

ACCESS SERVICE

CHECK SHEET

Title Page and Pages 1 to 348 inclusive of this tariff are effective as of the date shown. Original and revised pages as named below and Supplement Nos. 17, 38, 58, 60, 64, 66, 67, 68, 69, 71, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82 and 83 contain all changes from the original tariff that are in effect on the date hereof.

<u>Page</u>	<u>Number Revision Except as Indicated</u>	<u>Page</u>	<u>Number Revision Except as Indicated</u>	<u>Page</u>	<u>Number Revision Except as Indicated</u>
Title	6th	12.3	4th	36	7th
1	487th*	12.3	Original	36.1	10th
1.1	178th	13	2nd	37	19th
1.2	82nd	14	2nd	37.1	6th
1.3	122nd	15	3rd	37.2	6th
1.4	99th	16	6th	37.3	1st
1.5	158th	16.1	3rd	37.4	1st
1.6	62nd	17	3rd	38	15th
1.7	72nd	18	3rd	38.1	13th
1.8	47th*	19	5th	38.2	1st
2	4th	19.1	8th	40	3rd
3	10th	20	5th	40.1	5th
4	8th	21	3rd	40.2	2nd
5	13th	22	2nd	41	2nd
5.1	14th	23	3rd	42	12th
6	14th	24	2nd	42.1	Original
6.1	5th	25	1st	43	13th
6.2	4th	26	1st	43.1	14th
7	5th	27	1st	43.1.1	8th
7.1	4th	28	7th	43.1.2	9th
7.2	5th	28.1	7th	43.1.3	6th
7.3	8th	28.2	8th	43.1.4	1st
7.4	12th	28.3	9th	43.2	6th
7.5	16th	28.4	12th	43.3	6th
7.6	1st	28.5	4th	43.4	3rd
8	4th	29	6th	43.4.1	1st
8.1	1st	30	5th	44	2nd
8.2	12th	30.1	1st	45	1st
8.3	2nd	30.2	Original	46	1st
8.4	7th	31	8th	47	1st
8.5	3rd*	32	6th	48	1st
9	6th	33	10th	49	1st
10	7th	34	8th	50	1st
11	12th	35	9th	51	1st
11.1	2nd	35.1	10th	52	1st
12	8th			53	1st
12.1	7th			54	1st

*New or Revised Page

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ACCESS SERVICE
CHECK SHEET

<u>Page</u>	Number Revision Except as Indicated	<u>Page</u>	Number Revision Except as Indicated	<u>Page</u>	Number Revision Except as Indicated
254	Original	299	7th	337	1st
255	Original	299.1	4th	338	2nd
256	Original	300	8th	339	Original
257	Original	300.1	Original	340	1st
258	3rd	301	2nd	341	Original
258.1	Original	302	1st	342	Original
259	2nd	303	4th	343	Original
260	Original	304	2nd	344	Original
261	1st	305	6th	345	Original
262	1st	305.1	1st	346	Original
263	2nd	306	12th	347	Original
264	1st	306.1	10th	348	Original
265	1st	306.2	1st	349	Original
266	1st	307	10th	350	Original
267	1st	308	Original	351	Original
268	1st	309	Original	352	Original
269	1st	310	3rd	353	Original
270	1st	311	2nd	354	1st
271	1st	312	2nd	355	Original
272	1st	313	2nd	356	Original
273	1st	314	3rd	357	Original
274	1st	315	2nd	358	Original
275	1st	316	2nd	359	Original
276	1st	317	2nd	360	Original
277	1st	318	2nd	361	1st
278	1st	319	2nd	362	Original
279	1st	320	3rd	363	Original
280	1st	321	2nd	364	Original
281	1st	322	4th	365	Original
282	1st	323	1st	366	Original
283	1st	324	1st	367	Original
284	1st	325	1st	368	Original
285	1st	326	1st	369	Original
286	2nd	327	1st	370	Original
287	2nd	328	2nd	371	Original
288	1st	329	2nd	372	Original
289	3rd	330	2nd		
290	3rd	331	3rd		
291	2nd	332	3rd		
292	3rd	333	4th		
293	2nd	334	3rd		
294	4th	335	4th		
295	4th	336	4th		
296	2nd	336.1	Original		
297	4th				
298	2nd				

*New or Revised Page

(This page filed under Transmittal No. 904)

Issued: February 8, 2017

Effective: February 9, 2017

Vice President
221 East Fourth Street
Cincinnati, Ohio 45202

ACCESS SERVICE

		<u>Page No</u>	
25.	<u>Volume Discount Plan</u>		
25.1	Description	349	
25.2	Conversion Level	350	
25.3	Commitment Period	350	
25.4	Ordering Provisions	351	
25.5	Rate Changes	351	
25.6	Verification and Application of Discount	352	
25.7	Circuit Threshold Levels and Percentage Discounts	353	
26.	<u>Cincinnati Bell Ethernet Service Silver</u>		
26.1	Service Description	354	
26.2	Service Provisioning	354	
26.3	Service Measurements	355	
26.4	Obligations of the Customer	356	
26.5	Rate Regulations	357	
26.6	Expedite Charge	359	
26.7	Rates and Charges	360	
27.	<u>Dedicated Optical Ethernet Service</u>		(N)
27.1	General Description	363	
27.2	Route Diversity	367	
27.3	Rate Regulations	367	
27.4	Rates and Charges	371	(N)

(This page filed under Transmittal No. 904)

Issued: February 8, 2017

Effective: February 9, 2017

Vice President
221 East Fourth Street
Cincinnati, Ohio 45202

ACCESS SERVICE

27. <u>Dedicated Optical Ethernet Service</u>	Page	(N)
27.1 General Description	363	
(A) Basic Service Description	363	
(B) Service Provisioning	364	
(C) Responsibility of the Telephone Company	366	
(D) Responsibility of Customer	366	
(E) Service Rearrangements	366	
27.2 Route Diversity	367	
27.3 Rate Regulations	367	
(A) Rate Elements	367	
(B) Dedicated Optical Ethernet Connection Capacity	368	
(C) Term Pricing Plan	369	
(D) Expedite Charge	370	
27.4 Rates and Charges	371	
(A) Ports	371	
(B) Optional Features	372	(N)

This page filed under Transmittal No. 904

Issued: February 8, 2017

Effective: February 9, 2017

Vice President
221 East Fourth Street
Cincinnati, Ohio 45202

ACCESS SERVICE

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

(N)

27.1 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)

(This page filed under Transmittal No. 904)

Issued: February 8, 2017

Effective: February 9, 2017

Vice President
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Cincinnati, Ohio 45202

ACCESS SERVICE

27. Dedicated Optical Ethernet Service (Cont'd)

(N)

27.1 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)

(This page filed under Transmittal No. 904)

Issued: February 8, 2017

Effective: February 9, 2017

Vice President
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Cincinnati, Ohio 45202

ACCESS SERVICE

27. Dedicated Optical Ethernet Service (Cont'd)

(N)

27.1 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.

(N)

(This page filed under Transmittal No. 904)

Issued: February 8, 2017

Effective: February 9, 2017

Vice President
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Cincinnati, Ohio 45202

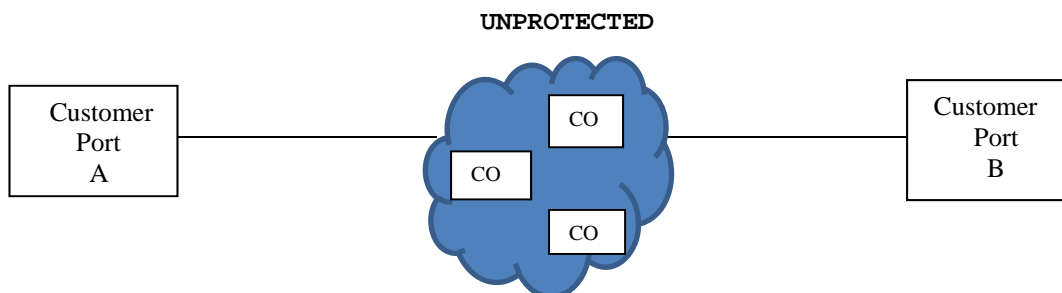
ACCESS SERVICE

27. Dedicated Optical Ethernet Service (Cont'd)

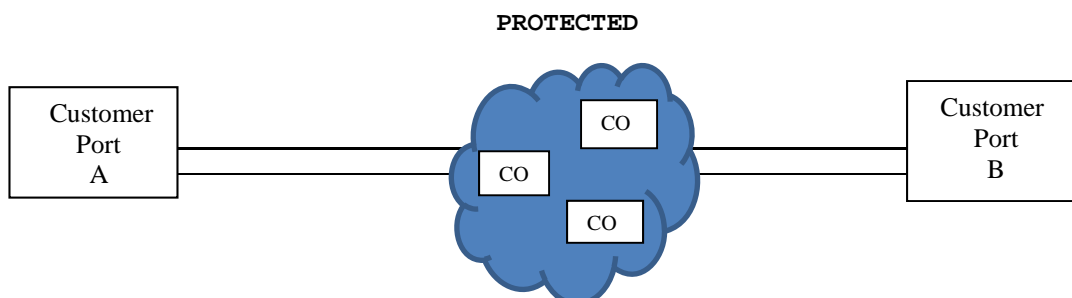
(N)

27.1 General Description (Cont'd)(B) Service Provisioning (Cont'd)

CBT Dedicated Optical Ethernet Service



CBT 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)

(This page filed under Transmittal No. 904)

Issued: February 8, 2017

Effective: February 9, 2017

Vice President
221 East Fourth Street
Cincinnati, Ohio 45202

ACCESS SERVICE

27. Dedicated Optical Ethernet Service (Cont'd)

(N)

27.2 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.

27.3 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.

(N)

(This page filed under Transmittal No. 904)

Issued: February 8, 2017

Effective: February 9, 2017

Vice President
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Cincinnati, Ohio 45202

ACCESS SERVICE

27. Dedicated Optical Ethernet Service (Cont'd)

(N)

27.3 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.

(N)

(This page filed under Transmittal No. 904)

Issued: February 8, 2017

Effective: February 9, 2017

Vice President
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Cincinnati, Ohio 45202

ACCESS SERVICE

27. Dedicated Optical Ethernet Service (Cont'd)

(N)

27.3 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)

(This page filed under Transmittal No. 904)

Issued: February 8, 2017

Effective: February 9, 2017

Vice President
221 East Fourth Street
Cincinnati, Ohio 45202

ACCESS SERVICE

27. Dedicated Optical Ethernet Service (Cont'd)

(N)

27.3 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)

This page filed under Transmittal No. 904

Issued: February 8, 2017

Effective: February 9, 2017

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Cincinnati, Ohio 45202

ACCESS SERVICE

27 Dedicated Optical Ethernet Service (Cont'd)27.4 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

(This page filed under Transmittal No. 904)

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Effective: February 9, 2017

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221 East Fourth Street
Cincinnati, Ohio 45202

ACCESS SERVICE

27 Dedicated Optical Ethernet Service (Cont'd)

(N)

27.4 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)

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