



July 9, 2015

Via Electronic Filing

Ms. Neysa Thomas
Acting Secretary
Kansas Corporation Commission
1500 SW Arrowhead Road
Topeka, KS 66604-4027

Dear Ms. Neysa Thomas:

United Telephone Companies of Kansas d/b/a CenturyLink has enclosed for filing revisions to its General Exchange Tariff.

The following revisions are included in this filing:

Section 26	1st Revised Sheet 2
	Original Sheet 2.1
	1st Revised Sheet 14
	Original Sheet 14.1
Section 28	1st Revised Sheet 2
	Original Sheet 2.1
	1st Revised Sheet 15

This filing grandfathers Asynchronous Transfer Mode (ATM) Service and Frame Relay Service. The equipment necessary to provide these services is no longer manufactured or supported by the vendor. Consequently, these services will no longer be provided on a month-to-month basis. Customers currently subscribed to the services under a term commitment period may retain service for the duration of the current term commitment period, but may discontinue the service at any time without incurring termination liability charges. Customers have been notified of the discontinuance of these services due to the equipment obsolescence and of their need to select alternative technologies.

In compliance with existing rules, we make this filing on 30 days advance notification, and anticipate an August 8, 2015, effective date. If you have any questions regarding this filing, you may contact me at (318) 360-2812.

Sincerely,

A handwritten signature in dark ink, appearing to read "Michelle Lyn Rivers".

Michelle "Chelle" Lyn Rivers

cc: John Idoux, Centurylink

KS 15-07 (UT)

MICHELLE "CHELLE" LYN RIVERS
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FRAME RELAY SERVICE

1. DESCRIPTION

Effective August 8, 2015, this service will no longer be available to new customers for new orders nor will new orders from existing customers be accepted (except to the extent permitted by a Term Discount Plan).

All existing customers may migrate to another company-provided service at any time without incurring nonrecurring or service charges. Termination Liability Charges will not apply if customers with a Term Discount Plan migrate to another company-provided service prior to expiration of the Term Discount Plan.

Existing customers will be grandfathered as follows:

- **As of August 8, 2015, month-to-month customers will no longer be able to subscribe to this service.**
- **Customers with a Term Discount Plan that expires after August 8, 2015, may retain their ATM Service covered by that Term Discount Plan until the expiration of that Term Discount Plan. Existing Term Discount Plans will not be renewed.**

- A. Frame Relay Service (FRS) is a fast packet network that permits the transmission of data at speeds of 56/64 Kbps, 128 Kbps, 256 Kbps, 384 Kbps, 512 Kbps, 1.544 MBPS, or 44.210 MBPS using Permanent Virtual Circuits (PVCs). Utilizing statistical multiplexing, the FRS network enables the customer to allocate circuit bandwidth to applications as needed, rather than assigning fixed channels to specific applications.
- B. Permanent Virtual Circuits (PVCs) are logical channels that connect ports on a frame relay switch or between frame relay switches. PVCs are end-to-end, bi-directional channels that are established and non-established via the service order process. Separate PVCs must be established to each location to which the customer desires to transmit data. PVC channels are virtual channels that are established in software tables and do not tie up facilities when not in use. With FRS, customers may select from three different classes of PVCs to ensure greater reliability for mission-critical applications in the event of network congestion. Multiple PVCs can be defined over a single Frame Relay Access Line (FRAL), thereby providing a single access line the capability to transmit data to multiple destinations.
- C. FRS requires the use of customer terminal equipment that functions as a multiplexer, bridger or router. This terminal equipment must be purchased separately from the FRS and must conform to Consultative Committee for International Telecommunication Union (ITU) and American National Standards Institute (ANSI) standards set forth in ITU: Q.933 Annex A, ANSI: T1.617 Annex D. The terminal equipment accumulates customer data and transfers it into a frame relay format suitable for transmission over the FRS network.

(M) Material previously appearing on this page can now be found on Original Sheet 2.1 of this Section.

FRAME RELAY SERVICE

1. DESCRIPTION (Continued)

- D. In the operation of FRS, Customer Premises Equipment (CPE), such as frame relay assemblers and disassemblers, encapsulate arriving data into variable length frames. The information contained in these frames is Data Link Connection Identifier (DLCI) addresses, which identifies the PVC in the network that should be used to forward the frame to its proper destination. The CPE then sends the frame into the FRS network over a dedicated access facility called a User Network Interface (UNI). The frame relay switch reads identifying information and routes the frame to the proper destination based on pre-established PVC.
- E. Variable frame length capability is useful in communications between asynchronous Local Area Networks (LAN) and for transport of synchronous data traffic. FRS is capable of handling the requirements of bursty data sources because of the ability of the service to allocate additional bandwidth when not in use by other sources.
- F. FRS is provided to the customer in the form of a FRAL, Frame Relay User Network Interface Port and the PVC.
- G. The actual throughput of aggregated PVC bandwidths in use at the same time on the same port cannot exceed the port speed.
- H. Since multiple PVCs may be defined on one physical port, it is possible for the cumulative Committed Information Rates (CIRs) to exceed the physical bandwidth of that port. This is referred to as oversubscription and when this occurs, there can be no guarantee that the CIR defined for that port and PVC will be available at any point in time.

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(M) Material now found on this page previously appeared on Original Sheet 2 of this Section.

FRAME RELAY SERVICE

8. RATES AND CHARGES

Effective August 8, 2015, month-to-month service is discontinued for all existing customers and is not available to new customers. Customers with an existing Term Discount Plan may retain their service until the expiration of that Term Discount Plan. Existing Term Discount Plans are not renewable.

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A. Frame Relay Access Line (FRAL) (includes Access Line and Port)

	<u>S&E Code</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
56 Kbps			
Month to month	FCEALTA	\$145.00	\$395.00
12-23 months	FCEALTA(F1Y)	130.00	295.00
24-35 months	FCEALTA(F2Y)	125.00	195.00
36-59 months	FCEALTA(F3Y)	120.00	0.00
60-84 months	FCEALTA(F5Y)	115.00	0.00
64 Kbps ⁽¹⁾			
Month to month	FCEALTC	150.00	445.00
12-23 months	FCEALTC(F1Y)	135.00	345.00
24-35 months	FCEALTC(F2Y)	130.00	245.00
36-59 months	FCEALTC(F3Y)	125.00	0.00
60-84 months	FCEALTC(F5Y)	120.00	0.00
128 Kbps			
Month to month	FCEALTD	246.00	495.00
12-23 months	FCEALTD(F1Y)	236.00	395.00
24-35 months	FCEALTD(F2Y)	254.00	295.00
36-59 months	FCEALTD(F3Y)	248.00	0.00
60-84 months	FCEALTD(F5Y)	215.00	0.00
256 Kbps			
Month to month	FCEALTE	305.00	525.00
12-23 months	FCEALTE(F1Y)	285.00	425.00
24-35 months	FCEALTE(F2Y)	280.00	325.00
36-59 months	FCEALTE(F3Y)	275.00	0.00
60-84 months	FCEALTE(F5Y)	265.00	0.00

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⁽¹⁾ 64 Kbps Clear Channel Capability is provided upon request where facilities are available.

(M) Material previously appearing on this page can now be found on Original Sheet 14.1 of this Section.

FRAME RELAY SERVICE

8. RATES AND CHARGES (Continued)

A. Frame Relay Access Line (FRAL) (includes Access Line and Port) (Continued)

	<u>S&E Code</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	(M)
384 Kbps				
Month to month	FCEALTF	375.00	550.00	
12-23 months	FCEALTF(F1Y)	355.00	450.00	
24-35 months	FCEALTF(F2Y)	345.00	350.00	
36-59 months	FCEALTF(F3Y)	335.00	0.00	
60-84 months	FCEALTF(F5Y)	325.00	0.00	
512 Kbps				
Month to month	FCEALTG	455.00	575.00	
12-23 months	FCEALTG(F1Y)	435.00	475.00	
24-35 months	FCEALTG(F2Y)	415.00	375.00	
36-59 months	FCEALTG(F3Y)	395.00	0.00	
60-84 months	FCEALTG(F5Y)	375.00	0.00	(M)

(M) Material now found on this page previously appeared on Original Sheet 14 of this Section.

ASYNCHRONOUS TRANSFER MODE (ATM) SERVICE

1. DESCRIPTION

Effective August 8, 2015, this service will no longer be available to new customers for new orders nor will new orders from existing customers be accepted (except to the extent permitted by a Term Discount Plan).

All existing customers may migrate to another company-provided service at any time without incurring nonrecurring or service charges. Termination Liability Charges will not apply if customers with a Term Discount Plan migrate to another company-provided service prior to expiration of the Term Discount Plan.

Existing customers will be grandfathered as follows:

- **As of August 8, 2015, month-to-month customers will no longer be able to subscribe to this service.**
- **Customers with a Term Discount Plan that expires after August 8, 2015 may retain their ATM Service covered by that Term Discount Plan until the expiration of that Term Discount Plan. Existing Term Discount Plans will not be renewed.**

A. Asynchronous Transfer Mode (ATM) Service is a connection-oriented fast packet local, intraLATA, and intrastate interLATA network service that permits the transmission of high speed data, voice, and video traffic utilizing cell switching technology. ATM is offered for local, intraLATA and intrastate interLATA use where Telephone Company facilities exist. ATM cells are fixed length cells that provide symmetrical or asymmetrical duplex transmissions. Utilizing statistical multiplexing, ATM Service enables customers to allocate circuit bandwidth to applications as needed on virtual paths or channels. ATM Service allows multiple communications applications to be transmitted within multiple paths or channels utilizing common fiber optic or copper facilities. ATM Service is primarily designed for businesses with multiple locations requiring the transport of data, voice, or video traffic among the sites. ATM Service allows for the interconnection of Customer Premises Equipment (CPE) that is ATM compatible.

B. Permanent Virtual Circuits (PVCs) are logical channels between the customer's premises and ports on an ATM switch or between ATM switches. PVCs are duplex channels that are established via the service order process. Separate PVCs must be established to each customer location at which the customer desires ATM Service. PVC channels are virtual channels that are established in software tables. Multiple PVCs can be defined over a single ATM User Network Interface (UNI), thereby providing a single access line with the capability to transmit data, voice, and video to multiple destinations simultaneously. A PVC can be set up as either a Virtual Path (VP) or a Virtual Channel (VC) type connection. A VP may contain multiple VCs, referred to as tunneling. Tunneling allows customers to establish VCs or end to end connections between the customer CPE, via VPs.

(M) Material previously appearing on this page can now be found on Original Sheet 2.1 of this Section

ASYNCHRONOUS TRANSFER MODE (ATM) SERVICE

1. DESCRIPTION (Continued)

- C. ATM Service requires the use of CPE that functions as a multiplexer, aggregator, concentrator, or router. This CPE must be purchased separately from the ATM Service and must conform to the Consultative Committee for International Telecommunication Union (ITU) Standards, ATM Forum Standards, and Telephone Company ATM CPE standards. Only Telephone Company standardized equipment may be connected to the ATM network. The CPE functions to accumulate customer data and transfers it into an ATM format suitable for transmission over the ATM Network.
- D. In the operation of ATM, the CPE captures arriving data into fixed-length ATM 53-byte cells. These cells contain a 48-byte cell user information segment, and a five-byte header containing a Virtual Path Identifier (VPI) and a Virtual Channel Identifier (VCI), identifying which PVC in the network should be used to forward the cell to the proper destination. The CPE sends the cells into the ATM Network over a dedicated access facility called an ATM Access Line that includes a UNI, which is a port on the ATM switch. The ATM switch, usually located in the Telephone Company central office, reads identifying header information and routes the cell to the proper destination based on a pre-established PVC, over a VP and/or VC.

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(M) Material now found on this page previously appeared on Original Sheet 2 of this Section.

ASYNCHRONOUS TRANSFER MODE (ATM) SERVICE

8. RATES AND CHARGES

Effective August 8, 2015, month-to-month service is discontinued for all existing customers and is not available to new customers. Customers with an existing Term Discount Plan may retain their service until the expiration of that Term Discount Plan. Existing Term Discount Plans are not renewable.

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A. ATM Access Line (ATM-AL) (includes Access Line and Port)

	<u>SAE Code</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
1.544 Mbps (DS1 UNI)			
Month to month	PUNIDS1(MTM)	\$ 650.00	\$ 700.00
12-23 months	PUNIDS1(1YR)	590.00	700.00
24-35 months	PUNIDS1(2YR)	580.00	700.00
36-59 months	PUNIDS1(3YR)	560.00	0.00
60-84 months	PUNIDS1(5YR)	525.00	0.00
*3 Mbps (2xDS1 UNI)			
Month to month	PUNI2DS(MTM)	1,025.00	800.00
12-23 months	PUNI2DS(1YR)	920.00	800.00
24-35 months	PUNI2DS(2YR)	880.00	800.00
36-59 months	PUNI2DS(3YR)	840.00	0.00
60-84 months	PUNI2DS(5YR)	790.00	0.00
*6 Mbps (4xDS1 UNI)			
Month to month	PUNI4DS(MTM)	2,295.00	900.00
12-23 months	PUNI4DS(1YR)	2,050.00	900.00
24-35 months	PUNI4DS(2YR)	1,985.00	900.00
36-59 months	PUNI4DS(3YR)	1,880.00	0.00
60-84 months	PUNI4DS(5YR)	1,770.00	0.00
*9 Mbps (6xDS1 UNI)			
Month to month	PUNI6DS(MTM)	3,395.00	1,000.00
12-23 months	PUNI6DS(1YR)	3,060.00	1,000.00
24-35 months	PUNI6DS(2YR)	2,935.00	1,000.00
36-59 months	PUNI6DS(3YR)	2,805.00	0.00
60-84 months	PUNI6DS(5YR)	2,645.00	0.00

* Where facilities are available