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BEFORE THE PUBLIC UTILITY COMMISSION**

OF OREGON

UT 138/UT 139
PHASE II

In the Matter of Ascertaining the)
Unbundled Network Elements)
that must be Provided by Incumbent) ORDER
Local Exchange Carriers to Requesting)
Telecommunications Carriers Pursuant)
to 47 C.F.R. §51.319.)

DISPOSITION: AMENDED STIPULATION ADOPTED; PHASE III
INVESTIGATION INITIATED

On June 19, 2000, the Public Utility Commission of Oregon (Commission) issued Order No. 00-316 in these dockets. Among other things, the Commission concluded that the Oregon “building block” terminology established in docket UM 351 should be changed to correspond with the “unbundled network element” (UNE) terminology used by the Federal Communications Commission (FCC). The PUC Staff (Staff) was directed to convene conferences or workshops to (a) match the Oregon building blocks to the UNEs set forth in 47 C.F.R. §51.319 (Rule 319); (b) identify the cross-connect facilities prescribed in the FCC *UNE Remand Order*;¹ (c) identify prices applicable to UNEs using prices established by the Commission in Order No. 97-239, and; (d) identify building blocks “additional” to the UNEs listed in Rule 319. The parties were directed to report the results of their efforts to the Commission at a public meeting within 30 days after the last conference or workshop.

Workshops were held from November, 2000 though January, 2001, to “map” the Oregon building blocks to the Rule 319 UNEs. Parties participating in the workshops included Qwest Corporation (Qwest); Verizon Northwest Inc. (Verizon); Integra Telecom of Oregon, Inc. (Integra), AT&T Communications of the Pacific Northwest, Inc. (AT&T) and the Commission Staff (Staff).

¹ *Implementation of the Local Competition Provisions of the Telecommunications Act of 1996*, Third Report and Order and Fourth Further Notice of Proposed Rulemaking, CC Docket No. 96-98, FCC 99-238, (rel. Nov. 5, 1999) (*UNE Remand Order*).

At its February 6, 2001, regular public meeting, the Commission approved a Staff recommendation to establish Phase II of these dockets to resolve 17 outstanding issues identified by the parties. A prehearing conference was held March 1, 2001, to establish a procedural schedule. The schedule was subsequently revised at the request of the parties to allow for continued settlement discussions. Direct testimony was filed June 5, 2001, and reply testimony filed on September 14, 2001.

On September 18, 2001, prior to the scheduled hearing, the parties filed a stipulation designed to resolve all outstanding issues, with the exception of Issue 8 (channel performance elements). The Administrative Law Judge convened a telephone conference on October 2, 2001, during which the parties agreed to continue settlement discussions in an effort to resolve the remaining issue.

On December 4, 2001, the parties filed an Amended Stipulation designed to resolve all 17 disputed issues regarding the mapping of Oregon building blocks to the Rule 319 UNEs. The Amended Stipulation, which supercedes the original stipulation, is attached to this order as Appendix A. The results of the mapping process – the agreed – upon UNEs and recurring UNE rates – are set forth in the Unbundled Network Element/Building Block Matrix (Matrix) attached to this order as Appendix B.

The Commission finds that the Amended Stipulation and Matrix are consistent with Rule 319 and the requirements of Order No. 00-316. The UNEs and UNE rates set forth in the Amended Stipulation and Matrix should therefore be adopted.

Docket UM 1025. Consistent with the policy in Order No. 00-316 at 8, the recurring UNE prices specified in the Matrix shall function as default prices, which shall be incorporated in interconnection agreements arbitrated by the Commission under the terms of the Telecommunications Act of 1996 unless (a) the parties agree to different UNE prices, or (b) one of the parties to the arbitration demonstrates that there are special costs warranting a UNE price different from that established by the Commission. The Commission has not yet approved a default cost and price for several of the UNEs listed in the Matrix. These items are designated by “#” in the Matrix. For Qwest, the recurring and nonrecurring costs and prices for these UNEs will be established in docket UM 1025. A prehearing conference will be held shortly to establish a procedural schedule in that docket. For UNEs provisioned by Verizon, the costs and prices will be established in a separate proceeding. *See* Order No. 01-760.

Phase III. In Order No. 00-316, the Commission also required Qwest and Verizon to file nonrecurring cost studies and proposed default nonrecurring prices for all UNEs for which there are Commission-approved default recurring prices. Phase III of this docket will investigate the default nonrecurring costs and prices proposed by Qwest and Verizon for those UNEs. The Administrative Law Judge will convene a conference to establish a procedural schedule for the Phase III proceeding.

ORDER

IT IS ORDERED that:

1. The Amended Stipulation filed with the Commission on December 4, 2001, is adopted.
2. The UNEs set forth in Unbundled Network Element/Building Block Matrix attached to this order as Appendix B are consistent with 47 C.F.R. §51.319, and are hereby adopted.
3. Pursuant to Order No. 00-316, the recurring UNE prices in the Unbundled Network Element/Building Block Matrix shall function as default prices, which shall be incorporated in interconnection agreements arbitrated by the Commission under the terms of the Telecommunications Act of 1996 unless (a) the parties agree to different UNE prices, or (b) one of the parties to the arbitration demonstrates that there are special costs warranting a UNE price different from that established by the Commission.
4. Phase III of this docket is initiated to investigate the default nonrecurring costs and prices proposed by Qwest and Verizon in accordance with Order No. 00-316.

Made, entered, and effective _____.

Roy Hemmingway
Chairman

Lee Beyer
Commissioner

Joan H. Smith
Commissioner

A party may request rehearing or reconsideration of this order pursuant to ORS 756.561. The request must be filed with the Commission within 60 days of the date of service of this order and must comply with the requirements in OAR 860-014-0095. A copy of the such request must also be served on each party to the proceeding as provided by OAR 860-013-0070(2). A party may appeal this order to a court pursuant to applicable law.

**BEFORE THE PUBLIC UTILITY COMMISSION
OF OREGON
UT 138/139
(PHASE II)**

In the Matter of the Investigation into
Compliance Tariffs filed by U S WEST
Communications, Inc., Advice Nos. 1661,
1683, 1685, and 1690.

AMENDED STIPULATION TO RESOLVE ALL
CONTESTED ISSUES

In the Matter of the Investigation into
Compliance Tariffs filed by GTE Northwest
Incorporated, Advice Nos. 589, 599, and 611.

This Amended Stipulation, made by Qwest Corporation (Qwest), Integra Telecom of
Oregon, Inc. (Integra), AT&T Communications of the Pacific Northwest, Inc. (AT&T), Verizon
Northwest, Inc. (Verizon), Staff of the Public Utility Commission of Oregon (Staff), and
_____, (collectively, the Parties):

RECITALS

WHEREAS, on June 26, 2001, the Parties met in the scheduled Settlement Conference to
discuss settlement of any or all of the 17 contested issues in this docket;

WHEREAS, the Parties met in conference calls on July 9, August 1, August 3, August
16, and September 7, 2001 to further discuss settlement of the 17 contested issues in this docket;

WHEREAS, the issues in this proceeding, discussed below, are shown in the matrix
attached hereto and identified as the Unbundled Network Element/Building Block Matrix
(Matrix);

WHEREAS, the Parties submitted an original Stipulation at, or near, the time they filed
their Reply Testimony on September 14, 2001;

WHEREAS, the Parties continued to discuss settlement of Issue 8, the one remaining
contested issue, in a series of conference calls;

WHEREAS, the parties have now settled Issue 8 as delineated in this Amended
Stipulation and agree this Amended Stipulation should supersede the original Stipulation;

1 NOW, THEREFORE, the Parties agree to settle the 17 contested issues on the following
2 terms and conditions:

3 **1. ISSUE 1:** Cross-Connect Facilities/Interconnection Tie Pair -- Whether A New Intra-
4 Office DS0 Cable Cost Study Is Needed.

5 **Issue 1 Status: Resolved**

6 The parties agree that this UNE only applies when the incumbent local exchange carrier (ILEC)
7 utilizes an intermediate distribution frame. Verizon and Qwest also agree to provide direct
8 connection from the distribution frame to a CLEC's collocation space. Parties may request the
9 Commission to review costs and prices in a separate proceeding.

10 **2. ISSUE 2:** Cross-Connect Facilities/Interconnection Tie Pair -- Whether Distribution Frame
11 Term 4-Wire Should Be Used Instead Of Cross Connect DS1.

12 **Issue 2 Status: Resolved**

13 The parties agree that the Distribution Frame Term 4-wire should not be used instead of
14 Cross Connect DS1. The parties further agree that the correct mapping for an ITP DS1 consists
15 of one Cross Connect DS1 and one Jumper NAC DS1 (4-wire). The existing Cross Connect
16 DS1 (at a rate of \$5.04) provides two Digital Signal Cross Connect DS1 (DSX-1) terminations,
17 which is the number required by one ITP DS1. The parties agree that this UNE only applies
18 when the incumbent local exchange carrier (ILEC) utilizes an intermediate distribution frame.
19 Verizon and Qwest also agree to provide direct connection from the distribution frame to a
20 CLEC's collocation space. Parties may request the Commission to review costs and prices in a
21 separate proceeding.

22 **3. ISSUE 3:** Cross-Connect Facilities/Interconnection Tie Pair -- Whether Distribution Frame
23 Term 4-Wire Should Be Used Instead Of Cross Connect DS3.

24 **Issue 3 Status: Resolved**

25 The parties agree that the Distribution Frame Term 4-wire should not be used instead of
26 Cross Connect DS3. The parties further agree that the correct mapping for one ITP DS3 consists

1 of two Cross Connect DS3s and one Jumper NAC DS3 (electrical). The parties agree that this
 2 UNE only applies when the incumbent local exchange carrier (ILEC) utilizes an intermediate
 3 distribution frame. Verizon and Qwest also agree to provide direct connection from the
 4 distribution frame to a CLEC's collocation space. Parties may request the Commission to
 5 review costs and prices in a separate proceeding.

6 **4. ISSUE 4: Cross-Connect Facilities/Direct Connect Tie Cable-- Whether Cabling From A**
 7 **CLEC Collocation Space Direct To An ILEC Frame Is Part Of UNEs Or Collocation.**

8 **Issue 4 Status: Resolved**

9 The parties agree that this item will be offered under collocation and should be deleted as
 10 a UNE.

11 **5. ISSUE 5: Cross-Connect Facilities/Dedicated Connecting Channel-- Are These Building**
 12 **Blocks Used In Connection With Combinations Or EELs? If So, Should They Also Include The**
 13 **Distribution Frame Termination Building Block?**

14 **Issue 5 Status: Resolved**

15 The parties agree to delete these building blocks as UNEs, as the costs for these items are
 16 addressed as nonrecurring charges for the UNEs that make up the EELs or other combinations.

17 **6. ISSUE 6: Local Loop And Sub Loop/Local Loop-- Whether This Charge Applies Only To**
 18 **Loops Greater Than 18 Kilofeet.**

19 **Issue 6 Status: Resolved**

20 The parties agree to the application of this charge as a UNE when the UNE (ISDN BRI
 21 loop) being provided is served by DLC (or other pair gain) technology. In principle, the parties
 22 do not agree on the application of the charge when the UNE (ISDN BRI loop) being provided is
 23 served by copper technology. However, in order to expedite the mapping of building blocks to
 24 UNEs in this proceeding, the parties agree that this charge will apply to copper technology when
 25 requested by a CLEC. AT&T reserves the right to raise the issue of the appropriate application
 26 of this charge in a separate proceeding.

1 **7. ISSUE 7:** Local Loop And Sub Loop/Local Loop – Splitter -- Should ILECs Be Required
2 To Provide Line Splitters?

3 **Issue 7 Status: Resolved**

4 The parties agree that this issue should be removed from this proceeding and be
5 addressed by the Commission in a separate proceeding.

6 **8. ISSUE 8:** Local Loop And Sub Loop/Local Loop – Channel Performance -- Are Any Or
7 All Of The Channel Performance Building Blocks Features, Functionalities, And Capabilities Of
8 The Loop UNE? If Not, Are Any Of Them UNES?

9 **Issue 8 Status: Resolved**

10 The parties agree that these items are obsolete and should be deleted as UNES:

11 Low Speed

- 12 Control Status Channel
- 13 McCulloh Alarm – Type
- 14 DC Channel
- 15 Telegraph 0-75 Baud
- 16 Telegraph 0-150 Baud
- 17 McCulloh Bridging, per Port
- 18 Telegraph Bridging 0-75 Baud

19 Voice Grade

- 20 Data Stream
- 21 Basic – No Signaling
- 22 Resistive Bridging (Voice) 2-wire
- 23 Resistive Bridging (Data) 2-wire
- 24 C Conditioning
- 25 Data Capability
- 26 Improved Attenuation Distortion
- 27 Effective 4-wire Transmission

28 Digital Data

- 29 Digital Data Service 2.4 kbps
- 30 Digital Data Service 4.8 kbps
- 31 Digital Data Service 9.6 kbps
- 32 Digital Data Service 56 kbps
- 33 Digital Data Service 64 kbps
- 34 Digital Data Central Office Bridging

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1 The parties do not agree that the remaining items are UNEs but do agree to the following
2 position. Both Verizon and Qwest agree to make available the channel performance items listed
3 immediately below if they are included with a current loop being utilized by a current customer.
4 For new applications, Verizon agrees to provide multiplexing (i.e., single channel to DS1), as
5 may be required by the customer and where available as part of the multiplexing equipment, for
6 each of the channel performance items listed below, with the exception of E & M Signaling.
7 Other than multiplexing equipment, Verizon will not provide other central office circuit
8 equipment (i.e., data bridging equipment, supplemental loop extender equipment) for new
9 customer applications involving the channel performance items listed below. Finally, Qwest
10 agrees to provide the channel performance items listed below for new customer applications to
11 the extent offered to its own end user customers.

Voice Grade

- 12 Code Select Ringdown
- 13 Manual Ringdown
- 14 Auto Ringdown
- 15 Loop Start Signaling - Type LA
- 16 Loop Start Signaling - Type LB
- 17 Loop Start Signaling - Type LC
- 18 Loop Start Signaling - Type LO
- 19 Loop Start Signaling - Type LS
- 20 No Signaling
- 21 E & M Signaling
- 22 Ground Start Signaling
- 23 Resistive Bridging (Voice/Data) 4-wire

19 **9. ISSUE 9:** Local Loop And Sub Loop/Local Loop – Channel Performance -- Whether This
20 Building Block [Data Channel Terminating Equipment – DCTE] Is Customer Premises
21 Equipment (CPE) That ILECs No Longer Provide, And Therefore Should Be Deleted.

Issue 9 Status: Resolved

23 The parties agree that this item is obsolete and should be deleted as a UNE.

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1 **10. ISSUE 10:** Local Loop And Sub Loop/Subloop – Intra-Premise Riser Cable Facilities --
2 Whether This Building Block [Loop Concentration] Should be Deleted.

3 **Issue 10. Status: Resolved**

4 The parties agree that this item is provided as part of the circuit switching UNE, as part of
5 the loop/subloop UNEs, or as part of the multiplexing UNEs, and can be deleted as a separate
6 UNE.

7 **11. ISSUE 11:** Local Loop And Sub Loop/Subloop -- Whether This Building Block [Remote
8 Switching Device – RSD – Interconnection] Should Be Deleted.

9 **Issue 11 Status: Resolved**

10 The parties agree that this item is provided as part of the circuit switching UNE or as part
11 of the loop/subloop UNEs, and can be deleted as a separate UNE.

12 **12. ISSUE 12:** Switching Capability/Local Circuit Switching/Switch Ports -- Whether The
13 FCC Has Excluded Switch Ports For Coin Phones From UNEs.

14 **Issue 12 Status: Resolved**

15 The parties agree that this item will be provided as a UNE.

16 **13. ISSUE 13:** Switching Capability/Local Circuit Switching/Switching Features -- Whether
17 Switching Features Should Be Sold Separately As Shown Below, Included In The Port Charge,
18 Or Combined Together In One Or More Typical Feature Baskets. (Note: If The Commission
19 Selects Either Of The Latter Two Options, It Would Need To Set New Prices For The Port Or
20 The Feature Baskets.)

21 **Issue 13 Status: Resolved**

22 The parties agree these building blocks and associated prices should be mapped as
23 individual UNEs, and the costs and prices for these and additional switch feature UNEs should
24 be addressed by the Commission in a separate proceeding.

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1 **14. ISSUE 14:** Switching Capability/Packet Switching -- Do The Three Building Blocks
2 Shown Below Map To The Packet Switching UNE?

3 **Issue 14 Status: Resolved**

4 The parties agree that these building blocks do not map to the Packet Switching UNE.
5 The Packet Switching UNE should be investigated in a separate proceeding.

6 **15. ISSUE 15:** Signaling Networks And Call Related Databases/ Enhanced 911 (E-911) -- Are
7 Any Of The Building Blocks Listed Below Required As UNES?

8 **Issue 15 Status: Resolved**

9 The parties agree to delete this item as a UNE.

10 **16. ISSUE 16:** Signaling Networks And Call Related Databases/Information And Billing
11 Services Data -- Should This Building Block Be Mapped To A UNE And, If So, How?

12 **Issue 16 Status: Resolved**

13 The parties agree to delete this as a separate UNE and that the function (usage files
14 provided to CLECs) will be provided under access to Operational Support Systems (OSS), or as
15 provided in applicable interconnection agreements. Parties may request the Commission to
16 review costs and prices in a separate proceeding.

17 **17. ISSUE 17:** Building Blocks Listed Below To Be Eliminated Because They Do Not (1)
18 Translate To Any UNE Or Cross Connect Facility, Or (2) Provide Functionality To Competitive
19 Carriers. Are the billing and collection building blocks part of a UNE such as OSS?

20 **Issue 17 Status: Resolved**

21 The parties agree to delete these items as UNES.

22 **18.** The Parties agree to revise the Matrix as follows: (1) The Matrix should be revised to
23 correct an error for item 2.A.(8) ILDC Interconnection. The single pound sign (i.e., "#") should
24 be replaced with a double pound sign (i.e., "##"). (2) The Matrix should be revised at, footnote
25 27 to simply reference the Federal Communications Commission rule. (3) The single pound sign
26 ("#") footnote should be changed to delete the last part of the sentence, which reads: "and that no

1 proposed costs or prices are under investigation". (4) An explanatory footnote should be added
2 to the Matrix as follows:

3 "Note: All of the UNEs herein are meant to be consistent with 47 C. F. R. §51.319, as
4 revised by the FCC's *Third Report and Order, Re Implementation of the Local*
5 *Competition Provisions of the Telecommunications Act of 1996*, released November 5,
6 1999 (FCC 99-238), 15 FCC Rcd 3696 (1999), also known as the FCC's *Rule 319*
7 *Remand Order*. The parties agree that there may be components of those UNEs that are
not set forth in the Matrix. To the extent that there are additional components that need
to be costed and priced, they will be addressed in a separate proceeding. Any person may
request or petition the Commission to modify the list of UNEs, or identify additional
components, as permitted by law."

8 The Matrix, not including lists of switching features in Appendices A and B, as revised
9 November 8, 2001, is attached and is made a part of this Amended Stipulation for the purposes
10 described in this paragraph, and to reflect resolution of issues.

11 **19.** The Parties further agree that this Amended Stipulation may be executed in individual
12 parts and that the individual parts should be construed as an integrated document.

13 **20.** This Settlement and Amended Stipulation is entered into to resolve and settle disputed
14 issues before the Commission in UT 138/139 regarding mapping Oregon building blocks to the
15 FCC's list of UNEs. It does not represent a statement or agreement by any party that the terms
16 herein can or should be used in any other jurisdiction for any purpose. Rather, it is an agreement
17 to settle disputed matters in this proceeding in order to avoid the expense and uncertainty of
18 litigation. Should the Commission fail to adopt the Settlement and Amended Stipulation, or
19 should the Commission materially modify the Settlement and Amended Stipulation, any party
20 hereto shall have the right to withdraw from the Amended Stipulation and proceed with a
21 resolution of all issues in this proceeding through hearings.

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1 IT IS SO AGREED.

2 QWEST CORPORATION

3 By: _____
4 Signature

5 _____
6 Print Name

7 _____
8 Title

9 INTEGRA

10 By: _____
11 Signature

12 _____
13 Print Name

14 _____
15 Title

16 AT&T

17 By: _____
18 Signature

19 _____
20 Print Name

21 ADDITIONAL PARTY: _____

22 By: _____
23 Signature

24 _____
25 Print Name

26 _____
27 Title

Title

VERIZON

By: _____
Signature

Print Name

Title

PUC STAFF

By: _____
Signature

Print Name

Title

***NOTE: Pages 9 through 13
contain signatures and are not
included on the electronic copy***

UNBUNDLED NETWORK ELEMENT / BUILDING BLOCK MATRIX (Revised 11/8/01) ORDER NO. 01-1106

Unbundled Network Elements (UNE)	UNE Recurring Rate	Building Block	Building Block Recurring Rate
1. CROSS-CONNECT FACILITIES			
A. INTERCONNECTION TIE PAIR (ITP)¹		NETWORK ACCESS CHANNEL CONNECTION	
(1) ITP-DS0 ²	\$0.92	Jumper NAC DS0 (2-wire)	\$0.12
	ISSUE (1) Whether a new intra-office DS0 cable cost study is needed. RESOLVED³		
(2) ITP-DS1 ⁴	\$11.09 \$6.05	Jumper NAC DS1 (4-wire)	\$1.01
	ISSUE (2) Whether Distribution Frame Term 4-wire should be used instead of Cross Connect DS1. RESOLVED⁵		

¹ Interconnection Tie Pair (ITP) provides a path between points within a central office building using a shared facility.

² Comprised of the following building blocks: 1 Jumper NAC DS0, and 2 2-wire Distribution Frame Terminations.

³ The parties agree that this UNE only applies when the incumbent local exchange carrier (ILEC) utilizes an intermediate distribution frame. Verizon and Qwest also agree to provide direct connection from the distribution frame to a CLEC's collocation space. Parties may request the Commission to review costs and prices in a separate proceeding.

⁴ Comprised of the following building blocks: 1 Jumper NAC DS1, and 1 Cross-Connection DS1.

⁵ The parties agree that the Distribution Frame Term 4-wire should not be used instead of Cross Connect DS1. The parties further agree that the correct mapping for an ITP DS1 consists of one Cross Connect DS1 and one Jumper NAC DS1 (4-wire). The existing Cross Connect DS1 (at a rate of \$5.04) provides two Digital Signal Cross Connect DS1 (DSX-1) terminations, which is the number required by one ITP DS1. The parties agree that this UNE only applies when the incumbent local exchange carrier (ILEC) utilizes an intermediate distribution frame. Verizon and Qwest also agree to provide direct connection from the distribution frame to a CLEC's collocation space. Parties may request the Commission to review costs and prices in a separate proceeding.

Indicates that there is no Commission default cost or price for the item.

Indicates that the Commission is investigating a default cost and price for the item in docket UM 773.

Note: All of the UNEs herein are meant to be consistent with 47 C.F.R. § 51.319, as revised by the FCC's *Third Report and Order, Re Implementation of the Local Competition Provisions of the Telecommunications Act of 1996*, released November 5, 1999 (FCC 99-238), 15 FCC Rcd 3696 (1999), also known as the FCC's *Rule 319 Remand Order*. The parties agree that there may be components of those UNEs that are not set forth in the Matrix.

To the extent that there are additional components that need to be costed and priced, they will be addressed in a separate proceeding. Any person may request or petition the Commission to modify the list of UNEs, or identify additional components, as permitted by law.

UNBUNDLED NETWORK ELEMENT / BUILDING BLOCK MATRIX (Revised 11/8/01) ORDER NO. 01-1106

Unbundled Network Elements (UNE)	UNE Recurring Rate	Building Block	Building Block Recurring Rate
(3) ITP-DS3 Electrical ⁶	\$36.35 ISSUE (3) Whether Distribution Frame Term 4-wire should be used instead of Cross Connect DS3. RESOLVED ⁷	Jumper NAC DS3 Electrical	5.21
		INTERCONNECTION BUILDING BLOCKS	
	See ITP-DSO	Distribution Frame Term 2-wire	\$0.40
	Deleted per resolution Issues 2 and 3.	Distribution Frame Term 4-wire	\$0.84
	See ITP-DS1	Cross Connection DS1	\$5.04
	See ITP-DS3 Electrical	Cross Connection DS3	\$15.57
B. DIRECT CONNECT TIE CABLE	# ISSUE (4) Whether cabling from a CLEC collocation space direct to an ILEC frame is part of UNEs or collocation. RESOLVED ⁸		
C. FIBER OPTIC TERMINATION	##	Fiber Optic Termination	##

⁶ Comprised of the following building blocks: 1 Jumper NAC DS3 Electrical, and 2 Cross-Connection DS3s

⁷ The parties agree that the Distribution Frame Term 4-wire should not be used instead of Cross Connect DS3. The parties further agree that the correct mapping for one ITP DS3 consists of two Cross Connect DS3s and one Jumper NAC DS3 (electrical). The parties agree that this UNE only applies when the incumbent local exchange carrier (ILEC) utilizes an intermediate distribution frame. Verizon and Qwest also agree to provide direct connection from the distribution frame to a CLEC's collocation space. Parties may request the Commission to review costs and prices in a separate proceeding.

⁸ The parties agree that this item will be offered under collocation and should be deleted as a UNE.

Indicates that there is no Commission default cost or price for the item.

Indicates that the Commission is investigating a default cost and price for the item in docket UM 773.

Note: All of the UNEs herein are meant to be consistent with 47 C.F.R. § 51.319, as revised by the FCC's *Third Report and Order, Re Implementation of the Local Competition Provisions of the Telecommunications Act of 1996*, released November 5, 1999 (FCC 99-238), 15 FCC Rcd 3696 (1999), also known as the FCC's *Rule 319 Remand Order*. The parties agree that there may be components of those UNEs that are not set forth in the Matrix.

To the extent that there are additional components that need to be costed and priced, they will be addressed in a separate proceeding. Any person may request or petition the Commission to modify the list of UNEs, or identify additional components, as permitted by law.

UNBUNDLED NETWORK ELEMENT / BUILDING BLOCK MATRIX (Revised 11/8/01) ORDER NO. 01-1106

Unbundled Network Elements (UNE)	UNE Recurring Rate	Building Block	Building Block Recurring Rate
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D. FIBER CROSS CONNECT	##	Cross Connection Ocn	##
E. DEDICATED CONNECTING CHANNEL		NETWORK ACCESS CHANNEL CONNECTION	
	ISSUE (5) Are these building blocks used in connection with combinations or EELs? If so, should they also include the distribution frame termination building blocks? RESOLVED⁹		
DS0	\$0.12	NACC-DS0-Dedicated	\$0.12
DS1	\$0.44	NACC-DS1-Dedicated	\$0.44
DS3	\$3.05	NACC-DS3-Dedicated	\$3.05
2. LOCAL LOOP AND SUBLOOP			
A. LOCAL LOOP¹⁰		NETWORK ACCESS CHANNEL (NAC)	
(1) 2-Wire		Basic NAC (2-wire) and ISDN NAC	
Zone 1	Qwest \$13.95 Verizon \$14.36	Zone 1	Qwest \$13.95 Verizon \$14.36
Zone 2	Qwest \$25.20 Verizon \$25.83	Zone 2	Qwest \$25.20 Verizon \$25.83
Zone 3	Qwest \$56.21 Verizon \$50.16	Zone 3	Qwest \$56.21 Verizon \$50.16
(2) 4-Wire		Basic NAC (4-wire)	

⁹ The parties agree to delete these building blocks as UNEs, as the costs for these items are addressed as nonrecurring charges for the UNEs that make up the EELs or other combinations.

¹⁰ CLEC specifies whether it is requesting a line conditioned 2-wire or 4-wire loop (i.e., removal of any devices that may diminish the capability of the loop to deliver high-speed switched wireline telecommunications capability, including but not limited to removal of bridge taps, low pass filters, range extenders removed).

Indicates that there is no Commission default cost or price for the item.

Indicates that the Commission is investigating a default cost and price for the item in docket UM 773.

Note: All of the UNEs herein are meant to be consistent with 47 C.F.R. § 51.319, as revised by the FCC's *Third Report and Order, Re Implementation of the Local Competition Provisions of the Telecommunications Act of 1996*, released November 5, 1999 (FCC 99-238), 15 FCC Rcd 3696 (1999), also known as the FCC's *Rule 319 Remand Order*. The parties agree that there may be components of those UNEs that are not set forth in the Matrix.

To the extent that there are additional components that need to be costed and priced, they will be addressed in a separate proceeding. Any person may request or petition the Commission to modify the list of UNEs, or identify additional components, as permitted by law.

UNBUNDLED NETWORK ELEMENT / BUILDING BLOCK MATRIX (Revised 11/8/01) ORDER NO. 01-1106

Unbundled Network Elements (UNE)	UNE Recurring Rate	Building Block	Building Block Recurring Rate
Zone 1	Qwest \$27.90 Verizon \$28.72	Zone 1	Qwest \$27.90 Verizon \$28.72
Zone 2	Qwest \$50.40 Verizon \$51.66	Zone 2	Qwest \$50.40 Verizon \$51.66
Zone 3	Qwest \$112.42 Verizon \$100.32	Zone 3	Qwest \$112.42 Verizon \$100.32
(3) DS1 and PRI ISDN	\$87.37	DS1 and Primary ISDN NAC	\$87.37
(4) DS3	\$363.42	DS3 NAC	\$363.42
(5) Higher Capacity Loop (Ocn)	#		
(6) Dark Fiber Loop	##	Dark Fiber	##
(7) 2-Wire ISDN Extension	\$23.54 ISSUE (6) Whether this charge applies only to loops greater than 18 kilofeet. RESOLVED ¹¹	NETWORK ACCESS CHANNEL CONNECTION NACC ISDN Ext (>18K')	\$23.54
(8) IDLC Interconnection	##	IDLC Interconnection	##
(9) Splitter	ISSUE (7) Should ILECs be required to provide line splitters? RESOLVED ¹²		

¹¹ The parties agree to the application of this charge as a UNE when the UNE (ISDN BRI loop) being provided is served by DLC (or other pair gain) technology. In principle, the parties do not agree on the application of the charge when the UNE (ISDN BRI loop) being provided is served by copper technology. However, in order to expedite the mapping of building blocks to UNEs in this proceeding, the parties agree that this charge will apply to copper technology when requested by a CLEC. AT&T reserves the right to raise the issue of the appropriate application of this charge in a separate proceeding.

¹² The parties agree that this issue should be removed from this proceeding and be addressed by the Commission in a separate proceeding.

Indicates that there is no Commission default cost or price for the item.

Indicates that the Commission is investigating a default cost and price for the item in docket UM 773.

Note: All of the UNEs herein are meant to be consistent with 47 C.F.R. § 51.319, as revised by the FCC's *Third Report and Order, Re Implementation of the Local Competition Provisions of the Telecommunications Act of 1996*, released November 5, 1999 (FCC 99-238), 15 FCC Rcd 3696 (1999), also known as the FCC's *Rule 319 Remand Order*. The parties agree that there may be components of those UNEs that are not set forth in the Matrix.

To the extent that there are additional components that need to be costed and priced, they will be addressed in a separate proceeding. Any person may request or petition the Commission to modify the list of UNEs, or identify additional components, as permitted by law.

UNBUNDLED NETWORK ELEMENT / BUILDING BLOCK MATRIX (Revised 11/8/01) ORDER NO. 01-1106

Unbundled Network Elements (UNE)	UNE Recurring Rate	Building Block	Building Block Recurring Rate
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(10) Channel Performance ¹³	ISSUE (8) Are any or all of the channel performance building blocks features, functionalities, and capabilities of the loop UNE? If not, are any of them UNEs? RESOLVED¹⁴	CHANNEL PERFORMANCE AND OTHER FUNCTIONS	
Low Speed		Low Speed	
Control Status Channel	\$6.18	Control Status Channel	\$6.18
McCulloch Alarm – Type	\$3.17	McCulloch Alarm – Type	\$3.17
DC Channel	\$0.00	DC Channel	\$0.00
Telegraph 0-75 Baud	\$10.27	Telegraph 0-75 Baud	\$10.27
Telegraph 0-150 Baud	\$11.20	Telegraph 0-150 Baud	\$11.20
McCulloch Bridging, per Port	\$0.16	McCulloch Bridging, per Port	\$0.16
Telegraph Bridging 0-75 Baud	\$13.97	Telegraph Bridging 0-75 Baud	\$13.97
Voice Grade		Voice Grade	
Code Select Ringdown	\$17.54	Code Select Ringdown	\$17.54
Manual Ringdown	\$20.59	Manual Ringdown	\$20.59
Auto Ringdown	\$11.73	Auto Ringdown	\$11.73
Loop Start Signaling – Type LA	\$9.40	Loop Start Signaling – Type LA	\$9.40
Loop Start Signaling – Type LB	\$6.53	Loop Start Signaling – Type LB	\$6.53

¹³ Purchase of channel Performance not restricted to Loop UNE.

¹⁴ The parties agree that the items shown by strikeout are obsolete and should be deleted as UNEs. The parties do not agree that the remaining items are UNEs but do agree to the following position. Both Verizon and Qwest agree to make available the remaining channel performance items if they are included with a current loop being utilized by a current customer. For new applications, Verizon agrees to provide multiplexing (i.e., single channel to DS1), as may be required by the customer and where available as part of the multiplexing equipment, for each of the remaining channel performance items, with the exception of E & M Signaling. Other than multiplexing equipment, Verizon will not provide other central office circuit equipment (i.e., data bridging equipment, supplemental loop extender equipment) for new customer applications involving the remaining channel performance items. Finally, Qwest agrees to provide the remaining channel performance items for new customer applications to the extent offered to its own end users.

Indicates that there is no Commission default cost or price for the item.

Indicates that the Commission is investigating a default cost and price for the item in docket UM 773.

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UNBUNDLED NETWORK ELEMENT / BUILDING BLOCK MATRIX (Revised 11/8/01) ORDER NO. 01-1106

Unbundled Network Elements (UNE)	UNE Recurring Rate	Building Block	Building Block Recurring Rate
Loop Start Signaling – Type LC	\$6.80	Loop Start Signaling – Type LC	\$6.80
Loop Start Signaling – Type LO	\$4.48	Loop Start Signaling – Type LO	\$4.48
Loop Start Signaling – Type LS	\$10.65	Loop Start Signaling – Type LS	\$10.65
No Signaling	\$6.93	No Signaling	\$6.93
E & M Signaling	\$16.03	E & M Signaling	\$16.03
Ground Start Signaling	\$13.30	Ground Start Signaling	\$13.30
Resistive Bridging (Voice/Data) 4-wire	\$4.43	Resistive Bridging (Voice/Data) 4-wire	\$4.43
Data Stream	\$8.79	Data Stream	\$8.79
Basic – No Signaling	\$2.51	Basic – No Signaling	\$2.51
Resistive Bridging (Voice) 2-wire	\$4.02	Resistive Bridging (Voice) 2-wire	\$4.02
Resistive Bridging (Data) 2-wire	\$4.02	Resistive Bridging (Data) 2-wire	\$4.02
C-Conditioning	\$0.64	C-Conditioning	\$0.64
Data Capability	\$0.00	Data Capability	\$0.00
Improved Attenuation Distortion	\$0.00	Improved Attenuation Distortion	\$0.00
Effective 4-wire Transmission	\$7.26	Effective 4-wire Transmission	\$7.26
Data Channel Terminating Equipment	\$1.98	Data Channel Terminating Equipment	\$1.98
	ISSUE (9) Whether this building block is customer premises equipment (CPE) that ILECs no longer provide, and therefore should be deleted. RESOLVED ¹⁵		
Digital Data		Digital Data	
Digital Data Service 2.4 kbps	\$13.31	Digital Data Service 2.4 kbps	\$13.31
Digital Data Service 4.8 kbps	\$10.02	Digital Data Service 4.8 kbps	\$10.02
Digital Data Service 9.6 kbps	\$10.02	Digital Data Service 9.6 kbps	\$10.02
Digital Data Service 56 kbps	\$10.02	Digital Data Service 56 kbps	\$10.02

¹⁵ The parties agree that this item is obsolete and should be deleted as a UNE.

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Note: All of the UNEs herein are meant to be consistent with 47 C.F.R. § 51.319, as revised by the FCC's *Third Report and Order, Re Implementation of the Local Competition Provisions of the Telecommunications Act of 1996*, released November 5, 1999 (FCC 99-238), 15 FCC Rcd 3696 (1999), also known as the FCC's *Rule 319 Remand Order*. The parties agree that there may be components of those UNEs that are not set forth in the Matrix.

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UNBUNDLED NETWORK ELEMENT / BUILDING BLOCK MATRIX (Revised 11/8/01) ORDER NO. 01-1106

Unbundled Network Elements (UNE)	UNE Recurring Rate	Building Block	Building Block Recurring Rate
Digital Data Service 64 kbps	\$12.79	Digital Data Service 64 kbps	\$12.79
Digital Data Central Office Bridging	\$2.31	DD Central Office Bridging	\$2.31
B. SUBLOOP	#		
		INTERCONNECTION BUILDING BLOCKS	
(1) Intra-Premise Riser Cable Facilities	##	Intra-Premise Riser Cable Facilities	##
	ISSUE (10) Whether this building block should be deleted. RESOLVED¹⁶	Loop Concentration	##
	ISSUE (11) Whether this building block should be deleted. RESOLVED¹⁷	RSD Interconnection	##
(2) No other subloop components identified as part of the UNE Mapping process. It is anticipated that a full list will be developed elsewhere.			
3. HIGH FREQUENCY LOOP SPECTRUM	#		
4. NETWORK INTERFACE DEVICE (NID)	##	NETWORK ACCESS CHANNEL CONNECTION Network Interface Device (NID)	##
5. INTEROFFICE TRANSMISSION FACILITIES		INTEROFFICE TRANSPORT	

¹⁶ The parties agree that this item is provided as part of the circuit switching UNE, as part of the loop/subloop UNEs, or as part of the multiplexing UNE, and can be deleted as a separate UNE.

¹⁷ The parties agree that this item is provided as part of the circuit switching UNE or as part of the loop/subloop UNEs, and can be deleted as a separate UNE.

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Note: All of the UNEs herein are meant to be consistent with 47 C.F.R. § 51.319, as revised by the FCC's *Third Report and Order, Re Implementation of the Local Competition Provisions of the Telecommunications Act of 1996*, released November 5, 1999 (FCC 99-238), 15 FCC Rcd 3696 (1999), also known as the FCC's *Rule 319 Remand Order*. The parties agree that there may be components of those UNEs that are not set forth in the Matrix.

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UNBUNDLED NETWORK ELEMENT / BUILDING BLOCK MATRIX (Revised 11/8/01) ORDER NO. 01-1106

Unbundled Network Elements (UNE)	UNE Recurring Rate	Building Block	Building Block Recurring Rate
A. DEDICATED INTEROFFICE TRANSPORT			
(1) ILEC to ILEC Dedicated Transport			
DS0 Fixed Per Termination and Per Mile		DS0 (Transport Term Dedicated/Transport Facility Dedicated)	
DS0 / 0 Miles	\$19.74/\$0.00	DS0 / 0 Miles	\$19.74/\$0.00
DS0 /over 0 to 8 Miles	\$19.74/\$0.09	DS0 / 0 to 8 Miles	\$19.74/\$0.09
DS0 / 8 to 25 Miles	\$19.74/\$0.08	DS0 / 8 to 25 Miles	\$19.74/\$0.08
DS0 / 25 to 50 Miles	\$19.74/\$0.11	DS0 / 25 to 50 Miles	\$19.74/\$0.11
DS0 / Over 50 Miles	\$19.74/\$0.08	DS0 / Over 50 Miles	\$19.74/\$0.08
DS1 Fixed Per Termination and Per Mile		DS1 (Transport Term Dedicated/Transport Facility Dedicated)	
DS1 / 0 Miles	\$37.94/\$0.00	DS1 / 0 Miles	\$37.94/\$0.00
DS1 / over 0 to 8 Miles	\$37.94/\$0.49	DS1 / 0 to 8 Miles	\$37.94/\$0.49
DS1 / 8 to 25 Miles	\$37.94/\$0.85	DS1 / 8 to 25 Miles	\$37.94/\$0.85
DS1 / 25 to 50 Miles	\$37.94/\$1.16	DS1 / 25 to 50 Miles	\$37.94/\$1.16
DS1 / Over 50 Miles	\$37.94/\$1.17	DS1 / Over 50 Miles	\$37.94/\$1.17
DS3 Fixed Per Termination and Per Mile		DS3 (Transport Term Dedicated/Transport Facility Dedicated)	
DS3 / 0 Miles	\$253.13/\$0.00	DS3 / 0 Miles	\$253.13/\$0.00
DS3 / over 0 to 8 Miles	\$253.13/\$9.95	DS3 / 0 to 8 Miles	\$253.13/\$9.95
DS3 / 8 to 25 Miles	\$253.13/\$10.19	DS3 / 8 to 25 Miles	\$253.13/\$10.19
DS3 / 25 to 50 Miles	\$253.13/\$14.27	DS3 / 25 to 50 Miles	\$253.13/\$14.27
DS3 / Over 50 Miles	\$253.13/\$21.11	DS3 / Over 50 Miles	\$253.13/\$21.11
Higher Capacity (OCn)	#		
(2) ILEC to CLEC Dedicated Transport	#		
(3) Multiplexing¹⁸		INTERCONNECTION BUILDING BLOCKS	
DS1 to DS0	\$212.76	Multiplexing DS1 to DS0	\$212.76

¹⁸ Purchase of multiplexing not restricted to Interoffice Transmission UNE.

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UNBUNDLED NETWORK ELEMENT / BUILDING BLOCK MATRIX (Revised 11/8/01) ORDER NO. 01-1106

Unbundled Network Elements (UNE)	UNE Recurring Rate	Building Block	Building Block Recurring Rate
DS3 to DS1	\$203.54	Multiplexing DS3 to DS1	\$203.54
(4) Digital Cross Connect System¹⁹	#		
B. DARK FIBER TRANSPORT	##	DARK FIBER TRANSPORT	##
C. SHARED TRANSPORT PER MINUTE	#		
Transport Terminations Per Minute²⁰		INTEROFFICE TRANSPORT	
Over 0-8 Miles	\$0.000372	Transport Termination Switched/0-8 per minute	\$0.000372
8-25 Miles	\$0.000372	Transport Termination Switched/8-25 per minute	\$0.000372
25-50 Miles	\$0.000372	Transport Termination Switched/25-50 per minute	\$0.000372
Over 50 Miles	\$0.000372	Transport Termination Switched/50+ per minute	\$0.000372
Common Transport Facilities Per Minute-Mile²¹			
Over 0-8 Miles	\$0.000005	Transport Facilities Common/0-8 per minute-mile	\$0.000005
8-25 Miles	\$0.000007	Transport Facilities Common/8-25 per minute-mile	\$0.000007
25-50 Miles	\$0.000008	Transport Facilities Common/25-50 per minute-mile	\$0.000008
Over 50 Miles	\$0.000012	Transport Facilities Common/50+ per minute-mile	\$0.000012

¹⁹ Purchase of Digital Cross Connect System not restricted to Interoffice Transmission UNE.

²⁰ This rate element is not available as a separate shared transport UNE. Rates shown are for use in calculating the per minute shared transport charge and for interconnection compensation. Must be purchased along with a switch port.

²¹ This rate element is not available as a separate shared transport UNE. Rates shown are for use in calculating the per minute shared transport charge and for interconnection compensation.

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UNBUNDLED NETWORK ELEMENT / BUILDING BLOCK MATRIX (Revised 11/8/01) ORDER NO. 01-1106

Unbundled Network Elements (UNE)	UNE Recurring Rate	Building Block	Building Block Recurring Rate
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6. SWITCHING CAPABILITY		SWITCHING	
A. LOCAL CIRCUIT SWITCHING CAPABILITY INCLUDING TANDEM SWITCHING²²			
(1) Local Tandem Switching			
Tandem Switching Per Minute of Use	\$0.001596	Tandem Switching	\$0.001596
(2) Local Switching			
End Office Switching Per Minute ²³	\$0.001330	End Office Switching Per Minute Originating End Office Switching Per Minute Terminating End Office Switching Per Minute Intra Office	\$0.001463 \$0.001330 \$0.001330
(3) Switch Ports		NETWORK ACCESS CHANNEL CONNECTION	
DS0 Switched Line Side	\$1.14	NACC DS0 Switched Lineside	\$1.14
DS0 Coin	#		
	ISSUE (12) Whether the FCC has excluded switch ports for coin phones from UNEs. RESOLVED²⁴		
DS0 Analog Trunk Port	\$12.33	NACC DS0 Switched Trunkside	\$12.33
DS1 Switched Line Side (DID/DOD/PBX Capable)	\$68.60	NACC DS1 Switched Lineside	\$68.60

²² Pursuant to CFR 51.319(c)(1)(B), the incumbent LEC “shall not be required to unbundle local circuit switching for requesting telecommunications carriers when the requesting telecommunications carrier serves end-users with four or more voice grade (DS0) equivalents or lines, and the incumbent LEC’s local circuit switches are located in: (i)The top 50 Metropolitan Statistical Areas as set forth in Appendix B of the *Third Report and Order and Fourth Further Notice of Proposed Rulemaking* in CC Docket No. 96-98, and (ii)In Density Zone 1, as defined in §69.123 on January 1, 1999”.

²³ End office switching rate applies to originating, terminating, and intraoffice switching. Must be purchased along with a switch port.

²⁴ The parties agree that this item will be provided as a UNE.

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UNBUNDLED NETWORK ELEMENT / BUILDING BLOCK MATRIX (Revised 11/8/01) ORDER NO. 01-1106

Unbundled Network Elements (UNE)	UNE Recurring Rate	Building Block	Building Block Recurring Rate
DS1 Local Message Trunk Port	\$78.24	NACC DS1 Switched Trunkside	\$78.24
DS1 PRI ISDN Trunk Port	#		
Digital Line Side Port (Supporting BRI ISDN)	\$6.09	NACC ISDN	\$6.09
(4) Switching Features²⁵	ISSUE (13) Whether Switching Features should be sold separately as shown below, included in the port charge, or combined together in one or more typical feature baskets. (Note: If the Commission selects either of the latter two options, it would need to set new prices for the port or the feature baskets.) RESOLVED²⁶	SWITCHING FEATURES	
Call Hold – Centrex	\$0.05	Call Hold – Centrex	\$0.05
Call Transfer	\$0.31	Call Transfer	\$0.31
Three Way Calling	\$0.12	Three Way Calling	\$0.12
Hunting – Centrex	\$0.05	Hunting – Centrex	\$0.05
Call Pickup	\$0.06	Call Pickup	\$0.06
Call Waiting/Cancel Call Waiting	\$0.11	Call Waiting	\$0.11
Distinctive Ringing	\$0.08	Distinctive Ringing	\$0.08
Hot Line – Centrex	\$0.10	Hot Line – Centrex	\$0.10
Warm Line	\$0.07	Warm Line	\$0.07
Speed Call - Customer Changeable	\$0.06	Speed Call Long	\$0.06

²⁵ Switching features provided where available. Must be purchased along with a switch port.

²⁶ The parties agree these building blocks and associated prices should be mapped as individual UNEs, and the costs and prices for these and additional switch feature UNEs should be addressed by the Commission in a separate proceeding.

Indicates that there is no Commission default cost or price for the item.

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Note: All of the UNEs herein are meant to be consistent with 47 C.F.R. § 51.319, as revised by the FCC's *Third Report and Order, Re Implementation of the Local Competition Provisions of the Telecommunications Act of 1996*, released November 5, 1999 (FCC 99-238), 15 FCC Rcd 3696 (1999), also known as the FCC's *Rule 319 Remand Order*. The parties agree that there may be components of those UNEs that are not set forth in the Matrix.

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UNBUNDLED NETWORK ELEMENT / BUILDING BLOCK MATRIX (Revised 11/8/01) ORDER NO. 01-1106

Unbundled Network Elements (UNE)	UNE Recurring Rate	Building Block	Building Block Recurring Rate
	Included in Speed Call – Customer Changeable.	Speed Call Short	\$0.06
Call Forwarding Busy Line	\$0.25	Call Forward Busy Line	\$0.25
Call Forwarding Don't Answer	\$0.18	Call Forward Don't Answer	\$0.18
Call Forwarding Variable	\$0.12	Call Forward Variable	\$0.12
Call Forward Busy/Don't Answer	\$0.35	Call Forward Busy/Don't Answer – Centrex	\$0.35
CLASS – Calling Name & Number	\$0.25	Calling Name and Number Delivery	\$0.25
CLASS – Calling Number Delivery	\$0.08	Calling Number Delivery	\$0.08
Calling Name Delivery	\$0.17	Calling Name Delivery	\$0.17
CLASS – Calling Number Delivery – Blocking	\$0.00	Calling Number Delivery Blocking	\$0.00
CLASS – Continuous Redial	\$0.99	Continuous Redial	\$0.99
Customer Originated Trace	\$0.91	Customer Originated Trace	\$0.91
CLASS – Last Call Return	\$0.24	Last Call Return	\$0.24
CLASS – Priority Calling	\$0.74	Priority Calling	\$0.74
CLASS – Selective Call Forwarding	\$0.62	Selective Call Forwarding	\$0.62
CLASS – Selective Call Rejection	\$1.28	Selective Call Rejection	\$1.28
Centrex Standard Features	\$2.46	Centrex Standard Features	\$2.46
Intercom 6	\$0.83	Intercom 6	\$0.83
Intercom 30	\$1.80	Intercom 30	\$1.80
Digital Facility Interface	\$52.16	Digital Facility Interface	\$52.16
Voice Messaging	\$6.95	Voice Messaging	\$6.95
Voice Messaging	\$6.95	Call Answer – Centrex	\$8.00
Appendices A and B display a complete list of features for Qwest and Verizon respectively. Features not listed above are incorporated by reference. Prices have not been developed for the additional features.	#		
(5) Customized Routing	##	Customized Routing Functions	##

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UNBUNDLED NETWORK ELEMENT / BUILDING BLOCK MATRIX (Revised 11/8/01) ORDER NO. 01-1106

Unbundled Network Elements (UNE)	UNE Recurring Rate	Building Block	Building Block Recurring Rate
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B. PACKET SWITCHING CAPABILITY²⁷	ISSUE (14) Do the three building blocks shown below MAP to the Packet Switching UNE? RESOLVED²⁸	#	
Digital Data Public Packet Switching Network	\$8.67	Digital Data Public Packet Switching Network	\$8.67
56 KBPS 1 PVC	\$22.23	56 KBPS 1 PVC	\$22.23
1.544 MBPS 2 PVCs	\$255.20	1.544 MBPS 2 PVCs	\$255.20
7. SIGNALING NETWORKS AND CALL-RELATED DATABASES			
A. SIGNALING NETWORKS			
Common Channel Signaling/SS7²⁹	##	SS7 BUILDING BLOCKS	
		STP	##
		Access Link Facilities	##
		Bridge Link Facilities	##
		Signaling Parameter (ISUP)	##
		Signaling Parameter (TCAP)	##

²⁷ Pursuant to CFR 51.319(c)(3), incumbent LECs must provide packet switching capability only in circumstances specified by the rule.

²⁸ The parties agree that these building blocks do not map to the Packet Switching UNE. The Packet Switching UNE should be investigated in a separate proceeding.

²⁹ Items listed under the SS7 Building Blocks are not carried over to the Common Channel Signaling/SS7 UNE because there have been significant changes to the SS7 structure since the SS7 Building Blocks were identified in Order No. 96-283.

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UNBUNDLED NETWORK ELEMENT / BUILDING BLOCK MATRIX (Revised 11/8/01) ORDER NO. 01-1106

Unbundled Network Elements (UNE)	UNE Recurring Rate	Building Block	Building Block Recurring Rate
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B. CALL-RELATED DATABASES ³⁰		Call-Related Databases	#
(1) Line Information Database (LIDB)	##	Line Information Database (LIDB)	##
(2) 8XX Database Query Service	##	8XX Database Query Service	##
(3) ICNAM	#		
(4) Enhanced 911 (E-911)³¹	ISSUE (15) Are any of these building blocks required as UNEs? RESOLVED³²	ENHANCED 911 BUILDING BLOCKS	
Code Recognition	\$10.30	Code Recognition	\$10.30
Automatic Number Identification	\$21.71	Automatic Number Identification	\$21.71
Automatic Location Identification	\$10.02	Automatic Location Identification	\$10.02
Automatic Location Identification/Selective Routing	\$10.13	Automatic Location Identification/Selective Routing	\$10.13
Selective Routing Incoming Trunks	\$28.07	Selective Routing Incoming Trunks	\$28.07
Selective Routing Outgoing Trunks	\$33.27	Selective Routing Outgoing Trunks	\$33.27
Automatic Location Identification Node Port	\$133.02	Automatic Location Identification Node Port	\$133.02
(5) Information and Billing Services Data		ANCILLARY SERVICE BUILDING BLOCKS	

³⁰ An incumbent must provide access to its call-related databases for purposes of switch query and database response through a signaling network. A complete list of Call-Related Databases has not been identified.

³¹ An incumbent LEC must provide access to the incumbent LEC's own 911 and E911 databases where it maintains and operates its own 911 and E911 databases.

³² The parties agree to delete this item as a UNE.

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Note: All of the UNEs herein are meant to be consistent with 47 C.F.R. § 51.319, as revised by the FCC's *Third Report and Order, Re Implementation of the Local Competition Provisions of the Telecommunications Act of 1996*, released November 5, 1999 (FCC 99-238), 15 FCC Rcd 3696 (1999), also known as the FCC's *Rule 319 Remand Order*. The parties agree that there may be components of those UNEs that are not set forth in the Matrix.

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UNBUNDLED NETWORK ELEMENT / BUILDING BLOCK MATRIX (Revised 11/8/01) ORDER NO. 01-1106

Unbundled Network Elements (UNE)	UNE Recurring Rate	Building Block	Building Block Recurring Rate
Information and Billing Services Data	\$0.04	Information and Billing Services Data	\$0.04
	ISSUE (16) Should this building block be mapped to a UNE and, if so, how? RESOLVED ³³		
C. SERVICE MANAGEMENT SYSTEMS ³⁴	#		
Advanced Intelligent Network (AIN) ³⁵	#		
8. OPERATOR SERVICES AND DIRECTORY ASSISTANCE ³⁶			
A. OPERATOR SERVICES		ANCILLARY SERVICE BUILDING BLOCKS	
(1) Intercept	##	Intercept	##
(2) Operator Assistance	##	Operator Assistance	##
(3) Operator Service Charges – Basic Calling Card	\$0.24	Operator Service Charges – Basic Calling Card	\$0.24
(4) Operator Service Charges – Station (Including Connect to Directory Assistance)	\$0.46	Operator Service Charges – Station (Incl. Connect to DA)	\$0.46

³³ The parties agree to delete this as a separate UNE and the function (usage files provided to CLECs) will be provided under access to Operational Support Systems (OSS), or as provided in applicable interconnection agreements. Parties may request the Commission to review costs and prices in a separate proceeding.

³⁴ A complete list of Service Management Systems computer databases has not been identified.

³⁵ Pursuant to CFR 51.319(e)(3)(C), an incumbent LEC to "provide a requesting telecommunications carrier the same access to design, create, test and deploy Advanced Intelligent Network-based services as the service management system, through a service creation environment, that the incumbent LEC provides to itself."

³⁶ Pursuant to CFR.51.319(f), incumbent LECs must provide operator services and directory assistance only where the incumbent LEC does not provide the requesting telecommunications carrier with customized routing or a compatible signaling protocol.

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Unbundled Network Elements (UNE)	UNE Recurring Rate	Building Block	Building Block Recurring Rate
(5) Operator Service Charges – Person	\$2.07	Operator Service Charges - Person	\$2.07
(6) Operator Service Charges – Busy Line Verify	\$0.67	Operator Service Charges – Busy Line Verify	\$0.67
(7) Operator Service Charges – Busy Line Interrupt	\$0.82	Operator Service Charges – Busy Line Interrupt	\$0.82
(B) DIRECTORY ASSISTANCE	\$0.33	Directory Assistance	\$0.33
9. OPERATIONS SUPPORT SYSTEMS (OSS)	##	Operations Support Systems Functions	##

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UNBUNDLED NETWORK ELEMENT / BUILDING BLOCK MATRIX (Revised 11/8/01) ORDER NO. 01-1106

Unbundled Network Elements (UNE)	UNE Recurring Rate	Building Block	Building Block Recurring Rate
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BUILDING BLOCKS TO BE ELIMINATED BECAUSE THEY DO NOT: (1) TRANSLATE TO ANY UNE OR CROSS CONNECT FACILITY, OR (2) PROVIDE FUNCTIONALITY TO COMPETITIVE CARRIERS		LIST OF DELETED BUILDING BLOCKS	
		ANCILLARY SERVICE BUILDING BLOCKS	
	ISSUE (17) Are the billing and collection building blocks below part of a UNE such as OSS? RESOLVED ³⁷		
		Billing and Collections IAB (Access)	Existing tariff rates
		Billing and Collections CRIS (MTS/Local)	Existing tariff rates
		Billing and Collections CRIS (WATS/800)	Existing tariff rates
		Billing and Collections (Loop) Weighted	\$0.70
	Deleted pursuant to resolution of Issue 16.	Information and Billing Services Data	\$0.04
		Main Directory Listings Each	\$0.11
		Premium Listings	\$0.14
		Private Listings	\$0.09
		Measurement Polling	\$0.0001
		Customer ID Charge (800)	\$0.00
		CHANNEL PERFORMANCE	
	Deleted pursuant to resolution of Issue 8.	Low Speed	

³⁷ The parties agree to delete these items as UNEs.

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UNBUNDLED NETWORK ELEMENT / BUILDING BLOCK MATRIX (Revised 11/8/01) ORDER NO. 01-1106

Unbundled Network Elements (UNE)	UNE Recurring Rate	Building Block	Building Block Recurring Rate
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	Deleted pursuant to resolution of Issue 8.	Control Status Channel	\$6.18
	Deleted pursuant to resolution of Issue 8.	McCulloh Alarm – Type	\$3.17
	Deleted pursuant to resolution of Issue 8.	DC Channel	\$0.00
	Deleted pursuant to resolution of Issue 8.	Telegraph 0-75 Baud	\$10.27
	Deleted pursuant to resolution of Issue 8.	Telegraph 0 – 150 Baud	\$11.20
	Deleted pursuant to resolution of Issue 8.	McCulloh Bridging, per Port	\$0.16
	Deleted pursuant to resolution of Issue 8.	Telegraph Bridging 0-75 Baud	\$13.97
		Voice Grade	
	Deleted pursuant to resolution of Issue 8.	Data Stream	\$8.79
	Deleted pursuant to resolution of Issue 8.	Basic – No Signaling	\$2.51
	Deleted pursuant to resolution of Issue 8.	Resistive Bridging (Voice) 2-wire	\$4.02
	Deleted pursuant to resolution of Issue 8.	Resistive Bridging (Data) 2-wire	\$4.02
	Deleted pursuant to resolution of Issue 8.	C Conditioning	\$0.64
	Deleted pursuant to resolution of Issue 8.	Data Capability	\$0.00
	Deleted pursuant to resolution of Issue 8.	Improved Attenuation Distortion	\$0.00

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UNBUNDLED NETWORK ELEMENT / BUILDING BLOCK MATRIX (Revised 11/8/01) ORDER NO. 01-1106

Unbundled Network Elements (UNE)	UNE Recurring Rate	Building Block	Building Block Recurring Rate
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	Deleted pursuant to resolution of Issue 8.	Effective 4-wire Transmission	\$7.26
	Deleted pursuant to resolution of Issue 9.	Data Channel Terminating Equipment	\$1.88
		Local Area Data Service	\$0.00
		Digital Data	
	Deleted pursuant to resolution of Issue 8.	Digital Data Service 2.4 kbps	\$13.31
	Deleted pursuant to resolution of Issue 8.	Digital Data Service 4.8 kbps	\$10.92
	Deleted pursuant to resolution of Issue 8.	Digital Data Service 9.6 kbps	\$10.92
	Deleted pursuant to resolution of Issue 8.	Digital Data Service 56 kbps	\$10.92
	Deleted pursuant to resolution of Issue 8.	Digital Data Service 64 kbps	\$12.79
	Deleted pursuant to resolution of Issue 8.	DD Central Office Bridging	\$2.31
		Digital Conditioning (HDSL, ADSL)	##
	Deleted pursuant to resolution of Issue 14.	Digital Data Public Packet Switching Network	\$8.67
	Deleted pursuant to resolution of Issue 14.	56 KBPS – 1 PVC	\$22.23
	Deleted pursuant to resolution of Issue 14.	1.544 MBPS – 2 PVCs	\$255.29
		INTERCONNECTION BUILDING BLOCKS	
	Deleted pursuant to resolution of Issues 2 and 3.	Distribution Frame Term 4-wire	\$0.81
		Interim Number Portability	##

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Unbundled Network Elements (UNE)	UNE Recurring Rate	Building Block	Building Block Recurring Rate
		Cross Connection DS0	\$0.81
		Testing Access	##
	Deleted pursuant to resolution of Issue 10.	Loop Concentration	##
	Deleted pursuant to resolution of Issue 11.	RSD Interconnection	##
		NETWORK ACCESS CHANNEL	
		Digital NAC (Four Wire)	##
		NETWORK ACCESS CHANNEL CONNECTION	
		Jumper NAC DS3 Optical (Fiber)	\$7.54
		NACC Frame Relay	\$0.25
		NACC SMDS	\$0.85
	Deleted pursuant to resolution of Issue 5.	NACC DS0 Dedicated	\$0.12
	Deleted pursuant to resolution of Issue 5.	NACC DS1 Dedicated	\$0.44
	Deleted pursuant to resolution of Issue 5.	NACC DS3 Dedicated	\$3.05
		SS7 BUILDING BLOCKS	
		Service Management Systems	##
		ENHANCED 911 BUILDING BLOCKS	
	Deleted pursuant to resolution of Issue 15.	Code Recognition	\$10.30
	Deleted pursuant to resolution of Issue 15.	Automatic Number Identification	\$21.71
	Deleted pursuant to resolution of Issue 15.	Automatic Location Identification	\$10.02
	Deleted pursuant to resolution of Issue 15.	Automatic Location Identification/Selective Routing	\$10.13

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Unbundled Network Elements (UNE)	UNE Recurring Rate	Building Block	Building Block Recurring Rate
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	Deleted pursuant to resolution of Issue 15.	Selective Routing Incoming Trunks	\$28.07
	Deleted pursuant to resolution of Issue 15.	Selective Routing Outgoing Trunks	\$33.27
	Deleted pursuant to resolution of Issue 15.	Automatic Location Identification Node Port	\$133.92

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