

Competitive Access Services Tariff

Cause No. PUD 200500456  
Order No. 514693  
Tracking No.

2nd Revised Sheet 1  
Replacing 1st Revised Sheet 1

COMPETITIVE ACCESS SERVICES

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COMPETITIVE ACCESS SERVICES

4. COMPETITIVE ACCESS SERVICES

4.1 General

This tariff provides Voice Grade services, MegaLink Data Services (56 Kbps) and High Capacity Services (1.544 Mbps and 44.736 Mbps).

Competitive Access Service provides a transmission path to connect the demarcation point at the customer premises either directly or through a telephone company central office.

The connections can be analog or digital. Analog connections are differentiated by spectrum and bandwidth. Digital connections are differentiated by bit rate.

4.1.1 Channel Types

There are three types of access channels used to provide Competitive Access Services. All are subdivided by one or more of the following:

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

The following is a brief description of each channel type:

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

MegaLink Data (DA) - a channel for the digital transmission of synchronous serial data at a rate of 56 Kbps.

High Capacity (HC) - a channel for the transmission of isochronous serial digital data at rates of 1.544 or 44.736 Mbps.

COMPETITIVE ACCESS SERVICES

4. COMPETITIVE ACCESS SERVICES (Continued)

4.1 General (Continued)

4.1.2 Rate Elements

A. Channel Termination

The channel termination provides the communications path between a customer premises and the serving office of that premises or for the communications path within a building which connects a customer's facilities with a customer designated premises without routing through the serving office. Included is a standard channel interface which defines the technical characteristics associated with the type of facilities to which the access service is to be connected and the type of signaling capability. The signaling capability is optional. One channel termination charge applies per customer premises at which the channel is terminated. This charge will apply even if the customer premises and the serving office are both located in the same building.

B. Channel Mileage

The channel mileage provides the transmission facilities between the serving wire centers of customer premises, between a serving office for a customer premises and a Company hub, or, between two Company hubs.

4.1.3 Acceptance Testing

At no additional charge, the Company will cooperatively test, at the time of installation, the following parameters:

- A. For voice grade services, acceptance tests will include loss, 3-tone slope, DC continuity, operational signaling, C-notched noise, and C-message noise when these parameters apply and specified in the order for service. Additionally, for voice grade services, a balance (improved loss) test will be made if the customer has ordered improved return loss or improved equal level echo path loss.
- B. For digital services, acceptance tests will include tests for the parameters applicable to the service the customer orders.

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4. COMPETITIVE ACCESS SERVICES (Continued)

4.2 Service Descriptions

4.2.1 Voice Grade Service

A. Basic Channel Description

A voice grade channel is in the nominal frequency range of 300 to 3000 Hz and may be terminated two-wire or four-wire. Voice grade channels are provided between customer premises or between a customer premises and a hub. When a single voice grade channel is ordered to be terminated at a customer's designated Interexchange Carrier's all digital POP which requires a minimum digital interface level of 1.544 Mbps, the Company will provide the required interface where facilities are available.

B. Technical Specifications Packages

Parameter	Package VG												
	C	1	2	3	4	5	6	7	8	9	10	11	12
Attenuation Distortion .....	X	X	X	X	X	X	X	X	X	X	X	X	X
C-Message Noise .....	X	X	X	X	X	X	X	X	X	X	X	X	X
Echo Control.....	X	X	X	X		X		X	X			X	X
Envelope Delay Distortion .....	X						X	X	X	X	X	X	X
Frequency Shift .....	X						X	X	X	X	X	X	X
Impulse Noise.....	X					X	X	X	X	X	X	X	X
Intermodulation Distortion .....	X						X	X	X	X	X	X	
Loss Deviation.....	X	X	X	X	X	X	X	X	X	X	X	X	X
Phase Hits, Gain Hits, and Dropouts	X												
Phase Jitter .....	X						X	X	X	X	X	X	
Signal-to-C-Message Noise .....					X								
Signal-to-C-Notch Noise.....	X					X	X	X	X	X	X	X	X

The technical specifications for these parameters (except for dropouts, gain hits, and phase hits) are in Technical Reference TR-TSY-000335. The technical specifications for dropouts, phase hits, and gain hits are in Technical Reference PUB 41004, Table 4.

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4. COMPETITIVE ACCESS SERVICES (Continued)

4.2. Service Descriptions (Continued)

4.2.2 MegaLink Data Service

A MegaLink digital data channel is a channel for full duplex transmission of synchronous serial data at the rate of 56 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 Company. Digital data channels are only available via hubs and are provided between customer premises or between a customer premises and a hub.

When a single MegaLink Data channel is ordered to be terminated at a customer's designated Interexchange Carrier's all-digital POP which requires a minimum digital interface level of 1.544 Mbps, the Company will provide the required interface where facilities are available.

The customer may provide their own channel service unit or other network channel terminating equipment associated with the digital data channel.

A. Technical Specifications Packages

<u>Parameter</u>	<u>Package DA</u>				
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
Error-Free Seconds .....	$\frac{1}{X}$	$\frac{2}{X}$	$\frac{3}{X}$	$\frac{4}{X}$	$\frac{5}{X}$

The Company will provide a channel capable of meeting a monthly average performance equal to or greater than 99.875% error-free seconds while the channel is in service, if it is measured through a channel service unit equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference PUB 62310.

Voltages which are compatible with digital data service are in Technical Reference TR-NPL-000341.

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COMPETITIVE ACCESS SERVICES

4. COMPETITIVE ACCESS SERVICES (Continued)

4.2 Service Descriptions (Continued)

4.2.3 High Capacity Service

A. Basic Channel Description

A high capacity channel is for the transmission of nominal 1.544 Mbps or 44.736 Mbps isochronous serial data. The actual bit rate is a function of the channel interface selected by the customer. The customer may provide the network channel terminating equipment associated with the high capacity channel at the customer's premises.

B. Technical Specifications Packages

<u>Parameters</u>	<u>Package HC</u>					
	<u>0</u>	<u>1</u>	<u>1C</u>	<u>2</u>	<u>3</u>	<u>4</u>
Error-Free Seconds .....			X			

A channel with technical specifications package HC1 will be capable of an error-free second performance of 98.75% over a continuous 24 hour period as measured at the 1.544 Mbps rate through a channel service unit which conforms with the specifications in Technical Reference PUB 62411.

4.3 Channel Interface And Network Channel Codes

The customer must specify the channel interface codes and network channel codes when ordering Competitive Access Service. Two interfaces are required if two-way transmission is desired.

Compatible channel interfaces are in Southwestern Bell Telephone Exchange Access InterLATA Carrier Coding Guide and Technical Reference TR-TSY-000335.

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COMPETITIVE ACCESS SERVICES

4. COMPETITIVE ACCESS SERVICES (Continued)

4.3 Channel Interface And Network Channel Codes (Continued)

4.3.1 Impedance

The nominal reference impedance with which the channel will be terminated for the purpose of evaluating transmission performance:

<u>Value (ohms)</u>	<u>Code(s)</u>
110	0
150	1
600	2
900	3(1)
135	5
75	6
124	7
Variable	8
100	9

4.4 Rate Regulations

4.4.1 Types of Rates and Charges

Service Rearrangements

All changes to existing services, except the addition of optional features, or functions having specific nonrecurring charges, or changes involving administrative activities only, will be treated as the discontinuance of the existing service and an installation of a new service. The nonrecurring charge for channel termination described in 4.5 following will apply for this work. Moves that change the physical location of the point of termination are described and charged for in 4.4.3.

- (1) For those interface codes with a 4-wire transmission path at the customer designated point of termination, rather than a standard 900 ohm impedance, the code 3 denotes a customer provided transmission equipment termination. Such terminations were provided to customers in accordance with the F.C.C. Docket No. 20099 Settlement Agreement.

COMPETITIVE ACCESS SERVICES

4. COMPETITIVE ACCESS SERVICES (Continued)

4.4 Rate Regulations (Continued)

4.4.1 Types of Rates and Charges (Continued)

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 premises address when the change of address is not a result of a physical relocation of equipment

Change in billing data (name, address, 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

Change of jurisdiction

4.4.2 Minimum Periods

The minimum service period for all services is 30 days.

4.4.3 Moves

Charges for moves will be negotiated with the customer.

The Company will move the network interface for its access services within a building provided the necessary facilities are available. Moves of wiring, jacks or terminations beyond the network interface are the responsibility of the customer.



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4. COMPETITIVE ACCESS SERVICES (Continued)

4.4 Rate Regulations (Continued)

4.4.4 Mileage Measurement

The mileage to be used to determine the monthly rate is calculated on the airline distance between the locations involved, (i.e., the serving office associated with a customer premises, a serving office associated with a customer premises and a Company hub, or two Company hubs.)

To determine the rate to be billed, first compute the mileage using the V&H coordinates method, as set forth in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4, then apply the rate shown in 4.5 (Rates and Charges). When the calculation results 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 of the channel mileage, (i.e., customer premises serving office to hub, hub to hub and/or hub to customer premises serving wire center). However, when a digital data service is routed through a hub for purposes other than customer specified bridging or multiplexing, (e.g., the Company chooses to route for test access purposes), rates will be applied only to the distance calculated between the serving office associated with the customer premises.

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4. COMPETITIVE ACCESS SERVICES (Continued)

4.5 Rates And Charges

4.5.1 Voice Grade Service

	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
			<u>1st CKT</u>	<u>Add'l CKT</u>
A. Channel Termination				
Per point of termination				
Two-Wire	XXXXX	\$25.00	\$166.00	\$116.00
Four-Wire	XXXXX	40.00	201.00	149.00
			<u>Monthly Rate</u>	
			<u>Fixed</u>	<u>Per Mile</u>
B. Channel Mileage				
Per Channel	XXXXX	17.46		1.12

4.5.2 MegaLink Data Service

	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
			<u>1st CKT</u>	<u>Add'l CKT</u>
A. Channel Termination				
MegaLink				
Per point of termination				
56.0 kbps	XXXXX	72.00	350.00	306.00
			<u>Monthly Rate</u>	
			<u>Fixed</u>	<u>Per Mile</u>
B. Channel Mileage				
MegaLink				
Per Channel				
56.0 kbps	XXXXX	45.00		.65

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4. COMPETITIVE ACCESS SERVICES (Continued)

4.5 Rates And Charges (Continued)

4.5.3 High Capacity Service

A. Channel Termination

	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
			<u>1st CKT</u>	<u>Add'l CKT</u>
Per point of termination				
1.544 Mbps .....	XXXXX	\$165.00	\$600.00	\$456.00
44.736 Mbps .....	XXXXX	(2)	(2)	(2)

B. Channel Mileage

	<u>USOC</u>	<u>Monthly Rate</u>	
		<u>Fixed</u>	<u>Per Mile</u>
Per Channel			
1.544 Mbps .....	XXXXX	\$50.00	\$16.80
44.736 Mbps .....	XXXXX	(2)	(2)

4.5.4 Individual Case Basis Arrangements

Customer specific contracts under Individual Case Basis (ICB) pricing is offered for business services that are unique because of size or configuration. Rates may be different than those specified for such services in this tariff. ICB rates will be offered to the customer in writing on a non-discriminatory basis. All ICB pricing will comply with Oklahoma Corporation Commission Rule OAC 165:55-5-10.3.

4.5.5 Special Construction

Special Construction will be provided under 3. Special construction is construction undertaken by the Company where facilities are not available and there is no other requirement for the facilities constructed; of a type facility other than that normally used for this service; over a route other than that which would normally be used; in a quantity greater than what the Company would normally construct for the needs of this service; on a temporary basis until permanent facilities are completed; involving abnormal costs; or in advance of normal construction on an expedited basis.

4.5.6 Promotions

The Company may, during limited promotional periods, offer end users special rate incentives. The Company shall notify the Director of the Public Utility Division (PUD) by letter specifying the services(s) offered, terms and conditions of the promotion, location and dates of each promotional period pursuant to Oklahoma Corporation Commission Rule OAC 165:55-5-10.2.

(2) Rates calculated on an individual case basis.