, the Special Access Surcharge, as set forth in 5.6.9 following, and the Message Station Equipment Recovery Charge, as set forth in 5.6.10 may be applicable.

5.1.3 Special Facilities Routing

A customer may request that the facilities used to provide Special Access Service be specially routed. The regulations, rates and charges for Special Facilities Routing (i.e., Avoidance, Diversity and Cable-Only) are as set forth in Section 9 following.

5.1.4 Design Layout Report

The Telephone Company will provide to the customer the makeup of the Special Access provided under this tariff to aid the customer in designing its overall service. This information will be provided in the form of a Design Layout Report and will include the following:

Cable gauge, length and loading.

Makeup (e.g., T-Carrier, two-wire, four-wire, etc.).

Specific pair of circuit assignment at the customer designated location.

The Design Layout Report will be provided to the customer within fourteen working days from the ASR Date. Updated reports will be reissued within fourteen working days whenever facilities provided to the customer are materially changed. Both the initial and updated Design Layout Reports will be provided to the customer at no charge.

5.1.5 Acceptance Testing

At the time of installation, the following test parameters apply:

- (A) For Voiceband services, acceptance testing will include tests for loss, 3-tone slope, DC continuity, operational signaling, C-notched noise, and C-message noise.

When the Interface Arrangement provides a four-wire voice transmission facility and the point of termination provides two-wire voice transmission (i.e., there is a four-wire to two-wire conversion at the point of termination) balance tests are also included in acceptance testing. When performing installation and acceptance testing, the Telephone Company will test the access service within the LATA.

On four-wire and effective four-wire circuits where the Network Channel Terminating Equipment (NCTE) has the capability of being remotely aligned, the Telephone Company may perform acceptance testing without a Telephone Company technician at the customer's premise. Should the customer request a technician be present at the customer's premise, additional charges will apply as set forth in Section 6.2(C). The applicable rates are in Section 6.2(G).

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Kansas City, Missouri

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FACILITIES FOR INTRASTATE ACCESS

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5. SPECIAL ACCESS (Cont'd)

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5.1 General (Cont'd)

5.1.5 Acceptance Testing (Cont'd)

(A) (Cont'd)

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If the NCTE at the customer's premise does not have the capability of being aligned remotely, the additional charges will not apply. The Telephone Company will determine the type of NCTE placed at a customer's premise.

(B) For other analog services (i.e., Program Audio, Video, Wideband Analog and Wideband Data Services) and for digital services (i.e., Digital Data Services and High Capacity Digital Services), acceptance testing will include tests for the parameters applicable to the service as set forth in Section 7000 of the GTE Technical Interface Reference Manual for each of these services.

When the customer requests the performance of additional cooperative tests which are not required to meet these specified performance parameters, charges as set forth in 6.6 (B) following will apply. All test results will be made available to the customer upon request.

If acceptance tests are not started within 15 minutes after pre-service tests have been completed and the customer has been notified by the Telephone Company, additional charges may apply, as set forth in 6.2 following, unless the delay is caused by the Telephone Company.

5.1.6 Ordering Conditions

Ordering conditions are set forth in detail in Section 3 preceding. Also included in that section, are other charges which may be associated with ordering Special Access (e.g., Service Date Change Charges, Cancellation Charges, etc.).

(A) Determination of Jurisdiction of Mixed Use Special Access Lines

When mixed interstate and intrastate Special Access Service is ordered, the jurisdiction will be determined as follows:

- 1. If the customer's estimate of the interstate traffic on the physically intrastate line involved constitutes 10% or less of the total traffic on that line, the line will be ordered and provided in accordance with the applicable rules and regulations of this tariff.
2. If the customer's estimate of the interstate traffic on the physically intrastate line involved constitutes more than 10% of the total traffic on that line, the line will be ordered and provided in accordance with the applicable rules and regulations of the interstate tariff.

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5. SPECIAL ACCESS (Cont'd)

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5.1 General (Cont'd)

5.1.6 Ordering Conditions (Cont'd)

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(B) Special Access Jurisdictional Verification

If a billing dispute arises or a regulatory commission questions the customer's certification of the jurisdiction of the line the Telephone Company will ask the customer to provide the data used to determine the jurisdiction. The customer shall supply the data within 30 days of the Telephone Company's request. The customer shall keep records of system design and functions from which the jurisdiction can be ascertained and upon request of the Telephone Company make the records available for inspection as reasonably necessary for purposes of verification of the jurisdiction of the service.

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FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.2 Description of Special Access

There are seven generic types of Special Access offerings. They are:

- Voiceband ^[1]
- Program Audio ^[1]

(C)
(C)
(D)

- High Capacity Digital
- Digital Data Service ^[1]

(C)

Each type has its own characteristics, and are subdivided by one or more of the following:

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

The Special Access offerings described below are comprised of a combination of the rate elements described in 5.1.1. The following descriptions indicate the most effective use for each facility. Customer use for purposes other than those indicated is limited only to the extent that such use must not harm the network. Further, the Telephone Company does not guarantee transmission performance beyond the parameters identified in the descriptions.

The transmission performance characteristics of each Special Access offering are stated in Section 7000 of the GTE Technical Interface Reference Manual. The Telephone Company will maintain existing transmission specifications on services installed prior to the effective date of this tariff, except that existing services with performance specifications exceeding the standards in the GTE Technical Interface Reference Manual will be maintained at the performance level specified in the manual. Where transmission performance characteristics are required other than those as stated in Section 7000 of the GTE Technical Interface Reference Manual, the Telephone Company will review, and where technically feasible, will develop rates and charges for the additional costs associated with provisioning the parameters. These rates and charges will be filed on an individual case basis in Section 5.9 and will apply in addition to all other applicable rates and charges.

The customer also has the option of ordering Voiceband and analog and digital high capacity facilities to a Telephone Company Hub for multiplexing to individual channels of a lower capacity or bandwidth. Descriptions of the types of multiplexing available at the Hubs, as well as the number of individual channels which may be derived from each type of facility, are set forth in 5.5. Additionally, the customer may specify supplemental features for the individual channels derived from the facility to further tailor the channel to meet specific communications requirements. Descriptions of the supplemental features available are set forth in 5.4.

For example, a customer may order a DS3 from a CDL to a Telephone Company Hub for multiplexing to 28 DS1 channels. The DS1 channels may be further multiplexed at the same or a different Hub to Voiceband channels or may be extended to other CDLs. Optional features may be added to either the DS1 or the Voiceband channels.

^[1] **Effective November 1, 2021 Voiceband, Program Audio and Digital Data Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

(N)
(N)

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5. SPECIAL ACCESS (Cont'd)5.2 Description of Special Access

There are seven generic types of Special Access offerings. **MISSOURI Public Service Commission**

- Voiceband
- Program Audio
- Videoband
- Wideband Analog
- Wideband Data *
- High Capacity Digital
- Digital Data Service

Each type has its own characteristics, and are subdivided by one or more of the following:

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

The Special Access offerings described below are comprised of a combination of the rate elements described in 5.1.1. The following descriptions indicate the most effective use for each facility. Customer use for purposes other than those indicated is limited only to the extent that such use must not harm the network. Further, the Telephone Company does not guarantee transmission performance beyond the parameters identified in the descriptions.

The transmission performance characteristics of each Special Access offering are stated in Section 7000 of the GTE Technical Interface Reference Manual. The Telephone Company will maintain existing transmission specifications on services installed prior to the effective date of this tariff, except that existing services with performance specifications exceeding the standards in the GTE Technical Interface Reference Manual will be maintained at the performance level specified in the manual. Where transmission performance characteristics are required other than those as stated in Section 7000 of the GTE Technical Interface Reference Manual, the Telephone Company will review, and where technically feasible, will develop rates and charges for the additional costs associated with provisioning the parameters. These rates and charges will be filed on an individual case basis in Section 5.9 and will apply in addition to all other applicable rates and charges.

The customer also has the option of ordering Voiceband and analog and digital high capacity facilities to a Telephone Company Hub for multiplexing to individual channels of a lower capacity or bandwidth. Descriptions of the types of multiplexing available at the Hubs, as well as the number of individual channels which may be derived from each type of facility, are set forth in 5.5. Additionally, the customer may specify supplemental features for the individual channels derived from the facility to further tailor the channel to meet specific communications requirements. Descriptions of the supplemental features available are set forth in 5.4.

For example, a customer may order a DS3 from a CDL to a Telephone Company Hub for multiplexing to 28 DS1 channels. The DS1 channels may be further multiplexed at the same or a different Hub to Voiceband channels or may be extended to other CDLs. Optional features may be added to either the DS1 or the Voiceband channels.

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* Limited to those offerings for existing circuits at existing locations.

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Kenneth Matzdorff
 Chief Operating Officer
 Kansas City, Missouri

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.2 Description of Special Access (Cont'd)

5.2.1 Voiceband^[1]

(C)

(A) Two-Wire Voiceband Facility

These facilities are unconditioned and are capable of transmitting voice or data signals within the frequency spectrum of approximately 300 Hz to 3000 Hz. These facilities are furnished on a two-point or multipoint basis and may be terminated two-wire or four-wire at the point of termination. They permit the simultaneous transmission of information in both directions over a circuit, but it is not possible to ensure independent information transmission in both directions. Supplemental features may be added, at applicable charges, to enhance the operational capabilities of these facilities.

(B) Four-Wire Voiceband Facility

These facilities are unconditioned and are capable of transmitting voice or data signals within the frequency spectrum of approximately 300 Hz to 3000 Hz. The facilities are furnished on a two-point or multipoint basis and may be terminated two-wire or four-wire at the point of termination. When terminated four-wire, they permit simultaneous independent transmission of information in both directions over a circuit. However, when terminated two-wire, simultaneous independent transmission cannot be supported. Supplemental features may be added, at applicable charges, to enhance the operational capabilities of these facilities.

^[1] **Effective November 1, 2021 Voiceband Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

(N)
(N)

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FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.2 Description of Special Access (Cont'd)

5.2.1 Voiceband

(A) Two-Wire Voiceband Facility

(T)

These facilities are unconditioned and are capable of transmitting voice or data signals within the frequency spectrum of approximately 300 Hz to 3000 Hz. These facilities are furnished on a two-point or multipoint basis and may be terminated two-wire or four-wire at the point of termination. They permit the simultaneous transmission of information in both directions over a circuit, but it is not possible to ensure independent information transmission in both directions. Supplemental features may be added, at applicable charges, to enhance the operational capabilities of these facilities.

(B) Four-Wire Voiceband Facility

(T)

These facilities are unconditioned and are capable of transmitting voice or data signals within the frequency spectrum of approximately 300 Hz to 3000 Hz. The facilities are furnished on a two-point or multipoint basis and may be terminated two-wire or four-wire at the point of termination. When terminated four-wire, they permit simultaneous independent transmission of information in both directions over a circuit. However, when terminated two-wire, simultaneous independent transmission cannot be supported. Supplemental features may be added, at applicable charges, to enhance the operational capabilities of these facilities.

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EFFECTIVE: March 27, 2015

Gary Kepley
Director - Regulatory Operations
Overland Park, Kansas

~~CANCELLED~~
November 1, 2021
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FACILITIES FOR INTRASTATE ACCESS

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5.2 Description of Special Access (Cont'd)MISSOURI
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These facilities are unconditioned and are capable of transmitting voice or data signals within the frequency spectrum of approximately 300 Hz to 3000 Hz. These facilities are furnished on a two-point or multipoint basis and may be terminated two-wire or four-wire at the point of termination. They permit the simultaneous transmission of information in both directions over a circuit, but it is not possible to ensure independent information transmission in both directions. Supplemental features may be added, at applicable charges, to enhance the operational capabilities of these facilities.

(B) Four-Wire Voiceband Facility (USOC - XDN++, XDV++)

These facilities are unconditioned and are capable of transmitting voice or data signals within the frequency spectrum of approximately 300 Hz to 3000 Hz. The facilities are furnished on a two-point or multipoint basis and may be terminated two-wire or four-wire at the point of termination. When terminated four-wire, they permit simultaneous independent transmission of information in both directions over a circuit. However, when terminated two-wire, simultaneous independent transmission cannot be supported. Supplemental features may be added, at applicable charges, to enhance the operational capabilities of these facilities.

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JI-2015-0263Kenneth Matzdorff
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FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.2 Description of Special Access (Cont'd)

5.2.2 (Reserved for Future Use)

5.2.3 **Program Audio** ^[1]

(C)

These facilities are arranged and provided for the transmission of non-broadcast audio to be broadcast or which is to be used in connection with loudspeakers, wired music, closed circuit or recordings. Facilities to be used in conjunction with broadcast audio must be ordered from the appropriate interstate tariff. Audio facilities are furnished for transmission in one direction. Audio facilities may be provided on a two-point or multipoint basis.

Program audio facilities are provided on either a full-time or part-time basis. The minimum periods for full-time and part-time service are set forth in Section 3.2.4. When a part-time program audio service is provided for ten or more consecutive days, it will be treated as a full-time service and rated accordingly. In no event will the charge for continuous part-time program audio exceed the amount that would have been charged in the same time period for full-time program audio facilities.

Listed below are the types of Program Audio facilities that are offered under this tariff.

(A) 200 to 3500 Hz

Facilities are generally acceptable for speech quality programming and are subject to use over limited distance due to transmission factors.

(B) 100 to 5000 Hz

Facilities are generally acceptable for music and provide good quality speech programming.

(C) 50 to 8000 Hz

Facilities for the provision of high fidelity music transmission.

(D) 50 to 15000 Hz

Facilities for the provision of high fidelity music transmission. Two such facilities may be conditioned, at applicable charges, for stereo operation.

5.2.4 **Reserved**

(C)

(D)

|

(D)

^[1] **Effective November 1, 2021 Program Audio Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

(N)

(N)

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FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.2 Description of Special Access (Cont'd)

5.2.2 (Reserved for Future Use)

5.2.3 Program Audio

These facilities are arranged and provided for the transmission of non-broadcast audio to be broadcast or which is to be used in connection with loudspeakers, wired music, closed circuit or recordings. Facilities to be used in conjunction with broadcast audio must be ordered from the appropriate interstate tariff. Audio facilities are furnished for transmission in one direction. Audio facilities may be provided on a two-point or multipoint basis.

Program audio facilities are provided on either a full-time or part-time basis. The minimum periods for full-time and part-time service are set forth in Section 3.2.4. When a part-time program audio service is provided for ten or more consecutive days, it will be treated as a full-time service and rated accordingly. In no event will the charge for continuous part-time program audio exceed the amount that would have been charged in the same time period for full-time program audio facilities.

Listed below are the types of Program Audio facilities that are offered under this tariff.

(A) 200 to 3500 Hz (T)

Facilities are generally acceptable for speech quality programming and are subject to use over limited distance due to transmission factors.

(B) 100 to 5000 Hz (T)

Facilities are generally acceptable for music and provide good quality speech programming.

(C) 50 to 8000 Hz (T)

Facilities for the provision of high fidelity music transmission.

(D) 50 to 15000 Hz (T)

Facilities for the provision of high fidelity music transmission. Two such facilities may be conditioned, at applicable charges, for stereo operation.

5.2.4 Videoband (T)

These facilities are arranged and provided for the transmission of television which is to be used other than for broadcast purposes in connection with viewing or recording. Facilities to be used in connection with broadcast video services must be ordered from the appropriate interstate tariff.

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EFFECTIVE: March 27, 2015

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FACILITIES FOR INTRASTATE ACCESS

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5.2 Description of Special Access (Cont'd)**MISSOURI
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5.2.2 (Reserved for Future Use)

5.2.3 Program Audio

These facilities are arranged and provided for the transmission of non-broadcast audio to be broadcast or which is to be used in connection with loudspeakers, wired music, closed circuit or recordings. Facilities to be used in conjunction with broadcast audio must be ordered from the appropriate interstate tariff. Audio facilities are furnished for transmission in one direction. Audio facilities may be provided on a two-point or multipoint basis.

Program audio facilities are provided on either a full-time or part-time basis. The minimum periods for full-time and part-time service are set forth in Section 3.2.4. When a part-time program audio service is provided for ten or more consecutive days, it will be treated as a full-time service and rated accordingly. In no event will the charge for continuous part-time program audio exceed the amount that would have been charged in the same time period for full-time program audio facilities.

Listed below are the types of Program Audio facilities that are offered under this tariff.

(A) 200 to 3500 Hz (USOC - XDP1D; XDP1M)

Facilities are generally acceptable for speech quality programming and are subject to use over limited distance due to transmission factors.

(B) 100 to 5000 Hz (USOC - XDP2D; XDP2M)

Facilities are generally acceptable for music and provide good quality speech programming.

(C) 50 to 8000 Hz (USOC - XDP3D; XDP3M)

Facilities for the provision of high fidelity music transmission.

(D) 50 to 15000 Hz (USOC - XDP4D; XDP4M)

Facilities for the provision of high fidelity music transmission. Two such facilities may be conditioned, at applicable charges, for stereo operation.

5.2.4 Videoband (USOC - XDT1D; XDT1M)

These facilities are arranged and provided for the transmission of television which is to be used other than for broadcast purposes in connection with viewing or recording. Facilities to be used in connection with broadcast video services must be ordered from the appropriate interstate tariff.

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Chief Operating Officer
Kansas City, Missouri

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.2 Description of Special Access (Cont'd)

5.2.5 Reserved for Future Use

(C)

5.2.6 Reserved for Future Use

(D)

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(D)

(C)

5.2.7 High Capacity Digital

(D)

These facilities are two-point and are furnished between CDLs or between a CDL and a Telephone Company designated Hub Wire Center where multiplexing is offered. High Capacity facilities may be used to provide Special Access Lines as set forth in 5.1.1(C)(2). A High Capacity to Voice multiplexing arrangement, as described in Section 5.5, is required at the Hub Wire Center.

(A) DS1 facilities provide for the transmission of isochronous bipolar serial data at a rate of 1.544 Mbps.

(B) DS1C facilities provide for the transmission of isochronous bipolar serial data at a rate of 3.152 Mbps.

(C) **FT1 facilities**^[1] are furnished for the transmission of isochronous bipolar serial data and are available at transmission rate groupings of N x 56 Kbps or N x 64 Kbps where N equals 2, 4, or 6. FT1 channels are contiguous within the network and can be used to create a wideband circuit using customer provided equipment. When N x 64 FT1 is ordered in conjunction with DS1 service for multiplexing purposes, the DS1 must have Clear Channel Capability as described in 5.8.1. FT1 Service at a rate of N x 64 Kbps will only be provided where Clear Channel Capability is available in the network. Where Clear Channel Capability is not available, N x 56 Kbps service can be provided in lieu of N x 64 Kbps.

(C)

^[1] **Effective November 1, 2021 Fractional DS1 Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

(N)

(N)

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Chantel Miller
Director Government Operations
Monroe, Louisiana

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.2 Description of Special Access (Cont'd)

5.2.5 Wideband Analog

(T)

These facilities are two-point and are furnished between CDLs or between a CDL and a Telephone Company designated Hub Wire Center where multiplexing is offered. The three types of Wideband Analog facilities are:

- (A) Group band facilities with a bandwidth from 60 kHz to 108 kHz for the transmission of a 12 circuit frequency division multiplexer (FDM) group.
- (B) Supergroup band facilities with a bandwidth from 312 kHz to 552 kHz for the transmission of a 60 circuit FDM supergroup.
- (C) Mastergroup band facilities with a bandwidth from 564 kHz to 3084 kHz for the transmission of a 600 circuit FDM mastergroup.

5.2.6 Wideband Data Service *

(T)

These analog facilities are arranged and furnished for two-point simultaneous two-way transmission of high speed data between two CDLs. These facilities are normally utilized for the following data speeds: 19.2 Kbps, 50 Kbps, 56 Kbps and 230.4 Kbps.

5.2.7 High Capacity Digital

(T)

These facilities are two-point and are furnished between CDLs or between a CDL and a Telephone Company designated Hub Wire Center where multiplexing is offered. High Capacity facilities may be used to provide Special Access Lines as set forth in 5.1.1(C)(2). A High Capacity to Voice multiplexing arrangement, as described in Section 5.5, is required at the Hub Wire Center.

- (A) DS1 facilities provide for the transmission of isochronous bipolar serial data at a rate of 1.544 Mbps.
- (B) DS1C facilities provide for the transmission of isochronous bipolar serial data at a rate of 3.152 Mbps.
- (C) FT1 facilities are furnished for the transmission of isochronous bipolar serial data and are available at transmission rate groupings of N x 56 Kbps or N x 64 Kbps where N equals 2, 4, or 6. FT1 channels are contiguous within the network and can be used to create a wideband circuit using customer provided equipment. When N x 64 FT1 is ordered in conjunction with DS1 service for multiplexing purposes, the DS1 must have Clear Channel Capability as described in 5.8.1. FT1 Service at a rate of N x 64 Kbps will only be provided where Clear Channel Capability is available in the network. Where Clear Channel Capability is not available, N x 56 Kbps service can be provided in lieu of N x 64 Kbps.

* Limited to existing customers at existing locations.

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Gary Kepley
Director - Regulatory Operations
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JI-2015-0263

FACILITIES FOR INTRASTATE ACCESS

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5.2 Description of Special Access (Cont'd)5.2.5 Wideband Analog (USOC - XDN++)MISSOURI
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These facilities are two-point and are furnished between CDLs or between a CDL and a Telephone Company designated Hub Wire Center where multiplexing is offered. The three types of Wideband Analog facilities are:

- (A) Group band facilities with a bandwidth from 60 kHz to 108 kHz for the transmission of a 12 circuit frequency division multiplexer (FDM) group.
- (B) Supergroup band facilities with a bandwidth from 312 kHz to 552 kHz for the transmission of a 60 circuit FDM supergroup.
- (C) Mastergroup band facilities with a bandwidth from 564 kHz to 3084 kHz for the transmission of a 600 circuit FDM mastergroup.

5.2.6 Wideband Data Service (USOC - XDL++) *

These analog facilities are arranged and furnished for two-point simultaneous two-way transmission of high speed data between two CDLs. These facilities are normally utilized for the following data speeds: 19.2 Kbps, 50 Kbps, 56 Kbps and 230.4 Kbps.

5.2.7 High Capacity Digital (USOC - XDH++)

These facilities are two-point and are furnished between CDLs or between a CDL and a Telephone Company designated Hub Wire Center where multiplexing is offered. High Capacity facilities may be used to provide Special Access Lines as set forth in 5.1.1(C)(2). A High Capacity to Voice multiplexing arrangement, as described in Section 5.5, is required at the Hub Wire Center.

- (A) DS1 facilities provide for the transmission of isochronous bipolar serial data at a rate of 1.544 Mbps.
- (B) DS1C facilities provide for the transmission of isochronous bipolar serial data at a rate of 3.152 Mbps.
- (C) FT1 facilities are furnished for the transmission of isochronous bipolar serial data and are available at transmission rate groupings of $N \times 56$ Kbps or $N \times 64$ Kbps where N equals 2, 4, or 6. FT1 channels are contiguous within the network and can be used to create a wideband circuit using customer provided equipment. When $N \times 64$ FT1 is ordered in conjunction with DS1 service for multiplexing purposes, the DS1 must have Clear Channel Capability as described in 5.8.1. FT1 Service at a rate of $N \times 64$ Kbps will only be provided where Clear Channel Capability is available in the network. Where Clear Channel Capability is not available, $N \times 56$ Kbps service can be provided in lieu of $N \times 64$ Kbps.

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JI-2015-0263Kenneth Matzdorff
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FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.2 Description of Special Access (Cont'd)

5.2.7 High Capacity Digital (Cont'd)

(D) (Reserved for Future Use)

(E) DS3 facilities provide for the transmission of isochronous bipolar serial data at a rate of 44.736 Mbps. The Telephone Company will provide an electrical interface with the service unless otherwise specified by the customer.

(F) DS3C facilities provide for the transmission of isochronous bipolar serial data at a rate of 89.472 Mbps. The Telephone Company will provide an optical interface with this service unless the service is provided via microwave, in which case an electro-magnetic interface is provided, or unless the customer requests an electrical interface.

5.2.8 Digital Data Service ^[1]

(C)

Facilities for Digital Data Service are furnished for the simultaneous two-way transmission of synchronous data and are available at transmission speeds of: 2.4 Kbps, 4.8 Kbps, 9.6 Kbps or 56 Kbps. Digital Data facilities may be provided on a two-point or multipoint basis.

5.2.9 (Reserved for Future Use)

5.2.10 (Reserved for Future Use)

^[1] **Effective November 1, 2021 Digital Data Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

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FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.2 Description of Special Access (Cont'd)

5.2.7 High Capacity Digital (Cont'd)

(D) (Reserved for Future Use)

(E) DS3 facilities provide for the transmission of isochronous bipolar serial data at a rate of 44.736 Mbps. The Telephone Company will provide an electrical interface with the service unless otherwise specified by the customer.

(F) DS3C facilities provide for the transmission of isochronous bipolar serial data at a rate of 89.472 Mbps. The Telephone Company will provide an optical interface with this service unless the service is provided via microwave, in which case an electro-magnetic interface is provided, or unless the customer requests an electrical interface.

5.2.8 Digital Data Service

Facilities for Digital Data Service are furnished for the simultaneous two-way transmission of synchronous data and are available at transmission speeds of: 2.4 Kbps, 4.8 Kbps, 9.6 Kbps or 56 Kbps. Digital Data facilities may be provided on a two-point or multipoint basis.

5.2.9 (Reserved for Future Use)

5.2.10 (Reserved for Future Use)

(T)

(T)

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FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

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5.2 Description of Special Access (Cont'd)

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5.2.7 High Capacity Digital (USOC - XDH++) (Cont'd)

(D) (Reserved for Future Use)

(E) DS3 facilities provide for the transmission of serial data at a rate of 44.736 Mbps. The Telephone Company will provide an electrical interface with the service unless otherwise specified by the customer.

(F) DS3C facilities provide for the transmission of isochronous bipolar serial data at a rate of 89.472 Mbps. The Telephone Company will provide an optical interface with this service unless the service is provided via microwave, in which case an electro-magnetic interface is provided, or unless the customer requests an electrical interface.

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5.2.8 Digital Data Service (USOC - XDD++)

Facilities for Digital Data Service are furnished for the simultaneous two-way transmission of synchronous data and are available at transmission speeds of: 2.4 Kbps, 4.8 Kbps, 9.6 Kbps or 56 Kbps. Digital Data facilities may be provided on a two-point or multipoint basis.

5.2.9 (Reserved for Future Use)

5.2.10 (Reserved for Future Use)

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FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.3 Description of Terminating Options

Terminating Options provide a clearly delineated interface between Telephone Company and customer facilities at the point of termination at the CDL. Terminating Options facilitate the design, isolation, and testing of the Special Access. The description of each Terminating Option defines the most effective use of the Terminating Option. The technical parameters of each type of associated interface are set forth in Section 7000 of the GTE Technical Interface Reference Manual. Although a customer is not restricted from alternate applications, except where such application is harmful to the network, the Telephone Company cannot guarantee technical performance for other than the applications stated below. Terminating Options are nonchargeable.

5.3.1 Reserved for Future Use

(C)

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(D)

5.3.2 Voice Grade^[1]

(C)

(A) Two-Wire Voice Grade, Non-Data, Without Signaling

This option provides a two-wire interface to a customer and terminates an effective two-wire facility furnished for voice transmission only. Customer provided signaling must be limited to tones in the voice band. Customer provided voiceband signaling equipment must limit transmission power to 0.0 dBm peak and -13 dBm average power over a three-second period.

(B) Four-Wire Voice Grade, Non-Data, Without Signaling

This option provides a four-wire interface to the customer terminal equipment and terminates an effective four-wire facility furnished for voice transmission only. Customer provided signaling must be limited to tones in the voiceband. Customer provided voice band signaling equipment must limit transmission power to 0.0 dBm peak and -13 dBm average power over a three-second period.

^[1] **Effective November 1, 2021 Voice Grade Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

(N)

(N)

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FACILITIES FOR INTRASTATE ACCESS

RECEIVED5. SPECIAL ACCESS (Cont'd)

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5.3 Description of Terminating Options

Terminating Options provide a clearly delineated interface between Telephone Company and customer facilities at the point of termination at the customer. Terminating Options facilitate the design, isolation, and testing of the Special Access. The description of each Terminating Option defines the most effective use of the Terminating Option. The technical parameters of each type of associated interface are set forth in Section 7000 of the GTE Technical Interface Reference Manual. Although a customer is not restricted from alternate applications, except where such application is harmful to the network, the Telephone Company cannot guarantee technical performance for other than the applications stated below. Terminating Options are nonchargeable.

MISSOURI
Public Service Commission5.3.1 Narrowband(A) 0 to 75 Baud Type 1

Provides standard open/closed 20 or 62 Ma energized interface to customer terminal equipment and converts customer terminal equipment signals to voice frequency signaling for transmission over two-wire or four-wire voiceband network facilities suitable for voice grade to narrowband multiplexing. This terminating option is obsolete and is limited to those circuits so equipped and in service for existing customers at existing locations.

(B) 0 to 75 Baud Type 2

Provides two-wire or four-wire metallic interface for customer or Telephone Company energized circuits. Telephone Company energized circuits are only available in conjunction with voice grade to narrowband multiplexing. This option does not guarantee dc current operation over special transport facilities. This terminating option is obsolete and is limited to those circuits so equipped and in service for existing customers at existing locations.

(C) 0 to 150 Baud

Provides standard RS-232C interface to customer terminal equipment and converts customer terminal equipment signals to voice frequency signaling for transmission over two-wire or four-wire voiceband facilities. This terminating option is obsolete and is limited to those circuits so equipped and in service for existing customers at existing locations.

5.3.2 Voice Grade(A) Two-Wire Voice Grade, Non-Data, Without Signaling

This option provides a two-wire interface to a customer and terminates an effective two-wire facility furnished for voice transmission only. Customer provided signaling must be limited to tones in the voice band. Customer provided voiceband signaling equipment must limit transmission power to 0.0 dBm peak and -13 dBm average power over a three-second period.

(B) Four-Wire Voice Grade, Non-Data, Without Signaling

This option provides a four-wire interface to the customer terminal equipment and terminates an effective four-wire facility furnished for voice transmission only. Customer provided signaling must be limited to tones in the voiceband. Customer provided voice band signaling equipment must limit transmission power to 0.0 dBm peak and -13 dBm average power over a three-second period.

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FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.3 Description of Terminating Options (Cont'd)

5.3.2 Voice Grade ^[1] (Cont'd)

(C)

(C) Voice Grade Data Termination

This option provides a two-wire or four-wire transmission interface to a customer's private line data modem and terminates an effective four-wire facility furnished for voiceband data transmission.

(D) Two-Wire Voice Grade Station Connecting Facility Termination

This option provides a means to terminate an effective two-wire facility or an effective four-wire facility with a two-wire customer interface on a telephone, key system, PBX, ACD, or similar equipment. This option is normally used to terminate facilities that furnish foreign central office service, the station end of PBX off premises service, or private switched service network access lines. The option provides both the transmission and loop signaling functions normally associated with these services. The option is also used to terminate facilities arranged with automatic ringdown signaling. This option provides the loop and ringdown signaling with the facility.

(E) Four-Wire Voice Grade Station Connecting Facility Termination

A terminating option similar to (D) preceding used to terminate effective four-wire foreign central office service. The option provides a four-wire transmission interface to the customer terminal equipment and the loop signaling function normally associated with these services. This option provides the loop and ringdown signaling with the facility.

(F) Two-Wire Station Connecting Facility Termination for the Open End of an Off Premises PBX Extension

Terminating options are available depending on the signaling range of the PBX (or similar system) as defined in Part 68 of the FCC Rules and Regulations. Type 1 is an option requiring range extension equipment at the CDL. Type 2 is an option with no range extension equipment at the CDL. If needed, the loop signaling range equipment for Type 1 must be specifically specified, see Section 5.4.4 following for available arrangements.

(G) Dial Repeating Tie Trunk Termination

Two network terminating options are provided for terminating effective four-wire transmission facilities used to furnish dial repeating tie trunk services. These options are described in terms of the interface they provide to a PBX (or similar system).

- (1) A Type I tie line termination provides the customer with a two-wire transmission interface and includes either two-wire or four-wire E&M type signaling. Transmission and signaling interface options available are described in Part 68 of the FCC Rules and Regulations. This option provides the E&M type signaling with the facility.

^[1] **Effective November 1, 2021 Voice Grade Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

(N)
(N)

FACILITIES FOR INTRASTATE ACCESS

RECEIVED5. SPECIAL ACCESS (Cont'd)

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5.3 Description of Terminating Options (Cont'd)**MISSOURI
Public Service Commission**5.3.2 Voice Grade (Cont'd)(C) Voice Grade Data Termination

This option provides a two-wire or four-wire transmission interface to a customer's private line data modem and terminates an effective four-wire facility furnished for voiceband data transmission.

(D) Two-Wire Voice Grade Station Connecting Facility Termination

This option provides a means to terminate an effective two-wire facility or an effective four-wire facility with a two-wire customer interface on a telephone, key system, PBX, ACD, or similar equipment. This option is normally used to terminate facilities that furnish foreign central office service, the station end of PBX off premises service, or private switched service network access lines. The option provides both the transmission and loop signaling functions normally associated with these services. The option is also used to terminate facilities arranged with automatic ringdown signaling. This option provides the loop and ringdown signaling with the facility.

(E) Four-Wire Voice Grade Station Connecting Facility Termination

A terminating option similar to (D) preceding used to terminate effective four-wire foreign central office service. The option provides a four-wire transmission interface to the customer terminal equipment and the loop signaling function normally associated with these services. This option provides the loop and ringdown signaling with the facility.

(F) Two-Wire Station Connecting Facility Termination for the Open End of an Off Premises PBX Extension

Terminating options are available depending on the signaling range of the PBX (or similar system) as defined in Part 68 of the PCC Rules and Regulations. Type 1 is an option requiring range extension equipment at the CDL. Type 2 is an option with no range extension equipment at the CDL. If needed, the loop signaling range equipment for Type 1 must be specifically specified, see Section 5.4.4 following for available arrangements.

(G) Dial Repeating Tie Trunk Termination

Two network terminating options are provided for terminating effective four-wire transmission facilities used to furnish dial repeating tie trunk services. These options are described in terms of the interfaces they provide to a PBX (or similar system).

- (1) A Type I tie line termination provides the customer with a two-wire transmission interface and includes either two-wire or four-wire E&M type signaling. Transmission and signaling interface options available are described in Part 68 of the PCC Rules and Regulations. This option provides the E&M type signaling with the facility.

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FACILITIES FOR INTRASTATE ACCESS

- 5. SPECIAL ACCESS (Cont'd)
- 5.3 Description of Terminating Options (Cont'd)
 - 5.3.2 **Voice Grade** ^[1] (Cont'd) (C)
 - (G) Dial Repeating Tie Trunk Termination (Cont'd)
 - (2) A Type III tie line termination provides the customer with a four-wire transmission interface and includes either two-wire or four-wire E&M type signaling. Transmission and signaling options available are described in Part 68 of the FCC Rules and Regulations. This option provides the E&M signaling with the facility.
 - 5.3.3 **Program Audio** ^[1] (C)
 - (A) 200 to 3500 Hz
Provides standard program audio interface levels and impedance matching to two-wire network facilities.
 - (B) 100 to 5000 Hz, 50 to 8000 Hz, and 50 to 15000 Hz
Provides standard program audio interface levels, circuit equalization and impedance matching to two-wire network facilities.
 - 5.3.4 **Reserved for Future Use** (C)
 - (D) | (D)
 - 5.3.5 **Reserved for Future Use** (C)
 - (D) | (D)

^[1] **Effective November 1, 2021 Voice Grade and Program Audio Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.** (N)
(N)

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Public Service Commission**5. SPECIAL ACCESS (Cont'd)5.3 Description of Terminating Options (Cont'd)5.3.2 Voice Grade (Cont'd)(G) Dial Repeating Tie Trunk Termination (Cont'd)

- (2) A Type III tie line termination provides the customer with a four-wire transmission interface and includes either two-wire or four-wire RSM type signaling. Transmission and signaling options available are described in Part 68 of the FCC Rules and Regulations. This option provides the RSM signaling with the facility.

5.3.3 Program Audio(A) 200 to 3500 Hz

Provides standard program audio interface levels and impedance matching to two-wire network facilities.

(B) 100 to 5000 Hz, 50 to 8000 Hz, and 50 to 15000 Hz

Provides standard program audio interface levels, circuit equalization and impedance matching to two-wire network facilities.

5.3.4 Videoband

Provides a Videoband Special Access Line interface for use in providing the one way transmission of video signals.

Standard Videoband service is provided via one signal (combined video and audio). This signal is in the 30 Hz to 6.6 MHz frequency range. It includes a one-way duplexed transmission of standard 525 lines/60 fields monochrome or NTSC color video signal, and one or two associated 15 kHz audio signals.

As an option, the customer may select to receive Videoband service via two or three signals (one video and one or two audio). Under this option, the video signal received will be in the 30 Hz to 4.5 MHz frequency range and the one or two audio signals will be in the 50 Hz to 15000 Hz frequency range.

5.3.5 Wideband Data Service *

- (A) Provides a Wideband Data Service Special Access interface for use in providing two-way transmission of sequential synchronous or nonsynchronous data at rates of 19.2, 50 or 230.4 kbps; or sequential synchronous bipolar data signals at a rate of 56 kbps over four-wire facilities.

- (B) (Reserved for Future Use)

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FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.3 Description of Terminating Options (Cont'd)

5.3.6 High Capacity Digital

(A) High Capacity Digital DS1

Provides a High Capacity Digital DS1 Special Access interface for use in providing simultaneous two-way transmission of isochronous bipolar serial data signals at the rate of 1.544 Mbps.

(B) High Capacity Digital DS1C

Provides a High Capacity Digital DS1C Special Access interface for use in providing simultaneous two-way transmission of isochronous bipolar serial data signals at the rate of 3.152 Mbps.

(C) Fractional T1 Service ^[1]

Provides a DS1 Special Access interface for use in providing simultaneous two-way transmission of isochronous bipolar serial data signals and is limited to groupings of N x 56 Kbps or N x 64 Kbps where N equals 2, 4, or 6.

(C)

(D) (Reserved for Future Use)

(E) High Capacity Digital DS3

Provides a High Capacity Digital DS3 Special Access interface for use in providing simultaneous two-way transmission of isochronous bipolar serial data signals at the rate of 44.736 Mbps. The Telephone Company will provide an electrical interface with the service unless otherwise specified by the customer.

(F) High Capacity Digital DS3C

Provides a High Capacity Digital DS3C Special Access interface for use in providing simultaneous two-way transmission of isochronous bipolar serial data signals at the rate of 89.472 Mbps. The Telephone Company will provide an optical interface with this service unless the service is provided via microwave, in which case, an electromagnetic interface is provided, or unless the customer requests an electrical interface.

5.3.7 Digital Data Service (DDS) ^[1]

Provides DDS Special Access interface for use in providing simultaneous two-way transmission of sequential bipolar data signals at transmission speeds of 2.4 Kbps, 4.8 Kbps, 9.6 Kbps or 56 Kbps over four-wire facilities.

(C)

^[1] **Effective November 1, 2021 Digital Data and Fractional DS1 Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

(N)

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FACILITIES FOR INTRASTATE ACCESS

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5.3 Description of Terminating Options (Cont'd)**MISSOURI
Public Service Commission**5.3.6 High Capacity Digital(A) High Capacity Digital DS1

Provides a High Capacity Digital DS1 Special Access interface for use in providing simultaneous two-way transmission of isochronous bipolar serial data signals at the rate of 1.544 Mbps.

(B) High Capacity Digital DS1C

Provides a High Capacity Digital DS1C Special Access interface for use in providing simultaneous two-way transmission of isochronous bipolar serial data signals at the rate of 3.152 Mbps.

(C) Fractional T1 Service

Provides a DS1 Special Access interface for use in providing simultaneous two-way transmission of isochronous bipolar serial data signals and is limited to groupings of $N \times 56$ Kbps or $N \times 64$ Kbps where N equals 2, 4, or 6.

(D) (Reserved for Future Use)

(E) High Capacity Digital DS3

Provides a High Capacity Digital DS3 Special Access interface for use in providing simultaneous two-way transmission of isochronous bipolar serial data signals at the rate of 44.736 Mbps. The Telephone Company will provide an electrical interface with the service unless otherwise specified by the customer.

(F) High Capacity Digital DS3C

Provides a High Capacity Digital DS3C Special Access interface for use in providing simultaneous two-way transmission of isochronous bipolar serial data signals at the rate of 89.472 Mbps. The Telephone Company will provide an optical interface with this service unless the service is provided via microwave, in which case, an electromagnetic interface is provided, or unless the customer requests an electrical interface.

5.3.7 Digital Data Service (DDS)

Provides DDS Special Access interface for use in providing simultaneous two-way transmission of sequential bipolar data signals at transmission speeds of 2.4 Kbps, 4.8 Kbps, 9.6 Kbps or 56 Kbps over four-wire facilities.

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FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features

Supplemental Features are items which can be added to a Special Access service to provide enhanced capabilities or improve its utility. References to specific uses or Special Access types indicate the most effective use for each Supplemental Feature. Customer use for other purposes or with other Special Access types is limited only to the extent that such use must not harm the network. Further, the Telephone Company does not guarantee functional operation of Supplemental Features for these alternate applications.

Listed below are the Supplemental Features that are offered under this tariff.

5.4.1 **Bridging** ^[1]

Bridging is the function of connecting three or more CDLs in a multipoint arrangement. Listed below are those bridging services offered under this tariff.

(A) MultiPoint Data Bridging

This feature provides the capability to derive a multipoint data circuit from a single facility and is normally provided on Voiceband facilities provided for transmission of data signals. This function is provided on a per port basis. Polled multipoint data circuits are a typical application of this feature.

^[1] **Effective November 1, 2021 Voice Grade, Program Audio and Digital Data Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

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CANCELLED - Missouri Public Service Commission - 05/30/2023 - IN-2023-0394 - YI-2023-0207

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features

Supplemental Features are items which can be added to a Special Access service to provide enhanced capabilities or improve its utility. References to specific uses or Special Access types indicate the most effective use for each Supplemental Feature. Customer use for other purposes or with other Special Access types is limited only to the extent that such use must not harm the network. Further, the Telephone Company does not guarantee functional operation of Supplemental Features for these alternate applications.

Listed below are the Supplemental Features that are offered under this tariff.

5.4.1 Bridging

Bridging is the function of connecting three or more CDLs in a multipoint arrangement. Listed below are those bridging services offered under this tariff.

(A) MultiPoint Data Bridging

(T)

This feature provides the capability to derive a multipoint data circuit from a single facility and is normally provided on Voiceband facilities provided for transmission of data signals. This function is provided on a per port basis. Polled multipoint data circuits are a typical application of this feature.

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EFFECTIVE: March 27, 2015

Gary Kepley
Director - Regulatory Operations
Overland Park, Kansas

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FACILITIES FOR INTRASTATE ACCESS

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5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features

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Supplemental Features are items which can be added to a Special Access service to provide enhanced capabilities or improve its utility. References to specific uses or Special Access types indicate the most effective use for each Supplemental Feature. Customer use for other purposes or with other Special Access types is limited only to the extent that such use must not harm the network. Further, the Telephone Company does not guarantee functional operation of Supplemental Features for these alternate applications.

Listed below are the Supplemental Features that are offered under this tariff.

5.4.1 Bridging

Bridging is the function of connecting three or more CDLs in a multipoint arrangement. Listed below are those bridging services offered under this tariff.

(A) MultiPoint Data Bridging (USOC - BSNDJ)

This feature provides the capability to derive a multipoint data circuit from a single facility and is normally provided on Voiceband facilities provided for transmission of data signals. This function is provided on a per port basis. Polled multipoint data circuits are a typical application of this feature.

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Kenneth Hatzdorff
Chief Operating Officer
Kansas City, Missouri

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features (Cont'd)

5.4.1 **Bridging** ^[1] (Cont'd)

(C)

(B) Voice Conference Bridging

Bridging arrangement to connect multiple Voiceband facilities in order that a voice frequency input signal from any location will be reproduced at the output of all other circuit locations. This function is provided on a per port basis.

(C) Alarm Distribution Bridging

Provides polling type bridging capabilities, band splitting filters and conversion of four-wire common terminations up to a capacity of 40 two-wire terminations. This function is offered as two tariff elements. The first element provides all shelving and common equipment for a capacity of 40 two-wire terminations. The second element provides a two-wire port. One common equipment rate element will apply to accommodate up to 40 two-wire terminations. One two-wire port charge will apply to each two-wire Special Access Line terminated in the bridge.

(D) Program Audio Bridging

An arrangement to provide multiple channel outputs from a single Program Audio or Voiceband facility. This arrangement is provided and rated on a per port basis.

(E) (Reserved for Future Use)

(F) DDS Bridging

Provides for a multi-junction unit (MJU) arrangement to bridge 2.4 kbps, 4.8 kbps, 9.6 kbps, or 56 kbps DDS facilities. Different speeds cannot be mixed on the same bridge. This function is provided on a per port basis.

^[1] **Effective November 1, 2021 Voice Grade, Program Audio and Digital Data Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

(N)
|
(N)

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features (Cont'd)

5.4.1 Bridging (Cont'd)

(B) Voice Conference Bridging (T)

Bridging arrangement to connect multiple Voiceband facilities in order that a voice frequency input signal from any location will be reproduced at the output of all other circuit locations. This function is provided on a per port basis.

(C) Alarm Distribution Bridging (T)

Provides polling type bridging capabilities, band splitting filters and conversion of four-wire common terminations up to a capacity of 40 two-wire terminations. This function is offered as two tariff elements. The first element provides all shelving and common equipment for a capacity of 40 two-wire terminations. The second element provides a two-wire port. One common equipment rate element will apply to accommodate up to 40 two-wire terminations. One two-wire port charge will apply to each two-wire Special Access Line terminated in the bridge.

(D) Program Audio Bridging (T)

An arrangement to provide multiple channel outputs from a single Program Audio or Voiceband facility. This arrangement is provided and rated on a per port basis.

(E) (Reserved for Future Use)

(F) DDS Bridging (T)

Provides for a multi-termination unit (MJU) arrangement to bridge 2.4 kbps, 4.8 kbps, 9.6 kbps, or 56 kbps DDS facilities. Different speeds cannot be mixed on the same bridge. This function is provided on a per port basis.

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Gary Kepley
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FACILITIES FOR INTRASTATE ACCESS

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5. SPECIAL ACCESS (Cont'd)

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5.4 Description of Supplemental Features (Cont'd)MISSOURI
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Bridging arrangement to connect multiple Voiceband facilities in order that a voice frequency input signal from any location will be reproduced at the output of all other circuit locations. This function is provided on a per port basis.

(C) Alarm Distribution Bridging (USOC - BCNTA)

Provides polling type bridging capabilities, band splitting filters and conversion of four-wire common terminations up to a capacity of 40 two-wire terminations. This function is offered as two tariff elements. The first element provides all shelving and common equipment for a capacity of 40 two-wire terminations. The second element provides a two-wire port. One common equipment rate element will apply to accommodate up to 40 two-wire terminations. One two-wire port charge will apply to each two-wire Special Access Line terminated in the bridge.

(D) Program Audio Bridging (USOC - BCNPT)

An arrangement to provide multiple channel outputs from a single Program Audio or Voiceband facility. This arrangement is provided and rated on a per port basis.

(E) (Reserved for Future Use)

(F) DDS Bridging (USOC - BCNDA)

Provides for a multi-junction unit (MJU) arrangement to bridge 2.4 kbps, 4.8 kbps, 9.6 kbps, or 56 kbps DDS facilities. Different speeds cannot be mixed on the same bridge. This function is provided on a per port basis.

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FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features (Cont'd)

5.4.2 Conditioning Arrangements – Data ^[1]

(C)

Data conditioning, when utilized in conjunction with effective four-wire Voiceband transmission facilities, improves the characteristics of these facilities. These improved characteristics are not represented to apply to the entire end to end facility of the customer, but only to that portion of the facility provided by the Telephone Company.

There are three types of data conditioning: Type C, Type C-Improved and Type DA. Type C and Type C-Improved conditioning control attenuation distortion and envelope delay distortion. Type DA controls the signal to C-notched noise ratio and intermodulation distortion. Type C and Type DA conditioning may be combined on the same circuit. Type C-Improved and Type DA conditioning may be combined on the same circuit.

Data conditioning is charged for on a per Special Access line basis. The parameters listed for each type of data conditioning apply from two or more CDLs located within the Telephone Company serving area. Conditioning parameters apply to each end of a two-point circuit. For multipoint circuits, the conditioning parameters apply from any CDL to either the point of interface at another CDL or the first Telephone Company bridging point depending on the circuit configuration. These parameters are not applicable to High Capacity or Wideband Analog points of interface, because there is no voice frequency test access point. In these instances the data conditioning parameters apply to the last telephone company voice frequency test access point before the High Capacity or Wideband Analog point of interface.

(A) Type C

Type C conditioning of Voiceband facilities provides a facility with the following transmission parameters enhanced to meet the values specified for Type C conditioning in Section 7000 of the GTE Technical Interface Reference Manual in addition to the standard parameters for Voiceband circuits.

- (1) Attenuation distortion with reference to 1004 Hz.
- (2) Envelope delay distortion.

(B) Type C-Improved

Type C-Improved conditioning of Voiceband facilities provides a facility with the following transmission parameters enhanced to meet the values specified for Type C conditioning in Section 7000 of the GTE Technical Interface Reference Manual in addition to the standard parameters for Voiceband circuits.

- (1) Improved attenuation distortion with reference to 1004 Hz.
- (2) Improved envelope delay distortion.

The customer may choose to order Improved Attenuation Distortion or Improved Envelope Delay Distortion or both configurations. The rates specified for Type C-Improved conditioning, Section 5.7.2(B), will apply regardless of the configuration specified.

^[1] **Effective November 1, 2021 Voice Grade and Digital Data Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

(N)
(N)

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features (Cont'd)

5.4.2 Conditioning Arrangements – Data

Data conditioning, when utilized in conjunction with effective four-wire Voiceband transmission facilities, improves the characteristics of these facilities. These improved characteristics are not represented to apply to the entire end to end facility of the customer, but only to that portion of the facility provided by the Telephone Company.

There are three types of data conditioning: Type C, Type C-Improved and Type DA. Type C and Type C-Improved conditioning control attenuation distortion and envelope delay distortion. Type DA controls the signal to C-notched noise ratio and intermodulation distortion. Type C and Type DA conditioning may be combined on the same circuit. Type C-Improved and Type DA conditioning may be combined on the same circuit.

Data conditioning is charged for on a per Special Access line basis. The parameters listed for each type of data conditioning apply from two or more CDLs located within the Telephone Company serving area. Conditioning parameters apply to each end of a two-point circuit. For multipoint circuits, the conditioning parameters apply from any CDL to either the point of interface at another CDL or the first Telephone Company bridging point depending on the circuit configuration. These parameters are not applicable to High Capacity or Wideband Analog points of interface, because there is no voice frequency test access point. In these instances the data conditioning parameters apply to the last telephone company voice frequency test access point before the High Capacity or Wideband Analog point of interface.

(A) Type C

(T)

Type C conditioning of Voiceband facilities provides a facility with the following transmission parameters enhanced to meet the values specified for Type C conditioning in Section 7000 of the GTE Technical Interface Reference Manual in addition to the standard parameters for Voiceband circuits.

- (1) Attenuation distortion with reference to 1004 Hz.
- (2) Envelope delay distortion.

(B) Type C-Improved

Type C-Improved conditioning of Voiceband facilities provides a facility with the following transmission parameters enhanced to meet the values specified for Type C conditioning in Section 7000 of the GTE Technical Interface Reference Manual in addition to the standard parameters for Voiceband circuits.

- (1) Improved attenuation distortion with reference to 1004 Hz.
- (2) Improved envelope delay distortion.

(T)

(T)

The customer may choose to order Improved Attenuation Distortion or Improved Envelope Delay Distortion or **both configurations**. The rates specified for Type C-Improved conditioning, Section 5.7.2(B), will apply regardless of the configuration specified.

(T)

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FACILITIES FOR INTRASTATE ACCESS

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5.4 Description of Supplemental Features (Cont'd)**MISSOURI
Public Service Commission**5.4.2 Conditioning Arrangements - Data

Data conditioning, when utilized in conjunction with effective four-wire Voiceband transmission facilities, improves the characteristics of these facilities. These improved characteristics are not represented to apply to the entire end to end facility of the customer, but only to that portion of the facility provided by the Telephone Company.

There are three types of data conditioning: Type C, Type C-Improved and Type DA. Type C and Type C-Improved conditioning control attenuation distortion and envelope delay distortion. Type DA controls the signal to C-notched noise ratio and intermodulation distortion. Type C and Type DA conditioning may be combined on the same circuit. Type C-Improved and Type DA conditioning may be combined on the same circuit.

Data conditioning is charged for on a per Special Access line basis. The parameters listed for each type of data conditioning apply from two or more CDLs located within the Telephone Company serving area. Conditioning parameters apply to each end of a two-point circuit. For multipoint circuits, the conditioning parameters apply from any CDL to either the point of interface at another CDL or the first Telephone Company bridging point depending on the circuit configuration. These parameters are not applicable to High Capacity or Wideband Analog points of interface, because there is no voice frequency test access point. In these instances the data conditioning parameters apply to the last telephone company voice frequency test access point before the High Capacity or Wideband Analog point of interface.

(A) Type C (USOC - X1CPT)

Type C conditioning of Voiceband facilities provides a facility with the following transmission parameters enhanced to meet the values specified for Type C conditioning in Section 7000 of the GTE Technical Interface Reference Manual in addition to the standard parameters for Voiceband circuits.

- (1) Attenuation distortion with reference to 1004 Hz.
- (2) Envelope delay distortion.

(B) Type C-Improved

Type C-Improved conditioning of Voiceband facilities provides a facility with the following transmission parameters enhanced to meet the values specified for Type C conditioning in Section 7000 of the GTE Technical Interface Reference Manual in addition to the standard parameters for Voiceband circuits.

- (1) Improved attenuation distortion with reference to 1004 Hz.
(USOC - UHW)
- (2) Improved envelope delay distortion. (USOC - UHY)

The customer may choose to order Improved Attenuation Distortion or Improved Envelope Delay Distortion or both (USOC - XCECM) configurations. The rates specified for Type C-Improved conditioning, Section 5.7.2(B), will apply regardless of the configuration specified.

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Kenneth Matzdorff
Chief Operating Officer
Kansas City, Missouri

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features (Cont'd)

5.4.2 Conditioning Arrangements - Data^[1] (Cont'd)

(C)

(C) Type DA

Type DA conditioning of Voiceband facilities provides a facility with the following transmission parameter enhanced to meet the values specified for Type DA conditioning in Section 7000 of the GTE Technical Interface Reference Manual in addition to the standard parameters for voiceband circuits.

- (1) Signal to C-notched noise ratio.
- (2) Nonlinear signal to second order distortion.
- (3) Nonlinear signal to third order distortion.

^[1] **Effective November 1, 2021 Voice Grade and Digital Data Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

(N)
(N)

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FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features (Cont'd)

5.4.2 Conditioning Arrangements - Data (Cont'd)

(C) Type DA

(T)

Type DA conditioning of Voiceband facilities provides a facility with the following transmission parameter enhanced to meet the values specified for Type DA conditioning in Section 7000 of the GTE Technical Interface Reference Manual in addition to the standard parameters for voiceband circuits.

- (1) Signal to C-notched noise ratio.
- (2) Nonlinear signal to second order distortion.
- (3) Nonlinear signal to third order distortion.

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Gary Kepley
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5.4 Description of Supplemental Features (Cont'd)

5.4.2 Conditioning Arrangements - Data (Cont'd)

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Public Service Commission**

(C) Type DA (USOC - XDCPT)

Type DA conditioning of Voiceband facilities provides a facility with the following transmission parameter enhanced to meet the values specified for Type DA conditioning in Section 7000 of the GTE Technical Interface Reference Manual in addition to the standard parameters for voiceband circuits.

- (1) Signal to C-notched noise ratio.
- (2) Nonlinear signal to second order distortion.
- (3) Nonlinear signal to third order distortion.

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FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features (Cont'd)

5.4.3 Conditioning - Program Audio ^[1]

(C)

(A) Stereo Conditioning

Provides the option of two radio program facilities which are identical in all transmission characteristics. Two Program Audio facilities are required to provide this Supplemental Feature. This feature is normally used only with Program Audio 50 to 15000 Hz facilities. Stereo Conditioning is charged on a per occurrence basis.

(B) Zero Loss

Conditioning of Program Audio facilities to provide zero loss at 1000 Hz test frequency. Zero Loss is charged on a per Special Access Line basis.

5.4.4 Signaling Arrangements ^[1]

(C)

Signaling arrangements, when furnished with Voiceband transmission facilities, enable the facilities to accommodate standard telecommunications signaling protocols. Signaling arrangements provide for the conversion of one signaling method to another signaling method and/or extension of a signaling method at customer and Telephone Company interfaces and enables the transmission facilities to accommodate signaling transmission. Signaling arrangements are available with Voiceband transmission facilities to enable transmission of requested signaling formats. The third and fourth protocol characters of the Network Channel Interface (NCI) and Secondary Network Channel Interface (SEC NCI) codes as indicated on the customer's order, reflect signaling activity. Typical protocol characters contained in the NCI or SEC NCI codes that designate signaling arrangements are: AB, AC, DS, DX, DY, EA, EB, EC, EX, GO, GS, LA, LB, LC, LO, LR, LS, NO, RV and SF.

The customer identified NCI and SEC NCI codes will be considered the customer's request for signaling. The Telephone Company will endeavor to provide the specific signaling protocols requested by the customer. In those cases where facilities and equipment are not available to meet the customer's specific requests, the Telephone Company will provide the customer acceptable alternate protocols. Sections 3300, 6000 and 7000 of the GTE Technical Interface Reference Manual provide detailed technical descriptions of the signaling protocols normally available with each service offering. To properly provision SF signaling, when associated signaling code, is DS (PCM), additional information of SF requirements (loop signaling type DX/E&M or ringdown) must accompany the customer's order.

Signaling arrangement charges apply whenever interfaces at the customer premises or at the customer's Telephone Company serving wire center require a signaling arrangement other than those provided with the Terminating Options in 5.3.2 preceding. Signaling Arrangements will be charged on a per SAL basis. Specifically, a signaling charge applies if the signaling protocol characters in the NCI and the SEC NCI fields are different and include one of the following codes: RV, EX, SF, DX, DY, DS, AB.

^[1] **Effective November 1, 2021 Voice Grade and Program Audio Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

(N)

(N)

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Chantel Miller
Director Government Operations
Monroe, Louisiana

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FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features (Cont'd)

5.4.3 Conditioning - Program Audio

(A) Stereo Conditioning

(T)

Provides the option of two radio program facilities which are identical in all transmission characteristics. Two Program Audio facilities are required to provide this Supplemental Feature. This feature is normally used only with Program Audio 50 to 15000 Hz facilities. Stereo Conditioning is charged on a per occurrence basis.

(B) Zero Loss

(T)

Conditioning of Program Audio facilities to provide zero loss at 1000 Hz test frequency. Zero Loss is charged on a per Special Access Line basis.

5.4.4 Signaling Arrangements

(T)

Signaling arrangements, when furnished with Voiceband transmission facilities, enable the facilities to accommodate standard telecommunications signaling protocols. Signaling arrangements provide for the conversion of one signaling method to another signaling method and/or extension of a signaling method at customer and Telephone Company interfaces and enables the transmission facilities to accommodate signaling transmission. Signaling arrangements are available with Voiceband transmission facilities to enable transmission of requested signaling formats. The third and fourth protocol characters of the Network Channel Interface (NCI) and Secondary Network Channel Interface (SEC NCI) codes as indicated on the customer's order, reflect signaling activity. Typical protocol characters contained in the NCI or SEC NCI codes that designate signaling arrangements are: AB, AC, DS, DX, DY, EA, EB, EC, EX, GO, GS, LA, LB, LC, LO, LR, LS, NO, RV and SF.

The customer identified NCI and SEC NCI codes will be considered the customer's request for signaling. The Telephone Company will endeavor to provide the specific signaling protocols requested by the customer. In those cases where facilities and equipment are not available to meet the customer's specific requests, the Telephone Company will provide the customer acceptable alternate protocols. Sections 3300, 6000 and 7000 of the GTE Technical Interface Reference Manual provide detailed technical descriptions of the signaling protocols normally available with each service offering. To properly provision SF signaling, when associated signaling code, is DS (PCM), additional information of SF requirements (loop signaling type DX/E&M or ringdown) must accompany the customer's order.

Signaling arrangement charges apply whenever interfaces at the customer premises or at the customer's Telephone Company serving wire center require a signaling arrangement other than those provided with the Terminating Options in 5.3.2 preceding. Signaling Arrangements will be charged on a per SAL basis. Specifically, a signaling charge applies if the signaling protocol characters in the NCI and the SEC NCI fields are different and include one of the following codes: RV, EX, SF, DX, DY, DS, AB.

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Gary Kepley
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FACILITIES FOR INTRASTATE ACCESS

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5.4 Description of Supplemental Features (Cont'd)**MISSOURI
Public Service Commission**5.4.3 Conditioning - Program Audio(A) Stereo Conditioning (USOC - XCS)

Provides the option of two radio program facilities which are identical in all transmission characteristics. Two Program Audio facilities are required to provide this Supplemental Feature. This feature is normally used only with Program Audio 50 to 15000 Hz facilities. Stereo Conditioning is charged on a per occurrence basis.

(B) Zero Loss (USOC - XZB)

Conditioning of Program Audio facilities to provide zero loss at 1000 Hz test frequency. Zero Loss is charged on a per Special Access Line basis.

5.4.4 Signaling Arrangements (USOC - OS+; XSSLR)

Signaling arrangements, when furnished with Voiceband transmission facilities, enable the facilities to accommodate standard telecommunications signaling protocols. Signaling arrangements provide for the conversion of one signaling method to another signaling method and/or extension of a signaling method at customer and Telephone Company interfaces and enables the transmission facilities to accommodate signaling transmission. Signaling arrangements are available with Voiceband transmission facilities to enable transmission of requested signaling formats. The third and fourth protocol characters of the Network Channel Interface (NCI) and Secondary Network Channel Interface (SEC NCI) codes as indicated on the customer's order, reflect signaling activity. Typical protocol characters contained in the NCI or SEC NCI codes that designate signaling arrangements are: AB, AC, DS, DX, DY, EA, EB, EC, EX, GO, GS, LA, LB, LC, LO, LR, LS, NO, RV and SF.

The customer identified NCI and SEC NCI codes will be considered the customer's request for signaling. The Telephone Company will endeavor to provide the specific signaling protocols requested by the customer. In those cases where facilities and equipment are not available to meet the customer's specific requests, the Telephone Company will provide the customer acceptable alternate protocols. Sections 3300, 6000 and 7000 of the GTE Technical Interface Reference Manual provide detailed technical descriptions of the signaling protocols normally available with each service offering. To properly provision SF signaling, when associated signaling code, is DS (PCM), additional information of SF requirements (loop signaling type DX/B&M or ringdown) must accompany the customer's order.

Signaling arrangement charges apply whenever interfaces at the customer premises or at the customer's Telephone Company serving wire center require a signaling arrangement other than those provided with the Terminating Options in 5.3.2 preceding. Signaling Arrangements will be charged on a per SAL basis. Specifically, a signaling charge applies if the signaling protocol characters in the NCI and the SEC NCI fields are different and include one of the following codes: RV, EX, SF, DX, DY, DS, AB.

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Chief Operating Officer
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FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features (Cont'd)

5.4.4 Signaling Arrangements ^[1] (Cont'd)

(C)

For the above conditions, one additional signaling charge applies for each additional leg of multipoint circuit. When a Multiplexing Arrangement is ordered that converts a single higher capacity or bandwidth circuit into several lower Voiceband circuits, the Voiceband Signaling Arrangements are provided as part of the Multiplexing Arrangement, and no additional Signaling Arrangement charges will apply.

A signaling charge applies in addition to any other applicable signaling charge when loop range extension equipment is required. The Telephone Company will obtain customer approval for signaling range extension equipment.

Listed below are the Signaling Arrangements offered under this tariff:

- (A) Loop Signaling Range Extension - An arrangement to extend the metallic resistance limitations of loop type signaling.
- (B) Conversion of Loop or E&M Signaling to SF - An arrangement to convert loop or E&M signaling to the single frequency signaling format.
- (C) E&M to DX Signaling Conversion - Conversion of E&M signaling to the DX signaling format.
- (D) E&M to Loop Signaling Conversion - Conversion of E&M signaling format to the loop type signaling.
- (E) Loop or E&M to PCM Signaling - Conversion of loop or E&M signaling to the digital (PCM) signaling format.
- (F) Automatic Ringdown Signaling (ARD) - A signaling arrangement on a two-point Special Access which converts loop seizure at one end of the facility into ringing signal at the opposite end.

5.4.5 Echo Control ^[1]

(C)

(A) Echo Suppression

An arrangement provided at the customer's request to attenuate reflected speech energy on a four-wire facility. This conditioning is generally required on circuits with long propagation delay. Echo suppression is charged on a per Special Access circuit basis. Echo suppression is an obsolete service offering and is applicable only to those circuits equipped with echo suppression prior to January 1, 1987. Any service rearrangements or order activity on the circuits equipped with echo suppression may require a change to echo canceller as described in 5.4.5(B) following.

^[1] **Effective November 1, 2021 Voice Grade and Digital Data Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

(N)
(N)

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features (Cont'd)

5.4.4 Signaling Arrangements (Cont'd)

For the above conditions, one additional signaling charge applies for each additional leg of multipoint circuit. When a Multiplexing Arrangement is ordered that converts a single higher capacity or bandwidth circuit into several lower Voiceband circuits, the Voiceband Signaling Arrangements are provided as part of the Multiplexing Arrangement, and no additional Signaling Arrangement charges will apply.

A signaling charge applies in addition to any other applicable signaling charge when loop range extension equipment is required. The Telephone Company will obtain customer approval for signaling range extension equipment.

Listed below are the Signaling Arrangements offered under this tariff:

- (A) Loop Signaling Range Extension - An arrangement to extend the metallic resistance limitations of loop type signaling. (T)
- (B) Conversion of Loop or E&M Signaling to SF - An arrangement to convert loop or E&M signaling to the single frequency signaling format. (T)
- (C) E&M to DX Signaling Conversion - Conversion of E&M signaling to the DX signaling format. (T)
- (D) E&M to Loop Signaling Conversion - Conversion of E&M signaling format to the loop type signaling. (T)
- (E) Loop or E&M to PCM Signaling - Conversion of loop or E&M signaling to the digital (PCM) signaling format. (T)
- (F) Automatic Ringdown Signaling (ARD) - A signaling arrangement on a two-point Special Access which converts loop seizure at one end of the facility into ringing signal at the opposite end. (T)

5.4.5 Echo Control

(A) Echo Suppression (T)

An arrangement provided at the customer's request to attenuate reflected speech energy on a four-wire facility. This conditioning is generally required on circuits with long propagation delay. Echo suppression is charged on a per Special Access circuit basis. Echo suppression is an obsolete service offering and is applicable only to those circuits equipped with echo suppression prior to January 1, 1987. Any service rearrangements or order activity on the circuits equipped with echo suppression may require a change to echo canceller as described in 5.4.5(B) following.

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Gary Kepley
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5. SPECIAL ACCESS (Cont'd)MISSOURI
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For the above conditions, one additional signaling charge applies for each additional leg of multipoint circuit. When a Multiplexing Arrangement is ordered that converts a single higher capacity or bandwidth circuit into several lower Voiceband circuits, the Voiceband Signaling Arrangements are provided as part of the Multiplexing Arrangement, and no additional Signaling Arrangement charges will apply.

A signaling charge applies in addition to any other applicable signaling charge when loop range extension equipment is required. The Telephone Company will obtain customer approval for signaling range extension equipment.

Listed below are the Signaling Arrangements offered under this tariff:

- (A) Loop Signaling Range Extension - An arrangement to extend the metallic resistance limitations of loop type signaling. (USOC - OSA)
- (B) Conversion of Loop or E&M Signaling to SF - An arrangement to convert loop or E&M signaling to the single frequency signaling format. (USOC - OSB)
- (C) E&M to DX Signaling Conversion - Conversion of E&M signaling to the DX signaling format. (USOC - OSC)
- (D) E&M to Loop Signaling Conversion - Conversion of E&M signaling format to the loop type signaling. (USOC - OSD)
- (E) Loop or E&M to PCM Signaling - Conversion of loop or E&M signaling to the digital (PCM) signaling format. (USOC - OSN)
- (F) Automatic Ringdown Signaling (ARD) - A signaling arrangement on a two-point Special Access which converts loop seizure at one end of the facility into ringing signal at the opposite end. (USOC - XSSLR)

5.4.5 Echo Control(A) Echo Suppression (USOC - OE1)

An arrangement provided at the customer's request to attenuate reflected speech energy on a four-wire facility. This conditioning is generally required on circuits with long propagation delay. Echo suppression is charged on a per Special Access circuit basis. Echo suppression is an obsolete service offering and is applicable only to those circuits equipped with echo suppression prior to January 1, 1987. Any service rearrangements or order activity on the circuits equipped with echo suppression may require a change to echo canceller as described in 5.4.5(B) following.

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FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features ^[1] (Cont'd)

(C)

5.4.5 Echo Control (Cont'd)

(B) Echo Canceller

An arrangement provided at the customer's request to cancel reflected speech energy on a four-wire facility. This conditioning is generally required on circuits with long propagation delay. Echo canceller is charged on a per Special Access circuit basis.

5.4.6 Improved Return Loss

Improved Return Loss provides for increased echo return and singing return parameters of an effective two-wire channel. This optional feature is available with certain Voiceband services at a two-wire point of termination when the transmission interface is four-wire at one CDL and two-wire at the other CDL. Placement of Telephone Company equipment may be required at the customer's premises with the two-wire point of termination.

Improved Return Loss rates and charges will apply on a per Special Access Line basis at the rates specified in 5.7.2(B) following. Technical parameters and the applicable Voiceband services are specified in Section 7000 of the GTE Technical Interface Reference Manual.

5.4.7 Voiceband Facility Switching Arrangement

An arrangement to provide switching between two Voiceband Special Access Services. This arrangement may require a Voiceband control circuit to control the switching arrangement at an additional charge.

5.4.8 Automatic Protection Switch

Consists of special switching equipment placed at both ends of a duplicate DS1 facility (i.e., DS1, High Capacity Circuit) for automatic switching to the duplicate (standby) facility in the event the active facility is inoperative.

Duplicate facilities may terminate at a serving wire center, a CDL or both. The option provided under this tariff only includes the APS(s) located at a serving wire center(s). When the duplicate facility terminates at a CDL, the customer will be responsible for providing the associated APS and ensuring it is compatible with the Telephone Company provided switch if appropriate.

The duplicate facilities are not a part of this supplemental feature.

^[1] **Effective November 1, 2021 Voice Grade and Digital Data Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

(N)
(N)

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features (Cont'd)

5.4.5 Echo Control (Cont'd)

(B) Echo Cancellor

(T)

An arrangement provided at the customer's request to cancel reflected speech energy on a four-wire facility. This conditioning is generally required on circuits with long propagation delay. Echo canceller is charged on a per Special Access circuit basis.

5.4.6 Improved Return Loss

(T)

Improved Return Loss provides for increased echo return and singing return parameters of an effective two-wire channel. This optional feature is available with certain Voiceband services at a two-wire point of termination when the transmission interface is four-wire at one CDL and two-wire at the other CDL. Placement of Telephone Company equipment may be required at the customer's premises with the two-wire point of termination.

Improved Return Loss rates and charges will apply on a per Special Access Line basis at the rates specified in 5.7.2(B) following. Technical parameters and the applicable Voiceband services are specified in Section 7000 of the GTE Technical Interface Reference Manual.

5.4.7 Voiceband Facility Switching Arrangement

(T)

An arrangement to provide switching between two Voiceband Special Access Services. This arrangement may require a Voiceband control circuit to control the switching arrangement at an additional charge.

5.4.8 Automatic Protection Switch

(T)

Consists of special switching equipment placed at both ends of a duplicate DS1 facility (i.e., DS1, High Capacity Circuit) for automatic switching to the duplicate (standby) facility in the event the active facility is inoperative.

Duplicate facilities may terminate at a serving wire center, a CDL or both. The option provided under this tariff only includes the APS(s) located at a serving wire center(s). When the duplicate facility terminates at a CDL, the customer will be responsible for providing the associated APS and ensuring it is compatible with the Telephone Company provided switch if appropriate.

The duplicate facilities are not a part of this supplemental feature.

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MISSOURI
Public Service Commission5. SPECIAL ACCESS (Cont'd)5.4 Description of Supplemental Features (Cont'd)5.4.5 Echo Control (Cont'd)(B) Echo Canceller (USOC - ORJ)

An arrangement provided at the customer's request to cancel reflected speech energy on a four-wire facility. This conditioning is generally required on circuits with long propagation delay. Echo canceller is charged on a per Special Access circuit basis.

5.4.6 Improved Return Loss (USOC - 1RL)

Improved Return Loss provides for increased echo return and ringing return parameters of an effective two-wire channel. This optional feature is available with certain Voiceband services at a two-wire point of termination when the transmission interface is four-wire at one CDL and two-wire at the other CDL. Placement of Telephone Company equipment may be required at the customer's premises with the two-wire point of termination.

Improved Return Loss rates and charges will apply on a per Special Access Line basis at the rates specified in 5.7.2(B) following. Technical parameters and the applicable Voiceband services are specified in Section 7000 of the GTE Technical Interface Reference Manual.

5.4.7 Voiceband Facility Switching Arrangement (USOC - UST)

An arrangement to provide switching between two Voiceband Special Access Services. This arrangement may require a Voiceband control circuit to control the switching arrangement at an additional charge.

5.4.8 Automatic Protection Switch (USOC - APP)

Consists of special switching equipment placed at both ends of a duplicate DSL facility (i.e., DSL, High Capacity Circuit) for automatic switching to the duplicate (standby) facility in the event the active facility is inoperative.

Duplicate facilities may terminate at a serving wire center, a CDL or both. The option provided under this tariff only includes the APS(s) located at a serving wire center(s). When the duplicate facility terminates at a CDL, the customer will be responsible for providing the associated APS and ensuring it is compatible with the Telephone Company provided switch if appropriate.

The duplicate facilities are not a part of this supplemental feature.

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FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features ^[1] (Cont'd)

(C)

5.4.9 Improved Termination Option

Improved Termination provides for a fixed 600 ohm impedance, an increased range of transmission levels, and simplex reversal (when applicable) on an effective four-wire channel. This optional feature is available with most Voiceband services with a four-wire point of termination. Telephone Company equipment is required at the customer's premises where this option is ordered.

The Improved Termination option will be ordered and rates and charges, as set forth in 5.7.2(B) following, will apply on a per SAL basis. Technical parameters and the applicable Voiceband services are specified in Section 7000 of the GTE Technical Interface Reference Manual.

5.4.10 Improved Equal Level Echo Path Loss Option - ELEPL-2

This option provides improved echo control parameters for an effective two-wire channel at a four-wire point of termination. Placement of Telephone Company equipment may be required at the customer's premises with the two-wire point of termination.

The term "Equal Level Echo Path Loss" (ELEPL) represents the measure of Echo Path Loss (EPL) at a four-wire interface which is corrected by the difference between the send and receive Transmission Level Point (TLP), i.e., $ELEPL = EPL - TLP(\text{send}) + TLP(\text{receive})$.

Improved ELEPL rates and charges will apply on a per SAL basis at the rates set forth in 5.7.2(B) following. Technical parameters are specified in Section 7000 of the GTE Technical Interface Reference Manual.

^[1] **Effective November 1, 2021 Voice Grade and Digital Data Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

(N)
(N)

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features (Cont'd)

5.4.9 Improved Termination Option

(T)

Improved Termination provides for a fixed 600 ohm impedance, an increased range of transmission levels, and simplex reversal (when applicable) on an effective four-wire channel. This optional feature is available with most Voiceband services with a four-wire point of termination. Telephone Company equipment is required at the customer's premises where this option is ordered.

The Improved Termination option will be ordered and rates and charges, as set forth in 5.7.2(B) following, will apply on a per SAL basis. Technical parameters and the applicable Voiceband services are specified in Section 7000 of the GTE Technical Interface Reference Manual.

5.4.10 Improved Equal Level Echo Path Loss Option - ELEPL-2

(T)

This option provides improved echo control parameters for an effective two-wire channel at a four-wire point of termination. Placement of Telephone Company equipment may be required at the customer's premises with the two-wire point of termination.

The term "Equal Level Echo Path Loss" (ELEPL) represents the measure of Echo Path Loss (EPL) at a four-wire interface which is corrected by the difference between the send and receive Transmission Level Point (TLP), i.e., $ELEPL = EPL - TLP(\text{send}) + TLP(\text{receive})$.

Improved ELEPL rates and charges will apply on a per SAL basis at the rates set forth in 5.7.2(B) following. Technical parameters are specified in Section 7000 of the GTE Technical Interface Reference Manual.

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5.4 Description of Supplemental Features (Cont'd)MISSOURI
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Improved Termination provides for a fixed 600 ohm impedance, an increased range of transmission levels, and simplex reversal (when applicable) on an effective four-wire channel. This optional feature is available with most Voiceband services with a four-wire point of termination. Telephone Company equipment is required at the customer's premises where this option is ordered.

The Improved Termination option will be ordered and rates and charges, as set forth in 5.7.2(B) following, will apply on a per SAL basis. Technical parameters and the applicable Voiceband services are specified in Section 7000 of the GTE Technical Interface Reference Manual.

5.4.10 Improved Equal Level Echo Path Loss Option - ELEPL-2 (USOC - ORP)

This option provides improved echo control parameters for an effective two-wire channel at a four-wire point of termination. Placement of Telephone Company equipment may be required at the customer's premises with the two-wire point of termination.

The term "Equal Level Echo Path Loss" (ELEPL) represents the measure of Echo Path Loss (EPL) at a four-wire interface which is corrected by the difference between the send and receive Transmission Level Point (TLP), i.e., $ELEPL = EPL - TLP(\text{send}) + TLP(\text{receive})$.

Improved ELEPL rates and charges will apply on a per SAL basis at the rates set forth in 5.7.2(B) following. Technical parameters are specified in Section 7000 of the GTE Technical Interface Reference Manual.

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FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.5 Description of Multiplexing Arrangements

Multiplexing Arrangements provide the function to convert a single higher capacity or bandwidth circuit for bulk transport to several lower capacity or bandwidth circuits. Cascading multiplexing occurs when a high capacity analog or digital channel is de-multiplexed to provide channels with a lesser capacity and one of the lesser capacity channels is further de-multiplexed. For example, a DS1C may be de-multiplexed to two DS1 facilities and then the DS1 facilities may be further de-multiplexed to 24 Voiceband channels.

When cascading multiplexing is performed in the same or different Hub Wire Center, a charge for the additional multiplexing unit will also apply. When cascading multiplexing is performed at a different Hub Wire Center, Special Transport will also apply between the involved Hub Wire Centers.

Listed below are the multiplexing arrangements offered under this tariff.

- (A) (Reserved for Future Use)
- (B) **Reserved for Future Use** (C)
- (C) **Reserved for Future Use** (C)
- (D) **Reserved for Future Use** (C)
- (E) **DS1 to Voice** ^[1] (C)

An arrangement that multiplexes twenty-four voice grade circuits to a single DS1 digital circuit at a rate of 1.544 Mbps, or multiplexes a single DS1 digital circuit at a rate of 1.544 Mbps to twenty-four voice grade circuits. If this DS1 terminates in a DDS hub, a channel(s) of the DS1 can be used to provide DDS; however, DDS service stops at the DS1 interface. Multiple channels may be required to provide individual Program Audio Channels.

Up to 16 channels of this DS1 can be used for Direct Digital Service (DDS-like service) with the assurance that circuit performance parameters will be met. If more than 16 channels are used for DDS-like service, the performance parameters for the DS1 and all circuits riding the DS1 will not be guaranteed.

FT1 can be used in conjunction with DS1 to Voice Multiplexing in groupings of N x 56 Kbps or N x 64 Kbps where N = 2, 4, or 6, to a single DS1 digital circuit at a rate of 1.544 Mbps.

^[1] **Effective November 1, 2021 Voice Grade and Digital Data Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.** (N)

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FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.5 Description of Multiplexing Arrangements

Multiplexing Arrangements provide the function to convert a single higher capacity or bandwidth circuit for bulk transport to several lower capacity or bandwidth circuits. Cascading multiplexing occurs when a high capacity analog or digital channel is de-multiplexed to provide channels with a lesser capacity and one of the lesser capacity channels is further de-multiplexed. For example, a DS1C may be de-multiplexed to two DS1 facilities and then the DS1 facilities may be further de-multiplexed to 24 Voiceband channels.

When cascading multiplexing is performed in the same or different Hub Wire Center, a charge for the additional multiplexing unit will also apply. When cascading multiplexing is performed at a different Hub Wire Center, Special Transport will also apply between the involved Hub Wire Centers.

Listed below are the multiplexing arrangements offered under this tariff.

- (A) (Reserved for Future Use)
- (B) Group to Voice (T)
An arrangement that multiplexes twelve voice grade circuits to a single wideband analog group band circuit, or multiplexes a single wideband analog group band circuit to twelve voice grade circuits.
- (C) Supergroup to Group (T)
An arrangement that multiplexes five wideband analog group band circuits to a single wideband analog supergroup band circuit, or multiplexes a single wideband analog supergroup band circuit to five wideband analog group band circuits.
- (D) Mastergroup to Supergroup (T)
An arrangement that multiplexes ten wideband analog supergroup band circuits to a single wideband analog mastergroup band circuit, or multiplexes a single wideband analog mastergroup band circuit to ten wideband analog supergroup band circuits.
- (E) DS1 to Voice (T)
An arrangement that multiplexes twenty-four voice grade circuits to a single DS1 digital circuit at a rate of 1.544 Mbps, or multiplexes a single DS1 digital circuit at a rate of 1.544 Mbps to twenty-four voice grade circuits. If this DS1 terminates in a DDS hub, a channel(s) of the DS1 can be used to provide DDS; however, DDS service stops at the DS1 interface. Multiple channels may be required to provide individual Program Audio Channels.

Up to 16 channels of this DS1 can be used for Direct Digital Service (DDS-like service) with the assurance that circuit performance parameters will be met. If more than 16 channels are used for DDS-like service, the performance parameters for the DS1 and all circuits riding the DS1 will not be guaranteed.

FT1 can be used in conjunction with DS1 to Voice Multiplexing in groupings of N x 56 Kbps or N x 64 Kbps where N = 2, 4, or 6, to a single DS1 digital circuit at a rate of 1.544 Mbps.

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5. SPECIAL ACCESS (Cont'd)5.5 Description of Multiplexing Arrangements

Multiplexing Arrangements provide the function to convert a high capacity or bandwidth circuit for bulk transport to several lower capacity or bandwidth circuits. Cascading multiplexing occurs when a high capacity analog or digital channel is de-multiplexed to provide channels with a lesser capacity and one of the lesser capacity channels is further de-multiplexed. For example, a DS1C may be de-multiplexed to two DS1 facilities and then the DS1 facilities may be further de-multiplexed to 24 Voiceband channels.

When cascading multiplexing is performed in the same or different Hub Wire Center, a charge for the additional multiplexing unit will also apply. When cascading multiplexing is performed at a different Hub Wire Center, Special Transport will also apply between the involved Hub Wire Centers.

Listed below are the multiplexing arrangements offered under this tariff.

(A) (Reserved for Future Use)

(B) Group to Voice (USOC - MQV++)

An arrangement that multiplexes twelve voice grade circuits to a single wideband analog group band circuit, or multiplexes a single wideband analog group band circuit to twelve voice grade circuits.

(C) Supergroup to Group (USOC - MQS++)

An arrangement that multiplexes five wideband analog group band circuits to a single wideband analog supergroup band circuit, or multiplexes a single wideband analog supergroup band circuit to five wideband analog group band circuits.

(D) Mastergroup to Supergroup (USOC - MQ9++)

An arrangement that multiplexes ten wideband analog supergroup band circuits to a single wideband analog mastergroup band circuit, or multiplexes a single wideband analog mastergroup band circuit to ten wideband analog supergroup band circuits.

(E) DS1 to Voice (USOC - MQ1)

An arrangement that multiplexes twenty-four voice grade circuits to a single DS1 digital circuit at a rate of 1.544 Mbps, or multiplexes a single DS1 digital circuit at a rate of 1.544 Mbps to twenty-four voice grade circuits. If this DS1 terminates in a DDS hub, a channel(s) of the DS1 can be used to provide DDS; however, DDS service stops at the DS1 interface. Multiple channels may be required to provide individual Program Audio Channels.

Up to 16 channels of this DS1 can be used for Direct Digital Service (DDS-like service) with the assurance that circuit performance parameters will be met. If more than 16 channels are used for DDS-like service, the performance parameters for the DS1 and all circuits riding the DS1 will not be guaranteed.

FT1 can be used in conjunction with DS1 to Voice Multiplexing in groupings of $N \times 56$ Kbps or $N \times 64$ Kbps where $N = 2, 4, \text{ or } 6$, to a single DS1 digital circuit at a rate of 1.544 Mbps.

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FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.5 Description of Multiplexing Arrangements (Cont'd)

(F) (Reserved for Future Use)

(G) (Reserved for Future Use)

(H) (Reserved for Future Use)

(I) DS3 to DS1

An arrangement that multiplexes twenty-eight DS1 digital circuits to a single DS3 digital circuit at a rate of 44.736 Mbps, or multiplexes a single DS3 digital circuit at a rate of 44.736 Mbps to twenty-eight DS1 digital circuits.

(J) DS3C to DS1

An arrangement that multiplexes fifty-six DS1 digital circuits to a single DS3C digital circuit at a rate of 89.472 Mbps, or multiplexes a single DS3C digital circuit at a rate of 89.472 Mbps to fifty-six DS1 digital circuits.

(K) **Reserved for Future Use**

(C)

(D)

(L) Digital Data Carrier Multiplexer^[1]

(C)

An arrangement that multiplexes a single DS1 1.544 Mbps digital circuit to twenty-three DSO digital ports for connection to either a subrate data multiplexer as described in 5.5(M) following or 56 Kbps digital circuits.

(M) Digital Data Subrate Multiplexer^[1]

(C)

Used with cascading multiplexing, the Digital Data Subrate Multiplexer is an arrangement that multiplexes the following quantities of subrate digital data circuits into a single DSO digital port: 1) twenty 2.4 Kbps, 2) ten 4.8 Kbps or 3) five 9.6 Kbps. In turn, the DSO digital port is then multiplexed to a single DS1 digital circuit using the Digital Data Carrier Multiplexer described in 5.5(L) preceding.

^[1] **Effective November 1, 2021 Voice Grade and Digital Data Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

(N)

(N)

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FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.5 Description of Multiplexing Arrangements (Cont'd)

(F) (Reserved for Future Use)

(G) (Reserved for Future Use)

(H) (Reserved for Future Use)

(I) DS3 to DS1

(T)

An arrangement that multiplexes twenty-eight DS1 digital circuits to a single DS3 digital circuit at a rate of 44.736 Mbps, or multiplexes a single DS3 digital circuit at a rate of 44.736 Mbps to twenty-eight DS1 digital circuits.

(J) DS3C to DS1

(T)

An arrangement that multiplexes fifty-six DS1 digital circuits to a single DS3C digital circuit at a rate of 89.472 Mbps, or multiplexes a single DS3C digital circuit at a rate of 89.472 Mbps to fifty-six DS1 digital circuits.

(K) Group to DS1

(T)

An arrangement that multiplexes two wideband analog groupband circuits to a single DS1 digital circuit at a rate of 1.544 Mbps, or multiplexes a single DS1 digital circuit at a rate of 1.544 Mbps to two wideband analog groupband circuits.

(L) Digital Data Carrier Multiplexer

(T)

An arrangement that multiplexes a single DS1 1.544 Mbps digital circuit to twenty-three DSO digital ports for connection to either a subrate data multiplexer as described in 5.5(M) following or 56 Kbps digital circuits.

(M) Digital Data Subrate Multiplexer

(T)

Used with cascading multiplexing, the Digital Data Subrate Multiplexer is an arrangement that multiplexes the following quantities of subrate digital data circuits into a single DSO digital port: 1) twenty 2.4 Kbps, 2) ten 4.8 Kbps or 3) five 9.6 Kbps. In turn, the DSO digital port is then multiplexed to a single DS1 digital circuit using the Digital Data Carrier Multiplexer described in 5.5(L) preceding.

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5. SPECIAL ACCESS (Cont'd)

5.5 Description of Multiplexing Arrangements (Cont'd)

(F) (Reserved for Future Use)

(G) (Reserved for Future Use)

(H) (Reserved for Future Use)

(I) DS3 to DS1 (USOC - HXB++)

An arrangement that multiplexes twenty-eight DS1 digital circuits to a single DS3 digital circuit at a rate of 44.736 Mbps, or multiplexes a single DS3 digital circuit at a rate of 44.736 Mbps to twenty-eight DS1 digital circuits.

(J) DS3C to DS1 (USOC - MQT++)

An arrangement that multiplexes fifty-six DS1 digital circuits to a single DS3C digital circuit at a rate of 89.472 Mbps, or multiplexes a single DS3C digital circuit at a rate of 89.472 Mbps to fifty-six DS1 digital circuits.

(K) Group to DS1 (USOC - MQG++)

An arrangement that multiplexes two wideband analog groupband circuits to a single DS1 digital circuit at a rate of 1.544 Mbps, or multiplexes a single DS1 digital circuit at a rate of 1.544 Mbps to two wideband analog groupband circuits.

(L) Digital Data Carrier Multiplexer (USOC - QMU)

An arrangement that multiplexes a single DS1 1.544 Mbps digital circuit to twenty-three DSO digital ports for connection to either a subrate data multiplexer as described in 5.5(M) following or 56 Kbps digital circuits.

(M) Digital Data Subrate Multiplexer (USOC - QSU24; QSU48; QSU96)

Used with cascading multiplexing, the Digital Data Subrate Multiplexer is an arrangement that multiplexes the following quantities of subrate digital data circuits into a single DSO digital port: 1) twenty 2.4 Kbps, 2) ten 4.8 Kbps or 3) five 9.6 Kbps. In turn, the DSO digital port is then multiplexed to a single DS1 digital circuit using the Digital Data Carrier Multiplexer described in 5.5(L) preceding.

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5. SPECIAL ACCESS (Cont'd)5.6 Rate Regulations

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

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5.6.1 Types of Rates and Charges

There are four types of rates and charges. These are monthly rates, daily rates, time sensitive rates and nonrecurring charges. The rates and charges are described as follows:

(A) Monthly Rates

Monthly rates are recurring charges 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) Daily Rates

Daily rates are recurring charges that apply to each 24 hour period or fraction thereof that a part-time Program Audio Special Access Service is provided. This 24 hour period is not limited to a calendar day. When part-time Program Audio service is provided for ten or more consecutive days it will be treated as a full-time service and monthly rates will apply. In no event will the charges for continuous part-time Program Audio service exceed the amount that would be charged in the same time period for full-time service.

(C) Time Sensitive RatesHourly Rates

Hourly rates are recurring charges that apply to each 60 minute period, or fraction thereof, that a part-time Videoband Special Access Service is provided. The billing period commences when the video circuit is available for the customer's use and ceases when the customer's use is discontinued. There is a maximum monthly charge that may be assessed to any Temporary Videoband - Special Access Service. The maximum charge during any 30 day period will be that amount equal to 100 hours of use.

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FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(D) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for specific work activity, (i.e., installation of service or change to an existing service). The types of nonrecurring charges that apply for Special Access Service are those listed below.

(1) Special Access Ordering Charges

Special Access Ordering Charges are associated with the work performed by the Telephone Company in connection with the receiving, recording and processing of customer service requests. There are two types of service ordering charges.

(a) Initial Ordering Charge - Special Access (T)

This charge applies on a per Access Service Request (ASR) basis, including those requests to add additional termination to an existing service.

(b) Subsequent Ordering Charge - Special Access (T)

This charge applies on a per ASR basis for modifications to an existing service. This would include activities such as:

Additions of supplemental features and multiplexing arrangements.

Changes in the type of transport rate option from Switched Transport to Special Transport for FGA and FGB Switched Access Service as described in 4.1 preceding.

(2) Nonrecurring Charge for Service Installation

The Nonrecurring Charge for service installation is associated with the work performed by the Telephone Company in connection with the physical installation activities involving central office and/or outside plant facilities. This charge applies on a per SAL basis for the installation of service, and for additional terminations to existing service.

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Gary Kepley
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Overland Park, Kansas

FACILITIES FOR INTRASTATE ACCESS

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5.6 Rate Regulations (Cont'd)MISSOURI
Public Service Commission5.6.1 Types of Rates and Charges (Cont'd)(D) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for specific work activity, (i.e., installation of service or change to an existing service). The types of nonrecurring charges that apply for Special Access Service are those listed below.

(1) Special Access Ordering Charges

Special Access Ordering Charges are associated with the work performed by the Telephone Company in connection with the receiving, recording and processing of customer service requests. There are two types of service ordering charges.

(a) Initial Ordering Charge - Special Access (USOC - SESCL)

This charge applies on a per Access Service Request (ASR) basis, including those requests to add additional termination to an existing service.

(b) Subsequent Ordering Charge - Special Access (USOC - SESBX)

This charge applies on a per ASR basis for modifications to an existing service. This would include activities such as:

- Additions of supplemental features and multiplexing arrangements.
- Changes in the type of transport rate option from Switched Transport to Special Transport for FGA and FGB Switched Access Service as described in 4.1 preceding.

(2) Nonrecurring Charge for Service Installation

The Nonrecurring Charge for service installation is associated with the work performed by the Telephone Company in connection with the physical installation activities involving central office and/or outside plant facilities. This charge applies on a per SAL basis for the installation of service, and for additional terminations to existing service.

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FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(D) Nonrecurring Charges (Cont'd)

(3) Design Change Charge

(T)

The customer may request a design change to the service ordered. A design change is any change to a pending ASR for Special Access Service which requires engineering review. Design changes include such things as the addition or deletion of supplemental features or changes in the terminating options. Design changes do not include a change of IC CDL or end user premises when its serving wire center changes or Special Access service type (e.g., 2-wire to 4-wire Voiceband or Voiceband to Program Audio, etc.). Changes of this nature will require the issuance of a new ASR and the cancellation of the original ASR. The cancellation charges apply as set forth in 3.2.6.

The Telephone Company will review the requested change, notify the customer whether the change can be accommodated and specify if a new service date is required. If the customer authorizes the Telephone Company to proceed with the design change, a Design Change Charge will apply.

The Design Change Charge, in 5.7.1, will apply on a per ASR per occurrence basis, for each ASR requiring a design change.

If a change of service date is required, the Service Date Change Charge in Section 3 will also apply.

(4) Installation of Supplemental Features and Multiplexing Arrangements

Nonrecurring charges apply for the installation of certain supplemental features and multiplexing arrangements available with Special Access service. The charge applies whether the feature or multiplexing arrangement is installed coincident with the initial installation of service or at any time subsequent to the installation of service. These charges are in addition to the appropriate Special Access Ordering Charge as set forth in 5.6.1(D)(1).

(5) Installation of DS1 and FT1 Special Access Lines

(a) There are two levels of NRC and monthly charges for the installation of a DS1 SAL in 5.7.7(A). The "First System" charge is assessed per SAL for the first DS1 service ordered by a customer between CDLs or a hub wire center. When the same customer requests additional DS1 service on the same ASR, to be installed at the same time and between the same CDLs as the "First System" DS1 SAL, the lesser charge under "Additional System" will apply.

(D)
(D)

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Director - Regulatory Operations
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5. SPECIAL ACCESS (Cont'd)

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5.6 Rate Regulations (Cont'd)MISSOURI
Public Service Commission5.6.1 Types of Rates and Charges (Cont'd)(D) Nonrecurring Charges (Cont'd)(3) Design Change Charge (USOC - #28)

The customer may request a design change to the service ordered. A design change is any change to a pending ASR for Special Access Service which requires engineering review. Design changes include such things as the addition or deletion of supplemental features or changes in the terminating options. Design changes do not include a change of IC CDL or end user premises when its serving wire center changes or Special Access service type (e.g., 2-wire to 4-wire Voiceband or Voiceband to Program Audio, etc.). Changes of this nature will require the issuance of a new ASR and the cancellation of the original ASR. The cancellation charges apply as set forth in 3.2.6.

The Telephone Company will review the requested change, notify the customer whether the change can be accommodated and specify if a new service date is required. If the customer authorizes the Telephone Company to proceed with the design change, a Design Change Charge will apply.

The Design Change Charge, in 5.7.1, will apply on a per ASR per occurrence basis, for each ASR requiring a design change.

If a change of service date is required, the Service Date Change Charge in Section 3 will also apply.

(4) Installation of Supplemental Features and Multiplexing Arrangements

Nonrecurring charges apply for the installation of certain supplemental features and multiplexing arrangements available with Special Access service. The charge applies whether the feature or multiplexing arrangement is installed coincident with the initial installation of service or at any time subsequent to the installation of service. These charges are in addition to the appropriate Special Access Ordering Charge as set forth in 5.6.1(D)(1).

(5) Installation of DS1 and FT1 Special Access Lines

(a) There are two levels of NRC and monthly charges for the installation of a DS1 SAL in 5.7.7(A). The "First System" charge is assessed per SAL for the first DS1 service ordered by a customer between CDLs or a hub wire center. When the same customer requests additional DS1 service on the same ASR, to be installed at the same time and between the same CDLs as the "First System" DS1 SAL, the lesser charge under "Additional System" will apply.

(b) (Reserved for Future Use)

(c) (Reserved for Future Use)

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FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(D) Nonrecurring Charges (Cont'd)

(5) Installation of DS1 and FT1 Special Access Lines (Cont'd)

(b) Fractional T1 Standard Arrangements

Customers subscribing to Fractional T1 service, at rates set forth in 5.7.9(A), will be assessed a nonrecurring charge. The NRC for Fractional T1 service will be assessed per SAL.

(c) **(Reserved for Future Use)**

(C)

(D)

(D)

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FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(D) Nonrecurring Charges (Cont'd)

(5) Installation of DS1 and FT1 Special Access Lines (Cont'd)

(b) Fractional T1 Standard Arrangements (T)

Customers subscribing to Fractional T1 service, at rates set forth in 5.7.9(A), will be assessed a nonrecurring charge. The NRC for Fractional T1 service will be assessed per SAL.

(c) Fractional T1 Optional Payment Plan (OPP) Arrangements (T)

Customers subscribing to the Fractional T1 OPP arrangements, at rates set forth in 5.7.9(B), will not be assessed a nonrecurring charge.

The regulations in Section 5.6.1(D)(8) will apply to FT1 OPP customers when required for changes and other service rearrangements.

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(D) Nonrecurring Charges (Cont'd)

(5) Installation of DS1 and FT1 Special Access Lines (Cont'd)

(d) Fractional T1 Standard Arrangements

Customers subscribing to Fractional T1 service, at rates set forth in 5.7.9(A), will be assessed a nonrecurring charge. The NRC for Fractional T1 service will be assessed per SAL.

(e) Fractional T1 Optional Payment Plan (OPP) Arrangements

Customers subscribing to the Fractional T1 OPP arrangements, at rates set forth in 5.7.9(B), will not be assessed a nonrecurring charge.

The regulations in Section 5.6.1(D) (8) will apply to FT1 OPP customers when required for changes and other service rearrangements.

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FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(D) Nonrecurring Charges (Cont'd)

(6) **Reserved for Future Use**

(C)

(D)

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(D)

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5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(D) Nonrecurring Charges (Cont'd)

(6) Installation of Temporary Videoband Service

There are two nonrecurring charges for the installation of Temporary Videoband Service. One nonrecurring charge will be assessed when permanent in place facilities are used to provide the service, and a different nonrecurring charge will be assessed when nonpermanent portable facilities are used to provide the service.

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