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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	)	
Local Exchange Carriers to Requesting	)	ORDER
Telecommunications Carriers Pursuant	)	
to 47 C.F.R. §51.319.	)	

**DISPOSITION: APPLICATION FOR  
CLARIFICATION/RECONSIDERATION GRANTED**

On February 26, 2002, Qwest Corporation (Qwest) filed an application for Clarification/Reconsideration of Order No. 01-1106 entered in this docket on December 26, 2001. Qwest states that matrix attached to Order No. 01-1106 as Appendix B incorrectly lists voice messaging service as an unbundled network element (UNE). Qwest observes that voice messaging is not a telecommunications service under federal law and, therefore, is not subject to the unbundling requirements of the Telecommunications Act of 1996, 47 U.S.C. §151 *et seq.*

On March 7, 2002 Verizon Northwest Incorporated (Verizon) filed a reply supporting Qwest's application. On March 12, 2002, the Commission Staff filed a reply indicating that it does not oppose the application.

The Commission agrees that voice messaging service is not a UNE and should not have been included in Appendix B of Order No. 01-1106. A revised matrix is attached to this order.

**ORDER**

IT IS THEREFORE ORDERED that the application for clarification/reconsideration filed by Qwest Corporation is granted. Appendix B of Order No. 01-1106 is superceded by the revised matrix attached to this order.

Made, entered, and effective \_\_\_\_\_.

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**Roy Hemmingway**  
Chairman

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**Lee Beyer**  
Commissioner

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**Joan H. Smith**  
Commissioner

A party may appeal this order to a court pursuant to ORS 756.580.

# UNBUNDLED NETWORK ELEMENT / BUILDING BLOCK MATRIX REVISED PURSUANT TO ORDER NO. 02-164

Unbundled Network Elements (UNE)	UNE Recurring Rate	Building Block	Building Block Recurring Rate
<b>1. CROSS-CONNECT FACILITIES</b>			
<b>A. INTERCONNECTION TIE PAIR (ITP)<sup>1</sup></b>		NETWORK ACCESS CHANNEL CONNECTION	
(1) ITP-DS0 <sup>2</sup>	\$0.92	Jumper NAC DS0 (2-wire)	\$0.12
<p style="text-align: center;"><b>ISSUE (1)</b> Whether a new intra-office DS0 cable cost study is needed. <b>RESOLVED<sup>3</sup></b></p>			
(2) ITP-DS1 <sup>4</sup>	<del>\$11.09</del> \$6.05	Jumper NAC DS1 (4-wire)	\$1.01
<p style="text-align: center;"><b>ISSUE (2)</b> Whether Distribution Frame Term 4-wire should be used instead of Cross Connect DS1. <b>RESOLVED<sup>5</sup></b></p>			

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

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

<sup>3</sup> 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.

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

<sup>5</sup> 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 PURSUANT TO ORDER NO. 02-164

Unbundled Network Elements (UNE)	UNE Recurring Rate	Building Block	Building Block Recurring Rate
(3) ITP-DS3 Electrical <sup>6</sup>	\$36.35 <b>ISSUE (3)</b> Whether Distribution Frame Term 4-wire should be used instead of Cross Connect DS3. <b>RESOLVED</b> <sup>7</sup>	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.	<del>Distribution Frame Term 4-wire</del>	<del>\$0.84</del>
	See ITP-DS1	Cross Connection DS1	\$5.04
	See ITP-DS3 Electrical	Cross Connection DS3	\$15.57
<del><b>B. DIRECT CONNECT TIE CABLE</b></del>	<b>ISSUE (4)</b> Whether cabling from a CLEC collocation space direct to an ILEC frame is part of UNEs or collocation. <b>RESOLVED</b> <sup>8</sup>		
<b>C. FIBER OPTIC TERMINATION</b>	<b>##</b>	Fiber Optic Termination	<b>##</b>

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

<sup>7</sup> 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.

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

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Unbundled Network Elements (UNE)	UNE Recurring Rate	Building Block	Building Block Recurring Rate
<b>D. FIBER CROSS CONNECT</b>	<b>##</b>	Cross Connection Ocn	<b>##</b>
<del><b>E. DEDICATED CONNECTING CHANNEL</b></del>	<b>ISSUE (5)</b> Are these building blocks used in connection with combinations or EELs? If so, should they also include the distribution frame termination building blocks? <b>RESOLVED<sup>9</sup></b>	<del><b>NETWORK ACCESS CHANNEL CONNECTION</b></del>	
<del>DS0</del>	<del>\$0.12</del>	<del>NACC-DS0-Dedicated</del>	<del>\$0.12</del>
<del>DS1</del>	<del>\$0.44</del>	<del>NACC-DS1-Dedicated</del>	<del>\$0.44</del>
<del>DS3</del>	<del>\$3.05</del>	<del>NACC-DS3-Dedicated</del>	<del>\$3.05</del>
<b>2. LOCAL LOOP AND SUBLOOP</b>			
<b>A. LOCAL LOOP<sup>10</sup></b>		NETWORK ACCESS CHANNEL (NAC)	
<b>(1) 2-Wire</b>		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
<b>(2) 4-Wire</b>		Basic NAC (4-wire)	

<sup>9</sup> 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.

<sup>10</sup> 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).

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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
<b>(3) DS1 and PRI ISDN</b>	\$87.37	DS1 and Primary ISDN NAC	\$87.37
<b>(4) DS3</b>	\$363.42	DS3 NAC	\$363.42
<b>(5) Higher Capacity Loop (Ocn)</b>	#		
<b>(6) Dark Fiber Loop</b>	##	Dark Fiber	##
<b>(7) 2-Wire ISDN Extension</b>	\$23.54 <b>ISSUE (6)</b> Whether this charge applies only to loops greater than 18 kilofeet. <b>RESOLVED</b> <sup>11</sup>	NETWORK ACCESS CHANNEL CONNECTION NACC ISDN Ext (>18K')	\$23.54
<b>(8) IDLC Interconnection</b>	##	IDLC Interconnection	##
<del><b>(9) Splitter</b></del>	<b>ISSUE (7)</b> Should ILECs be required to provide line splitters? <b>RESOLVED</b> <sup>12</sup>		

<sup>11</sup> 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.

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

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Unbundled Network Elements (UNE)	UNE Recurring Rate	Building Block	Building Block Recurring Rate
<b>(10) Channel Performance<sup>13</sup></b>	<b>ISSUE (8)</b> 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? <b>RESOLVED<sup>14</sup></b>	CHANNEL PERFORMANCE AND OTHER FUNCTIONS	
<del>Low Speed</del>		<del>Low Speed</del>	
<del>Control Status Channel</del>	<del>\$6.18</del>	<del>Control Status Channel</del>	<del>\$6.18</del>
<del>McCulloch Alarm – Type</del>	<del>\$3.17</del>	<del>McCulloch Alarm – Type</del>	<del>\$3.17</del>
<del>DC Channel</del>	<del>\$0.00</del>	<del>DC Channel</del>	<del>\$0.00</del>
<del>Telegraph 0 – 75 Baud</del>	<del>\$10.27</del>	<del>Telegraph 0 – 75 Baud</del>	<del>\$10.27</del>
<del>Telegraph 0 – 150 Baud</del>	<del>\$11.20</del>	<del>Telegraph 0 – 150 Baud</del>	<del>\$11.20</del>
<del>McCulloch Bridging, per Port</del>	<del>\$0.16</del>	<del>McCulloch Bridging, per Port</del>	<del>\$0.16</del>
<del>Telegraph Bridging 0 – 75 Baud</del>	<del>\$13.07</del>	<del>Telegraph Bridging 0 – 75 Baud</del>	<del>\$13.07</del>
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

<sup>13</sup> Purchase of channel Performance not restricted to Loop UNE.

<sup>14</sup> 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.

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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
<del>Data Stream</del>	<del>\$8.79</del>	<del>Data Stream</del>	<del>\$8.79</del>
<del>Basic – No Signaling</del>	<del>\$2.51</del>	<del>Basic – No Signaling</del>	<del>\$2.51</del>
<del>Resistive Bridging (Voice) 2-wire</del>	<del>\$4.02</del>	<del>Resistive Bridging (Voice) 2-wire</del>	<del>\$4.02</del>
<del>Resistive Bridging (Data) 2-wire</del>	<del>\$4.02</del>	<del>Resistive Bridging (Data) 2-wire</del>	<del>\$4.02</del>
<del>C Conditioning</del>	<del>\$0.64</del>	<del>C Conditioning</del>	<del>\$0.64</del>
<del>Data Capability</del>	<del>\$0.00</del>	<del>Data Capability</del>	<del>\$0.00</del>
<del>Improved Attenuation Distortion</del>	<del>\$0.00</del>	<del>Improved Attenuation Distortion</del>	<del>\$0.00</del>
<del>Effective 4-wire Transmission</del>	<del>\$7.26</del>	<del>Effective 4-wire Transmission</del>	<del>\$7.26</del>
<del>Data Channel Terminating Equipment</del>	<del>\$1.88</del>	<del>Data Channel Terminating Equipment</del>	<del>\$1.88</del>
	<p><b>ISSUE (9)</b>                      Whether this building block is customer premises equipment (CPE) that ILECs no longer provide, and therefore should be deleted. <b>RESOLVED</b><sup>15</sup></p>		
<del>Digital Data</del>		<del>Digital Data</del>	
<del>Digital Data Service 2.4 kbps</del>	<del>\$13.31</del>	<del>Digital Data Service 2.4 kbps</del>	<del>\$13.31</del>
<del>Digital Data Service 4.8 kbps</del>	<del>\$10.02</del>	<del>Digital Data Service 4.8 kbps</del>	<del>\$10.02</del>
<del>Digital Data Service 9.6 kbps</del>	<del>\$10.02</del>	<del>Digital Data Service 9.6 kbps</del>	<del>\$10.02</del>
<del>Digital Data Service 56 kbps</del>	<del>\$10.02</del>	<del>Digital Data Service 56 kbps</del>	<del>\$10.02</del>

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

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Unbundled Network Elements (UNE)	UNE Recurring Rate	Building Block	Building Block Recurring Rate
<del>Digital Data Service 64 kbps</del>	<del>\$12.79</del>	<del>Digital Data Service 64 kbps</del>	<del>\$12.79</del>
<del>Digital Data Central Office Bridging</del>	<del>\$2.31</del>	<del>DD Central Office Bridging</del>	<del>\$2.31</del>
<b>B. SUBLOOP</b>	<b>#</b>		
		INTERCONNECTION BUILDING BLOCKS	
<b>(1) Intra-Premise Riser Cable Facilities</b>	<b>##</b>	Intra-Premise Riser Cable Facilities	<b>##</b>
	<b>ISSUE (10)</b> Whether this building block should be deleted. <b>RESOLVED</b> <sup>16</sup>	<del>Loop Concentration</del>	<b>##</b>
	<b>ISSUE (11)</b> Whether this building block should be deleted. <b>RESOLVED</b> <sup>17</sup>	<del>RSD Interconnection</del>	<b>##</b>
<b>(2) No other subloop components identified as part of the UNE Mapping process. It is anticipated that a full list will be developed elsewhere.</b>			
<b>3. HIGH FREQUENCY LOOP SPECTRUM</b>	<b>#</b>		
<b>4. NETWORK INTERFACE DEVICE (NID)</b>	<b>##</b>	NETWORK ACCESS CHANNEL CONNECTION Network Interface Device (NID)	<b>##</b>
<b>5. INTEROFFICE TRANSMISSION FACILITIES</b>		INTEROFFICE TRANSPORT	

<sup>16</sup> 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.

<sup>17</sup> 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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Unbundled Network Elements (UNE)	UNE Recurring Rate	Building Block	Building Block Recurring Rate
<b>A. DEDICATED INTEROFFICE TRANSPORT</b>			
<b>(1) ILEC to ILEC Dedicated Transport</b>			
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)	#		
<b>(2) ILEC to CLEC Dedicated Transport</b>			
<b>(3) Multiplexing<sup>18</sup></b>		INTERCONNECTION BUILDING BLOCKS	
DS1 to DS0	\$212.76	Multiplexing DS1 to DS0	\$212.76

<sup>18</sup> Purchase of multiplexing not restricted to Interoffice Transmission UNE.

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Unbundled Network Elements (UNE)	UNE Recurring Rate	Building Block	Building Block Recurring Rate
DS3 to DS1	\$203.54	Multiplexing DS3 to DS1	\$203.54
<b>(4) Digital Cross Connect System<sup>19</sup></b>	<b>#</b>		
<b>B. DARK FIBER TRANSPORT</b>	<b>##</b>	DARK FIBER TRANSPORT	<b>##</b>
<b>C. SHARED TRANSPORT PER MINUTE</b>	<b>#</b>		
<b>Transport Terminations Per Minute<sup>20</sup></b>		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
<b>Common Transport Facilities Per Minute-Mile<sup>21</sup></b>			
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

<sup>19</sup> Purchase of Digital Cross Connect System not restricted to Interoffice Transmission UNE.

<sup>20</sup> 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.

<sup>21</sup> 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.

**#** 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 PURSUANT TO ORDER NO. 02-164

Unbundled Network Elements (UNE)	UNE Recurring Rate	Building Block	Building Block Recurring Rate
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<b>6. SWITCHING CAPABILITY</b>		SWITCHING	
<b>A. LOCAL CIRCUIT SWITCHING CAPABILITY INCLUDING TANDEM SWITCHING<sup>22</sup></b>			
<b>(1) Local Tandem Switching</b>			
Tandem Switching Per Minute of Use	\$0.001596	Tandem Switching	\$0.001596
<b>(2) Local Switching</b>			
End Office Switching Per Minute <sup>23</sup>	\$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
<b>(3) Switch Ports</b>		NETWORK ACCESS CHANNEL CONNECTION	
DS0 Switched Line Side	\$1.14	NACC DS0 Switched Lineside	\$1.14
DS0 Coin	#		
	<b>ISSUE (12)</b> Whether the FCC has excluded switch ports for coin phones from UNEs. <b>RESOLVED<sup>24</sup></b>		
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

<sup>22</sup> 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”.

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

<sup>24</sup> The parties agree that this item will be provided as a UNE.

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# UNBUNDLED NETWORK ELEMENT / BUILDING BLOCK MATRIX REVISED PURSUANT TO ORDER NO. 02-164

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
<b>(4) Switching Features<sup>25</sup></b>	<p><b>ISSUE (13)</b> 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.) <b>RESOLVED<sup>26</sup></b></p>	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

<sup>25</sup> Switching features provided where available. Must be purchased along with a switch port.

<sup>26</sup> 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. **Voice Messaging is deleted pursuant to Order 02-164.**

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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 PURSUANT TO ORDER NO. 02-164

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
<del>Voice Messaging<sup>26</sup></del>	<del>\$6.95</del>	<del>Voice Messaging</del>	<del>\$6.95</del>
<del>Voice Messaging<sup>26</sup></del>	<del>\$6.95</del>	<del>Call Answer – Centrex</del>	<del>\$9.00</del>
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.	#		
<b>(5) Customized Routing</b>	<b>##</b>	Customized Routing Functions	<b>##</b>

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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. 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 PURSUANT TO ORDER NO. 02-164

Unbundled Network Elements (UNE)	UNE Recurring Rate	Building Block	Building Block Recurring Rate
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<b>B. PACKET SWITCHING CAPABILITY<sup>27</sup></b>	<b>#</b>		
	<b>ISSUE (14)</b> Do the three building blocks shown below MAP to the Packet Switching UNE? <b>RESOLVED<sup>28</sup></b>		
<del>Digital Data Public Packet Switching Network</del>	<del>\$8.67</del>	<del>Digital Data Public Packet Switching Network</del>	<del>\$8.67</del>
<del>56 KBPS 1 PVC</del>	<del>\$22.23</del>	<del>56 KBPS 1 PVC</del>	<del>\$22.23</del>
<del>1.544 MBPS 2 PVCs</del>	<del>\$255.29</del>	<del>1.544 MBPS 2 PVCs</del>	<del>\$255.29</del>
<b>7. SIGNALING NETWORKS AND CALL-RELATED DATABASES</b>			
<b>A. SIGNALING NETWORKS</b>			
<b>Common Channel Signaling/SS7<sup>29</sup></b>	<b>##</b>	SS7 BUILDING BLOCKS	
		STP	<b>##</b>
		Access Link Facilities	<b>##</b>
		Bridge Link Facilities	<b>##</b>
		Signaling Parameter (ISUP)	<b>##</b>
		Signaling Parameter (TCAP)	<b>##</b>

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

<sup>28</sup> 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.

<sup>29</sup> 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 PURSUANT TO ORDER NO. 02-164

Unbundled Network Elements (UNE)	UNE Recurring Rate	Building Block	Building Block Recurring Rate
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B. CALL-RELATED DATABASES <sup>30</sup>		Call-Related Databases	#
(1) Line Information Database (LIDB)	##	Line Information Database (LIDB)	##
(2) 8XX Database Query Service	##	8XX Database Query Service	##
(3) ICNAM	#		
<del>(4) Enhanced 911 (E-911)<sup>34</sup></del>	<b>ISSUE (15)</b> Are any of these building blocks required as UNEs? <b>RESOLVED<sup>32</sup></b>	<del>ENHANCED 911 BUILDING BLOCKS</del>	
<del>Code Recognition</del>	<del>\$10.30</del>	<del>Code Recognition</del>	<del>\$10.30</del>
<del>Automatic Number Identification</del>	<del>\$21.71</del>	<del>Automatic Number Identification</del>	<del>\$21.71</del>
<del>Automatic Location Identification</del>	<del>\$10.02</del>	<del>Automatic Location Identification</del>	<del>\$10.02</del>
<del>Automatic Location Identification/Selective Routing</del>	<del>\$10.13</del>	<del>Automatic Location Identification/Selective Routing</del>	<del>\$10.13</del>
<del>Selective Routing Incoming Trunks</del>	<del>\$28.07</del>	<del>Selective Routing Incoming Trunks</del>	<del>\$28.07</del>
<del>Selective Routing Outgoing Trunks</del>	<del>\$33.27</del>	<del>Selective Routing Outgoing Trunks</del>	<del>\$33.27</del>
<del>Automatic Location Identification Node Port</del>	<del>\$133.92</del>	<del>Automatic Location Identification Node Port</del>	<del>\$133.92</del>
<del>(5) Information and Billing Services Data</del>		<del>ANCILLARY SERVICE BUILDING BLOCKS</del>	

<sup>30</sup> 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.

<sup>31</sup> 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.

<sup>32</sup> The parties agree to delete this item as a UNE.

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# UNBUNDLED NETWORK ELEMENT / BUILDING BLOCK MATRIX REVISED PURSUANT TO ORDER NO. 02-164

Unbundled Network Elements (UNE)	UNE Recurring Rate	Building Block	Building Block Recurring Rate
<del>Information and Billing Services Data</del>	<del>\$0.04</del>	<del>Information and Billing Services Data</del>	<del>\$0.04</del>
	<b>ISSUE (16)</b> Should this building block be mapped to a UNE and, if so, how? <b>RESOLVED</b> <sup>33</sup>		
<b>C. SERVICE MANAGEMENT SYSTEMS</b> <sup>34</sup>	#		
<b>Advanced Intelligent Network (AIN)</b> <sup>35</sup>	#		
<b>8. OPERATOR SERVICES AND DIRECTORY ASSISTANCE</b> <sup>36</sup>			
<b>A. OPERATOR SERVICES</b>		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

<sup>33</sup> 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.

<sup>34</sup> A complete list of Service Management Systems computer databases has not been identified.

<sup>35</sup> 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."

<sup>36</sup> 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 ELEMENT / BUILDING BLOCK MATRIX REVISED PURSUANT TO ORDER NO. 02-164

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 PURSUANT TO ORDER NO. 02-164

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	
	<b>ISSUE (17)</b> Are the billing and collection building blocks below part of a UNE such as OSS? <b>RESOLVED</b> <sup>37</sup>		
		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	

<sup>37</sup> The parties agree to delete these items as UNEs.

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# UNBUNDLED NETWORK ELEMENT / BUILDING BLOCK MATRIX REVISED PURSUANT TO ORDER NO. 02-164

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 PURSUANT TO ORDER NO. 02-164

Unbundled Network Elements (UNE)	UNE Recurring Rate	Building Block	Building Block Recurring Rate
	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 ELEMENT / BUILDING BLOCK MATRIX REVISED PURSUANT TO ORDER NO. 02-164

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

**#** 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 PURSUANT TO ORDER NO. 02-164

Unbundled Network Elements (UNE)	UNE Recurring Rate	Building Block	Building Block Recurring Rate
	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
		SWITCHING FEATURES	
	Deleted pursuant to Order 02-164	Voice Messaging	\$6.95
	Deleted pursuant to Order 02-164	Call Answer – Centrex	\$8.00

# 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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