

ACCESS SERVICE

17. Cincinnati Bell Ethernet Service

17.1 Service Description

Cincinnati Bell Ethernet Service is an end-to-end high-speed data transport service which customers use for LAN interconnection and/or high-speed Internet access.

17.2 Service Provisioning

CBT will provide Cincinnati Bell Ethernet Service for one or more of the following types of Ethernet LANs operating at speeds of:

- CIR 1.544 Mbps with 1.5 Mbps Access (T)
- CIR 3 Mbps with 3 Mbps Access
- CIR 4.5 Mbps with 4.5 Mbps Access
- CIR 6 Mbps with 6 Mbps Access
- CIR 10 Mbps with 100 Mbps Access
- CIR 20 Mbps with 100 Mbps Access
- CIR 50 Mbps with 100 Mbps Access
- CIR 100 Mbps with 1 Gbps Access
- CIR 200 Mbps with 1 Gbps Access
- CIR 300 Mbps with 1 Gbps Access
- CIR 400 Mbps with 1 Gbps Access
- CIR 500 Mbps with 1 Gbps Access
- CIR 600 Mbps with 1 Gbps Access
- CIR 700 Mbps with 1 Gbps Access
- CIR 800 Mbps with 1 Gbps Access
- CIR 900 Mbps with 1 Gbps Access
- CIR 1 Gbps with 1 Gbps Access
- CIR 10 Gbps with 10 Gbps Access (T)

Committed Information Rate (CIR) is the guaranteed bandwidth amount across the circuit. (C)
(C)

The Quality of Service (QoS) optional feature enables the Customer to specify the level of delay, delay variation (jitter), bandwidth packet loss and availability.

Cincinnati Bell Ethernet Service will be available 24 hours per day, 7 days per week, except as required to update, enhance, maintain and/or repair Cincinnati Bell Ethernet Service. CBT reserves the right to perform these tasks, as needed, during off-peak hours, normally on Sundays from 12:00 a.m. to 6:00 a.m.

(M)

(M)

Certain regulations formerly appearing on this page now appear on page 260.1

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17.2 Service Provisioning (Con't.)

At the request of Customer CBT will interconnect one or more additional LANs owned by Customer to the LANs interconnected pursuant to this Tariff so long as such additional LANs are of the same type as the LANs interconnected hereunder. (e.g., An Ethernet LAN may only be extended to another Ethernet LAN but may be at a different speed.)

(M)

(D)
(D)

The electrical signals of Cincinnati Bell Ethernet Service operate in compliance with the American National Standard Institute ("ANSI") or IEEE standards 802.3 and 802.3u (Carrier Sense Multiple Access with Collision Detection (SMA/CD) Access Method and Physical Layer Specifications).

(T)
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(T)

Cincinnati Bell Ethernet Service supports the following interfaces:

- (i) for Ethernet LANs operating at speeds of 1.544 Mbps and 100 Base T; (T)
- and (ii) for Ethernet LAN's operating at a Native Mode of 1 Gbps or 10 Gbps, SX or LX Gigabit Interface Connectors. (T)(M)

Certain regulations appearing on this page formerly appeared on page 260.

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Christopher J. Wilson, Secretary, Cincinnati Bell Extended Territories LLC

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17. Cincinnati Bell Ethernet Service (T)17.2 Service Provisioning (Cont)

CBT will use its best efforts to repair any inoperable Cincinnati Bell Ethernet Service port within 4 hours after Customer has notified CBT that such port is inoperable. If such port remains inoperable for more than 8 hours after Customer has notified CBT that such port is inoperable, CBT will credit Customer's account for an amount equal to one-thirtieth (1/30) of the applicable monthly charge for such port. The same credit will apply for each additional 8-hour period that the port remains inoperable. The total amount of all credits for any one inoperable port will not exceed the monthly port charge for such inoperable port. The credit referred to herein shall be CBT's entire liability and Customer's exclusive remedy for any damages resulting from such inoperable port. (T)

Without the prior written consent of CBT, Customer will not access, or attempt to access, any equipment or facilities furnished by CBT in connection with this Tariff. Customer will indemnify and hold harmless CBT, its officers, directors, employees and agents, from and against any loss or expense, of whatever nature, arising out of any unauthorized access to any equipment or facilities furnished by CBT in connection with this Tariff. (T)

All equipment and facilities used by CBT in providing Cincinnati Bell Ethernet Service hereunder will remain the sole property of CBT, whether or not attached to or embedded in reality, unless otherwise agreed to in writing by the parties with respect to specific equipment. (T)

Customer agrees that any technical, financial or business information of CBT furnished to Customer in connection with this Agreement is confidential and proprietary to CBT, shall remain the property of CBT at all times and shall be returned to CBT upon request. (T)

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(T)

17.3 Obligations of the Customer

CBT will not be responsible for damages, malfunctions or failures caused by (a) Customer's failure to follow any operation or maintenance instructions provided by CBT to Customer; (b) Customer's repair, modification to or relocation of equipment used to provide service hereunder, or attachment of equipment not approved by CBT; and (c) abuse, misuse or negligent acts of Customer. Customer may request CBT to perform repair service for Customer in such instances on a time-and-materials basis.

Customer will furnish, at its expense, such space, electrical power and environmental conditioning at Customer's premises as CBT may reasonably require in connection with performing its obligations hereunder. Customer will permit CBT reasonable access to Customer's premises, in accordance with Customer's normal security procedures, in connection with providing service hereunder.

Customer will provide, install and maintain, at its expense, all equipment and facilities necessary for LAN interconnection on the Customer's side of the Demarcation Point. Customer shall be responsible for insuring that the operating characteristics of such equipment and facilities are compatible with Cincinnati Bell Ethernet Service and conform to the Technical Reference Specifications furnished by CBT to Customer in connection with this Tariff.

(T)

Customer will cause its electrical signals at the Demarcation Point to conform to the applicable ANSI or IEEE standards set forth in Section 8, above. Any additional equipment or facilities necessary to comply with such standards shall be furnished by Customer at its expense.

Prior to requesting repair service from CBT, Customer will use its best efforts, including but not limited to performing reasonable diagnostic tests, to verify whether any trouble with The LAN Advantage service is a result of the Customer's equipment or facilities. Customer shall be responsible for any such trouble resulting from the Customer's equipment or facilities. Customer will cooperate with any joint testing of Cincinnati Bell Ethernet Service reasonably requested by CBT.

(T)

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D. Scott Ringo, Assistant Secretary, Cincinnati Bell Extended Territories LLC

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17.4 Rate Regulations

The rates and charges set forth for Cincinnati Bell 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.

At locations where Customer provides power to CBT, CBT is not responsible for out of service conditions caused by power outages.

Customer shall pay CBT for Cincinnati Bell Ethernet Service at the applicable monthly rate for the type of Cincinnati Bell Ethernet Service, selected by the Customer, as indicated in Section 17.5. In addition, Customer shall pay to CBT the applicable per port nonrecurring charge set forth in Section 17.5.

If Customer cancels, in whole or in part, any requested addition, rearrangement, relocation or other modification to Cincinnati Bell 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.

Cincinnati Bell Ethernet Service is available for a minimum term of 12 months or under a term payment plan of 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, 60 or 84 month term payment plan.

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 port(s) for which Customer would have been responsible had Customer not removed such port(s).

Customer has available option of purchasing Redundant Premise Power from the Company. Rates are shown in Section 17.5 following.

17.5 Ethernet Expedite Charge

(N)

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	CX4EX	\$ 1,270.00	

(N)

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17.6 Rates and Charges

Electrical Port Type (Per Port)

<u>Type of Service</u>	<u>Nonrec Charge</u>	<u>Monthly</u>	<u>24 Mo.</u>	<u>(T) Monthly Rates</u>				<u>USOC</u>
				<u>36 Mo.</u>	<u>48 Mo.</u>	<u>60 Mo.</u>	<u>84 Mo.</u>	
Unprotected Ports								
CIR 1.544 Mbps with 1.5 Mpps Access (Per port)	250.00	375.00	363.75	348.75	337.50	330.00	300.00	LVZAH (T) (D)
CIR 3 Mbps with 3 Mbps Access (Per port)	1000.00	525.00	509.25	488.25	472.50	462.00	425.00	LVZAS (T) (D)
CIR 4.5 Mbps with 4.5 Mbps Access (Per port)	1000.00	637.50	618.38	592.88	573.75	561.00	525.00	LVZAV (T) (D)
CIR 6 Mbps with 6 Mbps Access (Per Port)	1000.00	900.00	873.00	837.00	810.00	792.00	600.00	LVZAW (T) (D)
CIR 10 Mbps with 100 Mbps Access (Per port)	1000.00	675.00	654.75	627.75	607.50	594.00	400.00	LVZAU (T) (D)
CIR 20 Mbps with 100 Mbps Access (Per port)	1000.00	750.00	725.00	700.00	675.00	650.00	425.00	LVZE7
CIR 50 Mbps with 100 Mbps Access (Per port)	1000.00	950.00	925.00	900.00	875.00	851.00	550.00	LVZE8
CIR 100 Mbps with 1 Gbps Access (Per port)	1000.00	1350.00	1309.50	1255.50	1215.00	1188.00	750.00	LVZA1 (T) (D)
CIR 200 Mbps with 1 Gbps Access (Per port)	1100.00	1500.00	1447.50	1387.50	1342.50	1312.50	855.00	LVZA2 (T) (D)
CIR 300 Mbps with 1 Gbps Access (Per port)	1150.00	1650.00	1586.25	1518.75	1470.00	1436.25	945.00	LVZA3 (T) (D)

Note 1: Nonrecurring charge applies when VLAN is installed subsequent to a port installation.
 Issued: October 9, 2013 Effective: November 8, 2018

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 issued by the Public Utilities Commission of Ohio
 Christopher J. Wilson, Secretary, Cincinnati Bell Extended Territories LLC

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<u>Type of Service</u>	<u>Nonrec Charge</u>	<u>Monthly</u>	<u>Monthly Rates</u>					<u>USOC</u>	
			<u>24 Mo.</u>	<u>36 Mo.</u>	<u>48 Mo.</u>	<u>60 Mo.</u>	<u>84 Mo.</u>		
Unprotected Ports									
CIR 400 Mbps with 1 Gbps Access (Per port)	1200.00	1800.00	1725.00	1650.00	1597.50	1560.00	1025.00	LVZA4	(T) (D)
CIR 500 Mbps with 1 Gbps Access (Per port)	1250.00	1950.00	1863.75	1781.25	1725.00	1683.75	1095.00	LVZA5	(T) (D)
CIR 600 Mbps with 1 Gbps Access (Per port)	1300.00	2100.00	2002.50	1912.50	1852.50	1807.50	1175.00	LVZA6	(T) (D)
CIR 700 Mbps with 1 Gbps Access (Per port)	1350.00	2250.00	2141.25	2043.75	1980.00	1931.25	1255.00	LVZA7	(T) (D)
CIR 800 Mbps with 1 Gbps Access (Per port)	1400.00	2400.00	2280.00	2175.00	2107.50	2055.00	1350.00	LVZA8	(T) (D)
CIR 900 Mbps with 1 Gbps Access (Per port)	1450.00	2550.00	2418.75	2306.25	2235.00	2178.78	1425.00	LVZA9	(T) (D)
CIR 1 Gbps with 1 Gbps Access (Per port)	1500.00	2625.00	2546.25	2441.25	2362.50	2310.00	1450.00	LVZAO	(T) (D)
2 Gbps* (Per Initial port)	1500.00	2958.33	2867.50	2753.33	2662.50	2595.00		LVZCP	
(Per Add'l port)	1500.00	2958.00	2867.50	2753.33	2662.50	2595.00		LVZCD	
CIR 10 Gbps with 10 Gbps Access (Per port)	1500.00	5625.00	5437.50	5250.00	5062.50	4875.00	3500.00	LVZAP	(T) (D)

Note 1: Nonrecurring charge applies when VLAN is installed subsequent to a port installation.

Certain regulations formerly appearing on this page now appear on page 264.2

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(T)

Electrical Port Type (Per Port)

Type of Service	Nonrec		Monthly Rates				USOC
	Charge	Monthly	24 Mo.	36 Mo.	48 Mo.	60 Mo.	
Protected Ports*							
10 Mbps Ethernet LAN							
(Per Initial port)	1000.00	1125.00	1091.25	1046.25	1012.50	990.00	LVZC1
(Per Add'l port)	500.00	187.50	181.50	174.38	168.75	165.00	LVZC2
100 Mbps Ethernet LAN							
(Per Initial port)	1000.00	1875.00	1818.75	1743.75	1687.50	1650.00	LVZD1
(Per Add'l port)	500.00	562.50	545.63	523.13	506.25	495.00	LVZD2
200 Mbps Ethernet LAN							
(Per Initial port)	1100.00	2040.00	1980.00	1897.50	1837.50	1796.25	LVZC3
(Per Add'l port)	700.00	873.75	849.28	815.63	787.50	768.75	LVZD3
300 Mbps Ethernet LAN							
(Per Initial port)	1150.00	2205.00	2141.25	2051.25	1987.50	1942.50	LVZC4
(Per Add'l port)	800.00	1185.00	1153.13	1108.13	1068.75	1042.50	LVZD4
400 Mbps Ethernet LAN							
(Per Initial port)	1200.00	2370.00	2302.00	2205.00	2137.50	2088.75	LVZC5
(Per Add'l port)	900.00	1496.25	1456.88	1400.63	1350.00	1316.25	LVZD5
500 Mbps Ethernet LAN							
(Per Initial port)	1250.00	2535.00	2463.75	2358.75	2287.50	2235.00	LVZC6
(Per Add'l port)	1000.00	1807.50	1760.63	1693.13	1631.25	1590.00	LVZD6
600 Mbps Ethernet LAN							
(Per Initial port)	1300.00	2700.00	2625.00	2512.50	2437.50	2381.25	LVZC7
(Per Add'l port)	1100.00	2118.75	2064.38	1985.63	1912.50	1863.75	LVZD7
700 Mbps Ethernet LAN							
(Per Initial port)	1350.00	2865.00	2786.25	2666.25	2587.50	2527.50	LVZC8
(Per Add'l port)	1200.00	2430.00	2368.13	2278.13	2193.75	2137.50	LVZD8
800 Mbps Ethernet LAN							
(Per Initial port)	1400.00	3030.00	2947.50	2820.00	2737.50	2673.75	LVZC9
(Per Add'l port)	1300.00	2741.25	2671.88	2570.63	2475.00	2411.25	LVZD9
900 Mbps Ethernet LAN							
(Per Initial port)	1450.00	3195.00	3108.75	2973.75	2887.50	2820.00	LVZCA
(Per Add'l port)	1400.00	3052.50	2965.63	2863.13	2756.25	2685.00	LVZDA
1 Gbps Ethernet LAN							
(Per Initial port)	1500.00	3375.00	3273.75	3138.75	3037.50	2970.00	LVZE1
(Per Add'l port)	1500.00	3375.00	3273.75	3138.75	3037.50	2970.00	LVZE2
10 Gbps Ethernet LAN							
(Per Initial port)	1500.00	7312.50	7031.25	6750.00	6468.75	6187.50	LVZF1
(Per Add'l port)	1500.00	7312.50	7031.25	6750.00	6468.75	6187.50	LVZF2

(T)

* Grandfathered beginning September 1 2011. Current Customers may maintain their service rate structure until their contract expires.
Note 1: Nonrecurring charge applies when VLAN is installed subsequent to a port installation. Certain regulations appearing on this page formerly appeared on page 264.1.

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17. Cincinnati Bell Ethernet Service17.6 Rates and Charges(Cont.)

(T)

Optional Features

<u>Type of Service</u>	<u>Nonrec Charge</u>	<u>Rate</u>	<u>Monthly Rates</u>					<u>USOC</u>
			<u>24 Mo.</u>	<u>36 Mo.</u>	<u>48 Mo.</u>	<u>60 Mo.</u>	<u>84 Mo.</u>	
PVC/LAN Connection	100.00	40.00	40.00	40.00	40.00	40.00	40.00	LVZMX
ISP Connection	100.00	100.00	100.00	100.00	100.00	100.00	100.00	LVP
Diverse Route Same Central Office	NA	500.00	485.00	465.00	452.00	440.00	418.00	DCOXX
Diverse Central Office/Shared CO	NA	1000.00	970.00	930.00	905.00	880.00	836.00	DCOSC
Diverse Central Office	NA	1250.00	1213.00	1163.00	1131.00	1100.00	1045.00	DCOVL
Redundant LAN Equipment	NA	500.00	500.00	500.00	500.00	500.00	500.00	RPE11
Customer Premise Redundant Power	NA	50.00	50.00	50.00	50.00	50.00	50.00	RSP12
Quality of Service								
- 1.544 Mbps	NA	50.00	48.25	46.50	45.25	44.00	30.00	QOST1
- 3 Mbps	NA	70.00	67.55	65.10	63.35	61.60	42.50	QOST3
- 4.5 Mbps	NA	85.00	82.00	79.05	76.90	74.80	52.50	QOST4
- 6 Mbps	NA	120.00	115.80	111.60	108.60	105.60	60.00	QOST6
- 10 Mbps	NA	90.00	86.85	83.70	81.45	79.20	40.00	4106V
- 20 Mbps	NA	100.00	96.60	93.00	90.50	88.00	42.50	QOST2
- 50 Mbps	NA	130.00	125.85	120.90	117.65	114.40	55.00	QOST5
- 100 Mpps	NA	180.00	174.60	167.40	162.90	158.40	75.00	4107V
- 200 Mpps	NA	200.00	193.60	185.40	179.90	174.40	85.50	QOS20
- 300 Mpps	NA	220.00	212.60	203.40	196.90	190.40	94.50	QOS30
- 400 Mpps	NA	240.00	231.60	221.40	213.90	206.40	102.50	QOS40
- 500 Mpps	NA	260.00	250.60	239.40	230.90	222.40	109.00	QOS50
- 600 Mpps	NA	280.00	269.60	257.40	247.90	238.40	117.50	QOS60
- 700 Mpps	NA	300.00	288.60	275.40	264.90	254.40	122.50	QOS70
- 800 Mpps	NA	320.00	307.60	293.40	281.90	270.40	135.00	QOS80
- 900 Mpps	NA	340.00	326.60	311.40	298.90	286.40	142.50	QOS90
- 1 Gbps	NA	350.00	339.50	325.50	316.75	308.00	145.00	4108V
- 10 Gbps	NA	750.00	715.00	700.00	675.00	650.00	350.00	QOS10

Note 1: Nonrecurring charge applies when PVC is installed subsequent to a port installation.

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