

KNOLOGY, INC.  
TARIFF FOR INTERSTATE DOMESTIC ACCESS SERVICE

Service is provided by means of wire, radio, terrestrial, or satellite facilities or any combination thereof, as specified herein.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****CHECK SHEET**

Title Page 1 to 196 of this Tariff are effective as of the date shown. Original and revised pages as named below contain all changes that are in effect on the date hereof.

<b><u>Page</u></b>	<b><u>Number of Revision Except as Indicated</u></b>	<b><u>Page</u></b>	<b><u>Number of Revision Except as Indicated</u></b>	<b><u>Page</u></b>	<b><u>Number of Revision Except as Indicated</u></b>
Title	Original				
1-1	Original	2-21	Original	3-9	Original
1-2	Original	2-22	Original	3-10	Original
1-3	Original	2-23	Original	3-11	Original
1-4	Original	2-24	Original	3-12	Original
1-5	Original	2-25	Original	3-13	Original
1-6	Original	2-26	Original	3-14	Original
1-7	Original	2-27	Original	3-15	Original
1-8	Original	2-28	Original	3-16	Original
1-9	Original	2-29	Original	4-1	Original
1-10	Original	2-30	Original	4-2	Original
1-11	Original	2-31	Original	5-1	Original
1-12	Original	2-32	Original	5-2	Original
1-13	Original	2-33	Original	5-3	Original
1-14	Original	2-34	Original	5-4	Original
1-15	Original	2-35	Original	5-5	Original
1-16	Original	2-36	Original	5-6	Original
1-17	Original	2-37	Original	5-7	Original
1-18	Original	2-38	Original	5-8	Original
1-19	Original	2-39	Original	5-9	Original
1-20	Original	2-40	Original	5-10	Original
1-21	Original	2-41	Original	5-11	Original
2-1	Original	2-42	Original	5-12	Original
2-2	Original	2-43	Original	5-13	Original
2-3	Original	2-44	Original	5-14	Original
2-4	Original	2-45	Original	5-15	Original
2-5	Original	2-46	Original	5-16	Original
2-6	Original	2-47	Original	5-17	Original
2-7	Original	2-48	Original	5-18	Original
2-8	Original	2-49	Original	5-19	Original
2-9	Original	2-50	Original	5-20	Original
2-10	Original	2-51	Original	5-21	Original
2-11	Original	2-52	Original	5-22	Original
2-12	Original	2-53	Original	5-23	Original
2-13	Original	2-54	Original	5-24	Original
2-14	Original	3-1	Original	5-25	Original
2-15	Original	3-2	Original	5-26	Original
2-16	Original	3-3	Original	5-27	Original
2-17	Original	3-4	Original	5-28	Original
2-18	Original	3-5	Original	5-29	Original
2-19	Original	3-6	Original	5-30	Original
2-20	Original	3-7	Original		
		3-8	Original		

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****CHECK SHEET**

Title Page 1 to 195 of this Tariff are effective as of the date shown. Original and revised pages as named below contain all changes that are in effect on the date hereof.

<b><u>Page</u></b>	<b><u>Number of Revision Except as Indicated</u></b>	<b><u>Page</u></b>	<b><u>Number of Revision Except as Indicated</u></b>	<b><u>Page</u></b>	<b><u>Number of Revision Except as Indicated</u></b>
5-31	Original	6-25	Original	16-12	Original
5-32	Original	7-1	Original	16-13	Original
5-33	Original	8-1	Original	16-14	Original
5-34	Original	9-1	Original	16-15	Original
5-35	Original	9-2	Original	16-16	Original
5-36	Original	9-3	Original		
5-37	Original	9-4	Original		
5-38	Original	9-5	Original		
5-39	Original	9-6	Original		
5-40	Original	9-7	Original		
6-1	Original	9-8	Original		
6-2	Original	9-9	Original		
6-3	Original	9-10	Original		
6-4	Original	9-11	Original		
6-5	Original	9-12	Original		
6-6	Original	9-13	Original		
6-7	Original	9-14	Original		
6-8	Original	10-1	Original		
6-9	Original	11-1	Original		
6-10	Original	12-1	Original		
6-11	Original	13-1	Original		
6-12	Original	14-1	Original		
6-13	Original	15-1	Original		
6-14	Original	16-1	Original		
6-15	Original	16-2	Original		
6-16	Original	16-3	Original		
6-17	Original	16-4	Original		
6-18	Original	16-5	Original		
6-19	Original	16-6	Original		
6-20	Original	16-7	Original		
6-21	Original	16-8	Original		
6-22	Original	16-9	Original		
6-23	Original	16-10	Original		
6-24	Original	16-11	Original		

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****TABLE OF CONTENTS**

	<b><u>Page No.</u></b>
Title Page.....	Title
Check Sheet.....	1
Table Of Contents .....	4
Concurring Carriers .....	15
Connecting Carriers .....	15
Other Participating Carriers.....	15
Registered Service Marks .....	15
Registered Trademarks .....	15
Explanation Of Symbols.....	16
Explanation Of Abbreviations .....	16
Reference To Technical Publications.....	18
 1. <u>APPLICATION OF TARIFF</u> .....	 1-1
 2. <u>GENERAL REGULATIONS</u> .....	 2-1
2.1 <u>Undertaking of the Telephone Company</u> .....	2-1
2.1.1     Scope.....	2-1
2.1.2     Provision of Services .....	2-2
2.1.3     Ownership of Facilities.....	2-2
2.1.4     Service Maintenance.....	2-2
2.1.5     Changes and Substitutions.....	2-2
2.1.6     Shortage of Equipment or Facilities .....	2-3
2.1.7     Notification of Service-Affecting Activities .....	2-4
2.1.8     Coordination with Respect to Network Contingencies .....	2-4
2.1.9     Limitations .....	2-5
2.1.10    Liability .....	2-6
2.1.11    Non-routine Installation.....	2-10
2.1.12    Special Construction.....	2-10
2.1.13    Identification and Rating of VoIP-PSTN Traffic .....	2-11

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****TABLE OF CONTENTS (Cont'd)****Page No.**

2.	<b><u>GENERAL REGULATIONS</u></b> (Cont'd)	
2.2	<b><u>Term and Charge of Service</u></b> .....	2-13
2.3	<b><u>Obligations of the Customer</u></b> .....	2-14
2.3.1	Payment of Charges .....	2-14
2.3.2	Damages.....	2-15
2.3.3	Equipment Space and Power .....	2-15
2.3.4	Rights-of-way .....	2-15
2.3.5	Availability for Installing, Maintaining, and Removing .....	2-16
2.3.6	Customer Provided Equipment .....	2-16
2.3.7	Coordination with Respect to Network Contingencies .....	2-17
2.3.8	Indemnification of the Company by the Customer and the End User .....	2-17
2.3.9	Jurisdictional Report - Switched Access .....	2-18
2.3.10	Determination of Jurisdiction of Mixed Use Special Access Service .....	2-21
2.3.11	Jurisdictional Reports Verification.....	2-22
2.3.12	Payment of Service Charges imposed by another Entity.....	2-23
2.3.13	Ordering Where More than One Company is Involved.....	2-23
2.3.14	Rating and Billing of Access Services Where More than One Company is Involved .....	2-23
2.4	<b><u>Prohibited Use</u></b> .....	2-24
2.5	<b><u>Interconnection</u></b> .....	2-25
2.6	<b><u>Inspection, Testing, and Adjustment</u></b> .....	2-25

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****TABLE OF CONTENTS (Cont'd)**

	<b><u>Page No.</u></b>
2. <b><u>GENERAL REGULATIONS</u></b> (Cont'd )	
2.7 <b><u>Payment arrangements and Credit Allowances</u></b>	
2.7.1 Payment of Rates, Charges and Deposits .....	2-26
2.7.2 Credit Allowance for Service Interruptions.....	2-28
2.7.3 Interest on Customer Overpayments.....	2-29
2.8 <b><u>Cancellation of Service or Application for Service</u></b> .....	2-29
2.9 <b><u>Refusal or Discontinuance by the Company</u></b> .....	2-30
2.10 <b><u>Restoration of Service</u></b> .....	2-32
2.11 <b><u>Changes in Equipment and Services</u></b> .....	2-32
2.12 <b><u>Use of Recording Devices</u></b> .....	2-32
2.13 <b><u>Assignment</u></b> .....	2-33
2.14 <b><u>License, Agency or Partnership</u></b> .....	2-33
2.15 <b><u>Proprietary Information</u></b> .....	2-33
2.16 <b><u>Company's Right to Assign, Designate, or Change Telephone Number</u></b> .....	2-33
2.17 <b><u>Definitions</u></b> .....	2-34

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****TABLE OF CONTENTS (Cont'd)****Page No.****2. GENERAL REGULATIONS (Cont'd)**

2.17	<u>Definitions</u> .....	34
	800 Series Service.....	34
	800 Series DataBase Access Service.....	34
	Access Code.....	34
	Access Minutes .....	34
	Access Tandem .....	34
	Aggregator .....	34
	Answer/Disconnect Supervision.....	35
	Attenuation Distortion .....	35
	Balance (100 Type) Test Line .....	35
	Bit .....	35
	Business Day .....	35
	Busy Hour Minutes of Capacity (BHMC).....	36
	Call .....	36
	Carrier or Common Carrier .....	36
	CCS.....	36
	Central Office .....	36
	Central Office Maintenance Technician.....	37
	Central Office Prefix .....	37
	Channel(s).....	37
	Channel Service Unit.....	37
	Channelize .....	37
	Clear Channel Capability.....	37
	C-Message Noise .....	37
	C-Notched Noise.....	38
	Coin Station .....	38
	Committed Information Rate .....	38
	Common Line .....	38
	Common Channel Signaling .....	38
	Communications System .....	38
	Customer(s).....	38
	Customer Designated Premises .....	39
	Data Transmission (107 Type) Test Line .....	39
	Decibel .....	39
	Decibel Reference Noise C-Message Weighting .....	39
	Decibel Reference Noise C-Message Referenced to 0.....	39
	Detail Billing .....	39
	Digital Switched 56 Service .....	39
	Direct-Trunked Transport.....	40
	Directory Assistance (Intrastate) .....	40
	Directory Assistance Location (Intrastate).....	40
	Dual Tone Multifrequency Address Signaling .....	40

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****TABLE OF CONTENTS (Cont'd)****Page No.****2. GENERAL REGULATIONS (Cont'd )****2.17 Definitions (Cont'd)**

Echo Control .....	40
Echo Path Loss .....	40
Echo Return Loss.....	40
Effective - 2-wire .....	41
Effective - 4-wire .....	41
End Office .....	41
End User .....	41
Enhanced Service.....	42
Entrance Facility .....	42
Entry Switch .....	42
Envelope Delay Distortion .....	42
Equal Level Echo Path Loss .....	42
Exchange.....	42
Exit Message.....	43
Expected Measured Loss .....	43
Extended Area Service .....	43
Extended PVC .....	43
First Point of Switching .....	43
Frame .....	43
Frame Relay Access Customer Port .....	43
Frame Relay Access Service.....	44
Frame Relay End User Port .....	44
Frequency Shift.....	44
Host Central Office.....	44
Hub .....	44
Impedance Balance .....	45
Impulse Noise .....	45
Individual Case Basis .....	45
Initial Address Message.....	45
Inserted Connection Loss .....	45
Installation and Repair Technician .....	46
Interexchange Carrier (IC) or Interexchange Common Carrier.....	46
Intermediate Hub .....	46
Intermodulation Distortion .....	46
Intrastate Communications .....	46
Legal Holiday .....	47
Line Side Connection .....	47
Local Access and Transport Area (LATA) .....	47
Local Area Network .....	47
Loss Deviation .....	47
Major Fraction Thereof .....	47

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833



**INTERSTATE DOMESTIC ACCESS SERVICES****TABLE OF CONTENTS (Cont'd)**

	<b><u>Page No.</u></b>
2. <b><u>GENERAL REGULATIONS</u></b> (Cont'd )	
2.17 <b><u>Definitions</u></b> (Cont'd)	
Message .....	47
Milliwatt (102 Type) Test Line .....	48
Network Control Signaling .....	48
Nonsynchronous Test Line .....	48
North American Numbering Plan .....	48
Off-hook .....	48
On-hook .....	49
Open Circuit Test Line .....	49
Originating Direction .....	49
Pay Telephone .....	49
Payphone Service Provider .....	49
Permanent Virtual Connection (PVC) .....	49
Point of Termination .....	49
Premises .....	49
Release Message .....	50
Remote Switching Modules/Systems .....	50
Return Loss .....	50
Registered Equipment .....	50
Service Access Code .....	51
Service Switching Point (SSP) .....	51
Serving Wire Center .....	51
Seven Digit Manual Test Line .....	51
Short Circuit Test Line .....	51
Signal-To-C-Notched Noise Ratio .....	51
Signaling Point (SP) .....	51
Signaling Point of Interface (SPOI) .....	52
Signaling System 7 (SS7) .....	52
Signaling Transfer Point (STP) .....	52
Signal Transfer Point (STP) Port .....	52
Signaling Return Loss .....	52
Special Order .....	52
Standard PVC .....	52
Subtending End Office of an Access Tandem .....	52
Synchronous Test Line .....	53
Tandem Switched Transport .....	53
Terminating Direction .....	53
Terminus Hub .....	53
Throughput .....	53
Transmission Measuring (105 Type) Test Line/Responder .....	53
Transmission Path .....	53
Trunk .....	53
Trunk Group .....	54
Trunk Side Connection .....	54
Two-Wire to Four-Wire Conversion .....	54
V and H Coordinates Method .....	54
WATS Serving Office .....	54
Wireless Switching Center .....	54
Wire Center .....	54
Zones .....	54

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****TABLE OF CONTENTS (Cont'd)**

	<b><u>Page No.</u></b>
3. <u>ACCESS ORDERING</u> .....	3-1
3.1 <u>General Description</u> .....	3-1
3.1.1 Ordering Conditions .....	3-1
3.1.2 Service Installation .....	3-1
3.1.3 Expedited Orders .....	3-2
3.1.4 Selection of Facilities for Access Order.....	3-3
3.2 <u>Ordering Requirements</u> .....	3-4
3.3 <u>Access Orders For Services Provided By More Than One Company</u> .....	3-7
3.4 <u>Charges Associated with Access Ordering</u> .....	3-9
3.4.1 Access Order Charge .....	3-9
3.4.2 Miscellaneous Service Order Charge .....	3-10
3.4.3 Access Order Change Charges .....	3-11
3.5 <u>Minimum Periods and Cancellations</u> .....	3-14
3.5.1 Minimum Periods .....	3-14
3.5.2 Cancellation of an Access Order .....	3-15

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****TABLE OF CONTENTS (Cont'd)**

	<b><u>Page No.</u></b>
4. <u>CARRIER COMMON LINE ACCESS SERVICES</u> .....	4-1
4.1 <u>General Description</u> .....	4-1
4.2 <u>Obligation of the Customer</u> .....	4-2
4.1.1 Switched Access Service Requirement .....	4-2
4.1.2 Supervision .....	4-2
4.3 <u>Determination of Usage Subject to carrier common line Access Charges</u> .....	4-2
4.4 <u>Presubscribed Interexchange Carrier Charge (PICC)</u> .....	4-2
5. <u>SWITCHED ACCESS SERVICES</u> .....	5-1
5.1 <u>General</u> .....	5-1
5.1.1 Description and Provision of Switched Access Service Arrangements .....	5-1
5.1.2 Ordering Options and Conditions .....	5-4
5.1.3 Rate Categories .....	5-4
5.1.4 Special Facilities Routing .....	5-14
5.1.5 Design Layout Report .....	5-15
5.2 <u>Undertaking of the Company</u> .....	5-15
5.2.1 Network Management .....	5-15
5.2.2 Testing .....	5-16
5.2.3 Trunk Group Measurement Reports .....	5-17
5.3 <u>Obligations of the Customer</u> .....	5-17
5.3.1 Report Requirements .....	5-17
5.3.2 Supervisory Signaling .....	5-17
5.3.3 Short Duration Mass Calling Requirements .....	5-18
5.3.4 Design of Switched Access Service .....	5-18
5.4 <u>Rate Regulations</u> .....	5-18
5.4.1 Description and Application of Rate .....	5-18
5.4.2 Moves .....	5-26
5.4.3 Mileage Measurement .....	5-26
5.4.4 Non-Chargeable Optional Features .....	5-27
5.4.4.1 Common Switching Options .....	5-27
5.4.5 Chargeable Optional Features .....	5-33
5.4.6 Design and Traffic Routing .....	5-37
5.4.7 Measuring Access Minutes .....	5-37
5.4.8 Testing Capabilities .....	5-40
5.4.9 Special Construction Rate Determination .....	5-40

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****TABLE OF CONTENTS (Cont'd)**

	<b><u>Page No.</u></b>
6. <u>SPECIAL ACCESS SERVICE</u> .....	6-1
6.1 <u>General</u> .....	6-1
6.2 <u>Description</u> .....	6-2
6.2.1 Voice Grade Service.....	6-2
6.2.1.2 Basic Channel Description .....	6-2
6.2.1.3 Optional Features and Functions .....	6-2
6.2.2 Digital Data Service.....	6-6
6.2.2.1 Basic Channel Description .....	6-6
6.2.2.2 Optional Features and Functions .....	6-7
6.2.3 High Capacity Service .....	6-8
6.2.3.1 Basic Channel Description .....	6-8
6.2.3.2 Optional Features and Functions .....	6-9
6.3 <u>Service Configurations</u> .....	6-11
6.4 <u>Alternate Use</u> .....	6-12
6.5 <u>Special Facilities Routing</u> .....	6-12
6.6 <u>Design Layout Report</u> .....	6-12
6.7 <u>Acceptance Testing</u> .....	6-13
6.8 <u>Ordering Options and Conditions</u> .....	6-13
6.9 <u>Rate Regulations</u> .....	6-14
6.9.1 Rate Categories.....	6-14
6.9.2 Types of Rates and Charges .....	6-17
6.9.3 Moves .....	6-20
6.9.4 Mileage Measurement .....	6-22

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****TABLE OF CONTENTS (Cont'd)****Page No.**

6.	<u>SPECIAL ACCESS SERVICE</u> (Cont'd)	
6.10	<u>Mixed Use Analog and Digital High Capacity Services</u> .....	6-24
6.11	<u>Individual Case Filings</u> .....	6-25
7.	<u>SPECIAL FACILITIES ROUTING OF ACCESS SERVICES</u> .....	7-1
7.1	<u>Description</u> .....	7-1
7.1.1	Diversity .....	7-1
7.1.2	Avoidance .....	7-1
7.1.3	Diversity and Avoidance Combined.....	7-1
8.	<u>SPECIALIZED SERVICE OR ARRANGEMENTS</u> .....	8-1
8.1	<u>General</u> .....	8-1

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****TABLE OF CONTENTS (Cont'd)****Page No.**

9.	<u>ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS SERVICES</u>	
9.1	<u>Additional Engineering</u> .....	9-1
9.2	<u>Additional Labor</u> .....	9-2
9.2.1	Overtime Installation .....	9-2
9.2.2	Overtime Repair.....	9-2
9.2.3	Stand by .....	9-2
9.2.4	Testing and Maintenance with Other Companies.....	9-2
9.2.5	Other Labor.....	9-3
9.3	<u>Miscellaneous Services</u> .....	9-3
9.3.1	Testing Services.....	9-3
9.3.2	Maintenance of Service .....	9-7
9.3.3	Telecommunications Service Priority - TSP .....	9-8
9.3.4	Billing Name and Address (BNA) Service.....	9-10
9.3.5	End User Access Service.....	9-11
9.3.6	Secondary Service Order Charge.....	9-14
10.	<u>RESERVED FOR FUTURE USE</u> .....	10-1
11.	<u>RESERVED FOR FUTURE USE</u> .....	11-1
12.	<u>RESERVED FOR FUTURE USE</u> .....	12-1
13.	<u>RESERVED FOR FUTURE USE</u> .....	13-1
14.	<u>RESERVED FOR FUTURE USE</u> .....	14-1
15.	<u>RESERVED FOR FUTURE USE</u> .....	15-1

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****TABLE OF CONTENTS (Cont'd)****Page No.**

16.	<b><u>RATES AND CHARGES</u></b>	
16.1	<b><u>Common Line Access Service</u></b> .....	16-1
16.1.1	Carrier Common Line Access Service .....	16-1
16.2	<b><u>Switched Access Service</u></b> .....	16-1
16.2.1	Nonrecurring Charges.....	16-1
16.2.2	Local Transport.....	16-2
16.2.3	End Office.....	16-5
16.2.4	Operator Transfer Service .....	16-5
16.3	<b><u>Special Access Service</u></b> .....	16-5
16.3.1	Voice Grade Service.....	16-5
16.3.2	Digital Data Service.....	16-7
16.3.3	High Capacity Service .....	16-9
16.4	<b><u>Other Services</u></b> .....	16-10
16.4.1	Access Ordering.....	16-10
16.4.2	Additional Engineering.....	16-11
16.4.3	Additional Labor.....	16-12
16.4.4	Miscellaneous Services.....	16-14
16.4.5	Special Facilities Routing of Access Services.....	16-15
16.4.6	Specialized Service or Arrangements .....	16-16

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES**

CONCURRING CARRIERS

Knology of Alabama, Inc.  
Knology Broadband of Florida, Inc  
Knology of Florida, Inc.  
Knology of Georgia, Inc.  
Knology of South Carolina, Inc.  
Knology of Tennessee, Inc.  
Knology Providers Solutions Group, Inc.

CONNECTING CARRIERS

NONE

OTHER PARTICIPATING CARRIERS

NONE

REGISTERED SERVICE MARKS

NONE

REGISTERED TRADEMARKS

NONE

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833



**INTERSTATE DOMESTIC ACCESS SERVICES****EXPLANATION OF SYMBOLS**

C	- to signify changed regulation.
D	- to signify discontinued rate or regulation.
I	- to signify increase to a rate or charge.
M	- to signify matter relocated without change.
N	- to signify new rate or regulation.
R	- to signify reduction to a rate or charge.
S	- to signify matter reissued without change.
T	- to signify a change in text but no change in rate or regulation.
Z	- to signify a correction.

**EXPLANATION OF ABBREVIATIONS**

ADA	- Abbreviated Dialing Arrangement
AML	- Actual Measured Loss
ANI	- Automatic Number Identification
AP	- Program Audio
AT&T	- American Telephone and Telegraph Company
BHMC	- Busy Hour Minutes of Capacity
CDP	- Customer Designated Premises
CI	- Channel Interface
CO	- Central Office
Cont'd	- Continued
CPE	- Customer Provided Equipment
DA	- Directory Assistance
dB	- decibel
dBrnC	- Decibel Reference Noise C-Message Weighting
dBrnCO	- Decibel Reference Noise C-Message Weighted O
dc	- direct current
DDD	- Direct Distance Dialing
EAS	- Extended Area Service
EDD	- Envelope Delay Distortion
EML	- Expected Measured Loss
EPL	- Echo Path Loss
ERL	- Echo Return Loss
ESS	- Electronic Switching System
ESSX	- Electronic Switching System Exchange
f	- frequency
FCC	- Federal Communications Commission

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****EXPLANATION OF ABBREVIATIONS** (Cont'd)

HC	- High Capacity
Hz	- Hertz
C	- Interexchange Carrier
ICB	- Individual Case Basis
ICL	- Inserted Connection Loss
kbps	- kilobits per second
kHz	- kilohertz
LATA	- Local Access and Transport Area
ma	- milliamperes
Mbps	- Megabits per second
mcs	- Microsecond
MHz	- Megahertz
MRC	- Monthly Recurring Charge
MT	- Metallic
MTS	- Message Telecommunications Service(s)
MTSO	- Mobile Telephone Switching Office
NPA	- Numbering Plan Area
NRC	- Nonrecurring Charge
NXX	- Three - Digit Central Office Prefix
PBX	- Private Branch Exchange
PIC	- Presubscribed Interexchange Carrier
POT	- Point of Termination
SAC	- Service Access Code
SRL	- Singing Return Loss
SWC	- Serving Wire Center
TG	- Telegraph Grade
TLP	- Transmission Level Point
TV	- Television
VG	- Voice Grade
V & H	- Vertical & Horizontal
WATS	- Wide Area Telecommunications Service(s)
WSO	- WATS Serving Office

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **REFERENCE TO TECHNICAL PUBLICATIONS**

The following technical publications are referenced in this Tariff and may be obtained from Bell Communications Research, Inc., Customer Services, 60 New England Ave., Piscataway, NJ 08854-4196.

Technical Reference:

Multiple Exchange Carrier Access Billing (MECAB) Guidelines  
Issued: December, 1990

Multiple Exchange Carrier Ordering and Design (MECOD) Guidelines  
Issued: September 10, 1990

PUB 41004 Data Communications Using Voiceband Private Line Channels  
Issued: October 1973

PUB 62310 Digital Data System Channel Interface Specification  
Issued: September 1983

PUB 62411 High Capacity Digital Service Channel Interface Specification  
Issued: September 1983, Addendum October 1984

TR-NPL-000258 Compatibility Information for Feature Group D Switched Access Service  
Issued: October 1985

TR-NWT-000334 Issue 2 Voice Grade Switched Access Service - Transmission Parameter Limits and Interface Combinations  
Issued: September 1990

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **REFERENCE TO TECHNICAL PUBLICATIONS** (Cont'd)

TR-TSY-000335, Issue 2 Voice Grade Special Access Service - Transmission  
Parameter Limits and Interface Combinations  
Issued: May 1990

TR-NPL-000336 Metallic and Telegraph Grade Special Access Service - Transmission  
Parameter Limits and Interface Combinations  
Issued: October 1987

TR-NPL-000337 Program Audio Special Access Service and Local Channel  
Services  
Issued: July 1987

TR-NPL-000338 Television Special Access and Local Channel Services - Transmission  
Parameter Limits and Interface Combinations  
Issued: December 1986

TR-NPL-000341 Digital Data Special Access Service - Transmission  
Parameter and Interface Combinations  
Issued: March 1989

TR-INS-000342 High Capacity Digital Special Access Service  
Issued: February 1991

SR-STDS-000307 NC/NCI Code Dictionary  
Issued: December 1990

The following technical publication is referenced in this Tariff and may be obtained from the Bell Communications Technical Education Center, Room B02, 6200 Route 53, Lisle, IL 60532.

Telecommunications Transmission Engineering  
Volume 3 - Networks and Services (Chapters 6 and 7)  
Second Edition, 1980  
Issued: June 1980

The following technical publication is referenced in this Tariff and may be obtained from the National Exchange Carrier Association, Inc., Director - Tariff and Regulatory Matters, 100 So. Jefferson Road, Whippany, NJ 07981 and the Federal Communications Commission's commercial contractor.

PUB AS No. 1, Issue II Access Service  
Issued: May, 1984  
Addendum: March 1987

TR-TSY-000506 LATA Switching Systems Generic Requirements (LSSGR)  
Section 6  
Issued: October 1987, Revised December 1988, Revised June 1990

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **REFERENCE TO TECHNICAL PUBLICATIONS** (Cont'd)

The following publications are referenced in this Tariff and may be obtained from the Government Printing Office, Superintendent of Documents, Document Control Branch, 941 N. Capital St., N.E., Washington, D.C. 20401.

Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service Vendor Handbook, National Communications System (NCSH 3-1-2).

Issued July, 1990  
Available August, 1990

Telecommunication Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service User Manual, National Communications System (NCSM 3-1-1).

Issued July, 1990  
Available August, 1990

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **1. APPLICATION OF TARIFF**

The terms and conditions in this Tariff apply to the Interstate Common Carrier Telecommunications Services provided by the Issuing Carrier of this Tariff, hereinafter the Company. The Company may provide any of the services offered under this Tariff or any combination of services to Customers through the use of contracts. Terms and conditions of each contract offering is subject to the agreement of both the Customer and the Company. Customized service packages and competitive pricing arrangements at negotiated rates may be furnished on an individual case basis. Rates in other Sections of this Tariff do not apply to Customers who agree to contract arrangements with respect to services within the scope of the contract. Specialized rates or charges will be made available to similarly situated Customers on a non-discriminatory basis.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS**

#### **2.1 Undertaking of the Company**

##### **2.1.1 Scope**

- A. The Company's services and facilities are furnished for communications services between and among domestic points within the United States under terms of this Tariff.
- B. The Company arranges for installation, operation, and maintenance of the communications services provided in this Tariff for Customers in accordance with the terms and conditions set forth under this Tariff. The Company may act as the Customer's agent for ordering access connection facilities provided by other carriers or entities, when authorized by the Customer, to allow connection of a Customer's location to the Company's network.
- C. The Company will, for maintenance purposes, test its service only to the extent necessary to detect and/or clear troubles.
- D. Services are provided twenty-four (24) hours daily, seven (7) days per week, except as set forth in other applicable sections of this Tariff.
- E. The Company does not undertake to transmit messages, but offers the use of its facilities when available, and will not be liable for errors in transmission or for failure to establish connection.
- F. The Company provides only those services that are contained in this Tariff that the Company is technically capable of providing.
- G. The services provided under this Tariff may be used by the Customer for any lawful telecommunications purpose for which the service is technically suited.
- H. Company services may be connected to the services or facilities of other communications carriers only when authorized by, in accordance with, the terms and conditions of any Tariffs of such other communications carriers.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.1 Undertaking of the Company (Cont'd)**

##### **2.1.2 Provision of Services**

The Company will provide to the Customer, upon reasonable notice, services offered in other applicable sections of this Tariff at rates and charges specified therein. The provision of the Company's services is subject to and contingent upon the Company obtaining and retaining all governmental authorizations that may be required or be deemed necessary by the Company. The Company shall use reasonable efforts to obtain and keep in effect all such governmental authorizations. The Company shall be entitled to take, and shall have no liability for, any action necessary to bring its facilities and/or services into conformance with any requirement or request of the Federal Communications Commission or other governing entity or agency

##### **2.1.3 Ownership of Facilities**

Title to all facilities and equipment, and related plans and proposals, provided by the Company in furnishing service remains with the Company, its agents or contractors.

##### **2.1.4 Service Maintenance**

The services provided under this Tariff shall be maintained by the Company. The Customer or others may not rearrange, move, disconnect, remove or attempt to repair any facilities provided by the Company, other than by connection or disconnection to any interface means used, except with written consent of the Company.

##### **2.1.5 Changes and Substitutions**

The Company may substitute, change or rearrange any equipment or facility at any time and from time to time, but shall not thereby alter the technical parameters of the service provided the Customer.



## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.1 Undertaking of the Company (Cont'd)**

##### **2.1.6 Shortage of Equipment or Facilities**

- A. Service is offered subject to the availability of the necessary facilities and/or equipment and subject to the provisions of this Tariff. The Company may decline applications for service to or from a location where the necessary facilities or equipment are not available. The Company may discontinue furnishing service in accordance with the terms of this Tariff.
- B. The Company reserves the right to limit or to allocate the use of its facilities when necessary because of lack of facilities or due to some other cause beyond the Company's control.
- C. The Company may obtain facilities from other carriers to furnish service as required at the sole discretion of the Company.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.1 Undertaking of the Company (Cont'd)**

##### **2.1.7 Notification of Service-Affecting Activities**

The Company will provide the Customer reasonable notification of service affecting activities that may occur in normal operation of its business. Such activities may include, but are not limited to, equipment or facilities additions, removals or rearrangements and routine preventive maintenance. No specific advance notification period is applicable to all service activities. The Company will work cooperatively with the Customer to determine the reasonable notification requirements. Some emergency or unplanned service-affecting conditions, such as an outage resulting from cable damage, may not allow for notification to the Customer.

##### **2.1.8 Coordination with Respect to Network Contingencies**

The Company intends to work cooperatively with the Customer to develop network contingency plans in order to maintain maximum network capability following natural or man made disasters which affect telecommunications services.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.1 Undertaking of the Company (Cont'd)**

##### **2.1.9 Limitations**

###### **A. Assignment or Transfer of Services**

All services provided under this Tariff are directly or indirectly controlled by the Company and neither the Customer nor its Authorized Users may transfer or assign the use of service without the express prior written consent of the Company. Such transfer or assignment shall only apply where there is no interruption of use or relocation of the service. All terms and conditions contained in this Tariff shall apply to all such permitted transferees or assignees, as well as conditions of service.

The assignment or transfer of services does not relieve or discharge the assignor or transferor from remaining jointly or severally liable with the assignee or transferee for any obligations existing at the time of the assignment or transfer.

###### **B. Use and Restoration of Service**

The use and restoration of services shall be in accordance with Part 64, Subpart D, Appendix A, of the Federal Communications Commission's Rules and Regulations, which specifies the priority system for such activities.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.1 Undertaking of the Company (Cont'd)**

##### **2.1.10 Liability**

###### **A. Limits of Liability**

The liability of the Company for damages arising out of the furnishing of its service, including but not limited to mistakes, outages, omissions, interruptions, delays, errors, or other defects, representations, failures arising out of the use of these services or failure to furnish service, whether caused by act, omission or negligence, shall be limited to the extension of such allowances as set forth in the section of this Tariff on Allowances for Interruptions in Service. The extension of such allowance for interruption shall be the sole remedy of the Customer or other person, and the sole liability of the Company.

The Company's entire liability, if any, for any claim, loss, damage or expense from any cause whatsoever shall in no event exceed sums actually paid Company by Customer for the specific services giving rise to the claim. No action or proceeding against the Company shall be commenced more than one (1) year after the service is rendered.

In no event shall the Company be liable for any incidental, indirect, special, consequential, exemplary, or punitive damages (including lost revenue or profits) of any kind whatsoever regardless of the cause of foreseeability thereof.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.1 Undertaking of the Company (Cont'd)**

##### **2.1.10 Liability (Cont'd)**

##### **B. Act or Omissions**

The Company shall not be liable for any act or omission of any other carrier or Customer providing a portion of a service, nor shall the Company for its own act or omission hold liable any other carrier or Customer providing a portion of a service.

##### **C. Circumstances Beyond the Company's Control**

The Company shall not be liable for any delay or failure of performance hereunder if such failure is due to any cause or causes beyond the reasonable control of the Company. Such causes shall include, without limitation, acts of god, fire, flood, explosion or other catastrophes, vandalism, cable cut, storm or other similar occurrence, any law, order, regulation, direction, action or request of the United States government or any other government, including state and local governments having or claiming jurisdiction over the Company, or of any department, agency, commission, bureau, corporation, or other instrumentality of any one or more of these federal, state or local governments, or of any civil or military authority; national emergencies; insurrections; riots; wars; unavailability of rights-of-way or materials; or strikes, lockout, work stoppages, or other labor difficulties.

The Company does not guarantee or make any warranty with respect to its services when used in an explosive atmosphere. The Company shall be indemnified, defended and held harmless by the Customer from any and all claims by any person relating to such Customer's use of services so provided.

##### **D. Damages Caused by Others**

The Company shall not be liable for interruptions, delays, errors, or defects in transmission, or for any injury whatsoever, caused by the Customer, the Customer's agents, or Authorized Users, or by facilities or equipment provided by the Customer. The Company shall not be liable for any act, omission or defect of an entity furnishing to the Company or to the Customer services, facilities or equipment used for or with the Company's services,; or for the acts or omissions of common carriers or warehousemen.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.1 Undertaking of the Company (Cont'd)**

##### **2.1.10 Liability (Cont'd)**

##### **E. Damages to Customer Premise**

The Company is not liable for damages to the Customer's premise resulting from the furnishing of a service, including the installation and removal of equipment and associated wiring, unless the damage is caused by the willful misconduct of the Company's employees or agents.

##### **F. Indemnification of the Company**

The Customer and the End User shall indemnify, defend and hold harmless the Company (including the costs of reasonable attorney's fees) against:

1. Claims for libel, slander, infringement of copyright or unauthorized use of any trademark, trade name or service mark arising out of the material, data, information, or other content transmitted over the Company's facilities or equipment;
2. Claims for patent infringement arising from combining or connecting the Company's facilities or equipment with facilities, equipment, apparatus or systems of the Customer; and
3. All other claims (including, without limitation, claims for damage to any business or property, or injury to, or death of, any person) arising out of any act or omission of the Customer, the Customer's agents or Authorized Users, in connection with any service or facilities or equipment provided by the Company

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.1 Undertaking of the Company (Cont'd)**

##### **2.1.11 Non-routine Installation**

At the Customer's request, installation and/or maintenance may be performed outside the Company's regular business hours or in unusual locations. In such cases, charges based on cost of actual labor, material, or other costs incurred by or charged to the Company will apply. If installation is started during regular business hours but, at the Customer's request, extends beyond regular business hours into time periods including, but not limited to, weekends, holidays, and/or night hours, additional charges may apply

##### **2.1.12 Special Construction**

Subject to the agreement of the Company and to all of the regulations contained in this Tariff, special construction of facilities may be undertaken on a reasonable efforts basis at the request of the Customer. Special construction is that construction undertaken:

- A. where facilities are not presently available and there is no other requirement for the facilities to be constructed;
- B. of a type other than that which the Company would normally utilize in the furnishing of its services;
- C. over a route other than that which the Company would normally utilize in the furnishing of its services;
- D. in a quantity greater than that which the Company would normally construct;
- E. on an expedited basis;
- F. on a temporary basis until permanent facilities are available;
- G. involving abnormal costs; or
- H. in advance of its normal construction schedules.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****2. GENERAL REGULATIONS (Cont'd)****2.1 Undertaking of the Company (Cont'd)****2.1.13 Identification and Rating of VoIP-PSTN Traffic****A) Scope**

VoIP-PSTN Traffic is defined as traffic exchanged between the Telephone Company end user and the customer in time division multiplexing ("TDM") format that originates and/or terminates in Internet protocol ("IP") format. This section governs the identification of VoIP-PSTN Traffic that is required to be compensated at interstate access rates by the Federal Communications Commission in its Report and Order in WC Docket No. 10-90, *etc.*, FCC Release No. 11-161 (November 18, 2011) ("FCC Order"). Specifically, this section establishes the method of separating such traffic (referred to in this tariff as "Toll VoIP-PSTN Traffic") from the customer's traditional intrastate access traffic, so that such Toll VoIP-PSTN Traffic can be billed in accordance with the FCC Order. The term "Toll VoIP-PSTN Traffic" denotes a customer's interexchange voice traffic exchanged with the Telephone Company in Time Division Multiplexing format over Public Switched Telephone Network (PSTN) facilities, which originates and / or terminates in Internet Protocol (IP) format. "Toll VoIP-PSTN Traffic" originates and/or terminates in IP format when it originates from and / or terminates to an end user customer of a service that requires IP-compatible customer premises equipment.

**(B) Rating of VoIP-PSTN Traffic**

The Toll VoIP-PSTN Traffic identified in accordance with this tariff section will be billed at rates equal to the Telephone Company's applicable tariffed interstate switched access rates as specified in the Telephone Company's applicable federal access tariff.

**(C) Calculation and Application of Percent-VoIP-Usage Factor**

The Telephone Company will determine the number of Toll VoIP-PSTN Traffic minutes of use ("MOU") to which interstate rates will be applied under subsection (B), above, by applying a Percent-VoIP-Usage ("PVU") factor to the total terminating intrastate access MOU received by the Telephone Company from the customer. The PVU will be derived and applied as follows:

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833



## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.1 Undertaking of the Company (Cont'd)**

##### **2.1.13 Identification and Rating of VoIP-PSTN Traffic (Cont'd)**

###### **(C) Calculation and Application of Percent-VoIP-Usage Factor (Cont'd)**

(1) The customer will calculate and furnish to the Telephone Company a factor (the "PVU") representing the percentage of the total intrastate and interstate access MOU that the customer terminates to the Telephone Company in the State that is sent to the Telephone Company and that originated in IP format. This PVU shall be based on information such as traffic studies, actual call detail, or other relevant and verifiable information.

(2) The Telephone Company will apply the PVU factor to the total terminating intrastate access MOU received from the customer to determine the number of Toll VoIP-PSTN Traffic MOUs.

(3) If the customer does not furnish the Telephone Company with a PVU pursuant to the preceding paragraph 1, the Telephone Company will utilize a PVU equal to zero.

###### **(D) Initial Implementation of PVU Factor**

The Telephone Company will apply the Initial PVU factor on the next bill date provided that the PVU factor and the relevant and verifiable supporting documentation described above are provided to the Telephone Company at least 15 days prior to the next bill date. A factor received less than 15 days before the next bill date, will be applied on the bill date following the next bill date unless otherwise agreed to by the Telephone Company and the customer. Otherwise, the Telephone Company will set the initial PVU equal to zero, as specified in subsection (C)(3), above.

###### **(E) PVU Factor Updates**

The customer may update the PVU factor quarterly using the method set forth in subsection (C)(1), above. If the customer chooses to submit such updates, it shall forward to the Telephone Company, no later than 15 days after the first day of January, April, July and/or October of each year, a revised PVU factor based on data for the prior three months, ending the last day of December, March, June and September, respectively. The revised PVU factor will apply prospectively and serve as the basis for billing until superseded by a new PVU.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.1 Undertaking of the Company (Cont'd)**

##### **2.1.13 Identification and Rating of VoIP-PSTN Traffic (Cont'd)**

###### **(F) PVU Factor Verification**

Not more than four times in any year, the Telephone Company may ask the customer to verify the PVU factor furnished to the Telephone Company. The party so requested shall comply, and shall reasonably provide the records and other information used to determine the PVU factors.

The customer-provided PVU and supporting documentation for the factor shall be based on information that is verifiable by the Telephone Company, including but not limited to the number of the customer's retail VoIP subscriptions in the state (*e.g.* as reported on FCC Form 477), traffic studies, actual call detail or other relevant and verifiable information.

#### **2.2 Term and Charge of Service**

The minimum period for which services are provided and for which rates and charges are applicable is one (1) month unless otherwise specified in this Tariff or by mutually agreed upon contract. When a service is discontinued prior to the expiration of the minimum period, charges are applicable, whether the service is used or not.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.3 Obligations of the Customer**

##### **2.3.1 Payment of Charges**

The Customer shall be responsible for payment of all applicable charges pursuant to this Tariff.

When mixed interstate and intrastate Switched Access Service is provided, all charges (i.e. non-recurring, monthly and/or usage) including optional features and functions charges, will be prorated between interstate and intrastate. The percentage determined as set forth in Sections 2.3.9 or 2.3.10 following will serve as the basis for prorating the charges unless the Company is billing by jurisdiction according to actual measured usage. The percentage of an access service to be charged as Interstate is applied in the following manner:

- A. For monthly and non-recurring chargeable rate elements, multiply the percent Interstate use times the quantity of chargeable elements times the stated Tariff rate.
- B. For usage sensitive (i.e. access minutes and calls) chargeable rate elements, multiply the percent Interstate use times actual use (i.e. measured) times the stated Tariff rate.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.3 Obligations of the Customer (Cont'd)**

##### **2.3.2 Damages**

The Customer shall be responsible for any damage to or loss of the Company's facilities or equipment caused by the acts or omissions of the Customer.

##### **2.3.3 Equipment Space and Power**

The Customer shall provide, as specified from time to time by the Company, any personnel, equipment, space, power, heating and air conditioning needed to operate, and maintain a proper operating environment for, Company facilities and equipment installed on the Customer's premise.

##### **2.3.4 Rights-of-way**

The Customer shall at the option of the Company obtain, maintain, and otherwise have full responsibility for all rights-of-way and conduit necessary for installation of Company facilities from the building entrance or property line to the location of Company's equipment space on the Customer's premise. Any costs associated with obtaining and maintaining the rights-of-ways described herein, including any building modification costs, shall be borne entirely by the Customer. Customer shall also be responsible for complying with all applicable laws, and obtaining all required permits or other approvals related to the location and installation of Company facilities and equipment in the Customer's premise or within the rights-of-way for which the Customer is responsible.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.3 Obligations of the Customer (Cont'd)**

##### **2.3.5 Availability for Installing, Maintaining, and Removing**

The Customer shall grant or obtain permission for Company employees or agents to enter the premise of the Customer at any time for the purpose of installing, inspecting, maintaining, repairing, or removing the facilities or equipment of the Company and/or inspecting Customer-provided equipment which is connected to Company's facilities.

##### **2.3.6 Customer-Provided Equipment**

The Customer shall be responsible for the provision, operation and maintenance of any Customer-Provided Equipment (CPE) which is connected to Company's equipment and/or facilities, and for ensuring that such CPE is compatible with Company equipment and facilities. The magnitude and character of the voltages and currents impressed on Company equipment, facilities and wiring by such CPE shall be such as not to cause damage to Company's equipment, facilities and wiring or injury to Company's employees or to other persons. Upon Company request, Customer will submit to Company a complete manufacturer's specification sheet for each item of CPE that is or is proposed to be attached to Company's facilities. Company may provide, at the Customer's expense, any additional protective equipment required, in the sole opinion of the Company, to prevent damage or injury resulting from the connection of any CPE.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.3 Obligations of the Company (Cont'd)**

##### **2.3.7 Coordination with Respect to Network Contingencies**

The Customer shall cooperate with the Company to plan, coordinate and undertake any actions required to maintain maximum network capability following natural or manmade disasters which affect telecommunications services.

##### **2.3.8 Indemnification of the Company by the Customer and the End User**

With respect to any service or facility provided by the Company, the Customer and the End User shall indemnify, defend and hold harmless the Company from and against all claims, actions, damages, liabilities, costs and expenses, for:

- A. death or injury of any person caused by or resulting from any loss, destruction or damage to property of the Customer or any third party;
- B. death or injury of any person caused by the negligent or intentional act or omission of the Customer, its employees, agents, representatives or invites; and
- C. any claim, loss, damage, expense or liability for infringement of any copyright, patent, trade secret, or any proprietary or intellectual property right of any third party, arising from any act or omission by the Customer, including without limitation, use of the Company's services and facilities in a manner not contemplated by this Tariff or any agreement between Customer and Company.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.3 Obligations of the Customer (Cont'd)**

##### **2.3.9 Jurisdictional Report - Switched Access**

The Customer must indicate a Percent of InterstateUse (PSU) factor in a whole number (i.e. a number 0 - 100) when ordering Switched Access Service. A Customer provided PSU factor is required on each Access Service Request.

Where jurisdiction can be determined from the call detail, the Company will develop a projected PSU factor from the call detail which will be used to bill the Customer. Where call detail is insufficient to determine the jurisdiction, the Customer will provide a Jurisdictional Report indicating the projected PSU factor in whole number. The Company will use the Jurisdictional Report to bill all Interstate usage and Interstaterates and/or nonrecurring charges until the Company receives a revised report from the Customer. The following regulations govern such estimates, their reporting by the Customer and cases where the Company will develop jurisdictional percentages.

##### **A. General**

Except where Company measured access is used as set forth following, the Customer shall update its PSU as set forth in paragraphs B. or C. following and such report will be used for billing purposes until the Customer reports a different projected Interstatepercentage. The revised report will serve as the basis for future billing and will be effective on the next bill date. No prorating or back billing will be done based on the report.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.3 Obligations of the Customer (Cont'd)**

##### **2.3.9 Jurisdictional Report - Switched Access (Cont'd)**

###### **A. General (Cont'd)**

Effective on the first of January, April, July and October of each year the Customer shall update the Interstate jurisdictional report. The Customer shall forward to the Company, to be received no later than fifteen (15) days after the first of each such month, a revised report showing the interstate and percentage of use for the past three (3) months ending the last day of December, March, June and September, respectively, for each service arranged for Interstate use.

Except where the Company is billing by jurisdiction according to actual measured usage, the revised report will serve as the basis for the next three (3) months billing and will be effective on the bill date for that service. No prorating or back billing will be done based on the report.

If the Customer does not supply the reports, the Company will assume the percentages to be the same as those provided in the last quarterly report. For those cases in which a quarterly report has never been received from the Customer, the Company will assume the percentages to be the same as those provided in the order for service.

The percentages described in paragraphs B. through D. following are applied to Carrier Common Line, Information Surcharge, Local Switching, Tandem Switched Transport and Transport Interconnection Charge (TIC). Separate PSUs are required for flat rated Entrance Facilities, Direct Trunked Transport and Multiplexers charges.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833



## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.3 Obligations of the Customer (Cont'd)**

##### **2.3.9 Jurisdictional Report-Switched Access (Cont'd)**

###### **B. Feature Group D**

When a Customer orders Feature Group D Switched Access Service(s) the Customer may provide the projected Percent Interstate Usage (PSU) for each end office in its order. The Company, where the jurisdiction can not be determined from the call detail, will determine the projected PSU as follows:

1. For originating access minutes, the projected Interstate percentages will be developed on a monthly basis by end office where the Feature Group D Switched Access Service access minutes are measured by dividing the measured Interstate originating access minutes respectively by the total originating access minutes, when the call detail is adequate to determine the appropriate jurisdiction.
2. For terminating access minutes, the data used by the Company to develop the projected Interstate percentages for originating access minutes will be used to develop the projected usage percentages for such terminating access minutes.
3. When the Customer has both interstate and intrastate Operator Services traffic, the PSU determined for the Customer's FGD service will be applied to the Customer's Operator Services charges.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.3 Obligations of the Customer (Cont'd)**

##### **2.3.9 Jurisdictional Report-Switched Access (Cont'd)**

###### **C. Directory Assistance Service**

When a Customer orders Directory Assistance Service, the Customer shall in its order, provide the PSU for terminating use in a whole number (a number of 0 through 100) for each Directory Access Service group ordered. (A method the Customer may wish to adopt could be to use its terminating traffic from its premise to the involved Directory Assistance Location and calculate the PSU as set forth in paragraph B. preceding.)

###### **D. All Other Type of Access Service**

The Customer must provide the Company with a projected PSU for all other type of access including 500, 700, 800, 888, 900, etc.

##### **2.3.10 Determination of Jurisdiction of Mixed Use Special Access Service**

When an ASR is submitted for interstate and Intrastate Special Access Service, the Customer will provide to the Company an estimate of whether the Interstate traffic will comprise more than ten (10) percent or less than ten (10) percent of total traffic:

- A. If the Customer estimates that the Interstate traffic on the service involved constitutes less than ten (10) percent of the Customer's total traffic on that service, the service will be provided in accordance with the applicable rules and regulations of the Company's Interstate Access Tariff.
- B. If the Customer estimates that the Interstate traffic on the service involved constitutes ten (10) percent or more of the Customer's total traffic on that service, the service will be provided in accordance with the applicable rules and regulations of this Tariff.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.3 Obligations of the Customer (Cont'd)**

##### **2.3.11 Jurisdictional Reports Verification**

- A. For Switched Access Service, if a billing dispute arises concerning the PSU, the Company will ask the Customer to provide the data the Customer uses to determine the PSU. The Customer will supply the data within thirty (30) days of the Company request.
- B. The Customer shall keep records of call detail from which the PSU can be ascertained and, upon request of the Company, shall make the records available for inspection as reasonably necessary for purposes of verification of the percentages. The Company reserves the right to conduct an audit at any time during the year.
- C. For Special Access Service, if a billing dispute arises or a regulatory commission questions the projected PSU factor, the Company will ask the Customer to provide that data the Customer used to determine the PSU. The Customer shall supply the data within thirty (30) days of the Company request. The Customer shall keep records of system design and functions from which the percentage was determined, and, upon request of the Company, shall make the records available for inspection as reasonably necessary for purposes of verifications of percentages.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.3 Obligations of the Customer (Cont'd)**

##### **2.3.12 Payment of Service Charges Imposed by Another Entity**

The Customer shall be responsible for the payment of service charges imposed on the Company by another entity, for visits to the Customer premise when the service difficulty or trouble report results from the use of equipment or facilities provided by any party other than the Company, including but not limited to the Customer.

##### **2.3.13 Ordering Where More than One Company is Involved**

The Company, at its option, can require a Customer to order access services that require the provisioning by more than one (1) Exchange Carrier, to directly request such provisioning directly from each Exchange Carrier.

##### **2.3.14 Rating and Billing of Access Services Where More than One Company is Involved**

All charges for services provided by each Company are billed under each Exchange Carrier's applicable Tariffs. Under a Meet Point Billing Arrangement, the Company will bill for charges for traffic carried between the Company Tandem and the End User.

- A. Each Company will provide its portion of access service based on the regulations, rates and charges contained in its respective Access Service Tariff.
- B. The application of non-distance sensitive rate elements varies according to the rate structure and the location of the facilities involved.
- C. When rates and charges are listed on a per minute basis, the Company's rates and charges will apply to traffic originating from the Customer's premise and terminating at the End User's premise, and vice versa.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.4 Prohibited Use**

The Customer shall not use or allow the use of Company facilities or equipment installed at the Customer's premise for any purpose other than for which the Company provides it, without the prior written consent of the Company

- A. The services the Company offers shall not be used for any unlawful purpose or for any use as to which the Customer has not obtained all required governmental approvals, authorizations, licenses, consents and permits, or used in an abusive manner. Abusive use includes:
  - 1. The use of the service of the Company for a call or calls, anonymous or otherwise, in a manner reasonably expected to frighten, abuse, torment, or harass another;
  - 2. The use of the service in such a manner as to interfere unreasonably with the use of the service by one (1) or more other Customers.
- B. The Company may require applicants for service who intend to use the Company's offerings for resale and/or shared use to file a letter with the Company confirming that their use of the Company's offerings complies with relevant laws and commission regulations, policies, orders, and decisions.
- C. The Company may require a Customer to immediately shut down its transmission of signals if said transmission is causing interference to others.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.5 Interconnection**

Service furnished by the Company may be interconnected with services or facilities of other authorized communications common carriers and with private systems, if authorized by the Company and subject to technical limitations established by the Company. Service furnished by such interconnection is not part of a joint undertaking with such other common carriers or systems. The Company does not undertake to provide any special facilities, equipment, or services to enable the Customer to interconnect the facilities or the equipment of the Company with services or facilities of other common carriers or with private systems.

#### **2.6 Inspection, Testing and Adjustment**

The Company may, upon reasonable notice, make such tests and inspections as may be necessary to determine whether the terms and conditions of this Tariff are being complied with in the installation, operation or maintenance of the Customer's or the Company's facilities or equipment. The Company may interrupt service at any time, without penalty or liability, due to the departure from or reasonable suspicion of the noncompliance of the Customer.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.7 Payment Arrangements and Credit Allowances**

##### **2.7.1 Payment of Rates, Charges, and Deposits**

###### **A. Responsibility for Charges**

Charges for installations, service connections, moves, rearrangements, and prepaid services, where applicable, are payable upon demand to the Company or its authorized agent. Billing thereafter will include recurring charges and actual usage as defined in this Tariff.

The Company shall bill on a current basis all charges incurred by and credits due to the Customer under this Tariff attributable to services established or disconnected during the preceding billing period. In addition, the Company shall bill in advance charges for all non-usage based services to be provided during the ensuing billing period. All usage based service will be billed in arrears.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****2. GENERAL REGULATIONS (Cont'd)****2.7 Payment Arrangements and Credit Allowances (Cont'd)****2.7.1 Payment of Rates, Charges, and Deposits (Cont'd)****B. Payment for Service**

The Customer is responsible for payment of all charges incurred by the Customer or other users for services and facilities furnished to the Customer by the Company. All such payments are due within thirty (30) days after the invoice date. Any objections to billed charges must be reported to the Company or its billing agent within ninety (90) days (commencing five (5) days after remittance of the bill). A late payment fee of 1 ½ percent applies to each customer's bill when any undisputed portion of a previous month's bill has not been paid in full prior to subsequent billing date. The 1-½ percent charge is applied to the total unpaid amount carried forward and is included in the total amount due on the subscriber's current bill. In the event a collection process is instituted by the Company to collect monies owed the Company for the provision of telecommunications service, the subscriber shall pay the Company for all attorney's fees and collections costs incurred by the Company.

**C. Deposits**

The Company reserves the right to examine the credit record of the Customer. If the Customer's financial condition is unknown or unacceptable to the Company, the Customer may be required to provide the Company with a security deposit which the Company may apply against overdue charges. The following regulations apply:

1. The amount of the deposit shall not exceed the actual or estimated rates and charges for the service for a two (2) month period.
2. The deposit in no way relieves the Customer from complying with the Company's regulations as to the prompt payment of bills at presentation.
3. At any time, at its option, the Company may return the deposit or credit it to the Customer's account.
4. When the service to the Customer is terminated, the amount of deposit will be credited to the Customer's account and any credit balance refunded.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833



## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.7 Payment Arrangements & Credit Allowances (Cont'd)**

##### **2.7.1 Payments of Rates, Charges, & Deposits (Cont'd)**

###### **D. Taxes and Fees**

The Company reserves the right to bill any and all applicable taxes and fees in addition to normal rates and charges for services provided to the Customer. Taxes and fees include, but are not limited to: Federal Excise Tax, State Sales Tax, Municipal Tax, and Gross Receipts Tax. Such taxes and fees are in addition to rates as quoted in this Tariff and will be itemized separately on Customer invoices.

##### **2.7.2 Credit Allowance for Service Interruption**

- A. An interruption period begins when the Customer reports a circuit, service or facility to be interrupted and releases it for testing and repair. An interruption period ends when the circuit, service or facility is operative. If the Customer reports an interruption but declines to release the circuit, service or facility for testing and repair, the circuit, service or facility will be considered impaired but not interrupted.
- B. A credit allowance is applied on a pro rata basis, dependent on the duration of the interruption, against the monthly recurring charges payable by Customer under this Tariff, and shall be expressly indicated on the next Customer bill. Only those facilities on an interrupted portion of a circuit, service or facility will receive a credit.
- C. For the calculation of credit allowance, every month is considered to have thirty (30) days.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****2. GENERAL REGULATIONS (Cont'd)****2.7 Payment Arrangements and Credit Allowances (Cont'd)****2.7.3 Interest on Customer Overpayments**

A Customer who makes a payment to the Company in excess of the correct charge for service, which overpayment was caused by erroneous billing by the Company, shall be paid interest on the amount of the overpayment. The rate of interest on such amount shall be the greater of the unadjusted Customer deposit rate or the applicable late payment rate. The interest shall be paid from the date when the Customer overpayment was made, adjusted for any changes in the deposit or late payment charge rates and compounded monthly until the date when the overpayment is refunded within thirty (30) days after such overpayment is received by the Company.

**2.8 Cancellation of Service or Application for Service****A. Cancellation of Service**

The Customer may have service discontinued upon written notice to the Company. The Company shall hold the Customer responsible for payment of all bills for service furnished until the cancellation date specified by the Customer or until the date that the written cancellation notice is received, whichever is later. If Customer cancels a service order or terminates service before the completion of the term of service specified in the service order for any reasons, Customer agrees to pay to Company all costs, fees and expenses reasonably incurred in connection with special construction and with the term of service. In addition, Customer may be liable for termination charges up to a maximum amount equal to the total of charges applicable for the remaining term specified in the service order (discounted to present value).

**B. Cancellation of Application of Service**

Applications for service are non-cancelable unless the Company otherwise agrees. Where, prior to cancellation by the Customer, the Company incurs any expenses in installing the service or in preparing to install the service that it otherwise would not have incurred, a charge equal to the costs the Company incurred, less net salvage, shall apply, but in no case shall this charge exceed the sum of the charge for the minimum period of services ordered, including installation charges, and all charges others levy against the Company that would have been chargeable to the Customer had service begun. These charges will be calculated and applied on a case by case basis.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.9 Refusal or Discontinuance by the Company**

Service continues to be provided until canceled by the Customer, in writing, or until discontinued by the Company as set forth below. The Company reserves the right to discontinue service when necessitated by conditions beyond its control, or when the Customer is using the service in violation of the provisions of this Tariff, or in violation of the law without incurring any liability. The Company may render bills subsequent to the termination of service for charges incurred before termination.

The Company reserves the right to discontinue service, limit service, or to impose requirements on Customers as required to meet changing regulatory or statutory rules and standards, or when such rules and standards have adverse material affect on the business or economic feasibility of providing service, as determined by the Company in its reasonable judgment without incurring any liability.

In addition, the Company may discontinue service without incurring any liability:

2.9.1 For Nonpayment: The Company, by written notice to the Customer and in accordance with applicable law may discontinue service or cancel an application for service without incurring any liability when there is an unpaid balance for service that is more than thirty (30) days overdue.

2.9.2 For Lack of Use: The Company, by written notice to the Customer, may discontinue service in the same manner as provided for nonpayment of overdue charges if after sixty (60) days the service has not been used.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.9 Refusal or Discontinuance by the Company (Cont'd)**

2.9.3 For any violation of law or any of the provisions governing the furnishing of service under this Tariff: The Customer shall be subject to discontinuance of service, without notice, for any violation of any law, rule, regulation or policy of any government authority having jurisdiction over service, or by reason of any order or decision of a court or other government authority having jurisdiction which prohibits the Company from furnishing such service.

2.9.4 For the Company to comply with any order or request of any governmental authority having jurisdiction: The Customer shall be subject to discontinuance of service, without notice, for the Company to comply with any order or request of any governmental authority having jurisdiction.

When Access Service is provided by more than one (1) Company, the companies involved in providing the joint service may individually or collectively deny service to a Customer for nonpayment. Where the Company(s) affected by the nonpayment is incapable of effecting discontinuance of service without cooperation from the other joint providers of Switched Access Service, such other Company(s) will, if technically feasible, assist in denying the joint service to the Customer. Service denial for such joint service will only include calls originating or terminating within, or transiting, the operating territory of the Companies initiating the service denial for nonpayment.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.10 Restoration of Service**

If service has been discontinued for nonpayment or as otherwise provided herein and the Customer wishes it continued, service shall, at the Company's discretion, be restored when all past due amounts are paid or the event giving rise to the discontinuance (if other than nonpayment) is corrected.

If a service is disconnected by the Company in accordance with Section 2.9 preceding and later restored, restoration of service will be subject to all applicable installation charges.

#### **2.11 Changes in Equipment and Services**

Upon receipt of a written request from Customer, Company will add, delete or change locations or features of specific circuits and/or equipment. Customer shall be liable for non-recurring charges for such change. If a request for deletion of a service represents a cancellation prior to the applicable term of service, Customer will be subject to Company's termination charges.

#### **2.12 Use of Recording Devices**

Customer and Authorized Users who use recording devices do so at their own risk. A Customer or Authorized User may only use a recording device if the Customer or Authorized User complies with the requirements of this section and only if the Customer or Authorized User is able to connect or disconnect the recording device, or turn the recording device on or off, at will.

- A. A Customer or Authorized User may record a conversation if the Customer or Authorized User obtains written or verbal consent to the recording of all parties to the conversation prior to or at the beginning of the conversation.
- B. A distinctive recorder tone must be repeated at intervals of approximately fifteen (15) seconds to alert all parties to the conversation that a recording device is being used.
- C. The requirements of paragraphs A. and B. are waived for Broadcast licensees who use a recording device to record a conversation for broadcast if all parties to the conversation are aware that the conversation will be broadcast.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.13 Assignment**

- A. Company may, without obtaining any further consent from Customer, assign any of its rights, privileges or obligations under this Tariff to any subsidiary, parent company or affiliate of Company; pursuant to any sale or transfer of substantially all the business of Company; or pursuant to any financing, merger, merger or reorganization of Company.
- B. Customer may, upon prior written consent of Company, which consent shall not be unreasonably withheld, assign its rights, privileges or obligations under this Tariff to any subsidiary, parent Company or affiliate of Customer; pursuant to any sale or transfer of substantially all the business of Customer; or pursuant to any financing, merger or reorganization of Customer. Any attempt of Customer to privileges or obligations under this Tariff without the consent of Company shall be null and void.

#### **2.14 License, Agency or Partnership**

No license, express or implied, is granted by Company to Customer by virtue of an agreement for the furnishing of service hereunder. Neither Customer nor any joint or Authorized Users shall represent or otherwise indicate to its customers or others that the Company jointly participates in the Customer's or joint user's services. The relationship between Company and Customer shall not be that of partners or agents for one or the other, and shall not be deemed to constitute a partnership or agency agreement, unless such relationship or agreement is expressly agreed to in writing by both Company and Customer.

#### **2.15 Proprietary Information**

Neither Company nor Customer or any joint or authorized user shall disclose any plans, drawings, trade secrets or other proprietary information of the other party.

#### **2.16 Company's Right to Assign, Designate, or Change Telephone Number**

The Company reserves the reasonable right to assign, designate, or change telephone numbers, any other call number designation associated with Access Services, or the Company serving central office prefixes associated with such numbers, when necessary in conduct of its business.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.17. Definitions**

Certain terms used herein are defined as follows:

##### 800 Series Service

800 Series Service is a generic term for access services associated with toll free numbers, which include 800, 888, 877, 866, 855, 844, 833 and 822.

##### 800 Series Data Base Access Service

800 Series Data Base Access Service is a generic term for data base access services associated with toll free numbers, which include 800, 888, 877, 866, 855, 844, 833 and 822.

##### Access Code

The term "Access Code", with the exception of Feature Group B (FGB) with an Abbreviated Dial Arrangement (ADA), denotes a uniform access code assigned by a Telephone Company to an individual Customer in the form of 10XXX or 101XXX X and 950-XXXX.

##### Access Minutes

For the purpose of calculating chargeable usage, the term "Access Minutes" denotes Customer usage of exchange facilities in the provision of Interstate or foreign service. On the originating end of an Interstate or foreign call, usage is measured from the time the originating end user's call is delivered by the Company to and acknowledged as received by the Customer's facilities connected with the originating exchange. On the terminating end of an Interstate or foreign call, usage is measured from the time the call is received by the end user in the terminating exchange. Timing of usage at both originating and terminating ends of an Interstate or foreign call shall terminate when the calling or called party disconnects, whichever event is recognized first in the originating and terminating exchanges, as applicable.

##### Access Tandem

The term "Access Tandem" denotes a Telephone Company or centralized equal access provider switching system that provides a concentration and distribution function for originating or terminating traffic between end offices and a Customer designated premise.

##### Aggregator

The term "Aggregator" denotes any entity that, in the ordinary course of its operations, makes telephones available to the public or to transient users of its premises, for Interstate telephone calls using a provider of operator services.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.17. Definitions (Cont'd)**

##### **Answer/Disconnect Supervision**

The term "Answer/Disconnect Supervision" denotes the transmission of the switch trunk equipment supervisory signal (off-hook or on-hook) to the Customer's point of termination as an indication that the called party has answered or disconnected.

##### **Attenuation Distortion**

The term "Attenuation Distortion" denotes the difference in loss at specified frequencies relative to the loss at 1004 Hz, unless otherwise specified.

##### **Balance (100 Type) Test Line**

The term "Balance (100 Type) Test Line" denotes an arrangement in an end office which provides for balance and noise testing.

##### **Bit**

The term "Bit" denotes the smallest unit of information in the binary system of notation.

##### **Business Day**

The term "Business Day" denotes the times of day that a company is open for business. Generally, in the business community, these are 8:00 or 9:00 a.m. to 5:00 or 6:00 p.m., respectively, with an hour for lunch, Monday through Friday, resulting in a standard forty (40) hour work week. However, Business Day hours for the Company may vary based on company policy, union contract and location. To determine such hours for an individual company, or company location, that company should be contacted at the address shown under the Issuing Carrier's name listed on the Title Pages of this Tariff.



## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.17. Definitions (Cont'd)**

##### **Busy Hour Minutes of Capacity (BHMC)**

The term "Busy Hour Minutes of Capacity (BHMC)" denotes the Customer specified maximum amount of Switched Access Service and/or Directory Assistance Service access minutes the Customer expects to be handled in an end office switch during any hour in an 8:00 a.m. to 11:00 p.m. period for the Feature Group and/or Directory Assistance Service ordered. This Customer specified BHMC quantity is the input data the Company uses to determine the number of transmission paths for the Feature Group and/or Directory Assistance Service ordered.

##### **Call**

The term "Call" denotes a customer attempt for which complete address information (e.g., 0-, 911, or 10 digits) is provided to the serving dial tone office.

##### **Carrier or Common Carrier**

See Interexchange Carrier.

##### **CCS**

The term "CCS" denotes a hundred call seconds, which is a standard unit of traffic load that is equal to 100 seconds of usage or capacity of a group of servers (e.g., trunks).

##### **Central Office**

See End Office.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.17. Definitions (Cont'd)**

##### **Central Office Maintenance Technician**

The term "Central Office Maintenance Technician" denotes a Company employee who performs installation and/or repair work, including testing and trouble isolation, within the Company Central Office.

##### **Central Office Prefix**

The term "Central Office Prefix" denotes the first three (3) digits (NXX) of the seven (7) digit telephone number assigned to an end user's Telephone Exchange Service when dialed on a local basis.

##### **Channel(s)**

The term "Channel(s)" denotes an electrical or photonic, in the case of fiber optic-based transmission systems, communications path between two (2) or more points of termination.

##### **Channel Service Unit**

The term "Channel Service Unit" denotes equipment which performs one (1) or more of the following functions: termination of a digital facility, regeneration of digital signals, detection and/or correction of signal format error, and remote loop back.

##### **Channelize**

The term "Channelize" denotes the process of multiplexing- demultiplexing wider bandwidth or higher speed channels into narrower band-width or lower speed channels.

##### **Clear Channel Capability**

The term "Clear Channel Capability" denotes the ability to transport twenty-four (24) 64 Kbps over a DS1 Mbps High Capacity service via a B8ZS line code format.

##### **C-Message Noise**

The term "C-Message Noise" denotes the frequency weighted average noise within an idle voice channel. The frequency weighting, called C-message, is used to simulate the frequency characteristic of the 500-type telephone set and the hearing of the average subscriber.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.17. Definitions (Cont'd)**

##### **C-Notched Noise**

The term "C-Notched Noise" denotes the C-message frequency weighted noise on a voice channel with a holding tone, which is removed at the measuring end through a notch (very narrow band) filter.

##### **Coin Station**

See Pay Telephone.

##### **Committed Information Rate**

The term "Committed Information Rate" denotes the transmission speed specified by the Customer at which the Frame Relay Access Service network commits to transfer data between two (2) ports.

##### **Common Line**

The term "Common Line" denotes a line, trunk, pay telephone line or other facility provided under the general and/or local exchange service Tariffs of the Company, terminated on a central office switch. A common line-residence is a line or trunk provided under the residence regulations of the General and/or Local Exchange Service Tariffs. A common line-business is a line provided under the business regulations of the General and/or Local Exchange Service Tariffs.

##### **Common Channel Signaling**

The term "Common Channel Signaling" (CCS) denotes a high speed packet switched communications network which is separate (out of band) from the public packet switched and message networks. Its purpose is to carry addressed signaling messages for individual trunk circuits and/or database related services between signaling points in the CCS network.

##### **Communications System**

The term "Communications System" denotes channels and other facilities which are capable of communications between terminal equipment provided by other than the Company.

##### **Customer(s)**

The term "Customer(s)" denotes any individual, partnership, association, joint-stock company, trust, corporation, or governmental entity or other entity which subscribe to the services offered under this Tariff, including both Interexchange Carriers (ICs) and End Users.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.17. Definitions (Cont'd)**

##### Customer Designated Premise

The term "Customer Designated Premise" denotes the premise specified by the Customer for the provision of Access Service.

##### Data Transmission (107 Type) Test Line

The term "Data Transmission (107 Type) Test Line" denotes an arrangement which provides for a connection to a signal source which provides test signals for one (1) way testing of data and voice transmission parameters.

##### Decibel

The term "Decibel" denotes a unit used to express relative difference in power, usually between acoustic or electric signals, equal to ten (10) times the common logarithm of the ratio of two (2) signal powers.

##### Decibel Reference Noise C-Message Weighting

The term "Decibel Reference Noise C-Message Weighting" denotes noise power measurements with C-Message Weighting in decibels relative to a reference 1000 Hz tone of 90 dB below 1 milliwatt.

##### Decibel Reference Noise C-Message Referenced to O

The term "Decibel Reference Noise C-Message Referenced to O" denotes noise power in "Decibel Reference Noise C-Message Weighting" referred to or measured at a zero (0) transmission level point.

##### Detail Billing

The term "Detail Billing" denotes the listing of each message and/or rate element for which charges to a Customer are due on a bill prepared by the Company.

##### Digital Switched 56 Service

A switched access optional feature available with Feature Group D Access, which provides for data transmission at up to 56 Kilobits per second.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.17. Definitions (Cont'd)**

##### **Direct-Trunked Transport**

The term "Direct-Trunked Transport" denotes transport from the serving wire center to the end office or from the serving wire center to the access tandem on circuits dedicated to the use of a single Customer.

##### **Directory Assistance (Intrastate)**

The term "Directory Assistance" denotes the provision of telephone numbers by an operator when the operator location is accessed by a Customer's end user dialing NPA + 555-1212 or 555-1212.

##### **Directory Assistance Location (Intrastate)**

The term "Directory Assistance Location" denotes a Telephone Company office where Telephone Company equipment first receives the Directory Assistance call from the Customer's end user and selects the first operator position to respond to the Directory Assistance call.

##### **Dual Tone Multifrequency Address Signaling**

The term "Dual Tone Multifrequency Address Signaling" denotes a type of signaling that is an optional feature of Switched Access Feature Group A. It may be utilized when Feature Group A is being used in the terminating direction (from the point of termination with the customer to the local exchange end office). An office arranged for Dual Tone Multifrequency Signaling would expect to receive address signals from the customer in the form of Dual Tone Multifrequency signals.

##### **Echo Control**

The term "Echo Control" denotes the control of reflected signals in a telephone transmission path.

##### **Echo Path Loss**

The term "Echo Path Loss" denotes the measure of reflected signal at a four (4) wire point of interface without regard to the send and receive Transmission Level Point.

##### **Echo Return Loss**

The term "Echo Return Loss" denotes a frequency weighted measure of return loss over the middle of the voiceband (approximately 500 to 2500 Hz), where talker echo is most annoying.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.17. Definitions (Cont'd)**

##### **Effective Two (2) Wire**

The term "Effective Two (2) Wire" denotes a condition which permits the simultaneous transmission in both directions over a channel, but it is not possible to insure independent information transmission in both directions. Effective two (2) wire channels may be terminated with two (2) wire or four (4) wire interfaces.

##### **Effective Four (4) Wire**

The term "Effective Four (4) Wire" denotes a condition which permits the simultaneous independent transmission of information in both directions over a channel. The method of implementing effective four (4) wire transmission is at the discretion of the Company (physical, time domain, frequency-domain separation or echo cancellation techniques). Effective four (4) wire channels may be terminated with a two (2) wire interface at the Customer's premise. However, when terminated two (2) wire, simultaneous independent transmission cannot be supported because the two (2) wire interface combines the transmission paths into a single path.

##### **End Office**

The term "End Office" denotes a local Company switching system where Telephone Exchange Service Customer station loops are terminated for purposes of interconnection to each other and to trunks. This term includes Remote Switching Modules/Systems served by a Host Central Office in a different wire center.

##### **End User**

The term "End User" means any Customer of an Interstate or foreign telecommunications service that is not a Carrier, except that a Carrier other than a Telephone Company shall be deemed to be an "end user" when such Carrier uses a telecommunications service for administrative purposes, and a person or entity that offers telecommunications service exclusively as a reseller shall be deemed to be an "end user" if all resale transmissions offered by such reseller originate on the premise of such reseller.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

## INTERSTATE DOMESTIC ACCESS SERVICES

### 2. GENERAL REGULATIONS (Cont'd)

#### 2.17. Definitions (Cont'd)

##### Enhanced Service

The term "Enhanced Service", as defined in Part 64 of the FCC's Rules and Regulations, are services "...offered over common carrier transmission facilities used in Interstate communications, which employ computer processing applications that act on the format, content, code, protocol or similar aspects of the subscriber transmitted information; provide the subscriber additional, different, or restructured information; or involve subscriber interaction with stored information."

##### Entrance Facility

The term "Entrance Facility" denotes a Switched Access Service dedicated local transport facility between the Customer's serving wire center and the Customer designated premise.

##### Entry Switch

See First Point of Switching.

##### Envelope Delay Distortion

The term "Envelope Delay Distortion" denotes a measure of the linearity of the phase versus frequency of a channel.

##### Equal Level Echo Path Loss

The term "Equal Level Echo Path Loss" (ELEPL) denotes the measure of Echo Path Loss (EPL) at a 4-wire interface which is corrected by the difference between the send and receive Transmission Level Point (TLP).  $[ELEPL = EPL - TLP (send) + TLP (receive)]$ .

##### Exchange

The term "Exchange" denotes a unit generally smaller than a Local Access and Transport Area, established by the Company for the administration of communications service in a specified area which usually embraces a city, town or village and its environs. It consists of one (1) or more central offices together with the associated facilities used in furnishing communications service within that area. The exchange includes any Extended Area Service area that is an enlargement of a Telephone Company's exchange area to include nearby exchanges.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.17. Definitions (Cont'd)**

##### Exit Message

The term "Exit Message" denotes an SS7 message sent to an end office by a Telephone Company's tandem switch to mark the Carrier Connect Time when a Telephone Company's tandem switch sends an Initial Address Message to an interexchange customer.

##### Expected Measured Loss

The term "Expected Measured Loss" denotes a calculated loss which specifies the end-to-end 1004-Hz loss on a terminated test connection between two (2) readily accessible manual or remote test points. It is the sum of the inserted connection loss and test access loss including any test pads.

##### Extended Area Service

See Exchange.

##### Extended PVC

The term "Extended PVC" denotes the interconnection of a port on a Telephone Company's frame relay switch with a port on another interconnected Telephone Company's frame relay switch.

##### First Point of Switching

The term "First Point of Switching" denotes the first Telephone Company or centralized equal access provider location at which switching occurs on the terminating path of a call proceeding from the Customer designated premise to the terminating end office and, at the same time, the last Telephone Company or centralized equal access provider location at which switching occurs on the originating path of a call proceeding from the originating end office to the Customer designated premise.

##### Frame

The term "Frame" denotes a group of data bits in a specific format, which enables network equipment to recognize the meaning and purpose of the specific bits.

##### Frame Relay Access Customer Port

The term "Frame Relay Access Customer Port" denotes the physical location in a Telephone Company switching offices where the access Customer's special access facility connects to a Telephone Company's Frame Relay Access Service network. It specifies how a frame relay switch sends and receives data from a frame relay access Customer's network.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833



## INTERSTATE DOMESTIC ACCESS SERVICES

### 2. **GENERAL REGULATIONS** (Cont'd)

#### 2.17. Definitions (Cont'd)

##### Frame Relay Access Service

The term "Frame Relay Access Service" denotes a medium-speed, connection-oriented packet-switched data service that allows for the interconnection of Local Area Networks or other compatible end user Customer premise equipment for the purpose of connecting to an access Customer's Interstate network.

##### Frame Relay End User Port

The term "Frame Relay End User Port" denotes the physical location in a Telephone Company switching office where the special access facility of the Customer connects to the Frame Relay Access Service Network. It receives the data frame from the end user Customer's Local Area Network or other compatible CPE devices and verifies that the end user connection and the corresponding access Customer connection are valid before relaying the frame to the destination end point.

##### Frequency Shift

The term "Frequency Shift" denotes the change in the frequency of a tone as it is transmitted over a channel.

##### Host Central Office

The term "Host Central Office" denotes an electronic local Telephone Company End Office where Telephone Exchange Service Customer station loops are terminated for purposes of interconnection to each other and to trunks. Additionally, this type of End Office contains the central call processing functions which service itself and its Remote Switching Modules/Systems.

##### Hub

A wire center at which bridging or multiplexing functions are performed for Customers served out of any wire center.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.17. Definitions (Cont'd)**

##### **Impedance Balance**

The term "Impedance Balance" denotes the method of expressing Echo Return Loss and Singing Return Loss at a 4-wire interface whereby the gains and/or loss of the 4-wire portion of the transmission path, including the hybrid, are not included in the specification.

##### **Impulse Noise**

The term "Impulse Noise" denotes any momentary occurrence of the noise on a channel over a specified level threshold. It is evaluated by counting the number of occurrences which exceed the threshold.

##### **Individual Case Basis**

The term "Individual Case Basis" denotes a condition in which the regulations, if applicable, rates and charges for an offering under the provisions of this Tariff are developed based on the circumstances in each case.

##### **Initial Address Message**

The term "Initial Address Message" denotes an SS7 message sent in the forward direction to initiate trunk set up, reserve an outgoing trunk and process the information about that trunk along with other data relating to the routing and handling of the call to the next switch.

##### **Inserted Connection Loss**

The term "Inserted Connection Loss" denotes the 1004 Hz power difference (in dB) between the maximum power available at the originating end and the actual power reaching the terminating end through the inserted connection.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.17. Definitions (Cont'd)**

##### **Installation and Repair Technician**

The term "Installation and Repair Technician" denotes a Company employee who performs installation and/or repair work, including testing and trouble isolation, outside of the Company Central Office and generally at the Customer designated premise.

##### **Interexchange Carrier (IC) or Interexchange Common Carrier**

The terms "Interexchange Carrier" (IC) or "Interexchange Common Carrier" denotes any individual, partnership, association, joint-stock company, trust, governmental entity or corporation engaged for hire in Interstate or foreign communication by wire or radio, between two (2) or more exchanges.

##### **Intermediate Hub**

A wire center at which bridging or multiplexing functions are performed only for Customers served by that wire center and wire centers that subtend the hub.

##### **Intermodulation Distortion**

The term "Intermodulation Distortion" denotes a measure of the nonlinearity of a channel. It is measured using four tones, and evaluating the ratios (in dB) of the transmitted composite four-tone signal power to the second-order products of the tones (R2), and the third-order products of the tones (R3).

##### **Intrastate Communications**

The term "Intrastate Communications" denotes any communications within a State subject to oversight by a state regulatory commission as provided by the laws of the State involved.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.17. Definitions (Cont'd)**

##### Legal Holiday

The term "Legal Holiday" denotes days other than Saturday or Sunday for which the Company is normally closed. These include New Year's Day, Independence Day, Thanksgiving Day, Christmas Day and a day when Washington's Birthday, Memorial Day or Columbus Day is legally observed and other locally observed holidays when the Company is closed.

##### Line Side Connection

The term "Line Side Connection" denotes a connection of a transmission path to the line side of a local exchange switching system.

##### Local Access and Transport Area (LATA)

The term "Local Access and Transport Area" denotes a geographic area established for the provision and administration of communications service. It encompasses one (1) or more designated exchanges, which are grouped to serve common social, economic and other purposes.

##### Local Area Network

The term "Local Area Network" denotes a network permitting the interconnection and intercommunication of a group of computers.

##### Loss Deviation

The term "Loss Deviation" denotes the variation of the actual loss from the designed value.

##### Major Fraction Thereof

The term "Major Fraction Thereof" denotes any period of time in excess of one half (1/2) of the stated amount of time. As an example, in considering a period of twenty-four (24) hours, a major fraction thereof would be any period of time in excess of twelve (12) hours exactly. Therefore, if a given service is interrupted for a period of thirty-six (36) hours and fifteen (15) minutes, the Customer would be given a credit allowance for two (2) twenty-four (24) hour periods for a total of forty eight (48) hours.

##### Message

The term "Message" denotes a "call" as defined preceding.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.17. Definitions (Cont'd)**

##### **Milliwatt (102 Type) Test Line**

The term "Milliwatt (102 Type) Test Line" denotes an arrangement in an end office which provides a 1004 Hz tone at 0 dBm0 for one (1) way transmission measurements towards the Customer's premise from the Company end office.

##### **Network Control Signaling**

The term "Network Control Signaling" denotes the transmission of signals used in the telecommunications system which perform functions such as supervision (control, status, and charge signals), address signaling (e.g., dialing), calling and called number identifications, rate of flow, service selection error control and audible tone signals (call progress signals indicating re-order or busy conditions, alerting, coin denominations, coin collect and coin return tones) to control the operation of the telecommunications system.

##### **Nonsynchronous Test Line**

The term "Nonsynchronous Test Line" denotes an arrangement in step- by-step end offices which provides operational tests which are not as complete as those provided by the synchronous test lines, but can be made more rapidly.

##### **North American Numbering Plan**

The term "North American Numbering Plan" denotes a three(3) digit area code (Numbering Plan Area - NPA) and a seven (7) digit telephone number made up of a three (3) digit Central Office prefix plus a four (4) digit station number.

##### **Off-hook**

The term "Off-hook" denotes the active condition of Switched Access or a Telephone Exchange Service line.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.17. Definitions (Cont'd)**

##### **On-hook**

The term "On-hook" denotes the idle condition of Switched Access or a Telephone Exchange Service line.

##### **Open Circuit Test Line**

The term "Open Circuit Test Line" denotes an arrangement in an end office which provides an ac open circuit termination of a trunk or line by means of an inductor of several Henries.

##### **Originating Direction**

The term "Originating Direction" denotes the use of access service for the origination of calls from an End User Premise to an IXC Premise.

##### **Pay Telephone**

The term "Pay Telephone" denotes a coin or coinless instrument provided in a public or semipublic place where Payphone Service Provider Customers can originate telephonic communications and pay the applicable charges by (1) inserting coins into the equipment, or (2) using a credit card, or (3) third party billing the call or (4) calling collect.

##### **Payphone Service Provider**

The term "Payphone Service Provider" denotes any entity that provides pay telephone service, which is the provision of public, semi-public or inmate pay telephone service.

##### **Permanent Virtual Connection (PVC)**

The term "PVC" denotes a software defined communications path between two (2) port connections within the Frame Relay Access Service network.

##### **Point of Termination**

The term "Point of Termination" denotes the point of demarcation within a Customer-designated premise at which the Company's responsibility for the provision of Access Service ends.

##### **Premise**

The term "Premise" denotes a building or buildings on continuous property (except Railroad right-of-way, etc.) not separated by a public highway.

## INTERSTATE DOMESTIC ACCESS SERVICES

### 2. **GENERAL REGULATIONS** (Cont'd)

#### 2.17. Definitions (Cont'd)

##### Release Message

The term "Release Message" denotes an SS7 message sent in either direction to indicate that a specific circuit is being released.

##### Remote Switching Modules/Systems

The term "Remote Switching Modules/Systems" denotes small, remotely controlled electronic end office switches which obtain their call processing capability from an electronic Host Central Office. The Remote Switching Modules/Systems cannot accommodate direct trunks to an IXC.

##### Return Loss

The term "Return Loss" denotes a measure of the similarity between the two (2) impedances at the junction of two (2) transmission paths. The higher the return loss, the higher the similarity.

##### Registered Equipment

The term "Registered Equipment" denotes the Customer's premise equipment which complies with and has been approved within the Registration Provisions of Part 68 of the FCC's Rules and Regulations.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.17. Definitions (Cont'd)**

##### Service Access Code

The term "Service Access Code" (SAC) denotes a three (3) digit code in the NPA format which is used as the first three (3) digits of a ten (10) digit address and which is assigned for special network uses. Whereas NPA codes are normally used for identifying specific geographical areas, certain SAC's have been allocated in the North American Numbering Plan to identify generic services or to provide access capability. Examples of SAC's include the 800 and 900 codes.

##### Service Switching Point (SSP)

A Service Switching Point denotes an end office or tandem which, in addition to having SS7 and SP capabilities, is also equipped to query centralized data bases.

##### Serving Wire Center

The term "Serving Wire Center" denotes the wire center from which the Customer designated premise would normally obtain dial tone from the Company.

##### Seven Digit Manual Test Line

The term "Seven Digit Manual Test Line" denotes an arrangement which allows the Customer to select balance, milliwatt and synchronous test lines by manually dialing a seven (7) digit number over the associated access connection.

##### Short Circuit Test Line

The term "Short Circuit Test Line" denotes an arrangement in an end office which provides for an ac short circuit termination of a trunk or line by means of a capacitor of at least four (4) microfarads.

##### Signal-to-C-Notched Noise Ratio

The term "Signal-to-C-Notched Noise Ratio" denotes the ratio in dB of a test signal to the corresponding C-Notched Noise.

##### Signaling Point (SP)

The term "Signaling Point (SP)" denotes an SS7 network interface element capable of originating and terminating SS7 trunk signaling messages.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833



## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.17. Definitions (Cont'd)**

##### **Signaling Point of Interface (SPOI)**

The term "Signaling Point of Interface (SPOI)" denotes the Customer designated location where the SS7 signaling information is exchanged between the Company and the Customer.

##### **Signaling System 7 (SS7)**

The term "Signaling System 7 (SS7)" denotes the layered protocol used for standardized common channel signaling in the United States and Puerto Rico.

##### **Signal Transfer Point (STP)**

The term "Signal Transfer Point (STP)" denotes a packet switch which provides access to the Company's SS7 network and performs SS7 message signal routing and screening.

##### **Signal Transfer Point (STP) Port**

The term "Signal Transfer Point (STP) Port" denotes the point of termination and interconnection to the STP.

##### **Signaling Return Loss**

The term "Signaling Return Loss" denotes the frequency weighted measure of return loss at the edges of the voiceband (200 to 500 Hz and 2500 to 3200 Hz), where singing (instability) problems are most likely to occur.

##### **Special Order**

The term "Special Order" denotes an order for a Directory Assistance Service.

##### **Standard PVC**

The term "Standard PVC" denotes the interconnection of ports on the same frame relay switch.

##### **Subtending End Office of an Access Tandem**

The term "Subtending End Office of an Access Tandem" denotes an end office that has final trunk group routing through that tandem.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **2. GENERAL REGULATIONS (Cont'd)**

#### **2.17. Definitions (Cont'd)**

##### **Synchronous Test Line**

The term "Synchronous Test Line" denotes an arrangement in an end office which performs marginal operational tests of supervisory and ring-tripping functions.

##### **Tandem Switched Transport**

The term "Tandem Switched Transport" denotes transport from the serving wire center to the end office, or from the tandem to the end office, that is switched at a tandem.

##### **Terminating Direction**

The term "Terminating Direction" denotes the use of Access Service for the completion of calls from an IXC premise to an End User premise.

##### **Terminus Hub**

A wire center at which bridging or multiplexing functions are performed only for Customers served directly by the same wire center.

##### **Throughput**

The term "Throughput" denotes the number of data bits successfully transferred in one (1) direction per unit of time.

##### **Transmission Measuring (105 Type) Test Line/Responder**

The term "Transmission Measuring (105 Type) Test Line/Responder" denotes an arrangement in an end office which provides far-end access to a responder and permits two (2) way loss and noise measurements to be made on trunks from a near end office.

##### **Transmission Path**

The term "Transmission Path" denotes an electrical path capable of transmitting signals within the range of the service offering, e.g., a voice grade transmission path is capable of transmitting voice frequencies within the approximate range of 300 to 3000 Hz. A transmission path is comprised of physical or derived facilities consisting of any form or configuration of plant typically used in the telecommunications industry.

##### **Trunk**

The term "Trunk" denotes a communications path connecting two (2) switching systems in a network, used in the establishment of an end-to-end connection.

**INTERSTATE DOMESTIC ACCESS SERVICES****2. GENERAL REGULATIONS (Cont'd)****2.17. Definitions (Cont'd)****Trunk Group**

The term "Trunk Group" denotes a set of trunks which are traffic engineered as a unit for the establishment of connections between switching systems in which all of the communications paths are interchangeable.

**Trunk Side Connection**

The term "Trunk Side Connection" denotes the connection of a transmission path to the trunk side of a local exchange switching system.

**Two (2) Wire to Four (4) Wire Conversion**

The term "Two (2) Wire to Four (4) Wire Conversion" denotes an arrangement which converts a four (4) wire transmission path to a two (2) wire transmission path to allow a four (4) wire facility to terminate in a two (2) wire entity (e.g., a central office switch).

**V and H Coordinates Method**

The term "V and H Coordinates Method" denotes a method of computing airline miles between two (2) points by utilizing an established formula which is based on the vertical and horizontal coordinates of the two (2) points.

**WATS Serving Office**

The term "WATS Serving Office" denotes a Telephone Company designated serving wire center where switching, screening and/or recording functions are performed in connection with the closed-end of WATS or WATS-type services.

**Wireless Switching Center**

The term "Wireless Switching Center" (WSC) denotes a Wireless Service Provider (WSP) switching system that is used to terminate wireless stations for purposes of interconnection to each other and to trunks interfacing with the public switched network.

**Wire Center**

The term "Wire Center" denotes a building in which one or more central offices, used for the provision of Telephone Exchange Services, are located.

**Zones**

The Company offers interstate domestic access services in locations where there are different incumbent local exchange access providers (ILEAP). For the purposes of this tariff those zones are defined as:

Alabama – Zone 1 = ILEAP is AT&T (f.k.a. BellSouth Telecommunications)

Alabama – Zone 2 = ILEAP is CenturyLink (f.k.a. CenturyTel)

Florida – Zone 1 = ILEAP is AT&T (f.k.a. BellSouth Telecommunications)

Florida – Zone 2 = ILEAP is Verizon Telecommunications

For rates where no zone is specified, the tariffed rate will apply to all customers in that State.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****3. ACCESS ORDERING****3.1 General**

This section sets forth the regulations and order related charges for Access Service Requests (ASR) for Switched and Special Access Services as defined in this Tariff. These charges are in addition to other applicable charges set forth in other sections of this Tariff.

An Access Order is an order to provide the Customer with Switched and Special Access or Access Related Service or to provide changes to existing services.

**3.1.1 Ordering Conditions**

All services offered under this Tariff will be ordered using an ASR. The format and terms of the ASR will be as specified in the Industry Access Service Order Guidelines, unless otherwise specified herein. A Customer may order any number of services of the same type and between the same premises on a single access order. All details for services for a particular order must be identical.

The Customer shall provide all information necessary for the Company to provide and bill for the requested service. When placing an order for Access Service, the Customer shall provide the following minimum information:

- A. Customer name and premise address(es).
- B. Billing name and address (when different from Customer name and address).
- C. Customer contact name(s) and telephone number(s) for the following provisioning activities: order negotiation, order confirmation, interactive design, installation and billing.

The order date is the date on which the Company receives a firm commitment and sufficient information from the Customer to allow processing of the ASR.

**3.1.2 Service Installation**

The Company will provide the Access Service in accordance with the Customer's requested service date, subject to the constraints established by the Company schedule of applicable service dates.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **3. ACCESS ORDERING (Cont'd)**

#### **3.1 General (Cont'd)**

##### **3.1.2 Service Installation (Cont'd)**

The Company shall make available to all Customers, upon request, a schedule of applicable service intervals for Switched and Special Access Services. The schedule shall specify the applicable service intervals for services and the quantities of services that can be provided by a requested service date. Any associated material will be provided upon request and within a reasonable period of time.

The Company at its option, may not accept orders for service dates which exceed the applicable service date by more than six (6) months.

Access Services will be installed during Company business days. If a Customer requests that installation be done outside of scheduled work hours, and the Company agrees to this request, the Customer will be subject to applicable Additional Labor Charges as set forth in Section 10 following. This also applies to non-routine installation and special construction as set forth in Section 2.

##### **3.1.3 Expedited Orders**

When placing an access order, a Customer may request a service date that is prior to the assigned service date. A Customer may also request an earlier service date on a pending or negotiated access order. If the Company agrees to provide the service on an expedited basis, an Expedited Order Charge will apply in addition to the additional labor cost or extraordinary costs that are required to meet the requested service date. The Company will provide the Customer with an estimate of additional cost. Upon the Customer's agreement, the Company will proceed with the requested service date.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **3. ACCESS ORDERING (Cont'd)**

#### **3.1 General (Cont'd)**

##### **3.1.3 Expedited Orders (Cont'd)**

A Customer may request a change of end user premise within the same serving wire center. If the Customer requests an earlier service date, an Expedited Order Charge will apply.

When the request for expediting occurs subsequent to the issuance of the access order, a Service Date Change Charge as set forth in Section 17.4.1(B) following will also apply.

When an expedited service date is missed, the Expedited Order Charge will apply unless the missed service date is caused by the Company

##### **3.1.4 Selection of Facilities for Access Orders**

The option to request a specific transmission path or channel is only provided for High Capacity Facilities Special Access Service, or as provided for under special facilities routing as set forth in Section 8 following.

When there are high capacity facilities to a hub on order or in service for the Customer's use, the Customer may request a specific channel or transmission path be used to provide the Switched or Special Access Service requested in an access order. The Company will make a reasonable effort to accommodate the Customer request.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **3. ACCESS ORDERING (Cont'd)**

#### **3.2 Ordering Requirements**

An ASR is required by the Company to provide a Customer both Switched and Special Access Service, as described herein. An ASR will be required for each new similar service arrangement or group of common circuits.

##### **3.2.1 Switched Access Service**

- A. When a Customer requests new or additional Switched Access Services, one (1) or more access orders may be required. The number of orders required is dependent on the type of services and/or facilities being requested.
- B. When placing an order for service, the Customer shall specify whether the service is to be provided as direct trunked transport or tandem switched transport, as described in Section 5.1.3 following.

**INTERSTATE DOMESTIC ACCESS SERVICES****3. ACCESS ORDERING (Cont'd)****3.2 Ordering Requirements (Cont'd)****3.2.1 Switched Access Service (Cont'd)**

- C. When all or a portion of service is ordered as direct trunked transport, the Customer must specify the type and quantity of direct trunked transport facility (e.g. voice grade or high capacity DS1 or DS3). The Customer must also specify the type of entrance facility to be used for Switched Access Service (e.g. voice grade or high capacity). For high capacity entrance facilities, the Customer must specify the facility assignment and the channel assignment for each trunk.
- D. When the Customer has both tandem switched transport and direct trunked transport at the same end office, the Customer will be provided Alternate Traffic Routing as set forth in Section 5.4.4.
- E. When placing an order for Switched Access Service, the Customer shall provide:
  - 1. The number of trunks desired between Customer designated premise and an entry switch or Operator Transfer Service location;
  - 2. Optional Features
  - 3. A projected PSU as set forth in Section 2.
- F. When ordering by trunk to an access tandem, the Customer must provide the Company with an estimate of the amount of traffic it will generate to and/or from each end office subtending the access tandem to assist the Company in its own efforts to project further facility requirements.
- G. When a customer orders Switched Access Service in trunks, the customer is responsible to assure that sufficient access facilities have been ordered to handle its traffic.

**3.2.2 Operator Transfer Service Optional Feature**

When FGD Switched Access Service is ordered with the Operator Transfer Service optional feature as set forth in Section 5.4.5 following, the Customer must specify the number of trunks desired between its premise and the Company operator services location. Operator Transfer Service is provided where available.



**INTERSTATE DOMESTIC ACCESS SERVICES****3. ACCESS ORDERING (Cont'd)****3.2 Ordering Requirements (Cont'd)****3.2.3 SS7 Optional Feature**

When FGD Switched Access Service is ordered with the SS7 optional feature, the Customer shall specify a reference to existing signaling connections or reference a related SS7 signaling connection order. When ordering SS7 signaling, the Customer shall provide the Signaling Transfer Point (STP) codes, location identifier codes and circuit identifier codes. In addition, the Customer shall work cooperatively with the Company to determine the number of SS7 signaling connections required to handle its signaling traffic.

**3.2.4 800 Data Base Access Service**

For 800 Data Base Access Service, as described in Section 5.4.5 (c) following, the Customer must order FGD to those access tandems or end offices designated as Service Switching Points (SSP) for 800 data base service or to those non-SSP equipped end offices that can accommodate direct trunking of originating 800 calls. All traffic originating from end offices not equipped to provide SS7 signaling and routing or not able to accommodate direct trunking of originating 800 calls require routing via an access tandem where SSP functionality is available.

**3.2.5 Special Access Service**

When placing an order for Special Access Service the Customer must specify:

- A. The Customer designated premise or hubs involved;
  - B. Type of service (e.g. Voice Grade or High Capacity);
  - C. The channel interface(s);
  - D. For multipoint services, the channel interface at each Customer designated premise may, at the request of the Customer, be different but all such interfaces shall be compatible; and
  - E. That the traffic consists of more than ten (10) percent Interstate traffic.
- When ordering bridging and/or multiplexing, the Customer must specify the Company hub(s) from which they desire service. The Customer must specify only those hubs that provide the type of service ordered and interconnect with the wire center(s) from which the Customer requires service.

**3.2.6 Miscellaneous Services**

Testing Service, Maintenance of Service, Telecommunications Service Priority and Additional Labor shall be ordered with an Access Order or may subsequently be added to a pending order at any time up to and including the service date for the Access Service, with the agreement of the Company.

**INTERSTATE DOMESTIC ACCESS SERVICES****3. ACCESS ORDERING (Cont'd)****3.2 Ordering Requirements (Cont'd)****3.2.6 Miscellaneous Services (Cont'd)**

When added subsequently, a service date change maybe required. When a service date change is required, the Service Date Change Charge as set forth in Section 17 following will apply. When miscellaneous services are added to a pending order, a Design Change Charge as set forth in Section 17 will apply if an engineering review is required.

Additional engineering is not an ordering option, but will be applied to an ASR when the Company determines that additional engineering is necessary to accommodate a customer request. Additional engineering will be provided by the Company at the request of the Customer only when a Customer requests technical information included on the Design Layout Report. The Customer will be notified when additional engineering is required, and will be furnished with a written statement setting forth the justification for the additional engineering as well as an estimate of the charges. If the Customer agrees to the additional engineering, a firm order will be established. If the Customer does not want the service or facilities after being notified by the Company that additional engineering is required, the Customer may cancel the order and no charges will apply.

**3.3 Access Orders For Services Provided By More Than One Company**

Access Services provided by more than one Company are services where one end of the local transport or channel mileage element is in the operating territory of one Company and the other end of the element is in the operating territory of a different Company.

The ordering procedure for this service is dependent upon the billing arrangement to be used by the Companies involved in providing the Access Service. The Company will notify the Customer which of the ordering procedures will apply.

Each Company will provide its portion of the Access Service within its operating territory to an interconnection point(s) with the other Companies. Billing Percentages (BP) will be determined in accordance with MECAB guidelines. Each Company will bill the Customer for its portion of the service provided.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES**

**3. ACCESS ORDERING (Cont'd)**

**3.3 Access Orders For Services Provided By More Than One Company (Cont'd)**

For the service(s) ordered as set forth following, the Customer must also supply a copy of the order to the Company in whose operating territory a Customer designated premise is located and any other Company(s) involved in providing the service.

- A. For Feature Group D Switched Access Services, the Customer must place an order with the Company in whose territory the end office is located. Customers may, at their option, order FGD to the access tandem. When ordered to the access tandem, and the access tandem and the end office are not in the same Company operating territory, the Customer must also supply a copy of the order to each additional Company subtending the access tandem.
- B. Customers ordering Special Access Service to be interconnected with Switched Access Services at Company designated WATS Serving Offices for the provision of WATS or WATS-type Services must place an order with each Company in whose territory the end office and the WATS Serving Office are located, if they are not collocated.
- C. Except for Special Access Service as set forth in paragraph (B) above or as set forth in paragraph (D) below, the Customer may place the order for a Special Access Service with either Company.
- D. For Special Access Service involving a hub(s) the Customer must place the order with the Company(s) in whose territory the hub(s) is located.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **3. ACCESS ORDERING (Cont'd)**

#### **3.4 Charges Associated with Access Ordering**

##### **3.4.1 Access Order Charge**

The Access Order Charge is applied to all Customer requests for new Special and Switched Access Service. In addition, the Access Order Charge is applicable to Customer requests for additions, changes or rearrangements to existing Special and Switched Access Service.

A. The Access Order Charge does not apply:

1. when a Service Date Change Charge is applicable;
2. when a Design Change Charge is applicable;
3. to administrative changes as set forth in Section 5.4.1 following;
4. when a change to a pending order does not result in the cancellation of the pending order and the issuance of a new order;
5. when a Miscellaneous Service Order Charge is applicable;
6. when Company initiated network reconfiguration requires a Customer's existing access service to be reconfigured;
7. when a service with an ICB rate is converted to a similar service with a non-ICB Tariff rate prior to the expiration of the ICB rate;
8. when a Billing Name and Address Order Charge is applicable; or
9. when a Presubscription Charge is applicable.

**INTERSTATE DOMESTIC ACCESS SERVICES**

**3. ACCESS ORDERING (Cont'd)**

**3.4 Charges Associated with Access Ordering (Cont'd)**

**3.4.1 Access Order Charge (Cont'd)**

B. The Access Order Charge will be applied on a per order basis to each order received by the Company or copy of an order received by the Company pursuant to Section 3.3 preceding, as set forth in this and other sections of this Tariff.

**3.4.2 Miscellaneous Service Order Charge**

A Miscellaneous Service Order Charge applies to any service, or combination of services ordered simultaneously from Section 10 of this Tariff for which a service order is not already pending (with the exception of Presubscription (Section 6), which does not have the charge applied). The Miscellaneous Service Order Charge is an administrative charge designed to compensate for the expenses associated with service order issuance.

**INTERSTATE DOMESTIC ACCESS SERVICES****3. ACCESS ORDERING (Cont'd)****3.4 Charges Associated with Access Ordering (Cont'd)****3.4.2 Miscellaneous Service Order Charge (Cont'd)**

The charge applies to the following services described in Section 10.

- Overtime Repair;
- Testing and Maintenance with Other Companies other than when in conjunction with Acceptance Testing;
- Other Labor; and
- Maintenance of Service.

The Miscellaneous Service Order Charge will also apply to the following services if they are ordered subsequent to the initial installation of the associated access service, thereby necessitating the issuance of another service order:

- Telecommunications Service Priority;

The charge does not apply to the following services since there would exist a pending service order:

- Additional Engineering;
- Overtime Installation;
- Standby;
- Additional Cooperative Acceptance Testing.

**3.4.3 Access Order Change Charges**

Access Order changes involve service date changes and design changes. The Customer may request a change of its Access Order prior to the service date. The Company will make every effort to accommodate a requested change when it is able to do so with the normal work force assigned to the order and within normal business hours. If the change cannot be made with the normal work force during normal business hours, the Company will notify the Customer. If the customer still desires the Access Order change, the Company will schedule a new service date.

Any increase in the number of Special Access Service channels or Switched Access Service lines, trunks, or CCS/SS7 Port Terminations will be treated as a new Access Order (for the increased amount only).

If order changes are necessary to satisfy the transmission performance for a Special Access Service ordered by a Customer, these changes will be made without order change charges being incurred by the Customer.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **3. ACCESS ORDERING (Cont'd)**

#### **3.4 Charges Associated with Access Ordering (Cont'd)**

##### **3.4.3 Access Order Change Charges (Cont'd)**

###### **A. Service Date Change**

The Customer may request a change of service date on a pending Access Order prior to the service date. A change of service date is a change of the scheduled service date by the Customer to either an earlier date or a later date which does not exceed thirty (30) calendar days from the original service date.

If the Company determines that the Customer's request can be accommodated without delaying the service dates for orders of other Customers, the service date will be changed and the Service Date Change Charge will be applied to the order.

If the service date is changed to an earlier date, and the Company determines additional labor or extraordinary costs are necessary to meet the earlier service date requested by the Customer, the customer will be notified by the Company that Expedited Order Charges as set forth in Section 3.1.3 following apply. Such charges will apply in addition to the Service Date Change Charge.

If the requested service date exceeds thirty (30) calendar days following the original service date, and the Company determines that the Customer's request can be accommodated, the Company will cancel the original order and apply the Cancellation Charges as set forth in Section 3.5.2 following. A new Access Order with a new service date will be issued. The Service Date Change Charge will not apply, however, the Access Order Charge will apply to the new order.

If the service date is changed due to a design change as set forth in paragraph B. following, the Service Date Change Charge will apply.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **3. ACCESS ORDERING (Cont'd)**

#### **3.4 Charges Associated with Access Ordering (Cont'd)**

##### **3.4.3 Access Order Change Charges (Cont'd)**

###### **B. Design Change**

The Customer may request a design change to the service ordered prior to the requested service date. A design change is any change to an Access Order which requires engineering review. An engineering review is a review by the Company personnel, of the service ordered and the requested changes to determine what changes in the design, if any, are necessary to meet the changes requested by the Customer. Design change include such things as the addition or deletion of optional features or functions or a change in the type of Transport Termination (Switched Access only), type of channel interface, type of Interface Group or technical specification package. Design changes do not include a change of Customer premise, end user premise to a different serving wire center or end office switch. Changes of this nature will require the issuance of a new order and the cancellation of the original order with appropriate cancellation charges applied.



## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **3. ACCESS ORDERING (Cont'd)**

#### **3.4 Charges Associated with Access Ordering (Cont'd)**

##### **3.4.3 Access Order Change Charges (Cont'd)**

##### **B. Design Change (Cont'd)**

The Company will review the requested changes, notify the customer whether the change is a design change, if the change can be accommodated and if a new service date is required. If the Customer authorizes the Company to proceed with the design change, a Design Change Charge will apply in addition to the charge for Additional Engineering as set forth in Section 17. If a change of service date is required, the Service Date Change Charge will also apply.

A Design Change Charge will apply, on a per order, per occurrence basis.

#### **3.5 Minimum Periods and Cancellations**

##### **3.5.1 Minimum Periods**

- A. Switched Access usage rate services (i.e. End Office Common Line, Tandem Switched Transport) have no minimum period.
- B. Special Access services are billed in advance with partial month charges calculated on a thirty (30) day month.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **3. ACCESS ORDERING (Cont'd)**

#### **3.5 Charges Associated with Access Ordering (Cont'd)**

##### **3.5.1 Minimum Periods (Cont'd)**

C. The following charges will be treated as a discontinuance of the existing service and a request for installation of a new service. All associated non-recurring charges will apply for the new service, and a new minimum period will be established.

1. A change in the identity of the Customer of record;
2. A move by the Customer to a different building;
3. A change in type of service;
4. A change in Switched Access Service Interface (i.e. DS1 or DS3);
5. A change in Switched Access Service Traffic Type;
6. A change in type of Special Access Service Channel Termination;
7. A change from two (2) point to multipoint Special Access Service.

D. All applicable non-recurring charges for the service will be billed in addition to the Minimum Period Charge.

##### **3.5.2 Cancellation of an Access Order**

A. A Customer may cancel an Access Order for the installation of service on any date prior to the service date. The cancellation date is the date the Company receives written or verbal notice from the Customer that the order is to be canceled. The verbal notice must be followed by written confirmation within ten (10) days. If a Customer or a Customer's end user is unable to accept Access Service within thirty (30) calendar days after the original service date, the Customer has the choice of the following options:

1. The Access Order shall be canceled and charges set forth in paragraph B. following will apply; or
2. Billing for the service will commence. In such instances, the cancellation date or the billing date, depending on which option is selected by the Customer, shall be the thirty- first (31<sup>st</sup>) day beyond the original service date of the Access Order.

**INTERSTATE DOMESTIC ACCESS SERVICES**

**3. ACCESS ORDERING (Cont'd)**

**3.5 Charges Associated with Access Ordering (Cont'd)**

**3.5.2 Cancellation of an Access Order (Cont'd)**

- B. When a Customer cancels an Access Order for the installation of service, a Cancellation Charge will apply as follows:
  - 1. Installation of Switched Access Service facilities is considered to have started when the Company incurs any cost in connection therewith or in preparation thereof which would not otherwise have been incurred.
  - 2. Where the Customer cancels an Access Order prior to the start of installation of access facilities, no charges shall apply.
  - 3. Where installation of access facilities has been started prior to the cancellation, the charges specified in paragraphs (a) or (b) following, whichever is lower, shall apply.
    - (a) A charge equal to the costs incurred in such installation, less estimated net salvage. Such costs include the non-recoverable cost of equipment and material ordered, provided or used, plus the non-recoverable cost of installation and removal including the costs of engineering, labor, supervision, transportation, rights-of-way and other associated costs; or
    - (b) The minimum period charges for Switched or Special Access Service ordered by the Customer.
- C. When a Customer cancels an order for the discontinuance of service, no charges apply for the cancellation.
- D. If the Company misses a service date by more than thirty (30) days and such delay is not requested or caused by the Customer (excluding those circumstances where the date is missed due to acts of God, governmental requirements, work stoppages and civil commotion), the Customer may cancel the Access Order without incurring cancellation charges

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **4. CARRIER COMMON LINE ACCESS SERVICES**

#### **4.1 General Description**

The Company will provide Carrier Common Line Access Service (Carrier Common Line Access) to Customers in conjunction with Switched Access Service provided in Section 5 of this Tariff. Carrier Common Line Access Service provides for the use of Company common lines by Customers for access to end users to furnish Interstate Communications. The Switched Access Service provided by the Company includes the Switched Access provided for both interstate and intrastate communications. The Carrier Common Line Access rates and charges apply to Interstate Switched Access Service access minutes.

Issued: January 19, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

Effective: January 20, 2012

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **4. CARRIER COMMON LINE ACCESS SERVICES (Cont'd)**

#### **4.2 Obligation of the Customer**

##### **4.2.1 Switched Access Service Requirement**

The Switched Access Service associated with Carrier Common Lines Access shall be ordered by the Customer under other sections of this Tariff.

##### **4.2.2 Supervision**

The Customer facilities at the premises of the ordering Customer shall provide the necessary on-hook and off-hook supervision.

#### **4.3 Determination of Usage Subject to Carrier Common Line Access Charges**

Except as set forth herein, all Switched Access Service provided to the Customer will be subject to Carrier Common Line Access Charges. When the Customer reports interstate and intrastate use of Switched Access Service, the associated Carrier Common Line Access used by the Customer for Interstate will be determined as set forth in Section 2.3.9 preceding, (Percent Interstate Use-PSU).

#### **4.4 Presubscribed Interexchange Carrier Charge (PICC)**

The Company will recover the Presubscribed Interexchange Carrier Charge (PICC) through a flat-rated, monthly charge assessed per each local exchange service line or trunk. For end users (including resellers of the Company-provided local exchange service) who have chosen a presubscribed interexchange carrier, the Company shall assess the PICC from the chosen carrier. The PICC will be based on a monthly snapshot of end user (or reseller) subscriber accounts. For end users (including resellers of Company provided local exchange services) who have not chosen a presubscribed interexchange carrier, the Company shall collect the PICC directly from the end user (or reseller). The PICC will be applied to these end users (or reseller's) accounts based on the status of the presubscribed interexchange carrier information at the time of the end user's (or reseller's) billing period. No fractional debits or credits will be created.

The Presubscribed Interexchange Carrier Charge will be the maximum allowable by the Federal Communications Commission.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****5. SWITCHED ACCESS SERVICES****5.1 General**

Switched Access Service, which is available to Customers for their use in furnishing their services to end users, provides a two (2) point communications path between a Customer designated premise and an end user's premise. It provides for the use of common terminating, switching, and transport facilities and for the use of common subscriber plant of the Company. Switched Access Service provides for the ability to originate calls from an end user's premise to a Customer designated premise, and to terminate calls from a Customer designated premise to an end user's premise.

Rates and charges are set forth in Section 17.2. The application of rates for Switched Access Service is described in Section 5.4 following.

The Operator Transfer Service, and 800 Series Data Base Access Service optional features are available with the FGD Switched Access Service.

**5.1.1 Description and Provision of Switched Access Service Arrangements****A. Description**

1. FGD is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment is provided with wink-start pulsing signals and answer and disconnect supervisory signaling.
2. FGD switching is provided with multi-frequency address signaling or SS7 out of band signaling. Up to twelve (12) digits of the called party number dialed by the Customer's end user using dual-tone multi-frequency or dial-pulse address signals will be provided by company equipment to the Customer's premise where the Switched Access Service terminates. Such address signals will be subject to the ordinary transmission capabilities of the switched transport provided.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **5. SWITCHED ACCESS SERVICES (Cont'd)**

#### **5.1 General (Cont'd)**

##### **5.1.1 Description and Provision of Switched Access Service Arrangements (Cont'd)**

3. FGD service, when used in the terminating direction, may be used to access valid NXX codes served by the Company's switch and other Customer services (by dialing appropriate codes) when such services can be reached using valid NXX codes. FGD may not be switched, in the terminating direction, to another Trunk side Switched Access Service.
4. The Company will establish a trunk group or groups for the Customer at end office switches or access tandem switches where FGD switching is provided. When required by technical limitations, a separate trunk group will be established for each type of FGD switching arrangement provided. Different types of FGD or other switching arrangements may be combined in a single group at the option of the Company.
5. The access code for FGD switching is a uniform access code of the form 10XXX or 101XXXX. These uniform access codes will be the assigned access numbers of all FGD access provided to the Customer by the Company. No access code is required for calls to a customer over FGD Switched Access Service if the end user's telephone service is arranged for presubscription to that Customer.

Where no access code is required, the number dialed by the Customer's end user shall be a seven (7) or ten (10) digit number for calls in the North American Numbering Plan (NANP). For international calls outside the NANP, a seven (7) to twelve (12) digit number may be dialed.

**INTERSTATE DOMESTIC ACCESS SERVICES****5. SWITCHED ACCESS SERVICES (Cont'd)****5.1 General (Cont'd)****5.1.1 Description and Provision of Switched Access Service Arrangements (Cont'd)****5. (Cont'd)**

When the 10XXX or 101XXXX access code is used, FGD Service also provides for dialing the digit 0 or 00 for access to the Customer's operator and 911 for access to emergency reporting service.

A Customer may order 950 on FGD to activate a Customer's designated 950-XXXX access code. This will allow the Company to direct those designated 950-XXXX calls dialed by the Customer's end users to the Customer's access service. The Customer must be prepared to handle normally dialed FGD calls, as well as calls dialed with the designated 950-XXXX access code which requires the Customer to receive additional address signaling. Such calls will be rated as FGD.

6. There are various optional features associated with Local Transport, Common Switching and Transport Termination Services available. Operator Transfer Service (forwarding of 0- calls) may be provided over FGD switched access service trunks from the operator service location to the Customer's premise. Where required by technical limitations, a separate FGD trunk group will be established for Operator Transfer Service. The operator service location will provide trunk answer and disconnect supervisory signaling to the Customer. The Company will provide Operator Transfer Service for calls originating from telephone numbers associated with exchange service lines in end offices subtending the Operator Service location.

**B. Manner of Provision**

Switched Access Service is provided by the Company as trunk-side switched access with equal access capabilities compatible with industry standards for Feature Group D Service.

Trunks used for Switched Access Service may be configured for one (1) way (either originating only or terminating only) or for two (2) way directionality. Originating calling permits the delivery of calls from the Telephone Exchange Service locations to the Customer designated premise. Terminating calling permits the delivery of calls from the Customer designated premise to Telephone Exchange Service locations. Two (2) way calling permits the delivery of calls in both directions, but not simultaneously.



**INTERSTATE DOMESTIC ACCESS SERVICES****5. SWITCHED ACCESS SERVICES (Cont'd)****5.1 General (Cont'd)****5.1.2 Ordering Options and Conditions**

Switched Access Service is ordered under the Access Order provisions set forth in Section 3. Also, included in that Section are regulations concerning Miscellaneous Service Order Charges which may be associated with Switched Access Service ordering (e.g. Service Date Change, Cancellation, etc.).

**5.1.3 Rate Categories**

There are three (3) rate categories which apply to Switched Access Service:

- Local Transport
- End Office
- Chargeable Optional Features

Following is a description of the rate categories for the facilities required to provide Switched Access Services to the Customer.

**A. Local Transport**

The Local Transport rate category establishes the charges related to the transmission and tandem switching facilities between the Customer designated premise and the Company's local switching equipment, where the Customer's traffic is switched to originate or terminate the Customer's communications. Mileage measurements are set forth in Section 5.4.3 following and in this Section.

Local transport is a two (2) way voice frequency transmission path composed of facilities determined by the Company. The two (2) way voice frequency transmission path permits the transport of calls in the originating direction (from the end user end office switch to the Customer designated premise) and in the terminating direction (from the Customer designated premise to the end office switch), but not simultaneously. The voice frequency transmission path may be comprised of any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **5. SWITCHED ACCESS SERVICES (Cont'd)**

#### **5.1 General (Cont'd)**

##### **5.1.3 Rate Categories (Cont'd)**

###### **A. Local Transport (Cont'd)**

Transport can be ordered as switched transport or direct trunked transport by the Customer. The switched transport provides a common transmission path between Customers and the Company's local switch that serves end users. Direct trunked transport provides dedicated transmission paths to a Customer for connection to Switched Access Services of the Company.

The Customer must specify when ordering whether the service is to be provided as direct trunked transport or tandem switched transport. Additionally the Customer must specify (1) whether the service is to be directly routed to an end office switch or through an access tandem switch, and (2) the type of direct trunked transport and whether it will overflow to tandem switched transport when service is directly routed to an end office, (3) the type of entrance facility, (4) the directionality of the service, and (5) when multiplexing is required, the hub(s) at which the multiplexing will be provided.

Additionally, when service is to be routed through an access tandem switch, the Customer must specify whether the facility between the serving wire center and the tandem is to be provided as direct trunked transport or tandem switched transport.

When the Customer has both tandem switched transport and direct trunked transport at the same end office, the Customer will be provided Alternate Traffic Routing.

Direct trunked transport is available at all tandems and at the end offices with the capability of providing the service. Direct trunked transport is not available from end offices that lack recording or measurement capability.

**INTERSTATE DOMESTIC ACCESS SERVICES****5. SWITCHED ACCESS SERVICES (Cont'd)****5.1 General (Cont'd)****5.1.3 Rate Categories (Cont'd)****A. Local Transport (Cont'd)**

Normally, direct trunked transport of originating 800 series type calls from an end office is available only from Service Switching Point (SSP) equipped end offices. However, certain non-SSP equipped end offices can accommodate direct trunking of originating 800 series type calls. The direct trunking of originating 800 service type calls will be available if the end office can accommodate the service.

Local Transport is provided at the rates and charges set forth in Sections 17. The application of these rates is as set forth in Section 5.4.1 C. following .

The Local Transport Rate Category includes five (5) classes of rate elements: 1) Entrance Facility, 2) Transport Interconnection Charge, 3) Multiplexing, 4) Direct Trunked Transport or 5) Tandem Switched Transport.

When more than one Company is involved in providing the Switched Access Service to a Customer, for the provision of transport, each Company will provide it's portion of transport to the interconnection point with the next Company. The mileage used to calculate charges for the Company's transport interconnections is as set forth in Section 5.4.3 following.

**1. Entrance Facility**

The Entrance Facility Charge recovers a portion of the costs associated with a communications path between a Customer designated premise and the serving wire center of that premise. Included as part of the entrance facility is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the Customer designated premise and the type of signaling capability, if any.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **5. SWITCHED ACCESS SERVICES (Cont'd)**

#### **5.1 General (Cont'd)**

##### **5.1.3 Rate Categories (Cont'd)**

###### **A. Local Transport (Cont'd)**

###### **1. Entrance Facility (Cont'd)**

Three (3) types of entrance facilities are available: 1) voice grade two (2) or four (4) wire (an analog channel with an approximate bandwidth of 300 to 3000 HZ), 2) high capacity DS1 (an isochronous serial digital channel with a rate of 1.544 Mbps) and 3) high capacity DS3 (and isochronous serial digital channel with a rate of 44.736 Mbps). The minimum period for which a DS3 entrance facility is provided is twelve (12) months.

One (1) charge applies for each entrance facility that is terminated at a Customer designated premise. This charge specified in Section 17 will apply even if the Customer designated premise and the serving wire center are collocated in the Company building.

A Customer's local transport may be connected to the entrance facility of another Customer, providing the other Customer submits a letter of authorization for this connection and assumes full responsibility for the cost of the entrance facility.

**INTERSTATE DOMESTIC ACCESS SERVICES****5. SWITCHED ACCESS SERVICES (Cont'd)****5.1 General (Cont'd)****5.1.3 Rate Categories (Cont'd)****A. Local Transport (Cont'd)****2. Transport Interconnection Charge**

The Transport Interconnection Charge recovers the costs associated with local transport that are not recovered by the Entrance Facility, Direct Trunked Transport, Tandem Switched Transport, Multiplexing, or Dedicated Signaling (*i.e.*, SS7) Charges. The Transport Interconnection Charge specified applies to both tandem switched and direct trunked access minutes of use.

**3. Multiplexing**

DS3 to DS1 Multiplexing Charges apply when a high capacity DS3 entrance facility or high capacity DS3 direct trunked facility is connected with high capacity DS1 direct trunked transport. The DS3 to DS1 multiplexer will convert a 44.736 Mbps channel to twenty-eight (28) DS1 channels using digital time division multiplexing. DS1 to voice grade Multiplexing Charges apply when a high capacity DS1 entrance facility or high capacity DS1 direct trunked facility is connected with voice grade direct trunked transport. However, a DS1 to voice grade Multiplexing Charge does not apply when a high capacity DS1 entrance facility or high capacity DS1 direct trunked transport is terminated at an electronic end office and only Switched Access Service is provided over the DS1 facility (*i.e.*, voice grade special access channels are not derived). The DS1 to voice grade multiplexer will convert a 1.544 Mbps channel to twenty-four (24) voice grade channels. Multiplexing will be provided in the offices where the capability exist.

**4. Direct Trunked Transport**

The Company provides direct trunked transport, between the Customer's designated premise and the local switching equipment of the Company. This transmission path is dedicated to the use of a single Customer. Voice grade two (2) or four (4) wire or high capacity DS1 and DS3 facilities are available for direct trunked transport.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

## INTERSTATE DOMESTIC ACCESS SERVICES

### 5. **SWITCHED ACCESS SERVICES** (Cont'd)

#### 5.1 General (Cont'd)

##### 5.1.3 Rate Categories (Cont'd)

##### A. Local Transport (Cont'd)

##### 4. Direct Trunked Transport (Cont'd)

The Customer must specify the choice of facilities (i.e., voice grade two (2) or (4) four wire or high capacity DS1 or DS3) to be used in the provision of the direct trunked transport or entrance facility and whether it will overflow to tandem switched transport. The minimum period for which a high capacity DS3 direct trunked transport is provided is twelve (12) months.

Direct trunked transport is available to all tandems and to all end offices with the capability.

Direct trunked transport is not available from end offices that lack recording or measurement capability.

Normally, direct trunked transport of originating 800 series type calls from an end office is available only from Service Switching Point (SSP) equipped end offices. However, certain non-SSP equipped end offices can accommodate direct trunking of originating 800 series type calls.

High capacity DS3 direct trunked transport can not be terminated at end offices that are not identified as hub offices that provide DS3 to DS1 multiplexing. Additionally, DS1 direct trunked transport can not be terminated at end offices that are not identified as hub offices that provide DS1 to voice grade multiplexing or are not electronic end offices.

**INTERSTATE DOMESTIC ACCESS SERVICES****5. SWITCHED ACCESS SERVICES (Cont'd)****5.1 General (Cont'd)****5.1.3 Rate Categories (Cont'd)****A. Local Transport (Cont'd)****4. Direct Trunked Transport (Cont'd)**

Direct Trunked Transport rates consist of a Direct Trunked Facility rate which is applied on a per mile basis and a Direct Trunked Termination rate which is applied at each end of each measured segment of the direct trunked facility (e.g., at the end office, hub, tandem, and serving wire center). When the direct trunked facility mileage is zero (0), neither the Direct Trunked Facility rate nor the Direct Trunked Termination rate will apply.

The Direct Trunked Transport rate elements recover a portion of the cost associated with the communications path between a serving wire center and an end office or serving wire center and a tandem on circuits dedicated to the use of a single Customer:

The Direct Trunked Facility rate recovers a portion of the costs of transmission facilities, including intermediate transmission circuit equipment, between the end points of the interoffice circuits.

The Direct Trunked Termination rate recovers a portion of the costs of the circuit equipment that is necessary for the termination of each end of the direct trunked facility.

**5. Switched Transport Services**

Switched transport is provided from the serving wire center at which the service becomes common transport to either of the following, at the discretion of the Customer:

- a. The last serving wire center of the common transport
- b. The serving wire center of the end user

The Tandem Switched Transport rate elements recover a portion of the costs associated with the communications path between the serving wire center and an end office or between a tandem and an end office on circuits that are switched at a tandem switch.

**INTERSTATE DOMESTIC ACCESS SERVICES****5. SWITCHED ACCESS SERVICES (Cont'd)****5.1 General (Cont'd)****5.1.3 Rate Categories (Cont'd)****A. Local Transport (Cont'd)****5. Switched Transport Services (Cont'd)**

In those instances where an SSP equipped end office is capable of handling 800 SAC traffic on a direct trunked basis but incapable of handling 888 SAC traffic on a direct trunked basis, a full credit will be provided for Tandem Switched Transport Charges associated with FGD service for 888 SAC traffic delivered at the tandem. This results in all 800 series traffic being rated as direct trunked transport regardless of whether the SSP equipped end office is capable of handling 888 SAC traffic on a direct trunked basis.

Tandem Switched Transport rates consist of a Tandem Switching rate, a Tandem Switched Facility rate and a Tandem Switched Termination rate.

- (a) The Tandem Switching rate recovers a portion of the costs of switching traffic through an access tandem. The Tandem Switching rate is applied on a per access minute per tandem basis for all originating and all terminating minutes of use switched at the tandem.
- (b) The Tandem Switched Facility rate recovers a portion of the costs of the transmission facilities, including intermediate transmission circuit equipment, between the end points of the interoffice circuits. The Tandem Switched Facility rate is applied on a per access minute per mile basis for all originating and terminating minutes of use routed over the facility.
- (c) The Tandem Switched Termination rate recovers a portion of the costs of the circuit equipment that is necessary for the termination of each end of the tandem switched facility. The Tandem Switched Termination rate is applied on a per access minute basis (for all originating and terminating minutes of use routed over the facility) at each end of each measured segment of tandem switched facility (e.g., at the end office, host office, tandem, and serving wire center).

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833



**INTERSTATE DOMESTIC ACCESS SERVICES****5. SWITCHED ACCESS SERVICES (Cont'd)****5.1 General (Cont'd)****5.1.3 Rate Categories (Cont'd)****A. Local Transport (Cont'd)****6. Interface Groups**

The Company will provide interface groups for terminating the entrance facility at the Customer's designated premise. The Company will attempt to meet any standard interface group protocol, limited by the technical availability.

**B. End Office**

The End Office rate category establishes the charges related to the local end office switching and end user termination functions necessary to complete the transmission of switched access communications to and from the end users served by the local end office. The End Office rate category includes the Local Switching and Information Surcharge rate elements.

**1. Local Switching**

The Local Switching rate element establishes the charges related to the use of end office switching equipment, the terminations in the end office of end user lines, and the terminations of calls at the Company intercept operators or recordings. Where end offices are appropriately equipped, international dialing may be provided as a capability which provides local dial switching for Feature Group D. International dialing provides the capability of switching international calls with service prefix and address codes having more digits than are capable of being switched through a standard FGD equipped end office.

**2. Shared Trunk Port**

The Shared Trunk Port provides for the termination of a Tandem-Switched Trunk at an end office. The Shared Trunk Port is usage rated and shall be assessed to all access minutes which utilize Tandem-Switched Transport. This includes minutes of use associated with FGA service when traffic is terminated in an end office that is not the dial tone office and on minutes of use provided at a remote office.

**3. Information Surcharge**

Information Surcharge rates are assessed to a Customer based on the total number of access minutes.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****5. SWITCHED ACCESS SERVICES (Cont'd)****5.1 General (Cont'd)****5.1.3 Rate Categories (Cont'd)****C. Chargeable Optional Features**

Where facilities permit, the Company will, at the option of the Customer, provide the following chargeable optional features.

**1. Operator Transfer Services**

Operator Transfer Service may be provided with Feature Group D Switched Access Service at Company designated operator services location. Operator Transfer Service is an originating service. The rate is assessed per zero minus (0-) call transferred to a Customer's operator. A zero minus (0-) call is considered transferred when the Company operator activates the switch transferring the call to the designated Customer and the Customer acknowledges receipt.

In addition to the Operator Transfer Service Charge described above and in Section 5.4.5, Feature Group D Switched Access Service rates and charges as set forth in Section 5.4.1 and Carrier Common Line Charges will apply per minute of use for Operator Transfer Service. Operator Transfer Service Charges, provided for in this Tariff, are applied only to those calls actually transferred by the Company to the Customer's operator.

**2. 800 Series Data Base Access Service**

800 Series Data Base Access Service is provided to all Customers in conjunction with FGD Switched Access Service. When a 1+800+NXX-XXXX call is originated by an end user, the Company will utilize the Signaling System 7 (SS7) network to query an 800 series data base to identify the Customer to whom the call will be delivered and provide vertical features based on the dialed ten (10) digits. The call will then be routed to the identified customer over FGD switched access.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **5. SWITCHED ACCESS SERVICES (Cont'd)**

#### **5.1 General (Cont'd)**

##### **5.1.3 Rate Categories (Cont'd)**

##### **2. 800 Series Data Base Access Service (Cont'd)**

A Basic or Vertical Feature Query Charge is assessed for each query launched to the data base which identifies the Customer to whom the call will be delivered. The basic query provides the identification of the Customer to whom the call will be delivered and includes area of service routing which allows routing of 800 series type calls by company to different interexchange carriers based on the LATA in which the call originates. The vertical feature query provides the same Customer identification as the basic query and may include, 1) call validation, (ensuring that calls originate from subscribed service areas); 2) POTS translation of 800 series numbers; 3) alternate POTS translation (which allows subscribers to vary the routing of 800 series type calls based on factors such as time of day, place or origination of the call, etc.); and 4) multiple Carrier routing (which allows subscribers to route to different Carriers).

The description and application of this charge is set forth in Section 5.4.1 following.

##### **5.1.4 Special Facilities Routing**

Any Customer may request that the facilities used to provide Switched Access Service be specially routed. The regulations for special facilities routing (i.e., Avoidance, Diversity and Cable-Only) are set forth in Section 8 following.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **5. SWITCHED ACCESS SERVICES (Cont'd)**

#### **5.1 General (Cont'd)**

##### **5.1.5 Design Layout Report**

At the request of the Customer, the Company will provide to the Customer the makeup of the facilities and services provided from the Customer's premise to the first point of switching. This information will be provided in the form of a Design Layout Report. The Design Layout Report will be provided to the Customer at no charge, and will be reissued or updated whenever these facilities are materially changed.

#### **5.2 Undertaking of the Company**

In addition to the obligations set forth in Section 2, the Company has certain other obligations concerning only the provision of Switched Access Service. These obligations are as follows:

##### **5.2.1 Network Management**

The Company will administer its network to insure the provision of acceptable service levels to all telecommunications users of the Company's network services. Generally, service levels are considered acceptable only when both end users and Customers are able to establish connections with little or no delay encountered within the Company network. The Company maintains the right to apply protective controls, i.e., those actions, such as call gapping, which selectively cancel the completion of traffic, over any traffic carried over its network, including that associated with a Customer's Switched Access Service.

**INTERSTATE DOMESTIC ACCESS SERVICES****5. SWITCHED ACCESS SERVICES (Cont'd)****5.2 Undertaking of the Company (Cont'd)****5.2.1 Network Management (Cont'd)**

Generally, such protective measures would only be taken as a result of occurrences such as failure or overload of Company or Customer facilities, natural disasters, mass calling or national security demands. In the event that the protective controls applied by the Company result in the complete loss of service by the Customer, the Customer will be granted a credit allowance for service interruption as set forth in Section 2.7.2 preceding.

**5.2.2 Testing****A. Acceptance Testing**

At no additional charge the Company will, at the Customer's request, cooperatively test at the time of installation, the following parameters: loss, C-notched noise, C-message noise, three (3)-tone slope, d.c. continuity and operational signaling. When the local transport is provided with interface groups two (2) through ten (10), and the transport termination is two (2) wire (i.e., there is a four (4) wire to two (2) wire conversion in local transport), balance parameters (equal level echo path loss) may also be tested.

**B. Routine Testing**

At no additional charge, the Company will, at the Customer's request, test after installation on an automatic or manual basis, 1004 Hz loss, C- message noise and balance (Improved Return loss).

In the case of automatic testing, the customer shall provide remote office test lines and 105 test lines with associated responders or their functional equivalent.

The frequency of these tests will be that which is mutually agreed upon by the Customer and the Company, but shall consist of not less than quarterly 1004 Hz Loss and C-message noise tests and an annual Balance test. Trunk test failures requiring Customer participation for trouble resolution will be provided to the Customer on an as-occurs basis.

Additional tests may be ordered as set forth in Section 10.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **5. SWITCHED ACCESS SERVICES (Cont'd)**

#### **5.2 Undertaking of the Company (Cont'd)**

##### **5.2.3 Trunk Group Measurement Reports**

Subject to availability, the Company will make available trunk group data in the form of usage in CCS, peg count and overflow, to the Customer based on previously agreed to intervals.

#### **5.3 Obligations of the Customer**

In addition to the obligations of the Customer set forth in Section 2 preceding, the Customer has certain specific obligations pertaining to the use of Switched Access Service. These obligations are as follows:

##### **5.3.1 Report Requirements**

Customers are responsible for providing the following reports to the Company, when applicable.

###### **A. Jurisdictional Reports**

When a Customer orders Switched Access Service for both interstate and intrastate use, the Customer is responsible for providing Jurisdictional Reports. Charges will be apportioned in accordance with those reports. The method to be used for determining the Interstate charges is set forth in Section 2.3.9 preceding.

###### **B. Code Screening Reports**

When a Customer orders service class routing, trunk access limitation or call gapping arrangements, it must report the number of trunks and/or the appropriate codes to be instituted in each end office or access tandem switch, for each of the arrangements ordered.

##### **5.3.2 Supervisory Signaling**

The Customer's facilities shall provide the necessary on-hook, off-hook, answer and disconnect supervision.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **5. SWITCHED ACCESS SERVICES (Cont'd)**

#### **5.3 Obligations of the Customer (Cont'd)**

##### **5.3.3 Short Duration Mass Calling Requirements**

When a Customer offers service for which a substantial call volume is expected during a short period of time (e.g., 900 service media stimulated events), the Customer must notify the Company at least forty-eight (48) hours in advance of each peak period. Notification should include the nature, time, duration, and frequency of the event, an estimated call volume, and the telephone number(s) to be used.

On the basis of the information provided, the Company may invoke network management controls, (e.g., call gapping and code blocking) to reduce the probability of excessive network congestion. The Company will work cooperatively with the Customer to determine the appropriate level of such control.

##### **5.3.4 Design of Switched Access Service**

It is the Customer's responsibility to assure that sufficient Access Services have been ordered to handle its traffic.

#### **5.4 Rate Regulations**

This Section contains the specific regulations governing the rates and charges that apply for Switched Access Service.

##### **5.4.1 Description and Application of Rate**

There are two (2) types of rates and charges that apply to Switched Access Service; recurring (usage and flat rates) and nonrecurring charges. These rates and charges are applied differently to the various rate elements as set forth in paragraph C. following.

**INTERSTATE DOMESTIC ACCESS SERVICES**

**5. SWITCHED ACCESS SERVICES (Cont'd)**

**5.4 Rate Regulations (Cont'd)**

**5.4.1 Descriptions and Application of Rate (Cont'd)**

**A. Recurring Rates**

1. Usage rates for Switched Access Service are rates that apply on a per access minute or a per call basis. Access minute charges and per call charges are accumulated over a monthly period.
2. Flat rates for Switched Access Service are rates that apply on a per month, per rate element basis.

**B. Non-recurring Charges**

Non-recurring charges are one (1) time charges that apply for a specific work activity (i.e., installation or change to an existing service). The types of non-recurring charges that apply for Switched Access Service are: installation of service and service rearrangements. These charges are in addition to the Access Order Charge.

**1. Installation of Service**

A non-recurring Local Transport Installation Charge will be applied at the serving wire center for each entrance facility installed. Additionally, a non-recurring Trunk Activation Charge will be applied at each end office when ordered to the end office or at the tandem when ordered to the tandem for each group of activated twenty-four (24) direct trunked transport trunks or fraction thereof. (i.e., designated by the Customer to be used to carry switched access). A maximum of twenty-four (24) trunks can be activated on a DS1 facility and a maximum of six hundred and seventy two (672) trunks can be activated on a DS3 facility.



**INTERSTATE DOMESTIC ACCESS SERVICES**

**5. SWITCHED ACCESS SERVICES (Cont'd)**

5.4 Rate Regulations (Cont'd)

5.4.1 Descriptions and Application of Rate (Cont'd)

B. Non-recurring Charges (Cont'd)

2. Service Rearrangements

All changes to existing services other than changes involving administrative will be treated as a discontinuance of the existing service and an installation of a new service. The non-recurring charge described in paragraph 1. preceding will apply for this work activity. Moves that change the physical location of the point of termination are described and charged for as set forth in Section 5.4.3 following.

**INTERSTATE DOMESTIC ACCESS SERVICES**

**5. SWITCHED ACCESS SERVICES (Cont'd)**

**5.4 Rate Regulations (Cont'd)**

**5.4.1 Description and Application of Rates (Cont'd)**

**B.Non-recurring Charges (Cont'd)**

3. Administrative changes will be made without charge to the Customer. Administrative changes are as follows:

- Change of Customer name;
- Change of Customer or Customer's end user premise address when the change of address is not a result of a physical relocation of equipment;
- Change in billing data (name, address, or contact name or telephone number);
- Change of agency authorization;
- Change of Customer circuit identification;
- Change of billing account number;
- Change of Customer test line number;
- Change of Customer or Customer's end user contact name or telephone number; and
- Change of jurisdiction.

**INTERSTATE DOMESTIC ACCESS SERVICES**

**5. SWITCHED ACCESS SERVICES (Cont'd)**

**5.4 Rate Regulations (Cont'd)**

**5.4.1 Description and Application of Rate (Cont'd)**

**B. Non-recurring Charges (Cont'd)**

4. When a Customer requests a change of trunks from tandem-switched transport to direct trunked transport or from direct trunked transport to tandem-switched transport or requests to rearrange switched access services between lower capacity and higher capacity facilities (e.g. voice grade to/from DS1 or DS1 to/from DS3), the non-recurring charges set forth in (1) preceding do not apply providing the orders to disconnect existing trunks and to connect the new trunks are placed at the same time, and the number of installed trunks does not exceed the number of trunks disconnected. If the number of installed trunks exceeds the number of trunks connected, all non-recurring charges will apply to the excess trunks unless the customer provides justification based upon standard engineering methods to show that the additional capacity is required to maintain the same level of service.
5. For additions, changes or modifications to an optional feature which has a separate non-recurring charge, that non-recurring charge will apply.

## INTERSTATE DOMESTIC ACCESS SERVICES

### 5. SWITCHED ACCESS SERVICES (Cont'd)

#### 5.4 Rate Regulations (Cont'd)

##### 5.4.1 Description and Application of Rate (Cont'd)

##### B. Non-recurring Charges (Cont'd)

6. For additions, changes, or modifications to optional features that do not have their own separate non-recurring charges, an Access Order Charge will apply.
7. When an optional feature is not required on each transmission path, but rather for an entire transmission path group, an end office or an access tandem switch, only one such charge will apply (*i.e.*, it will not apply per transmission path).
8. For conversion of FGD trunks from multi-frequency address signaling to SS7 signaling or from SS7 signaling to multi-frequency address signaling, non-recurring charges will apply.

##### C. Application of Rates

##### 1. Per Minute Rates

Per minute rates apply to all access minutes that originate or terminate at end offices.

In addition, per minute rates always apply to the following local transport rate elements:

- Tandem Switched Facility
- Tandem Switched Termination
- Tandem Switching

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****5. SWITCHED ACCESS SERVICES (Cont'd)****5.4 Rate Regulations (Cont'd)****5.4.1 Description and Application of Rate (Cont'd)****C. Application of Rates (Cont'd)****2. Credit for 888 SAC Traffic**

In those instances where an SSP equipped end office is capable of handling 800 SAC traffic on a direct trunked basis, and the Customer has direct trunked transport facilities in place at the end office, but the end office is incapable of handling 888 SAC traffic on a direct trunked basis, a full credit will be provided for Tandem Switched Transport Charges associated with FGD service for 888 SAC traffic delivered at the tandem.

This results in all 800 series traffic being rated as direct trunked transport regardless of whether the SSP equipped end office is capable of handling 888 SAC traffic on a direct trunked basis. The credit will expire when 888 SAC SSP functionality is implemented in the end office.

**3. Common Channel Signaling/Signaling System 7 (CCS/SS7) Network Connection Service**

The CCS/SS7 network connection is comprised of a Signaling Mileage Facility Charge, a Signaling Mileage Termination Charge, a Signaling Entrance Facility Charge, and a Signaling Transfer Point (STP) Port Charge.

The Signaling Mileage Facility Charge is assessed on a per facility per mile basis. The Signaling Mileage Termination Charge is assessed on a per termination basis (i.e., at each end of the signaling mileage facility). When the signaling mileage facility mileage measurement is zero (0), Signaling Mileage Termination Charges do not apply.

The Signaling Entrance Facility Charge is assessed on a per facility basis for the connection between the Customer's designated premise (Signaling Point of Interface) and the serving wire center of that premise.

The STP Port Charge is assessed on a per port basis for each termination of a signaling mileage facility at an STP.

**INTERSTATE DOMESTIC ACCESS SERVICES****5. SWITCHED ACCESS SERVICES (Cont'd)****5.4 Rate Regulations (Cont'd)****5.4.1 Description and Application of Rate (Cont'd)****C. Application of Rates (Cont'd)****4. 800 Series Data Base Access Service**

A Basic Query or Vertical Feature Query Charge applies for each query that is launched to an 800 series data base and identifies the Customer to whom the call will be delivered. Query Charges will only be applied by those companies whose wire centers can perform such queries.

When FG D Switched Access Service is used for the provision of 800 Series Data Base Access Service and the total minutes of use and/or count of queries can be determined for each Customer at a tandem or SSP but can not be determined by individual end offices, an allocation method will be utilized to determine minutes of use and/or queries by end office and Customer. For each end office a ratio will be developed and applied against the total minutes of use and/or count of queries for a given Customer as determined by the tandem or SSP. These ratios will be developed by dividing the unidentified originating 800 series type minutes of use at an end office by the total unidentified originating minutes of use in all end offices subtending the tandem or SSP.

**5. Shared Transport**

Shared transport refers to a rate application that is applicable only when the Customer orders high capacity direct trunked transport between a serving wire center and a Company hub where the Company performs multiplexing/de-multiplexing functions and the same Customer then orders the derived channels as direct trunked transport and tandem switched transport.

Except as noted above, the Switched Access Service will be ordered, provided and rated as direct trunked transport. As each derived channel is activated for tandem switched transport, the High Capacity Direct Trunked Transport and Multiplexing Charges will be reduced accordingly. Tandem Switched Transport rates and charges will apply for each channel that is used to provide the tandem switched transport.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****5. SWITCHED ACCESS SERVICES (Cont'd)****5.4 Rate Regulations (Cont'd)****5.4.2 Moves**

A move involves a change in the physical location of one (1) of the following:

- The point of termination at the Customer designated premise
- The Customer designated premise

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

**A. Moves Within the Same Building**

When the move is to a new location within the same building, the charge for the move will be an amount equal to one half (1/2) of the installation nonrecurring charge for the capacity affected. This charge is in addition to the Access Order Charge. There will be no change in the minimum period requirements.

**B. Moves to a Different Building**

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

**5.4.3 Mileage Measurement**

Mileage Measurement Charges are set forth in Section 7.

Exceptions to the mileage measurement rules are as follows:

**A. Alternate Traffic Routing**

When the Alternate Traffic Routing optional feature is provided, the Local Transport access minutes will be apportioned between the two trunk groups used to provide this feature. Such apportionment will be made using: 1) actual minutes of use if available, 2) standard Company traffic engineering methodology and will be based on the last trunk CCS desired for the high usage group, as described in Section 5.4.4., or 3) an apportionment mutually agreed to by the Company and the Customer. This apportionment will serve as the basis for local transport calculation.

**INTERSTATE DOMESTIC ACCESS SERVICES****5. SWITCHED ACCESS SERVICES (Cont'd)****5.4 Rate Regulations (Cont'd)****5.4.3 Mileage Measurement (Cont'd)****B. Feature Group D - WATS**

The local transport facility for Feature Groups D Switched Access Service connected with Special Access Service at a WATS serving office will be measured between the WATS serving office (when measured access minutes of use are used) and the serving wire center for the Customer designated premise.

**C. Use of the Company Hub**

When multiplexing is performed at Company hubs, mileage is computed and rates applied separately for each segment of the local transport direct trunked facility (i.e., Customer serving wire center to hub, hub to hub, and/or hub to end office).

**5.4.4 Non-Chargeable Optional Features**

Following are descriptions of the various non-chargeable optional features that are available in lieu of, or in addition to, the standard features.

**Common Switching Options****A. Automatic Number Identification (ANI)**

This option provides the automatic transmission of a seven (7) digit or ten (10) digit number and information digits to the Customer designated premise for calls originating in the LATA, to identify the calling station.

**B. Service Class Routing**

This option provides the capability to direct originating traffic from an end office to a trunk group or a Customer designated premise, based on the line class of service (e.g., coin, multiparty or hotel/motel), service prefix indicator (e.g., 0-, 0+, 01+ or 011+) or Service Access Code (e.g., 800, 888 or 900). It is provided in suitably equipped end office or access tandem switches.



**INTERSTATE DOMESTIC ACCESS SERVICES****5. SWITCHED ACCESS SERVICES (Cont'd)****5.4 Rate Regulations (Cont'd)****5.4.4 Non-Chargeable Optional Features (Cont'd)****Common Switching Options (Cont'd)****C. Alternate Traffic Routing**

When the Customer orders both direct trunked transport and tandem switched transport at the same end office this option provides the capability of directing originating traffic from an end office (or appropriately equipped access tandem) to a trunk group (the "high usage" group) or to a Customer designated premise until that group is fully loaded, and then delivering additional originating traffic (the "overflowing" traffic) from the same end office or access tandem to a different trunk group (the "final" group) or to a second Customer designated premise. The Customer shall specify the last trunk CCS desired for the high usage group. It is provided in suitably equipped end office or access tandem switches.

**D. Trunk Access Limitation**

This option provides for the routing of originating 900 service calls to a specified number of transmission paths in a trunk group, in order to limit (choke) the completion of such traffic to the Customer. Calls to the designated service which could not be completed over the subset of transmission paths in the trunk group, i.e., the choked calls, would be routed to reorder tone. It is provided in all Company electronic end offices.

**E. Call Gapping Arrangement**

This option, provided in suitably equipped end office switches, provides for the routing of originating calls to 900 Service to be switched in the end office to all transmission paths in a trunk group at a prescribed rate of flow, e.g., one call every five (5) seconds, in order to limit (choke) the completion of such traffic to the Customer. Calls to the designated service which are denied access by this feature would be routed to a no-circuit announcement.

**INTERSTATE DOMESTIC ACCESS SERVICES****5. SWITCHED ACCESS SERVICES (Cont'd)****5.4 Rate Regulations (Cont'd)****5.4.4 Non-Chargeable Optional Features (Cont'd)****Common Switching Options (Cont'd)****F. International Carrier Option**

This option allows for end offices or access tandem switches equipped for International Direct Distance Dialing (IDDD) to be arranged to forward the international calls of one (1) or more International Carriers to the Customer (i.e., the Company is able to route originating international calls to a Customer other than the one designated by the end user either through presubscription or access code dialing). This arrangement requires provision of written verification to the Company that the Customer is authorized to forward such calls. The written verification must be in the form of a letter of agency authorizing the Customer to order the option on behalf of the International Carrier.

**G. Band Advance Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services**

This option, which is provided in association with two (2) or more Special Access Service groups, provides for the automatic overflow of terminating calls to a second Special Access Service group, when the first group has exceeded its call capacity.

**H. End Office End User Line Service Screening for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services**

This option provides the ability to verify that an end user has dialed a called party address (by screening the called NPA and/or NXX on the basis of geographical bands selected by the Company) which is in accordance with that end user's service agreement with the Customer, e.g., WATS. This option is provided in all Company end offices which are designated as WATS Serving Offices.

**INTERSTATE DOMESTIC ACCESS SERVICES****5. SWITCHED ACCESS SERVICES (Cont'd)****5.4 Rate Regulations (Cont'd)****5.4.4 Non-Chargeable Optional Features (Cont'd)****Common Switching Options (Cont'd)****I. Hunt Group Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services**

This option provides the ability to sequentially access one (1) of two (2) or more Special Access Services utilized in the provision of WATS Services (e.g., 800 Series Service Special Access services) in the terminating direction, when the hunting number of the Special Access Service group is forwarded from the Customer to the Company. This feature is provided in all Company designated WATS Serving Offices.

**J. Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services**

This option provides a type of multi-line hunting arrangement which provides for an even distribution of terminating calls among the available Special Access Services utilized in the provision of WATS or WATS-type Services in the hunt group. Where available, this feature is only provided in Company designated WATS Serving Offices.

**K. Nonhunting Number Associated with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services**

This option provides an arrangement for an individual Special Access Service utilized in the provision of WATS or WATS-type Services within a multi-line hunt or uniform call distribution group, that provides access to that Special Access Service within the hunt or uniform call distribution group when it is idle or provide busy tone when it is busy, when the nonhunting number is dialed, without hunting to the next idle number. Where available, this feature is only provided in Company designated WATS Serving Offices.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **5. SWITCHED ACCESS SERVICES (Cont'd)**

#### **5.4 Rate Regulations (Cont'd)**

##### **5.4.4 Non-Chargeable Optional Features (Cont'd)**

##### **Common Switching Options (Cont'd)**

##### **L. Digital Switched 56 Service**

This option provides for a connection between a Customer's premise and a suitably equipped end user's premise which uses end office switching and facilities capable of transmitting digital data up to 56 Kilobits per second. Digital Switched 56 Service is only available in appropriately provisioned Feature Group D offices

##### **Transport Termination Options**

##### **Operator Trunk - Full Feature**

This option provides the initial coin return control function to the Customer's operator. It is provided as a trunk type for transport termination. This feature is not available with SS7 signaling.

##### **Local Transport Options**

##### **A. Supervisory Signaling**

When the transmission parameters permit, and where signaling conversion is required by the Customer to meet its signaling capability, the Customer may order an optional supervisory signaling arrangement in the form of multi-frequency signaling for each transmission path.

##### **B. Multi-frequency Address Signaling**

This optional feature provides for the transmission of number information and control signals (e.g., number address signals, automatic number identification) between the end office switch and the Customer's premise (in either direction). Multi-frequency signaling arrangements make use of pairs of frequencies out of a group of six (6) frequencies. Specific information transmitted is dependent upon call type (i.e., POTS, coin or operator). This feature is not available in combination with SS7 signaling.

**INTERSTATE DOMESTIC ACCESS SERVICES****5. SWITCHED ACCESS SERVICES (Cont'd)****5.4 Rate Regulations (Cont'd)****5.4.4 Non-Chargeable Optional Features (Cont'd)****Local Transport Options (Cont'd)****C. Signaling System 7 (SS7) Signaling**

SS7 is provided in both the originating and terminating direction on FGD and each signaling connection is provisioned for two (2) way SS7 signaling information. This feature provides common channel out of band transmission of address and supervisory SS7 protocol signaling information between the end office switch or the tandem office switching system and the Customer's designated premise. This option requires the establishment of a signaling connection between the Customer's designated premise/ Signaling Point of Interface and a Company's Signaling Transfer Point (STP). The signaling information is transmitted over facilities provided with the Common Channel Signaling/Signaling System 7 Interconnection Service. This will be provided in accordance with the SS7 Interconnect specifications described in Technical Reference TR-TSV-000905.

**D. Calling Party Number (CPN)**

This feature provides for the automatic transmission of the ten (10) digit directory number, associated with a calling station, to the Customer's premise for calls originating in the LATA. The ten (10) digit telephone number consists of the NPA plus the seven (7) digit telephone number, which may or may not be the same number as the calling station's charge number. The ten (10) digit telephone number will be coded as presented, or restricted via a "privacy indicator" for delivery to the called end user. This feature is provided with originating FGD with SS7 signaling. CPN is available where technically feasible.

**E. Carrier Selection Parameter (CSP)**

This feature provides for the automatic transmission of a signaling indicator which signifies to the Customer whether or not the call being processed originated from a presubscribed line. If the line was presubscribed, the indicator will signify if the end user did or did not dial an access code. This feature is provided with originating FGD with SS7 signaling.

**INTERSTATE DOMESTIC ACCESS SERVICES****5. SWITCHED ACCESS SERVICES (Cont'd)****5.4 Rate Regulations (Cont'd)****5.4.4 Non-Chargeable Optional Features (Cont'd)****Local Transport Options (Cont'd)****F. Charge Number Parameter (CNP)**

The CN Parameter is equivalent to the existing ten (10) digit Automatic Number Identification (ANI) available with FGD with MF signaling. The CN Parameter provides for the automatic transmission of the ten (10) digit billing number of the calling station and the originating line information. This feature is provided with originating FGD with SS7 signaling.

**G. Feature Group D with 950 Access**

This option provides for the routing of originating calls, dialed using a 950-1XXX or 950-0XXX access code, to the FGD Customer using FGD signaling protocols and technical specifications. The Customer is responsible for distinguishing between standard FGD calls and 950-dialed calls delivered over the same trunks.

**5.4.5 Chargeable Optional Features****A. Operator Transfer Service**

At the option of the Customer, Operator Transfer Service as specified following, is available for use with Feature Group D Switched Access Service. Operator Transfer Service is ordered as set forth in Section 3.2 preceding and is provided to the Customer via separate FGD trunks dedicated to Operator Transfer Service traffic.

Operator Transfer Service is an arrangement in which Company operators transfer 0 minus (0-) calls (calls for which the end user dials 0 with no additional digits) to the Customer designated by the end user.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **5. SWITCHED ACCESS SERVICES (Cont'd)**

#### **5.4 Rate Regulations (Cont'd)**

##### **5.4.5 Chargeable Optional Features (Cont'd)**

###### **A. Operator Transfer Service (Cont'd)**

The operator transfer function will be performed in the following manner:

- The operator answers the 0- call.
- Initially, the Operator will suggest that the end user dial the Customer on a direct basis. If the end user insists that the Operator transfer the call, the Operator will ask the end user to identify the desired Customer and will then transfer the call as directed.

Zero minus (0-) Public Coin calls will be transferred to the end user designated Customer. In order to accept coin sent- paid calls, the Customer must order signaling as specified in TR-TSY-000506 and TR-NPL-000258.

The Customer may receive inband, multi-wink, or expanded inband coin control signaling, where available, from end offices served by an Operator Services Access Point. Different signaling types cannot be mixed on a signal trunk group.

All non-recurring and usage sensitive rates and charges normally applicable to FGD apply to Operator Transfer Service. Additionally, a charge as specified in Section 5.1.3 is assessed the Customer per zero minus (0-) call transferred.

**INTERSTATE DOMESTIC ACCESS SERVICES****5. SWITCHED ACCESS SERVICES (Cont'd)****5.4 Rate Regulations (Cont'd)****5.4.5 Chargeable Optional Features (Cont'd)****B. Common Channel Signaling/Signaling System 7 Network Connection Service (CCSNC)**

Common Channel Signaling/Signaling System 7 (CCS/SS7) Network Connection Service (CCSNC), where technically feasible, provides a signaling path between a Customer's designated Signaling Point of Interface (SPOI) and a Signaling Transfer Point (STP). This service provides Customers with the use of a two (2) way signaling path for accessing information necessary for the completion of their end user's calls.

CCS/SS7 Network Connection Service is comprised of two (2) rate elements; a Signaling Network Access Link (SNAL) and a Signaling Transfer Point (STP) Port. The SNAL is provided as a dedicated 56 Kbps out-of-band signaling connection between the customer's SPOI and the STP port on the STP.

The CCS/SS7 Network Connection Service is provisioned by a mated pair of STPs as described in Technical Reference TR-TSV 000905 in order to ensure network availability and reliability. The Company shall not be held liable for service outages if the Customer employs technology related to the interconnection of signaling networks that does not adhere to generally accepted industry technical standards.

When CCS/SS7 Network Connection service is provisioned for use with SS7 Signaling, interconnection between signaling networks must occur at an STP.



**INTERSTATE DOMESTIC ACCESS SERVICES****5. SWITCHED ACCESS SERVICES (Cont'd)****5.4 Rate Regulations (Cont'd)****5.4.5 Chargeable Optional Features (Cont'd)****C. 800 Series Data Base Access Service**

800 Series Data Base Access Service is provided with FGD Switched Access Service. When a call using a toll free service access code (SAC) (e.g., 1+800 or 888+XXX-XXXX) is originated by an end user, the Company will utilize the Signaling System 7 (SS7) network to query an 800 series service data base to perform the identification function. The call will then be routed to the identified Customer over FGD switched access trunking.

The manner in which 800 Series Data Base Access Service is provided is dependent on the availability of SS7 Service at the end office from which the service is provided as outlined below.

If 800 Series Data Base Access Service originates at an end office equipped with Service Switching Point (SSP) capability for querying centralized data bases or at a non-SSP equipped end office that can accommodate direct trunking of originating 800 series service type calls, all such service will be provisioned from that end office. If the end office is not equipped with the 888 SAC SSP capability the Customer must order tandem switched transport trunking to receive such traffic until the 888 SAC SSP capability becomes available.

If 800 Series Data Base Access Service originates at an end office not equipped with SSP Customer identification capability the 800 series service type call will be delivered to the access tandem on which the end office is homed and which is equipped with the SSP feature to query centralized data bases.

Query charges are in addition to those charges applicable for the FGD Switched Access Service.

**INTERSTATE DOMESTIC ACCESS SERVICES****5. SWITCHED ACCESS SERVICES (Cont'd)****5.4 Rate Regulations (Cont'd)****5.4.6 Design and Traffic Routing**

The Company shall design and determine the routing of Tandem Switched Access Service, including the selection of the first point of switching and the selection of facilities from the interface to any switching. The Company shall also decide if capacity is to be provided by originating only, terminating only, or two (2) way trunk groups. Finally, the Company will decide whether trunk side access will be provided through the use of two (2) wire or four (4) wire trunk terminating equipment.

For Direct Trunked Transport Service, the Company will determine the routing of the service from the point of interface to the first point of switching. If the Customer specifies one (1) or more hub locations for multiplexing the routing will be determined from the point of interface to the hub location, from one hub location to another hub location, and/or from a hub location to the first point of switching.

Selection of facilities and equipment and traffic routing of the service are based on standard engineering methods, available facilities and equipment, and actual traffic patterns.

**5.4.7 Measuring Access Minutes**

Customer traffic to end offices will be recorded at end office switches or access tandem switches. Originating and terminating calls will be measured or derived to determine the basis for computing chargeable access minutes. In the event the Customer message detail is not available because the Company lost or damaged tapes or incurred recording system outages, the Company will estimate the volume of lost Customer access minutes of use based on previously known values.

FGD access minutes or fractions thereof, the exact value of the fraction being a function of the switch technology where the measurement is made, are accumulated over the billing period for each end office, and are then rounded up to the nearest access minute for each end office.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **5. SWITCHED ACCESS SERVICES (Cont'd)**

#### **5.4 Rate Regulations (Cont'd)**

##### **5.4.7 Measuring Access Minutes (Cont'd)**

###### **Originating Usage**

For originating calls over FGD the measured minutes are the chargeable access minutes.

For originating calls over FGD, provided with MF Signaling, usage measurement begins when the originating FGD first point of switching receives the first wink supervisory signal forwarded from the Customer's point of termination.

For originating calls over FGD provided with Signaling System 7 (SS7) Signaling when the FGD end office is not routed through an access tandem for connection to the Customer, usage measurement begins when the SS7 initial address message is sent from the Service Switching Point (SSP) to the Service Transfer Point (STP).

For originating calls over FGD provided with Signaling System 7 (SS7) signaling when the FGD end office is routed through a tandem for connection to the Customer, usage measurement begins when the FGD end office receives the SS7 exit message from the tandem.

**INTERSTATE DOMESTIC ACCESS SERVICES****5. SWITCHED ACCESS SERVICES (Cont'd)****5.4 Rate Regulations (Cont'd)****5.4.7 Measuring Access Minutes (Cont'd)**

The measurement of originating call usage over FGD provided with MF signaling ends when the originating FGD first point of switching receives disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the Customer's point of termination, whichever is recognized first by the first point of switching.

The measurement of originating call usage over FGD provided with SS7 signaling ends when the originating FGD end office receives an SS7 release message indicating either the originating or terminating end user has disconnected.

**Terminating Usage**

For terminating calls over FGD the chargeable access minutes are either measured or derived.

For terminating calls over FGD provided with MF signaling, where measurement capability exists, the measurement of chargeable access minutes begins when the terminating FGD first point of switching receives answer supervision from the terminating end user's end office, indicating the terminating end user has answered. This measurement ends when the terminating FGD first point of switching receives disconnect supervision from either the terminating end user's end office, indicating the terminating end user has disconnected, or the Customer's point of termination, whichever is recognized first by the first point of switching.

For terminating calls over FGD, where measurement capability does not exist, terminating FGD usage is derived from originating usage, excluding usage from calls to closed end services or Directory Assistance Services.

For terminating calls over FGD with SS7 signaling, usage measurement begins when the terminating recording switch receives answer supervision from the terminating end user. The Company switch receives answer supervision and sends the indication to the Customer in the form of an answer message. The measurement of terminating FGD call usage ends when the entry switch receives or sends a release message, whichever occurs first.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **5. SWITCHED ACCESS SERVICES (Cont'd)**

#### **5.4 Rate Regulations (Cont'd)**

##### **5.4.8 Testing Capabilities**

FGD is provided, in the terminating direction where equipment is available, with seven (7) digit access to balance (100 type) test line, milliwatt (102 type) test line, non synchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line. In addition to the tests described in Section 5.2.2 preceding, which are included with the installation of service (acceptance testing) and as ongoing routine testing, additional cooperative acceptance testing, additional automatic testing and additional manual testing, are available as set forth in Section 10 following.

When SS7 Signaling is ordered, network compatibility and other testing will be performed cooperatively by the Company and the Customer as specified in Technical References TR-TSV 000905.

##### **5.4.9 Special Construction Rate Determination**

Rates and charges for special construction will be determined by the Company on an Individual Case Basis and based in part, on the costs incurred by the Company and may include 1) non-recurring type charges, 2) recurring type charges, 3) termination liabilities, or 4) combinations thereof.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **6. SPECIAL ACCESS SERVICE**

#### **6.1 General**

Special Access Service provides a dedicated transmission path to connect a Customer designated premise, directly, through a Company hub or hubs where bridging or multiplexing functions are performed, or to connect a Customer designated premise and a WATS Serving Office. The Company Centrex CO and CO-like switches and packet switches included in Public Packet Switching Network (PPSN) Service are considered to be Customer designated premise for purpose of this Tariff. Special Access includes all exchange access not utilizing the Company's switching equipment. Special Access Service consists of any of the services offered hereunder, either individually or in combination. Each service is offered independently of all others.

The connections provided by Special Access Service can be either analog or digital. A analog connection is differentiated by spectrum and bandwidth. A digital connection is differentiated by bit rate.

Company services may be connected to the services or facilities of other communications carriers only when authorized by, in accordance with, the terms and conditions of any Tariffs of such other communications carriers.

Rates and charges for Special Access Service are set forth in Section 16 following.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **6. SPECIAL ACCESS SERVICE (Cont'd)**

#### **6.2 Description**

##### **6.2.1 Voice Grade Service**

##### **6.2.1.2 Basic Channel Description**

A voice grade channel provides voice frequency transmission capability in the nominal frequency range of 300 to 3000 Hz and may be terminated two (2) wire or four (4) wire. Voice grade channels are provided between Customer designated premise, between a Customer designated premise and a Company hub or hubs, or between a Customer designated premise and a WATS Serving Office (WSO).

##### **6.2.1.3 Optional Features and Functions**

##### **A. Central Office Bridging Capability**

1. Voice Bridging (two (2) wire and four (4) wire)
2. Data Bridging (two (2) wire and four (4) wire)

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **6. SPECIAL ACCESS SERVICE (Cont'd)**

#### **6.2 Description (Cont'd)**

##### **6.2.1 Voice Grade Service (Cont'd)**

##### **6.2.1.3 Optional Features and Functions (Cont'd)**

##### **B. Conditioning**

Conditioning provides more specific transmission characteristics for Voice Grade Services.

##### **1. C-Type Conditioning**

C-Type conditioning is provided for the additional control of attenuation distortion and envelope delay distortion on data services. The attenuation distortion and envelope delay distortion specifications for C-Type Conditioning are delineated in Technical Reference TR-TSY-000335.

##### **2. D-Type Conditioning (Digital Capability)**

D-Type conditioning provides transmission characteristics suitable for data communications. Specifically, D-Type conditioning provides for the control of the signal to C-notched noise ratio and intermodulation distortion. It is available for two (2) point services or multipoint services.



## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **6. SPECIAL ACCESS SERVICE (Cont'd)**

#### **6.2 Description (Cont'd)**

##### **6.2.1 Voice Grade Services (Cont'd)**

##### **6.2.1.3 Optional Features and Functions (Cont'd)**

The Signal to C-Notched Noise Ratio and Intermodulation Distortion Parameter for data capability are delineated in Technical Reference TR-TSY-000335.

When a service equipped with data capability is used for voice communications, the quality of the voice transmission may not be satisfactory.

#### **C. Customer Specified Premise Receive Level**

This option allows the Customer to specify the receive level at the Point of Termination (POT). The level must be within a specific range on effective four (4) wire transmission. The ranges are delineated in Technical Reference TR-TSY-000335.

#### **D. Improved Return Loss**

1. On Effective Four (4) Wire Transmission at Four (4) Wire Point of Termination (POT) (applicable to each two (2) wire port): Provides for a fixed 600 ohm impedance, variable level range and simplex reversal. Company equipment is required at the Customer's premise where this option is ordered. The Improved Return Loss parameters are delineated in Technical Reference TR-TSY-000335.

## INTERSTATE DOMESTIC ACCESS SERVICES

### 6. SPECIAL ACCESS SERVICE (Cont'd)

#### 6.2 Description (Cont'd)

##### 6.2.1 Voice Grade Services (Cont'd)

##### 6.2.1.3 Optional Features and Functions (Cont'd)

2. On Effective Two (2) Wire Transmission at Two (2) Wire Point of Termination (POT): Provides for more stringent echo control specifications. In order for this option to be applicable, the transmission path must be four (4) wire at one POT and two (2) wire at the other POT. Placement of Company equipment may be required at the Customer's premise with the two (2) wire POT. The Improved Return Loss parameters are delineated in Technical Reference TR-TSY-000335.

#### E. Signaling Capability

Signaling Capability provides for the ability to transmit signals from one Customer premise to another Customer premise on the same service.

#### F. Selective Signaling Arrangement

An arrangement that permits code selective ringing for up to ten (10) codes on a multipoint service.

**INTERSTATE DOMESTIC ACCESS SERVICES****6. SPECIAL ACCESS SERVICE (Cont'd)****6.2 Description (Cont'd)****6.2.1 Voice Grade Services (Cont'd)****6.2.1.3 Optional Features and Functions (Cont'd)****G. Transfer Arrangement**

A transfer arrangement affords the Customer an additional measure of flexibility in the use of an access channel(s). The arrangement can be utilized to transfer a leg of a Special Access Service to another channel that terminates in either the same or a different Customer premise. A key activated or dial-up control service is required to operate the transfer arrangement. A spare channel, if required, is not included as part of the option.

**6.2.2 Digital Data Service****6.2.2.1 Basic Channel Description**

A digital data channel is for duplex four (4) wire transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6, 19.2, 56.0 or 64.0 Kbps. The actual bit rate is a function of the channel interface selected by the Customer. The channel provides a synchronous service with timing provided by the Telephone Company through the Company's facilities to the Customer in the received bit stream. Digital data channels are provided as either hubbed or non-hubbed services between Customer designated premise or between a Customer designated premise and a Company hub or hubs, where available. The Customer may provide the channel service unit-type equipment or other network channel terminating equipment associated with the digital data channel at the Customer premise.

## INTERSTATE DOMESTIC ACCESS SERVICES

### 6. SPECIAL ACCESS SERVICE (Cont'd)

#### 6.2 Description (Cont'd)

##### 6.2.2 Digital Data Service (Cont'd)

###### 6.2.2.1 Basic Channel Description (Cont'd)

The Company will provide a channel capable of meeting a monthly average performance equal to or greater than 99.875% error-free seconds (if provided through a digital data hub) while the channel is in service, if it is measured through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference PUB62310 .

###### 6.2.2.2 Optional Features and Functions

The Optional Features and Functions described in paragraphs A. and B. following are only available where Digital Data Service is provided via a hub.

###### A. Central Office Bridging Capability

Bridging is not available on a 64.0 Kbps channel.

**INTERSTATE DOMESTIC ACCESS SERVICES****6. SPECIAL ACCESS SERVICE (Cont'd)****6.2 Description (Cont'd)****6.2.2 Digital Data Service (Cont'd)****6.2.2.2 Optional Features and Functions (Cont'd)****B. Transfer Arrangement**

A transfer arrangement affords the Customer an additional measure of protection and/or flexibility in the use of their access channel(s) on a 1xN basis. The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working channel that terminates in either the same or a different Customer designated premise. This arrangement is only available at a Company designated hub. A key activated or dial-up control service is required to operate the transfer arrangement. A spare channel, if required, is not included as a part of the option.

**6.2.3 High Capacity Service****6.2.3.1 Basic Channel Description**

A high capacity channel is for the transmission of 1.544 or 44.736 Mbps isochronous serial data. The actual bit rate is a function of the channel interface selected by the Customer. High capacity channels are provided between Customer designated premise or between a Customer designated premise and a Company hub or hubs.

The Customer may provide the network channel terminating equipment associated with the high capacity channel at the Customer's premise.

## INTERSTATE DOMESTIC ACCESS SERVICES

### 6. SPECIAL ACCESS SERVICE (Cont'd)

#### 6.2 Description (Cont'd)

##### 6.2.3 High Capacity Service (Cont'd)

##### 6.2.3.1 Basic Channel Description (Cont'd)

A channel with technical specifications package HC1 will be capable of an error-free second performance of 98.75% over a continuous twenty-four (24) hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference PUB 62411.

##### 6.2.3.2 Optional Features and Functions

##### A. Transfer Arrangement

An arrangement that affords the Customer an additional measure of flexibility in the use of their access channel(s). The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working channel that terminates in either the same or a different Customer designated premise. A key activated or dial-up control service is required to operate the transfer arrangement. A spare channel, if required, is not included as part of the option.

## INTERSTATE DOMESTIC ACCESS SERVICES

### 6. SPECIAL ACCESS SERVICE (Cont'd)

#### 6.2 Description (Cont'd)

##### 6.2.3 High Capacity Service (Cont'd)

##### 6.2.3.2 Optional Features and Functions (Cont'd)

#### B. Central Office Multiplexing

##### 1. DS3 to DS1

An arrangement that converts a 44.736 Mbps channel to twenty-eight (28) DS1 channels using digital time division multiplexing.

##### 2. DS1 to Voice

An arrangement that converts a 1.544 Mbps channel to twenty-four (24) channels for use with Voice Grade Services. A channel(s) of this DS1 to the hub can also be used for a Digital Data Service.

##### 3. DS1 to DS0

An arrangement that converts a 1.544 Mbps channel to 56/64 Kbps channel for use with Digital Data Service.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **6. SPECIAL ACCESS SERVICE (Cont'd)**

#### **6.3 Service Configurations**

There are two (2) types of service configurations over which Special Access Services are provided: two (2) point and multi-point.

##### **A. Two-Point Service**

Two-Point Service connects two (2) Customer designated premise's directly or through a hub where multiplexing functions are performed, or a Customer designated premise and a WATS Serving Office.

Applicable rate elements are:

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

##### **B. Multi-Point Service**

Multi-Point Service connects three (3) or more Customer designated premise's through one (1) or more Company hubs. Only certain types of Special Access Service are provided as Multi-Point Service. These are so designated in the descriptions for the appropriate channel.

The channel between hubs (i.e. bridging locations) on a Multi-Point Service is a mid-link. There is no limitation on the number of mid-links available with a Multi-Point Service. However, when more than three (3) mid-links in a tandem are provided the quality of the overall service may be degraded.



**INTERSTATE DOMESTIC ACCESS SERVICES****6. SPECIAL ACCESS SERVICE (Cont'd)****6.3 Service Configurations (Cont'd)****B. Multi-Point Service (Cont'd)**

Multi-Point Service utilizing a customized technical specifications package will be provided when technically possible. If the Company determines that the requested parameter specifications are not compatible, the Customer will be advised and given an opportunity to change the order. When a customized channel is ordered the Customer will be notified whether Additional Engineering Charges apply. In such cases, the Customer will be advised and given the opportunity to change the order.

When ordering, the Customer will specify the desired bridging hub(s).

- Channel Terminations (one (1) per Customer designated premise)
- Channel Mileage (as applicable between the serving wire center for each Customer designated premise and the hub and between hubs)
- Bridging
- Additional Optional Features and Functions (when applicable).

**6.4 Alternate Use**

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

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

**6.5 Special Facilities Routing**

The Customer may request that the facilities used to provide Special Access Service be specially routed. The regulations for Special Facilities Routing (i.e., Avoidance, Diversity) are set forth in Section 7.

**INTERSTATE DOMESTIC ACCESS SERVICES****6. SPECIAL ACCESS SERVICE (Cont'd)****6.6 Design Layout Report**

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

**6.7 Acceptance Testing**

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

**A. Voice Grade Service**

For Voice Grade Service (analog) the acceptance test will include tests for loss, 3-tone slope, DC continuity, operational signaling, C-notched noise, C-message noise when these parameters are applicable and specified in the order of service. Additionally, an improved loss test will be made if the Customer has ordered the Improved Loss Optional Feature.

**B. Digital Service**

For Digital Services (i.e., Digital Data and High Capacity), acceptance tests will include tests applicable to the service as specified by the Customer in the order for service. In addition to the above tests, additional cooperative acceptance testing for Voice Grade Service to test other parameters is available at the Customer's request. All test results will be made available to the Customer upon request.

**6.8 Ordering Options and Conditions**

Special Access Service is ordered under the Access Order provisions set forth in Section 3 preceding. Also included in that Section are other charges which may be associated with ordering Special Access Service (e.g., Service Date Change Charges, Cancellation Charges, etc.).

**INTERSTATE DOMESTIC ACCESS SERVICES****6. SPECIAL ACCESS SERVICE (Cont'd)****6.9 Rate Regulations**

This Section contains the specific regulations governing the rates and charges applicable to Special Access Service.

**6.9.1 Rate Categories**

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

- Channel Termination
- Channel Mileage
- Optional Features and Functions

**A. Channel Termination**

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

For DS3 High Capacity Service, the Channel Termination rates are made up of the DS3 Capacity Interface rate and the DS3 Channel Installed rate. The Capacity Interface rate is dependent upon the capacity ordered (i.e., Capacity Interface of 1, 3, 6 or 12) and is applicable at each Customer designated premise. The capacity ordered is the maximum number of DS3 services that can be terminated on a given service at the Customer designated premise (e.g., a capacity of 3 can terminate 1, 2, or 3 DS3 services). One DS3 Channel Installed rate applies per Customer designated premise at which the channel is terminated for each DS3 channel that is ordered. These charges will apply even if the Customer designated premise and the serving wire center are collocated in a Company building.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****6. SPECIAL ACCESS SERVICE (Cont'd)****6.9 Rate Regulations (Cont'd)****6.9.1 Rate Categories (Cont'd)****B. Channel Mileage**

The Channel Mileage rate category recovers the costs associated with the end office equipment and the transmission facilities between the serving wire centers associated with two (2) Customer designated premise's, between a serving wire center associated with a Customer designated premise and a Company hub or between two (2) Company hubs. Channel Mileage rates are made up of the Channel Mileage Facility rate and the Channel Mileage Termination rate.

**1. Channel Mileage Facility**

The Channel Mileage Facility rate recovers the per mile cost for the transmission path which extends between the Company serving wire centers and/or hub(s).

**2. Channel Mileage Termination**

The Channel Mileage Termination rate recovers the cost for end office equipment associated with terminating the facility (i.e., basic circuit equipment and terminations at serving wire centers and hubs). The Channel Mileage Termination rate will apply at the serving wire center(s) for each Customer designated premise and Company hub where the channel is terminated. If the Channel Mileage is between bridging hubs, the Channel Mileage Termination rate will apply per Company designated hub. If the Channel Mileage is between the serving wire center for a Customer designated premise and a WATS Serving Office, the Channel Mileage Termination rate will apply at both the serving wire center associated with the Customer designated premise and the WATS Serving Office. When the Channel Mileage Facility is zero (0) (i.e., collocated serving wire centers), neither the Channel Mileage Facility rate nor the Channel Mileage Termination rate will apply.

**INTERSTATE DOMESTIC ACCESS SERVICES****6. SPECIAL ACCESS SERVICE (Cont'd)****6.9 Rate Regulations (Cont'd)****6.9.1 Rate Categories (Cont'd)****C. Optional Features and Functions**

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

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

- Signaling Capability
- Hubbing Functions
- Conditioning
- Transfer Arrangements

## INTERSTATE DOMESTIC ACCESS SERVICES

### 6. SPECIAL ACCESS SERVICE (Cont'd)

#### 6.9 Rate Regulations (Cont'd)

##### 6.9.1 Rate Categories (Cont'd)

Descriptions for each of the available Optional Features and Functions are set forth in Section 6.2 preceding.

A hub is a Company designated serving wire center at which bridging or multiplexing functions are performed. The bridging functions performed are to connect three (3) or more Customer designated premise's in a multi-point arrangement. The multiplexing functions are to channelize digital facilities to individual services requiring a lower capacity or bandwidth

##### 6.9.2 Types of Rates and Charges

There are three (3) types of rates and charges. These are monthly rates, daily rates and non-recurring charges. The rates and charges are described as follows:

##### A. Monthly Rates

Monthly rates are recurring rates that apply each month.

##### B. Non-recurring Charges

Non-recurring charges are one (1) time charges that apply for specific work activity (i.e., installation or change to an existing service). The types of non-recurring charges that apply for Special Access Service are: installation of service, installation of optional features and functions, and service rearrangements. These charges are in addition to the Access Order Charge.

**INTERSTATE DOMESTIC ACCESS SERVICES**

**6. SPECIAL ACCESS SERVICE (Cont'd)**

**6.9 Rate Regulations (Cont'd)**

**6.9.2 Types of Rates and Charges (Cont'd)**

**B. Non-recurring Charges (Cont'd)**

**1. Installation of Service**

Non-recurring charges apply to each service installed. The non-recurring charges for the installation of service are set for each channel type as a non-recurring charge for the Channel Termination.

**2. Installation of Optional Features and Functions**

When optional features and functions are installed coincident with the initial installation of service, no separate non-recurring charge is applicable. When optional features and functions are installed or changed subsequent to the installation of service, an Access Order Charge will apply per order.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **6. SPECIAL ACCESS SERVICE (Cont'd)**

#### **6.9 Rate Regulations (Cont'd)**

##### **6.9.2 Types of Rates and Charges (Cont'd)**

##### **B. Non-recurring Charges (Cont'd)**

##### **3. Service Rearrangements**

Service rearrangements are changes to existing (installed) services which may be administrative only in nature, as set forth following, or that involve actual physical change to the service. Changes to pending orders are set forth in Section 3.4 preceding.

Changes in the type of service or channel termination which result in a change of the minimum period requirement will be treated as a discontinuance of the service and an installation of a new service.

Changes in ownership or transfer of responsibility from one (1) Customer to another will be treated as a discontinuance of the service and an installation of a new service. In the event the change in ownership or transfer of responsibility is as set forth in Section 2.1.9 preceding where there is no change in facilities or arrangements, the change will be treated as an administrative change.



**INTERSTATE DOMESTIC ACCESS SERVICES****6. SPECIAL ACCESS SERVICE (Cont'd)****6.9 Regulations (Cont'd)****6.9.2 Types of Rates and Charges (Cont'd)****B. Non-recurring Charges (Cont'd)****4. Administrative Changes**

Administrative changes will be made without charge(s) to the Customer. Administrative changes are as follows:

- Change of Customer name;
- Change of Customer or Customer's end user premise address when the change of address is not a result of physical relocation of equipment;
- Change in billing data (name, address, or contact name or telephone number);
- Change of agency authorization;
- Change of Customer circuit identification;
- Change of billing account number;
- Change of Customer test line number;
- Change of Customer or Customer's end user contact name or telephone number; and
- Change of jurisdiction.

All other service rearrangements will be charged as follows:

- If the change involves the addition of other Customer designated premise to an existing service, the non-recurring charge for the Channel Termination rate element will apply. The charge(s) will apply only for the location(s) being added. The charge(s) will be in addition to an Access Order Charge.

**6.9.3 Moves**

A move involves a change in the physical location of one (1) of the following:

- The Point of Termination at the Customer's premise; or
- The Customer's premise

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

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES**

**6. SPECIAL ACCESS SERVICE (Cont'd)**

**6.9 Rate Regulations (Cont'd)**

**6.9.3 Moves (Cont'd)**

**A. Moves Within the Same Building**

When the move is to a new location within the same building, the charge for the move will be an amount equal to one half of the non-recurring (i.e., installation) charge for the service termination affected. There will be no change in the minimum period requirements. This charge is in addition to the Access Order Charge.

**B. Moves To a Different Building**

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

**INTERSTATE DOMESTIC ACCESS SERVICES****6. SPECIAL ACCESS SERVICE (Cont'd)****6.9 Rate Regulations (Cont'd)****6.9.4 Mileage Measurement**

Special Access will be billed to Customers under two (2) options. The first option is where the Company will provision and provide a special access circuit from end to end and will bill all mileage at Company's Access Charge rates. The second option is where the Company will only provision the portion of the special access circuit that uses Company facilities. In this case, the Customer would be required to obtain the other portion of special access circuit from the other Company (ies) needed to provision the required services. The applicable mileage option will be the Company's discretion for each special access circuit ordered.

Option I: Company provided and provisioned special access circuit from end to end:

The mileage used to determine the monthly Channel Mileage Facility rate is calculated on the airline distance between the locations involved, i.e.,

- the serving wire centers associated with two (2) Customer designated premise's,
- a serving wire center associated with a Customer designated premise and a hub,
- two (2) hubs
- or between the serving wire center associated with a Customer designated premise and a WATS Serving Office.

**INTERSTATE DOMESTIC ACCESS SERVICES****6. SPECIAL ACCESS SERVICE (Cont'd)****6.9 Rate Regulations (Cont'd)****6.9.4 Mileage Measurements (Cont'd)**

The serving wire center associated with a Customer designated premise is the serving wire center from which this Customer designated premise would normally obtain dial tone.

Mileage Charges are shown with each channel type. To determine Mileage Charges first compute the airline mileage using the vertical (V) and horizontal (H) coordinates method as follows:

- Obtain the "V" and "H" coordinates for each city.
- Obtain the difference between the "V" coordinates and the "H" coordinates.
- Square each difference obtained in the step above.
- Add the squares of the "V" and "H" differences.
- Divide the number obtained above by ten (10).
- Obtain the square root of the whole number from the step above. This is the airline mileage.

Multiply the resulting airline miles times the Channel Mileage Facility per mile rate, and add the Channel Mileage Termination rate for each termination (where calculations result in a fraction of a mile, always round up to the next whole mile before determining the mileage and applying the rates).

When hubs are involved, mileage is computed and rates applied separately for each section, i.e.,

- Customer designated premise serving wire center to hub,
- hub to hub and/or
- hub to Customer designated premise serving wire center.

However, when any service is routed through a hub for purposes other than Customer specified bridging or multiplexing (e.g., the Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the serving wire centers associated with the Customer designated premise.

**INTERSTATE DOMESTIC ACCESS SERVICES****6. SPECIAL ACCESS SERVICE (Cont'd)****6.10 Mixed Use Analog and Digital High Capacity Services**

Mixed use refers to a rate application applicable only when the Customer orders high capacity special access facilities between a Customer designated premise and a Company hub where the Company performs multiplexing/de-multiplexing functions and the same Customer then orders the derived channels as Special and Switched Access Services. If the Customer has Switched Access Service between a Customer designated premise and an end office that is multiplexed at a Company hub and subsequently orders the derived channels as Special and Switched Access Service, rates and charges will apply as if the service were ordered as mixed use.

Except as noted above, the high capacity facility will be ordered, provided and rated as Special Access Service (i.e., Channel Termination, Channel Mileage, as appropriate, and Multiplexing Arrangement). The non-recurring charge that applies when the mixed use facility is installed will be the non-recurring charge associated with the appropriate special access high capacity channel termination. Rating as special access will continue until such time as the Customer chooses to use a portion of the available capacity for Switched Access Service. Individual service (i.e., Switched or Special Access) non-recurring charges will not apply to the individual channels of the mixed use facility.

When Special Access Service is provided utilizing a channel of the mixed use facility to a hub, high capacity rates and charges will apply for the facility to the hub, as set forth preceding, and individual service rates and charges will apply from the hub to the Customer designated premise. The rates and charges that will apply to the portion from the hub to the Customer designated premise will be dependent on the specific type of Special Access Service that is provided (e.g., Voice Grade, etc.). The applicable rates and charges will include a channel termination and channel mileage, if applicable. Rates and charges for optional features and functions associated with the service, if any, will apply for the appropriate channel type.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **6. SPECIAL ACCESS SERVICE (Cont'd)**

#### **6.10 Mixed Use Analog and Digital High Capacity Services (Cont'd)**

As each individual channel is activated for Switched Access Service, the High Capacity Special Access Channel Termination, Channel Mileage, and Multiplexing rates will be reduced accordingly (e.g., 1/24th for a DS1 service, 1/672nd for a DS3 service, etc.). Switched Access Service rates and charges will apply for each channel that is used to provide a Switched Access Service. Additionally, the Switched Access Service Entrance Facility, Direct Trunked Transport, and Multiplexing charges, if applicable, will be reduced by multiplying their respective rates by the ratio of derived Switched Access Service channels to the total number of voice grade channels that can be derived.

The Customer must place an order for each individual Switched or Special Access Service utilizing the mixed use facilities and specify the channel assignment for each such service.

#### **6.11 Individual Case Basis Arrangements**

Certain services set forth in Special Access Service, Section 6. are provided on an Individual Case Basis.

## **INTERSTATE DOMESTIC ACCESS SERVICES**

### **7. SPECIAL FACILITIES ROUTING OF ACCESS SERVICE**

#### **7.1 Description**

The services provided under this Tariff are provided over such routes and facilities as the Company may elect. Special Facilities Routing is involved when, in order to comply with requirements specified by the Customer, the Company provides Switched Access Service, Special Access Service in a manner which includes one (1) or more of the following conditions:

##### **7.1.1 Diversity**

Two (2) or more circuits must be provided over not more than two (2) different physical routes.

##### **7.1.2 Avoidance**

A circuit(s) must be provided on a route which avoids specified geographical locations.

##### **7.1.3 Diversity and Avoidance Combined**

Diversity and Avoidance may be provided in combination, subject to Company limitations and availability.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

## INTERSTATE DOMESTIC ACCESS SERVICES

### 8. SPECIALIZED SERVICE OR ARRANGEMENTS

#### 8.1 General

Specialized Service or Arrangements may be provided by the Company, at the request of a Customer, on an individual case basis if such service or arrangements meet the following criteria:

- The requested service or arrangements are not offered under other Sections of this Tariff.
- The facilities utilized to provide the requested service or arrangements are of a type normally used by the Company in furnishing its other services.
- The requested service or arrangements are compatible with other Company services, facilities, and its engineering and maintenance practices.
- This offering is subject to the availability of the necessary Company personnel and capital resources.

Rates and charges and additional regulations if applicable, for Specialized Service or Arrangements are provided on an individual case basis.



**INTERSTATE DOMESTIC ACCESS SERVICES****9. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS SERVICES**

In this Section, normally scheduled working hours are an employee's scheduled work period in any given calendar day (e.g., 8:00 a.m. to 5:00 p.m.) for the application of rates based on working hours.

A Miscellaneous Service Order Charge as described in previous Sections may be applicable to services ordered from this Section.

**9.1 Additional Engineering**

Additional Engineering, including engineering reviews will be undertaken only after the Company has notified the Customer that Additional Engineering Charges apply, and the Customer agrees to such charges.

Additional engineering will be provided by the Company at the request of the Customer only when:

- A. A Customer requests additional technical information after the Company has already provided the technical information normally included on the Design Layout Report (DLR).
- B. Additional engineering time is incurred by the Company to engineer a Customer's request for a customized service.
- C. A Customer requested design change requires the expenditure of additional engineering time. Such additional engineering time is incurred by the Company for the engineering review as set forth in Section 3.4.3 preceding. The charge for additional engineering time relating to the engineering review, which is undertaken to determine if a design change is indeed required, will apply whether or not the Customer authorizes the Company to proceed with the design change. In this case the Design Change Charge does not apply unless the Customer authorizes the Company to proceed with the design change.

**INTERSTATE DOMESTIC ACCESS SERVICES****9. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS SERVICES (Cont'd)****9.2 Additional Labor**

Additional labor is that labor requested by the Customer on a given service and agreed to by the Company as set forth in Sections 9.2.1 through 9.2.5 following. The Company will notify the customer that Additional Labor Charges will apply before any additional labor is undertaken. Should a Company employee be called out at a time not consecutive with the employee's scheduled work period the Customer will be subject to a minimum charge of four (4) hours. When provisioning or restoring Telecommunications Service Priority Services, the Company will, when possible, notify the Customer of the applicability of these Additional Labor Charges.

**9.2.1 Overtime Installation**

Overtime installation is that Company installation effort outside of normally scheduled working hours.

**9.2.2 Overtime Repair**

Overtime repair is that Company effort performed outside of normally scheduled working hours.

**9.2.3 Stand by**

Stand by includes all time in excess of one-half (1/2) hour during which Company personnel stand by to make installation acceptance tests or cooperative tests with a Customer to verify facility repair on a given service.

**9.2.4 Testing and Maintenance with Other Companies**

Additional testing, maintenance or repair of facilities which connect other Telephone Companies is that which is in addition to the normal effort required to test, maintain or repair facilities provided solely by the Company.

**INTERSTATE DOMESTIC ACCESS SERVICES**

**9. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS SERVICES (Cont'd)**

**9.2 Additional Labor (Cont'd)**

**9.2.5 Other Labor**

Other labor is that additional labor not included in Sections 9.2.1 through 9.2.4 preceding and labor incurred to accommodate a specific Customer request that involves only labor which is not covered by any other Section of this Tariff.

**9.3 Miscellaneous Services**

**9.3.1 Testing Services**

Testing Services offered under this Section of the Tariff are optional and subject to rates and charges as set forth in Section 16. Should a Company employee be called out at a time not consecutive with the employee's scheduled work period the Customer is subject to a minimum charge of four (4) hours. Other testing services, as described in Sections 5.2.2 and 6.7 preceding, are provided by the Company in association with Access Services and are furnished at no additional charge.

Testing Services are normally provided by Company personnel at Company locations. However, provisions are made in paragraph B.2. following for a Customer to request Company personnel to perform Testing Services at the Customer designated premise.

The offering of Testing Services under this Section of the Tariff is made subject to the availability of the necessary qualified personnel and test equipment at the various test locations mentioned in paragraphs A. and B. following.

## INTERSTATE DOMESTIC ACCESS SERVICES

### 9. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS SERVICES (Cont'd)

#### 9.3 Miscellaneous Services (Cont'd)

##### 9.3.1 Testing Services (Cont'd)

##### Switched Access Service

Testing Services for Switched Access Service are comprised of (a) tests which are performed during the installation of Switched Access Service, i.e., acceptance tests, (b) tests which are performed after Customer acceptance of such access services and which are without charge i.e., routine testing and (c) additional tests which are performed during or after Customer acceptance of such Switched Access Services and for which additional charges apply, i.e., additional cooperative acceptance tests and in-service tests.

Routine tests are those tests performed by the Company on a regular basis, as set forth in Section 5.2.2 preceding which are required to maintain Switched Access Service. Additional in-service tests may be done on an automatic basis (no Company or Customer technicians involved), on a manual basis (Company technician(s) involved at Company office(s) and Company or Customer technician(s) involved at the Customer designated premise).

Testing Services are ordered to the end office for FGD. Testing Services for Directory Assistance Service not routed through an access tandem is ordered to a Directory Assistance Location for each NPA.

**INTERSTATE DOMESTIC ACCESS SERVICES****9. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS SERVICES (Cont'd)****9.3 Miscellaneous Services (Cont'd)****9.3.1 Testing Services (Cont'd)****Switched Access Service (Cont'd)****A. Additional Cooperative Acceptance Testing**

Additional cooperative acceptance testing of Switched Access Service involves the Company provision of a technician at its office(s) and the Customer provision of a technician at its premise, with suitable test equipment to perform the required tests.

Additional cooperative acceptance tests may, for example, consist of the following tests:

- Impulse Noise
- Phase Jitter
- Signal to C-Notched Noise Ratio
- Intermodulation (Nonlinear) Distortion
- Frequency Shift (Offset)
- Envelope Delay Distortion
- Dial Pulse Percent Break

**B. Additional Automatic Testing**

Additional automatic testing of Switched Access Services is a testing where the Customer provides remote office test lines and 105 test lines with associated responders or their functional equivalent. The Customer may order, at additional charges, gain-slope and C-notched noise testing and may order the routine tests (1004 Hz loss, C-Message Noise and Balance) on an as needed or more than routine schedule.

The Company will provide a report that lists the test results for each trunk tested. Trunk test failures requiring Customer participation for trouble resolution will be provided to the Customer on a per occurrence basis.

The additional tests, (i.e., gain slope, C- notched noise, 1004 Hz loss, C-message noise and balance) may be ordered by the Customer at additional charges, sixty (60) days prior to the start of the Customer prescribed schedule.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****9. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS SERVICES (Cont'd)****9.3 Miscellaneous Services (Cont'd)****9.3.1 Testing Services (Cont'd)****Switched Access Service (Cont'd)****C. Additional Manual Testing**

Additional manual testing of Switched Access Services (FGD and Directory Access Service not routed through an access tandem), is testing where the Company provides a technician at its office(s) and the Company or Customer provides a technician at the Customer designated premise, with suitable test equipment to perform the required tests. Such additional tests will normally consist of gain-slope and C-notched noise testing. However, the Company will conduct any additional tests the Customer may request.

The Company will provide a report listing the test results for each trunk tested. Trunk test failures requiring Customer participation for trouble resolution will be provided to the Customer on a per occurrence basis.

Additional manual tests may be ordered by the Customer at additional charges, sixty (60) days prior to the start of the testing schedule as mutually agreed to by the Customer and the Company.

**D. Obligations of the Customer**

1. The Customer shall provide the remote office test line priming data to the Company, as appropriate, to support routine testing as set forth in Section 5.2.2 B. preceding.
2. The Customer shall make the facilities to be tested available to the Company at times mutually agreed upon.

**E. Special Access Service**

The Company will provide assistance in performing specific tests requested by the Customer.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES**

**9. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS SERVICES (Cont'd)**

**9.3 Miscellaneous Services (Cont'd)**

**9.3.2 Maintenance of Service**

Should a Customer report trouble to the Company for clearance and no trouble is found in the Company's facilities, the Customer shall be responsible for payment of the Maintenance of Service Charge for the period of time from when Company personnel are dispatched, at the request of the Customer, to the Customer designated premise to when the work is completed. Failure of Company personnel to find trouble in Company facilities will result in no charge if the trouble is actually in those facilities, but not discovered at the time.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES**

**9. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS SERVICES (Cont'd)**

**9.3 Miscellaneous Services (Cont'd)**

**9.3.2 Maintenance of Service (Cont'd)**

The Customer shall be responsible for payment of the Maintenance of Service Charge when the Company dispatches personnel to the Customer designated premise, and the trouble is in equipment or communications systems provided by other than the Company or in detariffed Customer premise equipment provided by the Company.

No credit allowance will be applicable for the interruption involved if the Maintenance of Service Charge applies.

**9.3.3 Telecommunications Service Priority - TSP**

Priority installation and/or restoration of National Security Emergency Preparedness (NSEP) Telecommunications Services shall be provided in accordance with Part 64.401, Appendix A, of the Federal Communications Commission's (FCC's) Rules and Regulations.

In addition, TSP System Service shall be provided in accordance with the guidelines set forth in "Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service Vendor Handbook" (NCSH 3-1-2) dated July 9, 1990, and "Telecommunications Service Priority System for National Security Emergency Preparedness Service User Manual" (NCSM 3-1-1) .



## INTERSTATE DOMESTIC ACCESS SERVICES

### 9. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS SERVICES (Cont'd)

#### 9.3 Miscellaneous Services (Cont'd)

##### 9.3.3 Telecommunications Service Priority - TSP (Cont'd)

The TSP System is a service, developed to meet the requirements of the Federal Government, as specified in the Service Vendor's Handbook and Service User's Manual which provides the regulatory, administrative and operational framework for the priority installation and/or restoration of NSEP telecommunications services. These include both Switched and Special Access Services. The TSP System applies only to NSEP Telecommunications Services, and requires and authorizes priority action by the Company providing such services.

For Switched Access Service, the TSP System's applicability is limited to those services the Company can discreetly identify for priority provisioning and/or restoration.

A Telecommunications Service Priority Charge applies when a request to provide or change a Telecommunications Service Priority is received subsequent to the issuance of an access order to install the service.

Additionally, a Miscellaneous Service Order Charge will apply to Telecommunications Service Priority requests that are ordered subsequent to the initial installation of the associated access service.

A Telecommunications Service Priority Charge does not apply when a Telecommunications Service Priority is discontinued or when ordered coincident with an access order to install or change service.

In addition, Additional Labor rates may be applicable when provisioning or restoring Switched or Special Access Services with Telecommunications Service Priority.

When the Customer requests an audit or a reconciliation of the Company's Telecommunications Service Priority records, a Miscellaneous Service Order Charge and Additional Labor rates are applicable.

**INTERSTATE DOMESTIC ACCESS SERVICES****9. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS SERVICES (Cont'd)****9.3 Miscellaneous Services (Cont'd)****9.3.4 Billing Name and Address (BNA) Service**

Billing Name and Address service is the provision by the Company, to an intrastate or interstate service provider who is a customer of the Company, of the complete billing name, street address, city or town, state and zip code for a telephone number. The service is offered to an intrastate or interstate service provider who is an interexchange carrier, an operator service provider, an enhanced service provider or any provider of telecommunications services. BNA service is supplied only to allow customers to bill their end users for telephone services they provide. BNA information may not be resold or used for any other purpose including, but not limited to, marketing or merchandising activities. BNA information shall be treated as confidential by the customer.

BNA information will be provided for listed/published telephone numbers. Requests for non-published and unlisted telephone numbers will be provided, unless the subscriber of a non-published or unlisted telephone number has affirmatively requested that its BNA not be disclosed.

BNA requests will be received via facsimile only. Unless the requested telephone number is non-published or unlisted, responses will be returned via facsimile to the customer within thirty (30) days of receipt of the initial request. In the event the requested telephone number is non-published or unlisted, pursuant to the FCC's December 7, 1994 BNA Order, the Company will send a letter via the United States Postal Service, to the end user informing him that they may prevent BNA disclosure. The Company must allow thirty (30) days for the unlisted and non-published subscribers to return their written non-disclosure authorization. In the event the subscriber does not return this non-disclosure within this time period, the BNA information will be released to the customer.

**RATES & CHARGES FOR BNA SERVICE**

For each order for BNA information received by the Company, a BNA order charge applies. In addition, a charge applies for each customer specific record provided.

A. BNA Order Charge	\$50.94
B. BNA charge per record	\$0.33

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

## INTERSTATE DOMESTIC ACCESS SERVICES

### 9. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS SERVICES (Cont'd)

#### 9.3 Miscellaneous Services (Cont'd)

##### 9.3.5 End User Access Services

The Company will provide End User Access Service to end users who obtain local telephone exchange service from the Company under its General Subscriber Service Tariff. End User access services provides for the use of a Subscriber Line.

##### 9.3.5.1 Limitations:

- A. A telephone number is not provided with End User Access Service.
- B. Detail billing is not provided with End User Access Service.
- C. Directory listings are not included with End User Access Service.
- D. Intercept arrangements are not included with End User Access Service

##### 9.3.5.2 Undertaking of the Company

The Company will provide End User Access Service at rates set forth in Section 9.3.5.4 following, as follows:

- A. Use of a Subscriber Line by an end user in connection with interstate access services provided under this Tariff. Such use will be provided when the end user obtains local exchange service.

##### 9.3.5.3 Rate Regulations

- A. End User Access Service, Federal Universal Service Charges and Local Number Portability End User Charges as set forth in 9.3.5.4 following, will be billed to the end user subscriber of the associated local exchange service.
- B. When an end user is provided more than one local business exchange service in a state by the Company and when a local business exchange service is provided as a multiparty service under the General Subscriber Services Tariff, each party is deemed to be a user of a Subscriber Line and the Subscriber Line Charge for Network Access – Multi-line business rate will apply to each such party.

**INTERSTATE DOMESTIC ACCESS SERVICES****9. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS SERVICES (Cont'd)****9.3 Miscellaneous Services (Cont'd)****9.3.5 End User Access Services (Cont'd)****9.3.5.3 Rate Regulations (Cont'd)**

- C. When a payphone service provider is provided a pay telephone line the Subscriber Line Charge for Network Access – Multi-line business rate will apply.
- D. A Federal Universal Service charge will be assessed to end user customer at the rates set forth in 9.3.5.4 following.

**9.3.5.4 Rates****A. Subscriber Line Charge for Network Access****1. Primary Residential Local Exchange Line, each**

Alabama – Zone 1	\$6.50
Alabama – Zone 2	\$6.50
Florida – Zone 1	\$6.50
Florida – Zone 2	\$6.50
Georgia	\$6.50
South Carolina	\$6.50
Tennessee	\$6.50

**2. Additional Residential Local Exchange Line, each**

Alabama – Zone 1	\$6.95
Alabama – Zone 2	\$6.95
Florida – Zone 1	\$6.95
Florida – Zone 2	\$6.95
Georgia	\$6.95
South Carolina	\$6.95
Tennessee	\$6.95

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****9. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS SERVICES (Cont'd)****9.3 Miscellaneous Services (Cont'd)****9.3.5 End User Access Services (Cont'd)****9.3.5.4 Rates (Cont'd)****A. Subscriber Line Charge for Network Access (Cont'd)****3. Single Line Business Local Exchange Line, each**

Alabama – Zone 1	\$6.50
Alabama – Zone 2	\$6.50
Florida – Zone 1	\$6.50
Florida – Zone 2	\$6.50
Georgia	\$6.50
South Carolina	\$6.50
Tennessee	\$6.50

**4. Multi-line Business Local Exchange Line, each**

Alabama – Zone 1	\$7.13
Alabama – Zone 2	\$7.13
Florida – Zone 1	\$6.76
Florida – Zone 2	\$8.98
Georgia	\$6.50
South Carolina	\$6.50
Tennessee	\$6.50

**B. Federal Universal Service Charge**

A Federal Universal Service charge will be assessed to end user customer at the billing account level. The charge will be determined monthly by multiplying the current quarterly Universal Service Fund (USF) contribution factor as released by the Federal Communications Commission, by the end user customer's monthly billing for interstate calls, international calls and subscriber line charge for network access. Additionally the Company may change the application of this service charge in accordance with any future rulings from the Federal Communications Commission.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****9. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS SERVICES (Cont'd)****9.3 Miscellaneous Services (Cont'd)****9.3.6 Secondary Service Order Charge**

The Secondary Service Order Charge (also known as the Carrier Service Order Charge) applies per customer request for the receiving, recording, and processing of customer request to change services or add new or additional services. The Secondary Service order charge will also apply when a carrier submits a Local Service Request (LSR) to switch a customer's local service from the Company to the requesting carrier. This charge applies when LSR rates have not been established pursuant to an interconnection agreement between the Company and the requesting carrier.

**Rates:**

Applies per customer request	Residential	Business
(a) Each	\$15.00	\$15.00

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES**

**10. RESERVED FOR FUTURE USE**

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES**

**11. RESERVED FOR FUTURE USE**

Issued: January 19, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

Effective: January 20, 2012



**INTERSTATE DOMESTIC ACCESS SERVICES**

**12. RESERVED FOR FUTURE USE**

Issued: January 19, 2012  
Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

Effective: January 20, 2012

**INTERSTATE DOMESTIC ACCESS SERVICES**

**13. RESERVED FOR FUTURE USE**

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES**

**14. RESERVED FOR FUTURE USE**

Issued: January 19, 2012  
Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

Effective: January 20, 2012

**INTERSTATE DOMESTIC ACCESS SERVICES**

**15. RESERVED FOR FUTURE USE**

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****16. RATES AND CHARGES****16.1 Common Line Access Service****16.1.1 Carrier Common Line Access Service****Premium Access****Terminating Per Access Minute**

Alabama – Zone 1	\$0.0000000
Alabama – Zone 2	\$0.0000000
Florida – Zone 1	\$0.0000000
Florida – Zone 2	\$0.0000000
Georgia	\$0.0000000
South Carolina	\$0.0000000
Tennessee	\$0.0000000

**Originating Per Access Minute**

Alabama – Zone 1	\$0.0000000
Alabama – Zone 2	\$0.0036375
Florida – Zone 1	\$0.0000000
Florida – Zone 2	\$0.0000000
Georgia	\$0.0000000
South Carolina	\$0.0000000
Tennessee	\$0.0000000

**16.2 Switched Access Service****16.2.1 Non-recurring Charges****Rate****A. Local Transport - Installation  
Per Entrance Facility****First**

Voice Grade Two Wire	\$161.00
Voice Grade Four Wire	\$161.00
High Capacity DS1	\$181.00
High Capacity DS3	\$499.00

**B. FGD Conversion of Multifrequency Address Signaling to SS7 Signaling  
or SS7 Signaling to Multifrequency Address Signaling**

Per 24 Trunks Converted  
or Fraction thereof on  
a Per Order Basis

\$ 260.00

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****16. RATES AND CHARGES (Cont'd)****16.2 Switched Access Service (Cont'd)****16.2.1 Non-recurring Charges (Cont'd)****C. Direct Trunked Transport Activated**

Per 24 Trunks Activated or Fraction thereof, on a Per Order Basis	\$ 249.00
---	-----------

**D. Interim NXX Translation**

Per Order	\$ 81.00
-----------	----------

**E. Flexible Automatic Number Identification**

Per End Office, Per CIC	\$ 0.00
-------------------------	---------

**F. Local Transport – Installation  
Per Line or Trunk**

First	Additional
\$915.00	\$100.00

**16.2.2 Local Transport****Premium Access****A. Entrance Facility  
Per Termination**

<u>Rate</u>	<u>NRC</u>
-------------	------------

Voice Grade Two Wire	\$ 35.09	\$161.00
Voice Grade Four Wire	\$ 56.14	\$161.00
High Capacity DS1	\$ 176.82	\$181.00
High Capacity DS3	\$ 2051.19	\$499.00

**B. Direct Trunked Transport  
Direct Trunked Facility**

Per Mile	
Voice Grade	\$ 2.50
High Capacity DS1	\$ 19.14
High Capacity DS3	\$ 131.77

**C. Direct Trunked Termination  
Per Termination**

Voice Grade	\$ 25.11
High Capacity DS1	\$ 94.38
High Capacity DS3	\$ 525.64

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****16. RATES AND CHARGES (Cont'd)****16.2 Switched Access Service (Cont'd)****16.2.2 Local Transport (Cont'd)**

D.	<u>Multiplexing</u>	
	Per Arrangement	
	DS3 to DS1	\$ 474.31
	DS1 to Voice	\$ 183.12
E.	<u>Tandem Switched Transport Tandem Switched Facility</u>	
	Per Access Minute Per Mile	
	Alabama – Zone 1	\$0.0000200
	Alabama – Zone 2	\$0.0000121
	Florida – Zone 1	\$0.0000200
	Florida – Zone 2	\$0.0000020
	Georgia	\$0.0000200
	South Carolina	\$0.0000200
	Tennessee	\$0.0000200
	<u>Tandem Switched Termination</u>	
	Per Access Minute Per Termination	
	Alabama – Zone 1	\$0.0001680
	Alabama – Zone 2	\$0.0000349
	Florida – Zone 1	\$0.0001680
	Florida – Zone 2	\$0.0000000
	Georgia	\$0.0001680
	South Carolina	\$0.0001680
	Tennessee	\$0.0001680
G.	<u>Tandem Switching</u>	
	Per Access Minute Per Tandem	
	Alabama – Zone 1	\$0.0011450
	Alabama – Zone 2	\$0.0003558
	Florida – Zone 1	\$0.0011450
	Florida – Zone 2	\$0.0024375
	Georgia	\$0.0011450
	South Carolina	\$0.0011450
	Tennessee	\$0.0011450
	<u>Transport Interconnection Charge</u>	\$ 0.000000
	Per Access Minutes sued:	

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
 1241 O.G. Skinner Drive  
 West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****16. RATES AND CHARGES (Cont'd)****16.2 Switched Access Service (Cont'd)****16.2.2 Local Transport (Cont'd)**

I.	<u>Signaling Network Access Link</u>	<u>Rate</u>
	Signaling Mileage Facility per mile	\$ 3.96
	Signaling Mileage Termination per Termination	\$ 39.79
	Signaling Entrance Facility Per Facility	\$ 64.75
	Signaling Entrance Facility per Facility	\$ 177.00
	STP Port per port	\$ 455.00
J.	<u>800 Series Data Base Access Service Queries</u>	
	Per Query	
	Basic	
	Alabama – Zone 1	\$0.0042100
	Alabama – Zone 2	\$0.0096370
	Florida – Zone 1	\$0.0042100
	Florida – Zone 2	\$0.0075179
	Georgia	\$0.0042100
	South Carolina	\$0.0042100
	Tennessee	\$0.0042100
	Vertical	
	Alabama – Zone 1	\$0.0042960
	Alabama – Zone 2	\$0.0096370
	Florida – Zone 1	\$0.0042960
	Florida – Zone 2	\$0.0075179
	Georgia	\$0.0042960
	South Carolina	\$0.0042960
	Tennessee	\$0.0042960

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833



**INTERSTATE DOMESTIC ACCESS SERVICES****16. RATES AND CHARGES (Cont'd)****16.2 Switched Access Service (Cont'd)****16.2.3 End Office****A. Local Switching**

Alabama – Zone 1	\$0.0020890
Alabama – Zone 2	\$0.0016401
Florida – Zone 1	\$0.0020890
Florida – Zone 2	\$0.0023351
Georgia	\$0.0020890
South Carolina	\$0.0020890
Tennessee	\$0.0020890

B. Shared Trunk Port \$0.0003893

**C. Information Surcharge**

Premium Per 100 Access Minutes \$0.000000

**16.2.4 Operator Transfer Service**

	<u>Rate</u>
Per Call Transferred	\$ 0.4588

**16.3 Special Access Service****16.3.1 Voice Grade Service**

	<u>Monthly Rate</u>	<u>Non-recurring Charge</u>
A. Channel Termination Per Termination **		
- Two-Wire	\$ 35.09	\$ 161.00
- Four-Wire	\$ 56.14	\$ 161.00
B. Channel Mileage **		
1. Channel Mileage Facility Per Mile	\$ 2.50	
2. Channel Mileage Termination Per Termination	\$ 25.11	

\*\* An additional Channel Termination Charge will apply when a spare channel is configured as a leg to the Customer designated premise. Additional Channel Mileage Charges will also apply when the service is not located in the Customer designated premise serving wire center.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****16. RATES AND CHARGES (Cont'd)****16.3 Special Access Service (Cont'd)****16.3.1 Voice Grade Service (Cont'd)****C. Optional Features and Functions****1. Bridging****(a) Voice Bridging Per Port**

- Two-Wire	\$ 6.50
- Four-Wire	\$ 6.50

**(b) Data Bridging Per Port**

- Two-Wire	\$ 6.50
- Four-Wire	\$ 6.50

**2. Conditioning Per Termination**

- C Type	\$ 7.20
----------	---------

**3. Improved Return Loss for  
Effective Two-Wire or  
Four-Wire Transmission**

- Two-Wire	\$ 12.80
- Four-Wire	\$ 12.80

**4. Customer Specified Receive  
Level per two-wire termination**

\$ 8.80

**5. Signaling Capability  
Per Termination**

\$ 12.95

**6. Selective Signaling Arrangement  
Per arrangement**

\$6.50

**7. Loop Transfer Arrangement  
Per four port arrangement including  
Control channel termination**

\$3.13

**8. Data Capability  
Per termination**

\$4.95

**9. Surcharge for Voice Grade Equipment**

\$25.00

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****16. RATES AND CHARGES (Cont'd)****16.3 Special Access Service (Cont'd)****16.3.2 Digital Data Service****A. Channel Termination \*\*  
Per Termination**

	<u>Monthly Rate</u>	<u>Non-recurring Charge</u>
- 2.4 kbps	\$ 64.75	\$ 177.00
- 4.8 kbps	\$ 64.75	\$ 177.00
- 9.6 kbps	\$ 64.75	\$ 177.00
- 19.2 kbps	\$ 64.75	\$ 177.00
- 56.0 kbps	\$ 64.75	\$ 177.00
- 64.0 kbps	\$ 64.75	\$ 177.00

**B. Channel Mileage \*\*****1. Channel Mileage Facility  
Per Mile**Monthly Rate

- 2.4 kbps	\$ 2.38
- 4.8 kbps	\$ 2.38
- 9.6 kbps	\$ 2.38
-19.2 kbps	\$ 2.38
-56.0 kbps	\$ 3.96
-64.0 kbps	\$ 3.96

**2. Channel Mileage Termination  
Per Termination**Monthly  
Rate

- 2.4 kbps	\$ 23.86
- 4.8 kbps	\$ 23.86
- 9.6 kbps	\$ 23.86
-19.2 kbps	\$ 23.86
-56.0 kbps	\$ 39.79
-64.0 kbps	\$ 39.79

\*\* An additional Channel Termination Charge will apply when a spare channel is configured as a leg to the Customer designated premise. Additional Channel Mileage Charges will also apply when the service is not located in the Customer designated premise serving wire center.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****16. RATES AND CHARGES** (Cont'd)16.3 Special Access Service (Cont'd)16.3.2 Digital Data Service (Cont'd)

	Monthly Rate
C. Optional Features and Functions	
1. Bridging Per Port	\$ 7.85
2. Loop transfer arrangement Per four port arrangement	\$6.21

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****16. RATES AND CHARGES (Cont'd)****16.3. Special Access Service (Cont'd)****16.3.3 High Capacity Service**

			<u>Monthly Rate</u>	<u>Non-recurring Charge</u>
<b>A. Channel Termination Per Termination</b>				
-	DS1	1.544 Mbps	\$ 176.82	\$ 181.00
-	DS3	44.736 Mbps	\$ 2051.19	\$ 499.00
<b>B. Channel Mileage</b>				
			<u>Monthly Rate</u>	
1.	Channel Mileage Facility Per Mile			
	-	1.544 Mbps	\$ 19.14	
	-	44.736 Mbps	\$ 131.77	
2.	Channel Mileage Termination Per Termination			
	-	1.544 Mbps	\$ 94.38	
	-	44.736 Mbps	\$ 525.64	
<b>C. Optional Features and Functions</b>				
			<u>Monthly Rate</u>	
1.	Multiplexing, per arrangement			
		DS3 to DS1	\$ 474.31	
		DS1 to Voice	\$ 183.12	
2.	Transfer Arrangement ** Per four port arrangement including control channel termination		\$ 172.20	
3.	Automatic Loop transfer Per arrangement		\$158.00	

\*\* An additional Local Channel charge will apply whenever the spare line is provided as a leg to the Customer premise.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****16. RATES AND CHARGES (Cont'd)****16.4 Other Services****16.4.1 Access Ordering****Charge****A. Access Order Charge  
Per Order****\$ 81.00****B. Service Date Change Charge**

A Service Date Change Charge will apply, on a per order per occurrence basis, for each service date changed. The Access Order Charge as specified in 17.4.1.A. preceding does not apply. The applicable charge is:

Service Date Change Charge, per order \$ 34.00

**C. Design Change Charge**

The Design Change Charge will apply on a per order per occurrence basis, for each order requiring design change. The applicable charge is:

Design Change Charge, per order \$ 34.00

**D. Miscellaneous Service Order Charge**

Per Occurrence \$ 34.00

**E. Expedited Order Charge**

Per Occurrence \$ 50.00

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****16. RATES AND CHARGES (Cont'd)****16.4 Other Services (Cont'd)****16.4.2 Additional Engineering**

<u>Additional Engineering Periods</u>	<u>First Half Hour or Fraction Thereof</u>
A. Basic Time per engineer normally scheduled working hours	\$ 19.91
B. Overtime per engineer outside of normally scheduled working hours	\$ 29.86
C. Premium Time outside of scheduled work day, per engineer	\$ 39.82

These labor charges are applicable for the following:

Additional Cooperative Acceptance testing  
Additional Manual Testing  
Maintenance of Service

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****16. RATES AND CHARGES (Cont'd)****16.4 Other Services (Cont'd)****16.4.3 Additional Labor**

<u>Additional Labor</u> <u>Periods</u>	First Half Hour or	<u>Fraction</u> <u>Thereof</u>
---	-----------------------	-----------------------------------

**A. Installation or Repair \***

Overtime, outside of normally scheduled working hours on a scheduled work day, per technician	\$ 28.12
--	----------

Premium Time, outside of scheduled work day, per technician	\$ 37.49
--	----------

**B. Stand by \***

Basic time, normally scheduled working hours, per technician	\$ 18.93
---	----------

Overtime, outside of normally scheduled working hours on a scheduled work day, per technician	\$ 28.39
--	----------

Premium Time, outside of scheduled work day, per technician	\$ 37.85
--	----------

\* A call-out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four (4) hours.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833



**INTERSTATE DOMESTIC ACCESS SERVICES****16. RATES AND CHARGES (Cont'd)****16.4 Other Services (Cont'd)****16.4.3 Additional Labor (Cont'd)**

<u>Additional Labor Periods *</u>	<u>First Half Hour or Fraction Thereof</u>
C. Testing and Maintenance with other Telephone Companies, or Other Labor	
- Basic Time per technician normally scheduled working hours	\$ 19.67
- Overtime per technician outside of normally scheduled working hours on a scheduled work day	\$ 29.50
- Premium Time per technician outside of scheduled work day	\$ 39.33

\* A call-out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four (4) hours.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES****16. RATES AND CHARGES (Cont'd)****16.4 Other Services (Cont'd)****16.4.4 Miscellaneous Services****A. Additional Automatic Testing - Switched Access**To First Point  
of SwitchingRate

Additional Per Test Per Path                      \$ 2.89

**B. Additional Cooperative Acceptance Testing - Special Access \***

See "Rates for Additional Labor" as set forth in 16.4.3.C. preceding.

**C. Telecommunications Service Priority**Non-recurring Charge

Per Service Arranged                      \$ 54.63

**D. Unauthorized PIC Change**Residence/Business                      \$ 35.65  
Per Telephone Exchange  
Service line or trunkPublic/Semi-Public                      \$ 57.57  
Pay Telephone Line

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES**

**16. RATES AND CHARGES (Cont'd)**

16.4	<u>Other Services</u> (Cont'd)	<u>Rate</u>
16.4.5	<u>Special Facilities Routing of Access Services</u>	
A.	Diversity	ICB
B.	Avoidance	ICB
C.	Diversity and Avoidance Combined	ICB

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833

**INTERSTATE DOMESTIC ACCESS SERVICES**

**16. RATES AND CHARGES (Cont'd)**

16.4	<u>Other Services</u> (Cont'd)	<u>Rate</u>
------	--------------------------------	-------------

16.4.6	<u>Specialized Service or Arrangements</u>	ICB
--------	--	-----

Specialized Service or Arrangements are provided on an individual case basis.

Issued: January 19, 2012

Effective: January 20, 2012

Issued by:

Knology, Inc.  
1241 O.G. Skinner Drive  
West Point, Georgia 31833