

APPENDIX 1¹

VERIZON MASSACHUSETTS AND CHARTER V1.3

A. INTERCONNECTION²

I. Call Transport & Termination

	Verizon Service	Non-recurring	Recurring
1.	Rate for Reciprocal Compensation Traffic delivered to a Verizon-IP or to a Charter IP ³	Rates for Reciprocal Compensation are as set forth in Verizon's DTE MA No. 17 Tariff, as amended from time to time	
2.	Access charges for termination of intrastate and interstate Toll Traffic	Per Verizon FCC No. 11 interstate and DTE No. 15 intrastate access tariffs (charged in conjunction with Reciprocal Compensation Traffic, using Traffic Factor 1 and Traffic Factor 2, as appropriate) as amended from time to time	
3.	Entrance facilities, and transport, as appropriate, for Interconnection at Verizon End Office, Tandem Office, Serving Wire Center, or other Point of Interconnection	Per Verizon FCC No. 11 interstate and DTE No. 15 intrastate access tariffs for Feature Group D service as amended from time to time	

¹ In the event this Appendix 1 refers to a service that is not available under the Terms, the Terms shall control. Nothing in this Appendix 1 shall be deemed to require Verizon to provide a service that the Terms does not require Verizon to provide.

² All rates and charges specified herein are pertaining to the Interconnection Provisions of the Terms.

³ See the last page regarding measurement and calculation of Reciprocal Compensation Traffic termination charges.

II. Transit Service

- a. **Tandem Transit Service** (Switching) rates are found in DTE MA No. 17, as amended from time to time.

(1) **Transit Service Trunking Charge**

The rate for Dedicated DS1 Meet Point B (Tandem) trunk port, as set forth in the Verizon FCC Interstate Tariff No. 11 for the relevant third party carrier.

(2) **Transit Service Billing Fee**

Transit Service Billing Fee - Five (5) percent of the Tandem Transit Service charges assessed during the billing period for traffic exchanged with the relevant third party carrier.

- b. **Dedicated Transit Service** rates are found in DTE MA No. 17, as amended from time to time.

B. UNBUNDLED NETWORK ELEMENTS⁴

I. **Ordering of Service rates** are found in DTE MA No. 17.

II. **Issuance, payment and Crediting of Customer Bills rates** are found in DTE MA No. 17.

III. Unbundled Database Access⁵

- a. **800/888 Database** - rates are found in DTE MA No. 17, as amended from time to time.

b. **LIDB**

?? LIDB Service rates are found in DTE MA No. 17.

?? LIDB Record management rates are found in DTE MA No. 17, as amended from time to time.

- c. **Common Channel Signaling Network Interconnection (CCS/SS7)** rates are found in DTE MA No. 17, as amended from time to time.

⁴ All rates and charges specified herein are pertaining to the Unbundled Network Element Provisions of the Terms.

⁵ Verizon's proposed UNEs, UNE combinations, and UNE pricing methodology reflect the FCC's current rules. Verizon does not agree that UNE prices must be based solely on forward-looking costs, and Verizon reserves the right to seek to change its UNE offerings and UNE prices if the FCC's rules are vacated or modified by the FCC or by a final, non-appealable judicial decision.

IV. Unbundled Local Loops

(a) Monthly and Non-Recurring rates for Two Wire, Four Wire, (including analog, digital (xDSL), premium and High Capacity Links) are found in DTE MA No. 17, as amended from time to time.

V. Intrastate Collocation

All rates for intrastate collocation shall be charged at rates found in Verizon's DTE MA No. 17 Tariff, as amended from time to time.

VI. Line Sharing

All rates for Line Sharing shall be charged at rates found in Verizon's DTE MA No. 17 Tariff, as amended from time to time.

VII. Line Splitting

Rates for Line Splitting are as set forth in Verizon's DTE MA No. 17 Tariff, as amended from time to time.

VIII. Unbundled IOF

Rates for Unbundled IOF are as set forth in Verizon's DTE MA No. 17 Tariff, as amended from time to time.

IX. Unbundled Multiplexer

Rates for Unbundled Multiplexer are as set forth in Verizon's DTE MA No. 17 Tariff, as amended from time to time.

X. Access to Signaling Systems and Call-Related Database Access

Rates for Access to Signaling Systems and Call-Related Database Access are as set forth in Verizon's DTE MA No. 17, as amended from time to time.

XI. Unbundled Local Switching

Rates for Unbundled Local Switching are as set forth in Verizon's DTE MA No. 17 Tariff, as amended from time to time.

XII. Unbundled Tandem Switching

Rates for Unbundled Tandem Switching are as set forth in Verizon's DTE MA No. 17 Tariff, as amended from time to time.

XIII. Network Interface Device (NID) & House and Riser Cable

Rates for Network Interface Device (NID) & House and Riser Cable are as set forth in Verizon's DTE MA No. 17 Tariff, as amended from time to time.

XIV. Expanded Extended Loop (EEL)

Rates for Expanded Extended Loop are as set forth in Verizon's DTE MA No. 17 Tariff, as amended from time to time.

XV. Combinations of UNE - Switch Sub Platform

Rates for Combinations of UNE - Switch Sub Platform are as set forth in Verizon's DTE MA No. 17 Tariff, as amended from time to time.

XVI. UNE-P Combinations

UNE-P is a combination of existing network elements. Accordingly, UNE-P rates shall be determined by summing the rates for individual network elements found in the MA DTE No. 17 as amended from time to time.

UNE PREMISES OFF PREMISES EXTENSION ANALOG PLATFORM	Recurring Charges
UNE OPE 2-W Analog Loop - Urban	\$14.11
UNE OPE 2-W Analog Loop - Suburban	\$16.12
UNE-P 2-W Analog Loop - Rural	\$20.04

	Non Recurring Charges
UNE-P OPE Service Connection - CO Wiring (per line)	\$1.90
UNE-P OPE Service Connection - CO Wiring (per line) - Expedite	\$1.90

UNE-P OPE Service Connection - Other (per line)	\$0.23
UNE-P OPE Service Connection - Other (per line) - Expedite	\$0.23

UNE-P OPE Installation Dispatch Out (as required) - 1 line	\$28.31
UNE-P OPE Installation Dispatch Out (as required) - 1 line - Expedite	\$28.31
UNE-P OPE Installation Dispatch Out (as required) - 2 - 9 lines	\$34.50
UNE-P OPE Installation Dispatch Out (as required) - 2 - 9 lines - Expedite	\$34.50
UNE-P OPE Installation Dispatch Out (as required) - 10 or more lines	\$40.25
UNE-P OPE Installation Dispatch Out (as required) - 10 or more lines - Expedite	\$40.25

XVII. Unbundled Dark Fiber

Rates for Unbundled Dark Fiber are as set forth in Verizon's DTE MA No. 17 Tariff, as amended from time to time.

XVIII. Unbundled Sub-Loop Arrangements

Per Verizon's DTE MA No. 17 Tariff, as amended from time to time.

C. RESALE⁶

I. Wholesale Discounts

Wholesale discounts are as set forth in the Mass. DTE No.14 Tariff, as amended from time to time.

Month- to- month discounts (per qualifying retail rate):

- a. Where Charter purchases Verizon-provided Operator Services
 - (1) Business 24.99%
 - (2) Residence 24.99%
- b. Where Charter does not purchase Verizon Operator Services
 - (1) Business 29.47%
 - (2) Residence 29.47%

⁶ All rates and charges specified herein are pertaining to the Resale Provisions of the Terms.

D. CUSTOMER USAGE DETAIL CHARGES

Record Charges	
? Per record processed (EMR format)	\$0.004085
?? Per record processed (Tandem Subtending Arrangement/EMR)	\$0.004085
? Per record transmitted	\$0.000118
? Per tape/cartridge	\$20.12

E. 911/E911 INTERCONNECTION

Monthly Rate:

- I. \$252.00 per month for an unequipped DS1 Port and \$100 per month per voice grade trunk activated and equipped on the DS1 port.
- II. \$0.05 per line per month for unbundled local Switching Element.
- III. Per Verizon's DTE MA No. 17 Tariff.

F. OPERATIONS SUPPORT SYSTEMS

a. 1. Rates for access to, development, maintenance and use of Operations Support Systems, as related to the provision of unbundled Network Elements, are as set forth in Verizon's DTE MA No. 17 Tariff, as amended from time to time, subject to the provisions of the Network Elements Attachment.

b.1. Rates for all access to, development, maintenance and use of Operations Support Systems, as related to the provision of Resale, are as set forth in Verizon's DTE MA No. 14 Tariff, as amended from time to time.

G. TIME AND MATERIALS CHARGES

Rates for Time and Materials are as set forth in Verizon's DTE MA No. 17 Tariff, as amended from time to time.

A. Charges by Verizon

(a) Traffic delivered to Verizon Tandem:
Tandem Rate.

(b) Traffic delivered directly to terminating Verizon End Office: End Office Rate.

B. Charges by Charter

1. Single-tiered interconnection structure:

Charter's rates for the termination of Verizon's Reciprocal Compensation Traffic under the single-tiered interconnection structure shall be recalculated once each year on each anniversary of the Effective Date (the "Rate Determination Date"). The methodology for recalculating the rates is as follows:

Tandem Minutes = Total minutes of use of Reciprocal Compensation Traffic delivered by Charter to the Verizon Tandem for most recent billed quarter.

End Office Minutes = Total minutes of use Reciprocal Compensation Traffic delivered by Charter directly to the terminating Verizon End Office for most recent billed quarter.

Total Minutes = Total minutes of use of Reciprocal Compensation Traffic delivered by Charter to Verizon for most recent billed quarter.

Charter Charge at the Charter-IP =

$$\frac{(\textit{Tandem Minutes} \times \text{Tandem Rate}) + (\textit{End Office Minutes} \times \text{End Office Rate})}{\textit{Total Minutes}}$$

For the first year after the Effective Date, the Charter charge shall be calculated based on the traffic data of the quarter immediately preceding such Effective Date, or if no such traffic exists, on the proportion of Reciprocal Compensation Traffic termination trunks to Verizon End Offices and to Verizon Tandems.

2. Multiple-tiered interconnection structure (if offered by Charter to any carrier)

(a) Reciprocal Compensation Traffic delivered to Charter Tandem: Tandem Rate

(b) Reciprocal Compensation Traffic delivered to terminating Charter End Office/node: End Office Rate

C. Miscellaneous Notes

1. The Charter termination rate under the single-tiered interconnection structure set forth above is intended to be a Reciprocal Compensation Traffic termination rate for Interconnection to the Charter-IP within each LATA that is reciprocal and equal to the actual rates that will be charged by Verizon to Charter under the two-tiered Reciprocal Compensation Traffic termination rate structure described above that will apply after the first anniversary of the Effective Date. The single Charter termination rate is also intended to provide financial incentives to Charter to deliver traffic directly to Verizon's terminating End Offices once Charter's traffic volumes reach an appropriate threshold.