

EXECUTIVE SUMMARY

WASHINGTON

PART B UNBUNDLED NETWORK ELEMENTS - COMPLIANCE MODIFIED

Study ID # 3702

**2000
NONRECURRING COST STUDY**

FEBRUARY, 2001



Market Services And Economic Analysis Organization

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Workpapers:

Detailed cost results -

DETAIL OUTPUT

A. PURPOSE, SCOPE, AND APPLICATION

This study estimates forward-looking nonrecurring total element long run incremental costs Qwest will incur to provide Unbundled Network Elements. Nonrecurring costs represent the one-time costs that are incurred in order to establish and disconnect the service. The study identifies the costs for various work activities involved in providing the service. The study results represent fully allocated 2000 costs and may be used for pricing and other management decisions.

This study develops state wide average Total Element Long Run Incremental Costs (TELRIC). Costs are specific to the state of Washington and are stated on a per unit basis, unless specified otherwise. **Cost results are based on Commission Prescribed 9.63% Cost of Money (COM).**

B. DESCRIPTION OF SERVICE

Unbundled Network Element - Platform

A Co-Provider may order a pre-assembled combination of Unbundled Network Elements on an "as is" basis as defined as an existing 2 wire voice grade analog circuit connecting to a compatible port with like-to-like service. Such pre-assembled combinations of loop, switch line port and shared transport shall be ordered and converted to the Co-Provider in accordance with the ordering provisions for resale services.

Qwest is not required to assemble or combine on behalf of the Co-Provider any Unbundled Network Elements that have not been combined by Qwest at the time of the Co-Provider's order.

The cost is per first and each additional line per order; mechanized and manual. This applies to existing customers and new customers.

Subloop

Subloop is defined as any portion of the loop that is technically feasible to access at terminals in Qwest's outside plant, including inside wire (owned by Qwest). An accessible terminal is any point on the loop where technicians can access the wire or fiber within the cable without removing a splice case and/or digging up underground to reach the wire or fiber within.

Such access points may include, but are not limited to, the pole or pedestal, the network interface device (NID), the minimum point of entry, the single point of interconnection (at multi-unit premises), the main distribution frame, Serving Area Interface (SAI) and/or the remote terminal, and the feeder distribution interface (FDI).

Sub-Loop Unbundling is only available after a Co-Provider requested Field Connection Point (FCP) has been installed at the technically feasible access terminal.

The 2 Wire Unbundled Distribution Loop is a Qwest provided facility from the Qwest Serving Area Interface (SAI) to the Network Interface at the customer location.

B. DESCRIPTION OF SERVICE (Continued)

The Unbundled Distribution loop has the following characteristics:

- Metallic facilities only on carrier segments
- Tolerant of some bridged tap
- Loop may contain a mixture of cable gauges

An Interconnector gains access to these unbundled services at the SAI through an established Field Connection Point arrangement.

The UFL (**Unbundled Feeder Loop**) is a transmission path between a NI (Network Interface) in the Wire Center to the FCP (Field Connection Point) in the field. The NI in the Wire Center is the DS1 Interconnection Distribution Frame (ICDF) as described in PUB 77386. The NI in the FCP is a cross-connect or similar device.

The UFL is a DS1 Capable Loop. It transports bi-directional DS1 signals with a nominal transmission rate of 1.544 Mbit/s. DS1 Capable Loops will typically have one of the following configurations:

- Metallic-based span with High-Bit-Rate Digital Subscriber Line (HDSL) or T-1 carrier equipment.
- Channel of a fiber-based system.
- Combination of both fiber and metallic-based facilities.

The selection of transport configurations will be made by Qwest based on available technology.

The CLEC gains access to the Wire Center NI (the DS1 ICDF) by some form of Collocation as described in PUB 77386.

Certified Local Exchange Carriers (CLECs) may interconnect with Qwest at several locations. The following paragraphs describe the Point of Interconnection (POI) and Network Interface (NI) used in the field away from a Qwest Wire Center. This POI or NI is called the **Field Connection Point** (FCP).

The FCP is a cabinet or pedestal located near the loop Feeder/Distribution Interface (FDI). There may be some circumstances where more than one such enclosure may be required.

The FDI provides access to a loop and permits field access to Unbundled Feeder Loops (UFLs) and Unbundled Distribution Loops (UDLs). The FDI is sometimes known as a Serving Area Interface (SAI).

The cost is per first and each additional distribution loop and per first and each additional feeder loop ordered at the same time to the same location. Field Connection Point Quotation Preparation Fee is per occurrence.

B. DESCRIPTION OF SERVICE (Continued)

DS1 Capable Loop

A digital transmission path that transports bi-directional DS1 signals with a nominal transmission rate of 1.544 Mbps. The transmission path runs between a Qwest Serving Wire Center (SWC) Network Interface (NI) to the End User (EU) NI located at the EU's designated premises within the serving area of the SWC. The interconnector gains access to these unbundled services at the Qwest SWC through established Collocation arrangements. See Technical Publication 77384 for additional information.

The cost is per first and each additional distribution loop ordered at the same time to the same location.

DS3 Capable Loop

A digital transmission path that transports bi-directional DS3 signals with a nominal transmission rate of 44.736 Mbps. The transmission path runs between a Qwest Serving Wire Center (SWC) Network Interface (NI) to the End User (EU) NI located at the EU's designated premises within the serving area of the SWC. DS3 Capable Loops will be configured as a channel on a fiber-based system. The interconnector gains access to these unbundled services at the Qwest SWC through established Collocation arrangements. See Technical Publication 77384 for additional information.

The cost is per first and each additional distribution loop ordered at the same time to the same location.

Unbundled Dark Fiber

Unbundled Dark Fiber (UDF) is a deployed (existing), unit pair of fiber optic cable or strands that connects two points within Qwest's network. UDF is a single transmission path between two Qwest wire centers or between a Qwest wire center and an end user customer premise or Qwest outside plant structure (e.g., CEV, RT or HUT) in the same LATA and state. UDF exists in two distinct forms: (a) UDF Interoffice Facility (UDF-IOF), which constitutes an existing route between two fiber distribution panels located in two Qwest wire centers; and (b) UDF-Loop, which constitutes an existing loop between a Qwest wire center and a fiber distribution panel located at either an appropriate outside plant structure or an end-user customer premises. UDF is "in place", unused, dark fiber (no light generating, transmitting or receiving equipment), which is currently terminated on a Fiber Distribution Panel (FDP).

The costs are as follows:

Per occurrence, per route, first and each additional fiber pair.

Optical Cross-Connect, per fiber pair, per Central Office.

Initial Record Inquiry – CO to CO or CO to customer premise.

Mid-Span splice/structure point inquiry.

Field verification and quote preparation.

B. DESCRIPTION OF SERVICE (Continued)

Enhanced Extended Loop (EEL)

The Enhanced Extended Loop (EEL) is a private line transport like service available to Co-Providers. EEL originates in the Qwest wire center where the Co-Provider's equipment is collocated. The EEL provides the Co-Provider with the ability to access end users not located in the same Qwest Serving Wire Center collocated by the Co-Provider. EEL is available only in designated Qwest Serving Wire Centers where permitted by regulatory order. EEL may not cross LATAs.

The cost is per DSO, DS1, DS3 Enhanced Extended Link first and each additional.

Multiplexer costs are per DS1, DS3.

UDIT (Unbundled Dedicated Interoffice Transport)

Unbundled Dedicated Interoffice Transport (UDIT) provides the CLEC with a network element of a single transmission path between Qwest wire centers. The CLEC must have a presence and have requested Tie Cable capacity through the collocation process. The CLEC orders the UDIT from one local Qwest office to another. Qwest provides the interoffice facility.

UDIT is available in speeds of DSO, DS1, OC3, OC12 Transmission levels. The cost is per channel per order. Both end office terminations are included in the cost.

Unbundled Multiplexer

Unbundled Multiplexer is offered as a stand alone element associated with UDIT. A 3/1 Multiplexer provides the CLEC with the ability to de-multiplex the DS3 44.736 Mbps signal to 28 DS1 1.544 Mbps channels. The 3/1 Multiplexer includes a DS3 terminated at a DS3 ICDF Frame and 28 DS1s terminated at the DS1 ICDF Frame. A 1/0 Multiplexer provides the CLEC with the ability to de-multiplex the DS1 1.544 Mbps signal to 24 DSO 64 Kbps channels. The 1/0 Multiplexer includes a DS1 terminated at a DS1 ICDF Frame and 24 DSOs terminated at the intermediate distribution frame.

ACCESS TO POLES, DUCTS, CONDUITS AND RIGHT OF WAY

Pole, Innerduct Inquiry

These fees are intended to cover expenses associated with performing an internal record (database) review, preparing a cost estimate for the required field survey, public record review, setting up an account, and determining time frames for completion of each task to meet the CLECs Request.

The Pole Inquiry and Innerduct Inquiry costs are per mile.

B. DESCRIPTION OF SERVICE (Continued)

Pole, Innerduct (Manhole) Verification

Upon review and acceptance of signed Attachment 1.B and payment of the verification fees by the CLEC, Qwest will conduct facilities verification and provide the requested information which may or may not include the following: a review of public and internal Qwest right-of-way records for restrictions, identification of additional rights-of-way required; a field survey and site investigation of the Innerduct, including the preparation of distances and drawings, to determine availability on existing Innerduct; identification of any make-ready costs required to be paid by the CLEC, if applicable, prior to installing its facilities.

The pole verification cost is per pole.

The manhole verification cost is per manhole.

C. STUDY METHODOLOGY

The Nonrecurring Cost Program (NRC) performs mechanized cost calculations associated with the one time labor expense resulting from a customer request for service. Inputs to the calculations include: labor time, probability of occurrence, labor rate, and expense factors. Formatting commands performed by the program generate Total Element Long Run Incremental Cost (TELRIC) results.

Following is a description of the required data inputs:

Time Estimates: The time estimate is the average amount of time required to perform a particular work function. Time estimates are obtained from Subject Matter Experts who represent the groups doing the work.

Probabilities: A probability is the percentage of time Qwest performs a particular work function in the provision of a particular service offering. Probabilities are developed from reports and from the input of Subject Matter Experts.

Labor Rates: Directly assigned labor rates are based on expense data from the general ledger journal file (Service Order Processing/Other) and from the incurred expenses of Account 6534 (Plant) and 6535 (Engineering). The directly assigned labor rates consist of costs that can be attributed to the function being performed and are forward looking based on the wage and salary index, the percent change in the post-retirement benefits, and the Consumer Price Index. Components that make up labor rates include: basic wages and salaries, supervision and support, benefits, and other miscellaneous costs.

Expense Factors: The program applies expense factors to the direct cost. The factors include Commercial Marketing, Network Support, Directly Attributable, and Common.

C. STUDY METHODOLOGY (Continued)

Once the service provisioning process has been identified, the appropriate times, probabilities, and labor rate/work group identifiers are formatted into NRC Program input data sheets. The process specific input files are then inserted into the NRC Program. The program user selects run options on a menu, and the NRC program then accesses the appropriate input from the NRC program workbook spreadsheets to calculate cost results.

The cost calculations consist of Labor Time times Probability of Occurrence times Labor Rate equals Direct Cost. Added to the Direct Cost are appropriate Expense Factors that calculate and display **Total Direct (TELRIC)** Total Element Long Run Incremental Cost, **Direct plus Network Support**, **Direct plus Network Support plus Attributable**, and **Fully Allocated Costs**. (See *Section D, Description Of Total Element Long Run Incremental Costs* for a detailed description of the various cost levels)

D. DESCRIPTION OF TOTAL ELEMENT LONG RUN INCREMENTAL COSTS

Qwest Communications uses an incremental method to estimate product and service costs. It provides a measurement of costs over a period of time long enough to fully adjust to change in output (e.g., size of facilities, levels of investment) to optimally accommodate this change. This methodology is forward looking in nature (i.e. it uses the latest technology costs or replacement costs). Since this incremental methodology is forward looking, it does *not* measure historic investment decisions of the corporation.

The QWEST incremental format disaggregates the cost results on a unitized basis into the components shown below:

Total Service Long Run Incremental Cost (TSLRIC) -- Total Service Long Run Incremental cost is the forward-looking cost avoided (or added) by discontinuing (or offering) an entire service or group of services in the most efficient manner, holding constant the production of all other services produced by the firm. This cost is often referred to in economic terms as the *direct cost*.

Shared Cost (SC) -- The cost associated with the provision of multiple services (service family). This cost is not volume sensitive and is eliminated only if the entire service family is discontinued.

Total Service Long Run Incremental Costs plus Shared Costs (TSLRIC + SC) -- The total Service Long Run Incremental Costs for a service plus the Shared Costs of a family of services.

D. DESCRIPTION OF TOTAL ELEMENT LONG RUN INCREMENTAL COSTS (Continued)

Total Element Long Run Incremental Cost (TELRIC) -- Total Element Long Run Incremental cost, as defined by the Federal Communications Commission, is the sum of the forward-looking direct cost incurred in the production of a network element (as opposed to an entire service), attributed costs considered as shared under TSLRIC terminology and selected administrative costs considered as common under TSLRIC terminology.

Common Cost (CC)

For TSLRIC purposes, common costs are the current cost incurred for the benefit of the enterprise as a whole. This cost does not vary with the provision of a service or a service family. These costs are sometimes referred to as *general overhead costs*. The Common Cost added to the TSLRIC + SC produces a **Fully Allocated Cost (FAC)** as required by commission rules.

For TELRIC purposes, common costs are the current cost incurred for the benefit of the enterprise as a whole, after those costs that vary with the provisioning of individual network elements are removed. The costs removed from common for TELRIC purposes are included in TELRIC itself. **Total Element Long Run**

Incremental Cost plus TELRIC common costs (TELRIC + CC) form the basis for pricing of Interconnection network elements. TELRIC + CC is the equivalent of fully allocated cost as the term is applied to network elements.

Typically, the costs identified by these cost categories include capital costs for depreciation, return, and income taxes. TSLRIC also includes ongoing operating costs for: maintenance expense, assignable administration expense, product management expense, pre sales expense, sales compensation expense, expensed right to use fees, ad Valorem taxes and business fees.

E. Study Assumptions

The cost factors used in this study are based on Prescribed Lives.

F. STUDY SUMMARY

Study Summary

Study Name	<i>Washington Part B Unbundled network Elements</i>	
Study Requester	Terri Million	
Type of Study	<i>Total Element Long Run Incremental Costs (TELRIC)</i>	
Study ID	#3702	
Study Application	<i>Pricing Decisions and Tariff Support</i>	
Completion Date	<i>FEBRUARY, 2001</i>	
Cost Analyst	<i>Dan Deffley</i>	
Cost Models Used	Model	Version/Release Date
	<i>NRC</i>	<i>Version 2.05</i>
	<i>Cost Factor Databases</i>	<i>99WA02E</i>
Cost Factors Used	Factor	Effective Date
	<i>Commercial Marketing</i>	<i>01/00</i>
	<i>Network Support</i>	<i>01/00</i>
	<i>Attributable</i>	<i>01/00</i>
	<i>Common</i>	<i>01/00</i>
	Cost of Money	<i>9.63%</i>

Washington
 2000

Total Direct Costs and Common Costs

<i>Cost Element</i>	<i>Direct</i>	<i>+</i>	<i>Directly</i>	<i>=</i>	<i>Total</i>	<i>+</i>	<i>Directly</i>	<i>=</i>	<i>TELRIC</i>	<i>+</i>	<i>Common</i>	<i>=</i>	<i>TELRIC +</i>
			<i>Assn</i>		<i>Direct</i>		<i>Attrib</i>						<i>Common</i>
UNEC EXISTING POTS FIRST LINE (Mechanized)	\$6.14	+	\$0.69	=	\$6.82	+	\$2.08	=	\$8.90	+	\$0.49	=	\$9.39
UNEC EXISTING POTS EA ADDL LINE (Mechanized)	\$0.89	+	\$0.10	=	\$0.99	+	\$0.30	=	\$1.29	+	\$0.07	=	\$1.36
UNEC EXISTING POTS FIRST LINE (Manual)	\$11.75	+	\$1.32	=	\$13.07	+	\$3.98	=	\$17.05	+	\$0.94	=	\$17.98
UNEC EXISTING POTS EA ADDL LINE (Manual)	\$1.31	+	\$0.15	=	\$1.45	+	\$0.44	=	\$1.89	+	\$0.10	=	\$2.00
UNEC NEW POTS FIRST LINE (Mechanized) Install	\$24.61	+	\$2.77	=	\$27.37	+	\$8.33	=	\$35.71	+	\$1.96	=	\$37.67
UNEC NEW POTS FIRST LINE (Mechanized) Disconnect	\$2.28	+	\$0.26	=	\$2.54	+	\$0.77	=	\$3.31	+	\$0.18	=	\$3.49
UNEC NEW POTS EA ADDL LINE (Mechanized) Install	\$7.12	+	\$0.80	=	\$7.92	+	\$2.41	=	\$10.33	+	\$0.57	=	\$10.90
UNEC NEW POTS EA ADDL LINE (Mechanized) Disconnect	\$1.50	+	\$0.17	=	\$1.67	+	\$0.51	=	\$2.18	+	\$0.12	=	\$2.29
UNEC NEW POTS FIRST LINE (Manual) Install	\$29.31	+	\$3.30	=	\$32.60	+	\$9.92	=	\$42.52	+	\$2.34	=	\$44.86
UNEC NEW POTS FIRST LINE (Manual) Disconnect	\$5.42	+	\$0.61	=	\$6.02	+	\$1.83	=	\$7.86	+	\$0.43	=	\$8.29
UNEC NEW POTS EA ADDL LINE (Manual) Install	\$8.69	+	\$0.98	=	\$9.67	+	\$2.94	=	\$12.61	+	\$0.69	=	\$13.30
UNEC NEW POTS EA ADDL LINE (Manual) Disconnect	\$1.50	+	\$0.17	=	\$1.67	+	\$0.51	=	\$2.18	+	\$0.12	=	\$2.29
UNBUNDLED DISTRIBUTION SUBLOOP FIRST Install	\$42.57	+	\$4.79	=	\$47.36	+	\$14.42	=	\$61.77	+	\$3.39	=	\$65.17
UNBUNDLED DISTRIBUTION SUBLOOP FIRST Disconnect	\$3.92	+	\$0.44	=	\$4.36	+	\$1.33	=	\$5.68	+	\$0.31	=	\$5.99
UNBUNDLED DISTRIBUTION SUBLOOP EACH ADDITIONAL Install	\$10.67	+	\$1.20	=	\$11.87	+	\$3.61	=	\$15.49	+	\$0.85	=	\$16.34
UNBUNDLED DISTRIBUTION SUBLOOP EACH ADDITIONAL Disconnect	\$3.92	+	\$0.44	=	\$4.36	+	\$1.33	=	\$5.68	+	\$0.31	=	\$5.99
FEEDER SUB-LOOP FIRST Install	\$228.16	+	\$25.66	=	\$253.82	+	\$77.26	=	\$331.08	+	\$18.19	=	\$349.27
FEEDER SUB-LOOP FIRST Disconnect	\$20.22	+	\$2.27	=	\$22.49	+	\$6.85	=	\$29.34	+	\$1.61	=	\$30.95
FEEDER SUB-LOOP EACH ADDITIONAL Install	\$198.94	+	\$22.37	=	\$221.31	+	\$67.36	=	\$288.67	+	\$15.86	=	\$304.53
FEEDER SUB-LOOP EACH ADDITIONAL Disconnect	\$9.27	+	\$1.04	=	\$10.31	+	\$3.14	=	\$13.44	+	\$0.74	=	\$14.18
FIELD CONNECTION POINT QUOTATION PREPARATION FEE	\$1,182.31	+	\$132.96	=	\$1,315.27	+	\$400.36	=	\$1,715.62	+	\$94.26	=	\$1,809.89
DS1 CAPABLE LOOP BASIC INSTALL (EXISTING SERVICE) FIRST Install	\$69.83	+	\$7.85	=	\$77.68	+	\$23.64	=	\$101.32	+	\$5.57	=	\$106.89

Cost Element	Directly		Total		Directly		TELRIC +						
	Direct	+	Assn	=	Direct	+	Attrib	=	TELRIC	+	Common	=	Common
DS1 CAPABLE LOOP BASIC INSTALL (EXISTING SERVICE) FIRST Disconnect	\$20.22	+	\$2.27	=	\$22.49	+	\$6.85	=	\$29.34	+	\$1.61	=	\$30.95
DS1 CAPABLE LOOP BASIC INSTALL (EXISTING SERVICE) EA ADDL Install	\$68.37	+	\$7.69	=	\$76.05	+	\$23.15	=	\$99.20	+	\$5.45	=	\$104.65
DS1 CAPABLE LOOP BASIC INSTALL (EXISTING SERVICE) EA ADDL Disconnect	\$9.27	+	\$1.04	=	\$10.31	+	\$3.14	=	\$13.44	+	\$0.74	=	\$14.18
DS1 CAPABLE LOOP BASIC INSTALL PERFORMANCE TEST (NEW SERVICE) FIRST Install	\$211.19	+	\$23.75	=	\$234.94	+	\$71.51	=	\$306.46	+	\$16.84	=	\$323.29
DS1 CAPABLE LOOP BASIC INSTALL PERFORMANCE TEST (NEW SERVICE) FIRST Disconnect	\$20.22	+	\$2.27	=	\$22.49	+	\$6.85	=	\$29.34	+	\$1.61	=	\$30.95
DS1 CAPABLE LOOP PERFORMANCE TEST (NEW SERVICE) EA ADDL Install	\$192.70	+	\$21.67	=	\$214.37	+	\$65.25	=	\$279.62	+	\$15.36	=	\$294.98
DS1 CAPABLE LOOP PERFORMANCE TEST (NEW SERVICE) EA ADDL Disconnect	\$9.27	+	\$1.04	=	\$10.31	+	\$3.14	=	\$13.44	+	\$0.74	=	\$14.18
DS1 CAPABLE LOOP COORD INSTALL WITH COOPERATIVE TEST FIRST Install	\$240.02	+	\$26.99	=	\$267.01	+	\$81.28	=	\$348.29	+	\$19.14	=	\$367.43
DS1 CAPABLE LOOP COORD INSTALL WITH COOPERATIVE TEST FIRST Disconnect	\$20.22	+	\$2.27	=	\$22.49	+	\$6.85	=	\$29.34	+	\$1.61	=	\$30.95
DS1 CAPABLE LOOP COORD INSTALL WITH COOPERATIVE TEST EA ADDL Install	\$221.10	+	\$24.86	=	\$245.97	+	\$74.87	=	\$320.84	+	\$17.63	=	\$338.46
DS1 CAPABLE LOOP COORD INSTALL WITH COOPERATIVE TEST EA ADDL Disconnect	\$9.27	+	\$1.04	=	\$10.31	+	\$3.14	=	\$13.44	+	\$0.74	=	\$14.18
DS1 CAPABLE LOOP COORD INSTALL W/O TEST (EXISTING SERVICE) FIRST Install	\$73.48	+	\$8.26	=	\$81.74	+	\$24.88	=	\$106.62	+	\$5.86	=	\$112.48
DS1 CAPABLE LOOP COORD INSTALL W/O TEST (EXISTING SERVICE) FIRST Disconnect	\$20.22	+	\$2.27	=	\$22.49	+	\$6.85	=	\$29.34	+	\$1.61	=	\$30.95
DS1 CAPABLE LOOP COORD INSTALL W/O TEST (EXISTING SERVICE) EA ADDL Install	\$72.02	+	\$8.10	=	\$80.12	+	\$24.39	=	\$104.50	+	\$5.74	=	\$110.24
DS1 CAPABLE LOOP COORD INSTALL W/O TEST (EXISTING SERVICE) EA ADDL Disconnect	\$9.27	+	\$1.04	=	\$10.31	+	\$3.14	=	\$13.44	+	\$0.74	=	\$14.18
DS3 CAPABLE LOOP BASIC INSTALL (EXISTING SERVICE) FIRST Install	\$69.83	+	\$7.85	=	\$77.68	+	\$23.64	=	\$101.32	+	\$5.57	=	\$106.89
DS3 CAPABLE LOOP BASIC INSTALL (EXISTING SERVICE) FIRST Disconnect	\$20.22	+	\$2.27	=	\$22.49	+	\$6.85	=	\$29.34	+	\$1.61	=	\$30.95
DS3 CAPABLE LOOP BASIC INSTALL (EXISTING SERVICE) EA ADDL Install	\$68.37	+	\$7.69	=	\$76.05	+	\$23.15	=	\$99.20	+	\$5.45	=	\$104.65
DS3 CAPABLE LOOP BASIC INSTALL (EXISTING SERVICE) EA ADDL Disconnect	\$9.27	+	\$1.04	=	\$10.31	+	\$3.14	=	\$13.44	+	\$0.74	=	\$14.18
DS3 CAPABLE LOOP BASIC INSTALL PERFORMANCE TEST (NEW SERVICE) FIRST Install	\$211.19	+	\$23.75	=	\$234.94	+	\$71.51	=	\$306.46	+	\$16.84	=	\$323.29
DS3 CAPABLE LOOP BASIC INSTALL PERFORMANCE TEST (NEW SERVICE) FIRST Disconnect	\$20.22	+	\$2.27	=	\$22.49	+	\$6.85	=	\$29.34	+	\$1.61	=	\$30.95
DS3 CAPABLE LOOP PERFORMANCE TEST (NEW SERVICE) EA ADDL Install	\$192.70	+	\$21.67	=	\$214.37	+	\$65.25	=	\$279.62	+	\$15.36	=	\$294.98

Directly Total Directly TELRIC +

<i>Cost Element</i>	<i>Direct</i>	<i>+</i>	<i>Assn</i>	<i>=</i>	<i>Direct</i>	<i>+</i>	<i>Attrib</i>	<i>=</i>	<i>TELRIC</i>	<i>+</i>	<i>Common</i>	<i>=</i>	<i>Common</i>
DS3 CAPABLE LOOP PERFORMANCE TEST (NEW SERVICE) EA ADDL Disconnect	\$9.27	+	\$1.04	=	\$10.31	+	\$3.14	=	\$13.44	+	\$0.74	=	\$14.18
DS3 CAPABLE LOOP COORD INSTALL WITH COOPERATIVE TEST FIRST Install	\$240.02	+	\$26.99	=	\$267.01	+	\$81.28	=	\$348.29	+	\$19.14	=	\$367.43
DS3 CAPABLE LOOP COORD INSTALL WITH COOPERATIVE TEST FIRST Disconnect	\$20.22	+	\$2.27	=	\$22.49	+	\$6.85	=	\$29.34	+	\$1.61	=	\$30.95
DS3 CAPABLE LOOP COORD INSTALL WITH COOPERATIVE TEST EA ADDL Install	\$221.10	+	\$24.86	=	\$245.97	+	\$74.87	=	\$320.84	+	\$17.63	=	\$338.46
DS3 CAPABLE LOOP COORD INSTALL WITH COOPERATIVE TEST EA ADDL Disconnect	\$9.27	+	\$1.04	=	\$10.31	+	\$3.14	=	\$13.44	+	\$0.74	=	\$14.18
DS3 CAPABLE LOOP COORD INSTALL W/O TEST (EXISTING SERVICE) FIRST Install	\$73.48	+	\$8.26	=	\$81.74	+	\$24.88	=	\$106.62	+	\$5.86	=	\$112.48
DS3 CAPABLE LOOP COORD INSTALL W/O TEST (EXISTING SERVICE) FIRST Disconnect	\$20.22	+	\$2.27	=	\$22.49	+	\$6.85	=	\$29.34	+	\$1.61	=	\$30.95
DS3 CAPABLE LOOP COORD INSTALL W/O TEST (EXISTING SERVICE) EA ADDL Install	\$72.02	+	\$8.10	=	\$80.12	+	\$24.39	=	\$104.50	+	\$5.74	=	\$110.24
DS3 CAPABLE LOOP COORD INSTALL W/O TEST (EXISTING SERVICE) EA ADDL Disconnect	\$9.27	+	\$1.04	=	\$10.31	+	\$3.14	=	\$13.44	+	\$0.74	=	\$14.18
DARK FIBER NRC PER OCCURRENCE, PER ROUTE - FIRST FIBER PAIR Install	\$254.06	+	\$28.57	=	\$282.63	+	\$86.03	=	\$368.67	+	\$20.26	=	\$388.92
DARK FIBER NRC PER OCCURRENCE, PER ROUTE - FIRST FIBER PAIR Disconnect	\$152.56	+	\$17.16	=	\$169.72	+	\$51.66	=	\$221.38	+	\$12.16	=	\$233.54
DARK FIBER NRC PER OCCURRENCE, PER ROUTE - EACH ADDL FIBER PAIR Install	\$145.14	+	\$16.32	=	\$161.46	+	\$49.15	=	\$210.61	+	\$11.57	=	\$222.18
DARK FIBER NRC PER OCCURRENCE, PER ROUTE - EACH ADDL FIBER PAIR Disconnect	\$58.31	+	\$6.56	=	\$64.87	+	\$19.75	=	\$84.62	+	\$4.65	=	\$89.27
OPTICAL CROSS CONN - PER FIBER PAIR PER CENTRAL OFFICE Install	\$8.40	+	\$0.94	=	\$9.34	+	\$2.84	=	\$12.18	+	\$0.67	=	\$12.85
OPTICAL CROSS CONN - PER FIBER PAIR PER CENTRAL OFFICE Disconnect	\$3.65	+	\$0.41	=	\$4.06	+	\$1.24	=	\$5.30	+	\$0.29	=	\$5.59
DARK FIBER - INITIAL RECORDS INQUIRY CO TO CO OR CO TO CUST PREM	\$115.07	+	\$12.94	=	\$128.00	+	\$38.96	=	\$166.97	+	\$9.17	=	\$176.14
DARK FIBER - MID-SPAN SPLICE/STRUCTURE POINT INQUIRY	\$146.72	+	\$16.50	=	\$163.22	+	\$49.68	=	\$212.90	+	\$11.70	=	\$224.60
DARK FIBER - FIELD VERIFICATION AND QUOTE PREPARATION	\$1,071.58	+	\$120.50	=	\$1,192.09	+	\$362.86	=	\$1,554.95	+	\$85.44	=	\$1,640.39
DS0 ENHANCED EXTENDED LINK FIRST Install	\$159.55	+	\$17.94	=	\$177.49	+	\$54.03	=	\$231.52	+	\$12.72	=	\$244.24
DS0 ENHANCED EXTENDED LINK FIRST Disconnect	\$50.38	+	\$5.67	=	\$56.05	+	\$17.06	=	\$73.11	+	\$4.02	=	\$77.12
DS0 ENHANCED EXTENDED LINK EACH ADDITIONAL Install	\$112.98	+	\$12.70	=	\$125.68	+	\$38.26	=	\$163.94	+	\$9.01	=	\$172.95
DS0 ENHANCED EXTENDED LINK EACH ADDITIONAL Disconnect	\$33.43	+	\$3.76	=	\$37.19	+	\$11.32	=	\$48.52	+	\$2.67	=	\$51.18
DS1 ENHANCED EXTENDED LINK FIRST Install	\$198.02	+	\$22.27	=	\$220.29	+	\$67.05	=	\$287.34	+	\$15.79	=	\$303.13
DS1 ENHANCED EXTENDED LINK FIRST Disconnect	\$50.05	+	\$5.63	=	\$55.68	+	\$16.95	=	\$72.63	+	\$3.99	=	\$76.62
<i>Cost Element</i>	<i>Direct</i>	<i>+</i>	<i>Directly Assn</i>	<i>=</i>	<i>Total Direct</i>	<i>+</i>	<i>Directly Attrib</i>	<i>=</i>	<i>TELRIC</i>	<i>+</i>	<i>Common</i>	<i>=</i>	<i>TELRIC + Common</i>

DS1 ENHANCED EXTENDED LINK EACH ADDITIONAL Install	\$147.87 +	\$16.63 =	\$164.49 +	\$50.07 =	\$214.57 +	\$11.79 =	\$226.35
DS1 ENHANCED EXTENDED LINK EACH ADDITIONAL Disconnect	\$22.15 +	\$2.49 =	\$24.65 +	\$7.50 =	\$32.15 +	\$1.77 =	\$33.91
DS3 ENHANCED EXTENDED LINK FIRST Install	\$211.60 +	\$23.80 =	\$235.39 +	\$71.65 =	\$307.05 +	\$16.87 =	\$323.92
DS3 ENHANCED EXTENDED LINK FIRST Disconnect	\$52.24 +	\$5.87 =	\$58.12 +	\$17.69 =	\$75.81 +	\$4.17 =	\$79.97
DS3 ENHANCED EXTENDED LINK EACH ADDITIONAL Install	\$161.45 +	\$18.16 =	\$179.60 +	\$54.67 =	\$234.27 +	\$12.87 =	\$247.14
DS3 ENHANCED EXTENDED LINK EACH ADDITIONAL Disconnect	\$24.35 +	\$2.74 =	\$27.08 +	\$8.24 =	\$35.33 +	\$1.94 =	\$37.27
DS1 ENHANCED EXTENDED LINK TRANSPORT MUX Install	\$142.19 +	\$15.99 =	\$158.18 +	\$48.15 =	\$206.32 +	\$11.34 =	\$217.66
DS1 ENHANCED EXTENDED LINK TRANSPORT MUX Disconnect	\$52.24 +	\$5.87 =	\$58.12 +	\$17.69 =	\$75.81 +	\$4.17 =	\$79.97
DS3 ENHANCED EXTENDED LINK TRANSPORT MUX Install	\$142.19 +	\$15.99 =	\$158.18 +	\$48.15 =	\$206.32 +	\$11.34 =	\$217.66
DS3 ENHANCED EXTENDED LINK TRANSPORT MUX Disconnect	\$52.24 +	\$5.87 =	\$58.12 +	\$17.69 =	\$75.81 +	\$4.17 =	\$79.97
DS0 UNBUNDLED DEDICATED INTEROFFICE TRANSPORT Install	\$154.23 +	\$17.34 =	\$171.58 +	\$52.23 =	\$223.80 +	\$12.30 =	\$236.10
DS0 UNBUNDLED DEDICATED INTEROFFICE TRANSPORT Disconnect	\$62.62 +	\$7.04 =	\$69.66 +	\$21.20 =	\$90.86 +	\$4.99 =	\$95.85
DS1/DS3/OC3/OC12 UDIT Install	\$185.35 +	\$20.84 =	\$206.20 +	\$62.76 =	\$268.96 +	\$14.78 =	\$283.74
DS1/DS3/OC3/OC12 UDIT Disconnect	\$62.98 +	\$7.08 =	\$70.07 +	\$21.33 =	\$91.40 +	\$5.02 =	\$96.42
M1-0 MULTIPLEXING HIGH SIDE (UDIT) Install	\$111.23 +	\$12.51 =	\$123.74 +	\$37.66 =	\$161.40 +	\$8.87 =	\$170.27
M1-0 MULTIPLEXING HIGH SIDE (UDIT) Disconnect	\$59.26 +	\$6.66 =	\$65.92 +	\$20.07 =	\$85.99 +	\$4.72 =	\$90.72
M1-0 MULTIPLEXING LOW SIDE (UDIT) Install	\$111.88 +	\$12.58 =	\$124.46 +	\$37.89 =	\$162.35 +	\$8.92 =	\$171.27
M1-0 MULTIPLEXING LOW SIDE (UDIT) Disconnect	\$58.96 +	\$6.63 =	\$65.60 +	\$19.97 =	\$85.56 +	\$4.70 =	\$90.26
POLE INQUIRY FEE - PER MILE	\$233.02 +	\$26.20 =	\$259.23 +	\$78.91 =	\$338.13 +	\$18.58 =	\$356.71
INNERDUCT INQUIRY FEE - PER MILE	\$280.10 +	\$31.50 =	\$311.60 +	\$94.85 =	\$406.45 +	\$22.33 =	\$428.78
FIELD VERIFICATION FEE - POLES PER POLE	\$25.88 +	\$2.91 =	\$28.79 +	\$8.76 =	\$37.55 +	\$2.06 =	\$39.62
FIELD VERIFICATION FEE - MANHOLES PER MANHOLE	\$336.44 +	\$37.83 =	\$374.27 +	\$113.93 =	\$488.20 +	\$26.82 =	\$515.02

Direct - Direct Costs

Directly Assn - Direct Assigned Costs

Total Direct - Direct Costs + Directly Assigned Costs

Direct Attr - Directly Attributed Costs

TELRIC - Total Element Long Run Incremental Costs