



221 E. Fourth St.  
P.O. Box 2301  
Cincinnati, Ohio 45201-2301

October 4, 2017

The Indiana Utility Regulatory Commission  
PNC Center  
101 West Washington Street  
Suite 1500 E  
Indianapolis, Indiana 46204

Enclosed for filing are updated tariff pages for Cincinnati Bell Any Distance (CBAD) ACCESS SERVICES TARIFF IURC NO. 1. This filing proposes to add a new service, Dedicated Optical Ethernet Service, in Section 11. This service is a stand-alone intrastate Ethernet service. This filing is being made under the Commission's administrative rules: Title 170 of the Indiana Administrative Code (170 IAC 1-6-3).

This filing replaces all previous filings made to introduce Section 11 to CBAD Tariff IURC No. 1 including, but not limited to, the September 1, 2017 instant mirroring filing.

CBAD also proposes changes to the "Application of Tariff" to more fully reflect the services offered under CBAD Tariff IURC No. 1.

Please direct questions to me. I can be reached at (513) 397-1231 or via email at [mike.bishop@cinbell.com](mailto:mike.bishop@cinbell.com).

Sincerely,

A handwritten signature in blue ink that reads "Michael E. Bishop".

Michael E. Bishop  
Senior Manager –Switched  
Services & Regulatory

Attachment

ACCESS SERVICE

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EXPLANATION OF SYMBOLS

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

PRINCIPAL OFFICE

CINCINNATI BELL ANY DISTANCE LLC's principal office is located at 221 East Fourth Street, Cincinnati, Ohio 45202. This tariff is available for public inspection at the above address during regular business hours.

APPLICATION OF TARIFF

- 1. This tariff contains regulations, rates and charges applicable to the Provision of switched access, special access and Ethernet services within the State Indiana. (T)  
(T)  
(T)

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11. Dedicated Optical Ethernet Service. (Cont'd)

(N)

11.1 General Description

(A) Basic Service Description

Dedicated Optical Ethernet Service is a service providing high bandwidth point to point connections utilizing an optical switch equipped network. Ethernet services are routed through a Dense Wave Division Multiplexing (DWDM) network using reconfigurable optical switches (ROADM) at core nodes within the network. Each service is routed transparently from point-to-point using individual DWDM wave lengths or a virtual optical transport network (OTN) facility.

The following regulations will apply to Dedicated Optical Ethernet Service:

- (1) Dedicated Optical Ethernet Service is available with a one-year minimum period, under 12-month, 24-month, 36-month, 48-month, 60-month and 84-month OPP as described in Section 7.4.9. When a service is discontinued prior to the expiration of the minimum period, termination charges are applicable for the remaining portion of the minimum period.
- (2) Installation will not begin until the customer has accepted the proposal by the Telephone Company.

(N)

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11. Dedicated Optical Ethernet Service (Cont'd)

(N)

11.1 General Description (Cont'd)

(B) Service Provisioning

(2) Manner of Provisioning

Point-to-Point Service provides an optically switched network with customer dedicated services. The network architecture is designed to provide increased reliability and functionality connecting multiple customer-designated locations and specified Telephone Company central Offices.

Customer provided equipment (CPE) must deliver the data signals for the Dedicated Optical Ethernet Service transport within the technical specifications for the subscribed data service. Technical specifications can be found in the Telcordia Technical Reference Publications and the following:

IEEE 802.3x  
ITU-TG.872/G.709

(3) Limitations

(a) When any additional services are added, such installations may cause a service interruption to existing unprotected services, or a protection switch on protected channels.

(b) Service protection will be available for all interface types.

(N)

ACCESS SERVICE

11. Dedicated Optical Ethernet Service (Cont'd)

(N)

11.1 General Description (Cont'd)

(B) Service Provisioning (Cont'd)

(4) Allowance for Service Interruptions

An interruption of service will start when an inoperative service is reported to the Telephone Company and end when the service is operative. In any month, as a result of an interruption, the total credit per rate element of the interrupted service may not exceed 100 percent of the monthly charge for that particular rate element as described in Section 2.4.4.

Any protected service interruptions greater than 2 consecutive seconds as a result of a failure on the protected circuit will result in a credit equal to one month's bill for the individual port-to-port connection involved. If the interruption occurs on an unprotected circuit, no credit shall be allowed for an interruption of less than thirty (30) minutes. The customer shall be credited for an interruption of 30 minutes or more at the rate of 1/1440 of the monthly charges for the facility or service for each period of 30 minutes or major fraction thereof that the interruption continues.

The minimum configuration would be two ports either at a serving wire center or at a customer premises site.

A combination of these configurations may be used in a network design depending on the customer's traffic pattern.

Dedicated Optical Ethernet Service configuration would be a port or ports at a customer premise site connecting through a Company central office to another customer premise site.

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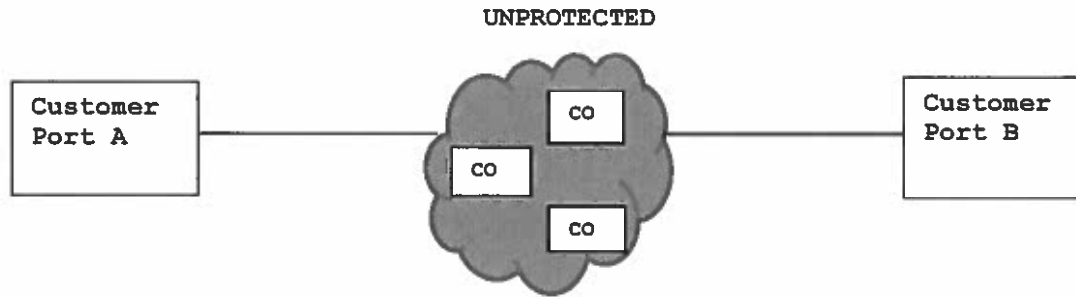
11. Dedicated Optical Ethernet Service (Cont'd)

(N)

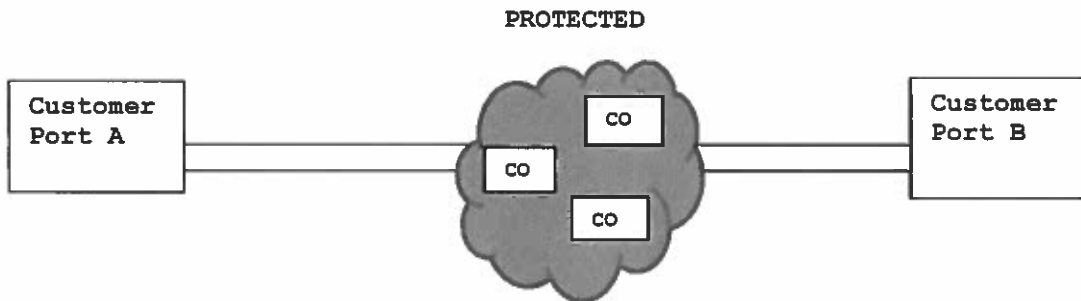
11.1 General Description (Cont'd)

(B) Service Provisioning (Cont'd)

Dedicated Optical Ethernet Service



Dedicated Optical Ethernet Service



(C) Responsibility of the Telephone Company

The Telephone Company will provision and maintain Dedicated Optical Ethernet Service for the customer up to and including the Network Interface (NI).

(D) Responsibility of Customer

The customer is responsible for providing the compatible CPE to be used for the connection to the Dedicated Optical Ethernet Service.

(E) Service Rearrangements

Service rearrangements are provisioning changes to existing (installed) services which do not result in either a change in the minimum period requirements or a change in the physical location of the point of termination at a customer premises. See Section 13.3.11.

(N)

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11. Dedicated Optical Ethernet Service (Cont'd)

(N)

11.2 Route Diversity

Customer has the option of purchasing route Diversity. There are 4 types:

- (A) Diverse Route - Same Central Office. Single entrance to the Customer premise.
- (B) Diverse Entrances - Same Central Office. Separate entrances to the Customer premise.
- (C) Diverse Central Office - Single entrance to the Customer premise.
- (D) Diverse Central Office - Separate entrances to the Customer premise.

11.3 Rate Regulations

(A) Rate Elements

There are two basic rate elements which apply to Dedicated Optical Ethernet Service. The Port/per circuit termination can be located at either a customer premises or the Telephone Company Central Office.

(1) Customer Premises Port/per circuit termination

Provides for the termination of service at the customer's premises and presents the various selected ports to the customer. Applies per customer designated premises.

(2) Central Office Port/per circuit termination

Provides for the termination of service at a Telephone Company Serving Wire Center. Applies per Node at the Telephone Company Serving Wire Center.

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11. Dedicated Optical Ethernet Service (Cont'd)

(N)

11.3 Rate Regulations (Cont'd)

(B) Dedicated Optical Ethernet Connection Capacity

Dedicated Optical Ethernet Service offers the following port interfaces:

- Gigabit Ethernet - a version of Ethernet that allows data transmission rates of 1 Gbps.
- 10 Gigabit Ethernet- a version of Ethernet that allows data transmission rates of 10.7092 Gbps
- 10 Gigabit Ethernet (WAN-PHY) - a version of Ethernet that allows data transmission rates of 10.3125 Gbps with a WAN-PHY only interface.
- 10 Gigabit Ethernet (LAN-PHY) - a version of Ethernet that allows data transmission rates of 10.3125 Gbps with a LAN-PHY only interface.
- 40 Gigabit Ethernet - a version of Ethernet that allows data transmission rates of 40.12 Gbps.
- 100 Gigabit Ethernet - a version of Ethernet that allows data transmission rates of 103.125 Gbps.

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## ACCESS SERVICE

11. Dedicated Optical Ethernet Service (Cont'd)

(N)

11.3 Rate Regulations (Cont'd)(C) Term Pricing Plan

The rates and charges set forth for Dedicated Optical Ethernet Service provide for the furnishing of service where suitable facilities are available. Where special construction of facilities is necessary, special construction charges may apply.

If Customer cancels, in whole or in part, any requested addition, rearrangement, relocation or other modification to Dedicated Optical Ethernet service prior to completion thereof, Customer will reimburse CBT for the actual expenses incurred by CBT in connection with such modification prior to CBT's receipt of notice of cancellation; provided, however, the amount of such reimbursement will not exceed the service, construction, installation, termination and other charges for which Customer would have otherwise been responsible.

Dedicated Optical Ethernet Service is available for a minimum term of 12 months or under a term payment plan of 12, 24, 36, 48, 60, or 84 months. If a Customer terminates a service, without cause, prior to the expiration of the term, the Customer will pay to CBT a termination charge equal to all remaining amounts due or to become due, including but not limited to all monthly charges for which Customer would have been responsible if the Customer had not terminated prior to the end of the applicable 12, 24, 36, 48, or 60-month term payment plan as shown in Section 7.4.9.

If Customer removes one or more ports from service prior to the expiration of the term hereof, Customer will pay to CBT a termination charge equal to all monthly charges for such element(s) for which Customer would have been responsible had Customer not removed such port(s).

(N)

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11. Dedicated Optical Ethernet Service (Cont'd)

(N)

11.3 Rate Regulations (Cont'd)

(C) Term Pricing Plan (Cont'd)

Upon completion of the term payment plan contract the customer may renew their contract at the current, tariffed rates. If customer does not renew their contract prior to the expiration date and does not select to discontinue Dedicated Optical Ethernet Service, CBT will furnish Dedicated Optical Ethernet Service to the Customer as specified in the contract on a month-to-month basis at the current, monthly tariffed rates (which will be subject to company initiated rate changes).

If customer elects a new term payment plan, prior to the expiration of their current contract, the monthly charges will be adjusted to the current tariffed rates in effect at the time of renewal. There will be no credits or refunds made to the Customer for payments made under the previous contract term, but nonrecurring charges will not be reapplied. If Customer reduces the number of ports in service, then termination charges will be applied for the removed service. Customer may not elect a term payment plan that is shorter than the remainder of the current term payment plan.

(D) Dedicated Optical Ethernet Service Expedite Charge

When placing an Access Order for service(s) for which standard intervals exist, a customer may request a service date that is prior to the standard interval service date.

The customer may also request an earlier service date on a pending standard or negotiated interval Access Order. If the Telephone Company agrees to provide service on an expedited basis, subject to limitations of personnel and material, an Expedited Order Charge will apply.

	<u>USOC</u>	<u>Rate</u>	
Expedite, per Order	CX4KX	\$ 2,500.00	(N)

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## ACCESS SERVICE

11 Dedicated Optical Ethernet Service (Cont'd)11.4 Rates and Charges Cont'd)(A) Ports Point-to Point Service (Cont'd)

Per Port/per circuit termination location

	<u>USOC</u>	<u>12 Month</u>	<u>24 Month</u>	<u>36 Month</u>	<u>48 Month</u>	<u>60 Month</u>	<u>84 Month</u>
1 Gbps Ethernet							
- protected channel							
	LVZHA	1,675.00	1,650.00	1,625.00	1,605.00	1,580.00	1,500.00
- unprotected channel							
	LVZHB	837.50	825.00	812.50	802.50	790.00	750.00
10 Gbps Ethernet LAN/WAN-PHY							
- protected channel							
	LVZHC	4,000.00	3,800.00	3,500.00	3,300.00	3,000.00	2,500.00
- unprotected channel							
	LVZHD	2,000.00	1,900.00	1,750.00	1,650.00	1,500.00	1,250.00
40 Gbps OC768 & OTU3/STM 256							
- protected channel							
	LVZHE	28,000.00	14,000.00	10,000.00	8,000.00	7,000.00	6,000.00
- unprotected channel							
	LVZHF	14,000.00	7,000.00	5,000.00	4,000.00	3,500.00	3,000.00
100 Gbps Ethernet							
- protected channel							
	LVZHG	30,000.00	16,000.00	12,000.00	10,000.00	9,000.00	8,000.00
- unprotected channel							
	LVZHH	15,000.00	8,000.00	6,000.00	5,000.00	4,500.00	4,000.00

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11 Dedicated Optical Ethernet Service (Cont'd)

(N)

11.4 Rates and Charges Cont'd)

(A) Ports Point-to Point Service (Cont'd)

(B) Optional Features and Functions

	<u>12 Month</u>	<u>24 Month</u>	<u>36 Month</u>	<u>48 Month</u>	<u>60 Month</u>	<u>84 Month</u>	<u>USOC</u>	
Diverse Route Same Central Office *	50.00	50.00	50.00	50.00	50.00	50.00	DIVSB	
Diverse Entrances Same Central Offices	75.00	75.00	75.00	75.00	75.00	75.00	DIVSC	
Diverse Central Office Single Entrance*	100.00	100.00	100.00	100.00	100.00	100.00	DCOSB	
Diverse Central Office Separate Entrances*	125.00	125.00	125.00	125.00	125.00	125.00	DCOSD	(N)

\* Special Construction charges may apply.

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