

## V. PID Report of P-CLEC and Commercial Observation Results

### 1.0 Description

KPMG Consulting evaluated Qwest's Service Performance Indicator Definitions (PIDs) in accordance with Appendix G of the *Master Test Plan* (MTP). The purpose of this report section is two-fold. First, to serve as reference to the statistical methods that were utilized for evaluating the PIDs. And second, to provide detailed results of the PID evaluation.

Below is a description of each analysis type, and the conditions under which that analysis was performed. The Results section is divided into three subsections:

- The first gives the results for PIDs that were evaluated according to a benchmark standard;
- The second gives the results for PIDs that were evaluated according to a parity standard; and
- The third gives the results for PIDs where no 'pass/fail' evaluation was performed, i.e. diagnostic.

### 2.0 Method

#### 2.1 Benchmark Test Analysis

Appendix G specifies that benchmark standards be analyzed according to the method of 'stare and compare.' This means that if the test result meets or exceeds the benchmark, Qwest passes; and, if the test result falls short of the benchmark, Qwest fails. No statistical testing is performed. The first table gives test results for these types of comparisons.

#### 2.2 Parity Test Analysis

For parity PIDs, MTP Appendix G specifies that a Dual Test be performed. The Dual test is the combination of two statistical tests. In the first test, the Null Hypothesis is parity between the test results and retail results. In the second test, the Null Hypothesis is that a difference exists between test results and retail results.

Each test conducted during the Dual Test carries a Type I error rate of 5%. The meaning of Type I error and the implications of this standard are described in Appendix G. Also in Appendix G is a chart that describes the four possible outcomes of the Dual Test. Three of these outcomes lead to a 'pass' or a 'fail' determination. The fourth leads to a "No Decision." No Decision results were referred to the TAG for resolution. There were a handful of instances during the test in which this occurred, and they are noted in the results section below.

In the second test, the Null Hypothesis difference is defined as 0.28 standard deviations for measures derived from averages, and 'twice as bad' for measures that are derived from proportions. The 'twice as bad' standard means that if, for example, retail is missing X% of orders, the second test Null Hypothesis is that the P-CLEC is missing 2X% of orders. As another example, if Qwest is performing at a 90% on-time rate for retail orders, the second Null

Hypothesis is that the data for the P-CLEC is performing no better than 80% on-time for test orders.

The 'twice as bad' difference is calibrated to a sample size of 134. This calibration is done by finding the percentage result that would allow the Type II error to be 5%, when the Null Hypothesis is parity, and the sample size is 134. This percentage is the Null Hypothesis percentage for the second test. When the retail result is 90%, this second test Null Hypothesis percentage is 80% ('twice as bad'). However, for other retail results, the second test's Null Hypothesis percentage is not exactly twice as bad.

The level at which results were reported, and the sample sizes required for retesting, were determined using Appendix K of the MTP and guidance from the TAG. In general, the PID tests required a sample size of 140 initially. For retesting, the requirement was 35 for benchmark PIDs and 140 for parity PIDs.

The quantities reported in the following tables deviate from the targeted sample sizes due to four general reasons:

The PID definition excluded specific transactions that were executed for the test;

TAG agreements reduced the sample size due to lack of commercial volume (e.g., DS1);

A number of UNE-Loop orders experienced an issue with the WFA script; and

Sample sizes for some PIDs (e.g., Jeopardies, delay days) were beyond KPMG Consulting's control.

The breakdown of the PIDs by product and region was determined using the retest PID document, titled *Retest and PID Matrix*, distributed to the TAG on 9/10/2001. In some cases, the PID was disaggregated by product, but the test results were necessarily aggregated. The results in the table below reflect these disaggregations.

In order to perform the statistical tests for these PIDs, KPMG Consulting did the following for each of the two dual tests:

- Performed the required permutation simulation by product;
- Aggregated these simulations into a single average; and
- Determined a single p-value for the test.

### 2.3 Diagnostic PID Analysis

For several PIDs, no evaluation was performed. KPMG Consulting has calculated the results for these PIDs, and is providing the results in a table below. In many of these cases, the PID standard was not established before the test. In other cases, KPMG Consulting had no method of directly calculating the result, but instead reported Qwest data and, thus, cannot evaluate the results.

### 3.0 Results Summary

The following three tables show results for Benchmark, Parity, and Diagnostic PIDs. As explained above, only the parity PIDs have statistical tests associated with them. The Benchmark PIDs are based on 'stare and compare', and the Diagnostic PID results are for information only.

**Table V-1: Benchmark Test Results**

Metric Name and Description	MTP Test #	Numerator (for percentages)	Denominator or Count	Test Percent or Average	Benchmark	Pass/Fail	Comments
GA-1: Gateway Availability – IMA-GUI -All Regions	12					Not Tested	IMA GUI was not part of the PING test.
GA-2: Gateway Availability – IMA-EDI-All Regions	12	27,476	27,485	99.97%	99.25%	Pass	Jan and Feb 2002 'ping' data used for this test.
GA-6: Gateway Availability – CEMR - Repair-All Regions	16					Not Tested	CEMR was not included in the PING test
PO-1A: Average Pre-Order/Order Response Time-GUI by pre-order query type-All Regions	12					Pass	See the Test 12 report for details.
PO-1B: Average Pre-Order/Order Response Time-EDI by pre-order query type-All Regions	12					Pass	See the Test 12 report for details.
PO-1C: Percent Pre-Order/Order Timeouts- GUI - All Regions	12	0	4,038	0.0%	0.5%	Pass	
PO-1C: Percent Pre-Order/Order Timeouts- EDI-All Regions	12	10	17,369	0.06%	0.50%	Pass	
PO-3A-2: Average LSR Rejection Notice Interval - GUI (auto-rejected)-All Regions	12		81	4.9	18	Pass	in seconds
PO-3A-1: Average LSR Rejection Notice Interval- GUI (rejected manually)-All Regions	12		38	5.9	12	Pass	in hours
PO-3B-1: Average LSR Rejection Notice Interval - EDI (rejected manually)-All Regions	12		285	6.1	12	Pass	in hours
PO-3B-2: Average LSR Rejection Notice Interval - EDI (auto-rejected)-All Regions	12		1,478	16.8	18	Pass	in seconds

Metric Name and Description	MTP Test #	Numerator (for percentages)	Denominator or Count	Test Percent or Average	Benchmark	Pass/Fail	Comments
PO-3C: Average LSR Rejection Notice Interval Statewide level - LSRs via facsimile-All Regions	12		22	20	24	Pass	in hours
<i>PO-5 A, B, and C All Regions</i>							
PO-5A-1: Firm Order Confirmations (FOCs) On Time-Electronic-GUI - LNP-All Regions	12					Not tested	LNP could not be tested using the GUI because it required using a participating CLEC's ZCID code.
PO-5A-2: Firm Order Confirmations (FOCs) On Time-Electronic-EDI - LNP-All Regions	12	69	69	100%	95%	Pass	
PO-5B-1: Firm Order Confirmations (FOCs) On Time-Electronic/Manual-GUI-LNP-All Regions	12					Not Tested	LNP could not be tested using the GUI because it required using a participating CLEC's ZCID code.
PO-5B-2: Firm Order Confirmations (FOCs) On Time-Electronic/Manual-EDI - LNP-All Regions	12	45	46	98%	90%	Pass	
PO-5C: Firm Order Confirmations (FOCs) On Time-Facsimile-All Regions	12	21	21	100%	90%	Pass	Exception 3117 was issued based on an initial 19 out of 22 result. This Exception was closed, based on the retest result of 21 out of 21 on time.
<i>PO-5 A and B Central Region</i>							
PO-5A-1: Firm Order Confirmations (FOCs) On Time-Electronic-- GUI - resale & UNE-P-Central Region	12	23	24	96%	95%	Pass	
PO-5A-1: Firm Order Confirmations (FOCs) On Time-Electronic-GUI-Unbundled loops-Central Region	12	18	18	100%	95%	Pass	
PO-5A-2: Firm Order Confirmations (FOCs) On Time-Electronic-EDI-resale and UNE-P-Central Region	12	758	771	98%	95%	Pass	

Metric Name and Description	MTP Test #	Numerator (for percentages)	Denominator or Count	Test Percent or Average	Benchmark	Pass/Fail	Comments
PO-5A-2: Firm Order Confirmations (FOCs) On Time-Electronic-EDI-Unbundled loops-Central Region	12	231	232	100%	95%	Pass	
PO-5B-1: Firm Order Confirmations (FOCs) On Time-Electronic/Manual-GUI-resale & UNE-P-Central Region	12	7	7	100%	90%	Pass	
PO-5B-1: Firm Order Confirmations (FOCs) On Time-Electronic/Manual-GUI-Unbundled loops-Central Region	12	34	37	92%	90%	Pass	
PO-5B-2: Firm Order Confirmations (FOCs) On Time-Electronic/Manual-EDI-resale & UNE-P-Central Region	12	290	294	99%	90%	Pass	
PO-5B-2: Firm Order Confirmations (FOCs) On Time-Electronic/Manual-EDI-Unbundled loops-Central Region	12	449	456	98%	90%	Pass	
<i>PO-5 A and B Eastern Region</i>							
PO-5A-1: Firm Order Confirmations (FOCs) On Time-Electronic-GUI-resale & UNE-P-Eastern Region	12	30	30	100%	95%	Pass	
PO-5A-1: Firm Order Confirmations (FOCs) On Time-Electronic-GUI-Unbundled loops-Eastern Region	12	22	22	100%	95%	Pass	
PO-5A-2: Firm Order Confirmations (FOCs) On Time-Electronic-EDI-resale and UNE-P-Eastern Region	12	896	905	99%	95%	Pass	
PO-5A-2: Firm Order Confirmations (FOCs) On Time-Electronic-EDI-Unbundled loops-Eastern Region	12	218	219	100%	95%	Pass	

Metric Name and Description	MTP Test #	Numerator (for percentages)	Denominator or Count	Test Percent or Average	Benchmark	Pass/Fail	Comments
PO-5B-1: Firm Order Confirmations (FOCs) On Time-Electronic/Manual-GUI -resale & UNE-P-Eastern Region	12	33	33	100%	90%	Pass	
PO-5B-1: Firm Order Confirmations (FOCs) On Time-Electronic/Manual-GUI -Unbundled loops-Eastern Region	12	49	53	92%	90%	Pass	
PO-5B-2: Firm Order Confirmations (FOCs) On Time-Electronic/Manual-EDI -resale & UNE-P-Eastern Region	12	363	374	97%	90%	Pass	
PO-5B-2: Firm Order Confirmations (FOCs) On Time-Electronic/Manual-EDI -Unbundled loops-Eastern Region	12	477	492	97%	90%	Pass	
<i>PO-5 A and B Western Region</i>							
PO-5A-1: Firm Order Confirmations (FOCs) On Time-Electronic-- GUI - resale & UNE-P-Western Region	12	30	30	100%	95%	Pass	
PO-5A-1: Firm Order Confirmations (FOCs) On Time-Electronic-GUI-Unbundled loops-Western Region	12	23	23	100%	95%	Pass	
PO-5A-2: Firm Order Confirmations (FOCs) On Time-Electronic-EDI-resale and UNE-P-Western Region	12	902	903	100%	95%	Pass	
PO-5A-2: Firm Order Confirmations (FOCs) On Time-Electronic-EDI-Unbundled loops-Western Region	12	175	176	99%	95%	Pass	
PO-5B-1: Firm Order Confirmations (FOCs) On Time-Electronic/Manual-GUI-resale & UNE-P-Western Region	12	25	25	100%	90%	Pass	

Metric Name and Description	MTP Test #	Numerator (for percentages)	Denominator or Count	Test Percent or Average	Benchmark	Pass/Fail	Comments
PO-5B-1: Firm Order Confirmations (FOCs) On Time-Electronic/Manual-GUI -Unbundled loops-Western Region	12	53	54	98%	90%	Pass	
PO-5B-2: Firm Order Confirmations (FOCs) On Time-Electronic/Manual-EDI -resale & UNE-P-Western Region	12	355	363	98%	90%	Pass	
PO-5B-2: Firm Order Confirmations (FOCs) On Time-Electronic/Manual-EDI-Unbundled loops-Western Region	12	466	477	98%	90%	Pass	
<b>OP-3</b>							
OP-3C: Installation Commitments Met Analog Loops-Eastern Region	14	168	170	99%	90%	Pass	
OP-3C: Installation Commitments Met Analog Loops-Central Region	14	167	180	93%	90%	Pass	
OP-3C: Installation Commitments Met Analog Loops-Western Region	14	157	166	95%	90%	Pass	
OP-3C: Installation Commitments Met Non-Loaded Loops-Eastern Region	14	56	57	98%	90%	Pass	
OP-3C: Installation Commitments Met Non-Loaded Loops-Central Region	14	52	52	100%	90%	Pass	
OP-3C: Installation Commitments Met Non-Loaded Loops-Western Region	14	63	64	98%	90%	Pass	
OP-3A, B, D & E: Installation Commitments Met-Eastern Region	14	358	376	95%	90%	Pass	Tested using commercial observations.
OP-3A, B, D & E: Installation Commitments Met-Central Region	14	271	273	99%	90%	Pass	Tested using commercial observations.
OP-3A, B, D & E: Installation Commitments Met-Western Region	14	232	238	97%	90%	Pass	Tested using commercial observations.

Metric Name and Description	MTP Test #	Numerator (for percentages)	Denominator or Count	Test Percent or Average	Benchmark	Pass/Fail	Comments
<i>OP-4</i>							
OP-4C: Installation Interval - Analog Loops-Eastern Region	14		142	5.5	6	Pass	
OP-4C: Installation Interval- Analog Loops-Central Region	14		103	5.7	6	Pass	
OP-4C: Installation Interval- Analog Loops-Western Region	14		128	5.9	6	Pass	
OP-4C: Installation Interval- Non-Loaded Loops-Eastern Region	14		52	5.13	6	Pass	
OP-4C: Installation Interval- Non-Loaded Loops-Central Region	14		44	5.05	6	Pass	
OP-4C: Installation Interval- Non-Loaded Loops-Western Region	14		48	5.19	6	Pass	
OP-4A, B, D & E: Installation Interval-Eastern Region	14		253	5.8	6	Pass	Tested using commercial observations.
OP-4A, B, D & E: Installation Interval-Central Region	14		190	4.9	6	Pass	Tested using commercial observations.
OP-4A, B, D & E: Installation Interval-Western Region	14		124	6.1	6	Pass	Tested using commercial observations. Exception 3103 was issued. This Exception was closed based on Qwest data documenting exclusions.
<i>OP-8 B and C</i>							
OP-8B: Number Portability Timeliness with coordination-Eastern Region	14	129	129	100%	95%	Pass	Tested using commercial and test bed observations.
OP-8B: Number Portability Timeliness with coordination-Central Region	14	96	96	100%	95%	Pass	Tested using commercial and test bed observations.
OP-8B: Number Portability Timeliness with coordination-Western Region	14	76	76	100%	95%	Pass	Tested using commercial and test bed observations.
OP-8C: Number Portability Timeliness without coordination-All Regions	14	15	15	100%	95%	Pass	Tested using commercial observations.
<i>OP-13</i>							



Metric Name and Description	MTP Test #	Numerator (for percentages)	Denominator or Count	Test Percent or Average	Benchmark	Pass/Fail	Comments
OP-13 A: Coordinated Cuts On Time – Unbundled Loop-Eastern Region	14	259	259	100%	95%	Pass	Tested using commercial observations and test bed orders.
OP-13 A: Coordinated Cuts On Time – Unbundled Loop-Central Region	14	244	244	100%	95%	Pass	Tested using commercial observations and test bed orders.
OP-13 A: Coordinated Cuts On Time – Unbundled Loop-Western Region	14	185	186	99%	95%	Pass	Tested using commercial observations and test bed orders.

Table V-2: Parity Test Results

Metric Name	MTP Test #	Test Average	Retail Average	Test Sample Size	p-value test 1	p-value test 2	Pass/Fail/No Decision	Comments
PO-7A-Billing Completion Notification Timeliness -IMA-13 state	N/A	88%		373			Diagnostic	Diagnostic only for the test. The P-CLEC did not receive BCNs. Therefore, Qwest data for the P-CLEC was reported for this PID.
PO-7B-Billing Completion Notification Timeliness -EDI-13 state	N/A	94%		4306			Diagnostic	Diagnostic only for the test. The P-CLEC did not receive BCNs. Therefore, Qwest data for the P-CLEC was reported for this PID.
PO-8-Jeopardy Notice Interval-Resale-Eastern	12						No Data	
PO-8-Jeopardy Notice Interval-Resale-Central	12						No Data	
PO-8-Jeopardy Notice Interval-Resale-Western	12						No Data	
PO-8-Jeopardy Notice Interval-UNE-L-Eastern	12	4.3	3.9	25	0.3070	0.2251	No Decision	Observation 3104 was issued from the No Decision result. The TAG decided it should be a PASS and the Observation was closed.
PO-8-Jeopardy Notice Interval-UNE-L-Central	12	5.4	8.6	12	0.4482	0.0944	No Decision	Observation 3104 issued. The TAG decided it should be a PASS, and the Observation was closed.

Metric Name	MTP Test #	Test Average	Retail Average	Test Sample Size	p-value test 1	p-value test 2	Pass/Fail/No Decision	Comments
PO-8-Jeopardy Notice Interval-UNE-L-Western	12	6.3	3.6	12	0.0622	0.6861	No Decision	Observation 3104 was issued from the No Decision result. The TAG decided it should be a PASS, and the Observation was closed.
PO-8-Jeopardy Notice Interval-UNE-P-Eastern	12						No Data	
PO-8-Jeopardy Notice Interval-UNE-P-Central	12						No Data	
PO-8-Jeopardy Notice Interval-UNE-P-Western	12						No Data	
PO-9-Timely Jeopardy Notices-Resale-Eastern	12						No Data	
PO-9-Timely Jeopardy Notices-Resale-Central	12						No Data	
PO-9-Timely Jeopardy Notices-Resale-Western	12						No Data	
PO-9-Timely Jeopardy Notices-UNE-L-Eastern	12	14%	10%	49	0.8640	0.0006	Pass	
PO-9-Timely Jeopardy Notices-UNE-L-Central	12	100%	19%	2	1.0000	0.0081	Pass	
PO-9-Timely Jeopardy Notices-UNE-L-Western	12	8%	8%	12	0.7568	0.2153	No Decision	Observation 3104 was issued from the No Decision result. The TAG decided it should be a PASS, and the Observation was closed.
PO-9-Timely Jeopardy Notices-UNE-P-Eastern	12						No Data	
PO-9-Timely Jeopardy Notices-UNE-P-Central	12						No Data	
PO-9-Timely Jeopardy Notices-UNE-P-Western	12						No Data	
<i>OP-3 A, B, D, &amp; E</i>								
OP-3A, B, D & E-Installation Commitments Met-All products-Eastern	14	89%	91%	87	0.2010	0.0281	Unable to Determine	Tested using commercial observations. Based on Observation 3080 and Exception 3106, the TAG asked for retesting with resale POTS and UNE-P observations. The passing results

Metric Name	MTP Test #	Test Average	Retail Average	Test Sample Size	p-value test 1	p-value test 2	Pass/Fail/No Decision	Comments
								shown here reflect that retesting. Qwest has since changed its processes. Liberty Consulting, as PMA, has not completed an audit of Qwest's new process for capturing data and calculating retail results for PID OP-3. Consequently, KPMG Consulting is unable to determine a result for this criterion.
OP-3A, B, D & E-Installation Commitments Met-All products-Central	14	93%	89%	120	0.9433	0.0001	Unable to Determine	Tested using commercial observations. Based on Observation 3080 and Exception 3106, the TAG asked for retesting with resale POTS and UNE-P observations. The passing results shown here reflect that retesting. Qwest has since changed its processes. Liberty Consulting, as PMA, has not completed an audit of Qwest's new process for capturing data and calculating retail results for PID OP-3. Consequently, KPMG Consulting is unable to determine a result for this criterion.
OP-3A, B, D & E-Installation Commitments Met-All products-Western	14	96%	92%	28	0.9226	0.0276	Unable to Determine	Tested using commercial observations. Based on Observation 3080 and Exception 3106, the TAG asked for retesting with resale POTS and UNE-P observations. The passing results shown here reflect that retesting. KPMG Consulting's initial

Metric Name	MTP Test #	Test Average	Retail Average	Test Sample Size	p-value test 1	p-value test 2	Pass/Fail/No Decision	Comments
								results included 31 orders, but Qwest provided information showing that 3 of the orders should be excluded. Qwest has since changed its processes. Liberty Consulting, as PMA, has not completed an audit of Qwest's new process for capturing data and calculating retail results for PID OP-3. Consequently, KPMG Consulting is unable to determine a result for this criterion.
OP-3A, B, D & E-Installation Commitments Met-DS1-All	14	77%	79%	135	0.3537	0.0008	Unable to Determine	Initial test results indicated a pass. However, Qwest has since changed its processes. Liberty Consulting, as PMA, has not completed an audit of Qwest's new process for capturing data and calculating retail results for PID OP-3. Consequently, KPMG Consulting is unable to determine a result for this criterion.
<b>OP-3 C</b>								
OP-3C-Installation Commitments Met-Business POTS-Eastern	14	100.0%	98.5%	252	1.0000	0.0000	Unable to Determine	Initial test results indicated a pass. However, Qwest has since changed its processes. Liberty Consulting, as PMA, has not completed an audit of Qwest's new process for capturing data and calculating retail results for PID OP-3C. Consequently, KPMG Consulting is unable to determine a result for this criterion.

Metric Name	MTP Test #	Test Average	Retail Average	Test Sample Size	p-value test 1	p-value test 2	Pass/Fail/No Decision	Comments
OP-3C-Installation Commitments Met-Business POTS-Central	14	97.7%	98.6%	128	0.2537	0.0476	Unable to Determine	Initial test results indicated a pass. However, Qwest has since changed its processes. Liberty Consulting, as PMA, has not completed an audit of Qwest's new process for capturing data and calculating retail results for PID OP-3C. Consequently, KPMG Consulting is unable to determine a result for this criterion.
OP-3C-Installation Commitments Met-Business POTS-Western	14	100.0%	97.5%	228	1.0000	0.0000	Unable to Determine	Initial test results indicated a pass. However, Qwest has since changed its processes. Liberty Consulting, as PMA, has not completed an audit of Qwest's new process for capturing data and calculating retail results for PID OP-3C. Consequently, KPMG Consulting is unable to determine a result for this criterion.
OP-3C-Installation Commitments Met-Residential POTS-Eastern	14	100.0%	97.8%	238	1.0000	0.0000	Unable to Determine	Exception 3085 was opened based on initial test results. Retest results indicated a pass. Qwest has since changed its processes. Liberty Consulting, as PMA, has not completed an audit of Qwest's new process for capturing data and calculating retail results for PID OP-3C. Consequently, KPMG Consulting is unable to determine a result for this criterion.
OP-3C-Installation Commitments Met-Residential	14	100.0%	96.5%	205	1.0000	0.0000	Unable to Determine	Initial test results indicated a pass.

Metric Name	MTP Test #	Test Average	Retail Average	Test Sample Size	p-value test 1	p-value test 2	Pass/Fail/No Decision	Comments
POTS-Central								However, Qwest has since changed its processes. Liberty Consulting, as PMA, has not completed an audit of Qwest's new process for capturing data and calculating retail results for PID OP-3C. Consequently, KPMG Consulting is unable to determine a result for this criterion.
OP-3C-Installation Commitments Met-Residential POTS-Western	14	100.0%	98.1%	274	1.0000	0.0000	Unable to Determine	Initial test results indicated a pass. However, Qwest has since changed its processes. Liberty Consulting, as PMA, has not completed an audit of Qwest's new process for capturing data and calculating retail results for PID OP-3C. Consequently, KPMG Consulting is unable to determine a result for this criterion.
OP-3C-Installation Commitments Met-UNE-P-Eastern	14	100.0%	98.5%	246	1.0000	0.0000	Unable to Determine	Initial test results indicated a pass. However, Qwest has since changed its processes. Liberty Consulting, as PMA, has not completed an audit of Qwest's new process for capturing data and calculating retail results for PID OP-3C. Consequently, KPMG Consulting is unable to determine a result for this criterion.
OP-3C-Installation Commitments Met-UNE-P-Central	14	100.0%	99.3%	274	1.0000	0.0000	Unable to Determine	Exception 3085 was opened based on initial test results. The retest results indicated a pass, but Qwest has since changed its processes.

Metric Name	MTP Test #	Test Average	Retail Average	Test Sample Size	p-value test 1	p-value test 2	Pass/Fail/No Decision	Comments
								Liberty Consulting, as PMA, has not completed an audit of Qwest's new process for capturing data and calculating retail results for PID OP-3C. Consequently, KPMG Consulting is unable to determine a result for this criterion. This Exception was closed based on the retest results presented here.
OP-3C-Installation Commitments Met-UNE-P-Western	14	100.0%	97.6%	273	1.0000	0.0000	Unable to Determine	Exception 3085 was opened based on initial test results. The retest results indicated a pass, but Qwest has since changed its processes. Liberty Consulting, as PMA, has not completed an audit of Qwest's new process for capturing data and calculating retail results for PID OP-3C. Consequently, KPMG Consulting is unable to determine a result for this criterion.
<i>OP-4 A, B, D, &amp; E</i>								
OP-4A, B, D & E-Installation Interval-All products-Eastern	14	5.8	6.2	87	0.2924	0.0030	Unable to Determine	Tested using commercial observations. Based on Observation 3081, the TAG suggested retesting with resale POTS and UNE-P observations, which resulted in a pass result. Qwest has since changed its processes. Liberty Consulting, as PMA, has not completed an audit of Qwest's new process for capturing data and calculating retail results

Metric Name	MTP Test #	Test Average	Retail Average	Test Sample Size	p-value test 1	p-value test 2	Pass/Fail/No Decision	Comments
								for PID OP-4. Consequently, KPMG Consulting is unable to determine a result for this criterion.
OP-4A, B, D & E-Installation Interval-All products-Central	14	5.6	6.1	120	0.6870	0.0001	Unable to Determine	Tested using commercial observations. Based on Observation 3081, the TAG suggested retesting with resale POTS and UNE-P observations, which resulted in a pass result. Qwest has since changed its processes. Liberty Consulting, as PMA, has not completed an audit of Qwest's new process for capturing data and calculating retail results for PID OP-4. Consequently, KPMG Consulting is unable to determine a result for this criterion.
OP-4A, B, D & E-Installation Interval-All products-Western	14	4.0	4.9	28	0.8648	0.0000	Unable to Determine	Tested using commercial observations. Based on Observation 3081, the TAG suggested retesting with resale POTS and UNE-P observations. The initial results showed a "Fail," but Qwest provided information about 5 of the orders, showing that 3 should have been excluded and 2 of the intervals were incorrect. Upon re-analysis, this result changed to a "Pass." Qwest has since changed its processes. Liberty Consulting, as PMA, has not



Metric Name	MTP Test #	Test Average	Retail Average	Test Sample Size	p-value test 1	p-value test 2	Pass/Fail/No Decision	Comments
								completed an audit of Qwest's new process for capturing data and calculating retail results for PID OP-4. Consequently, KPMG Consulting is unable to determine a result for this criterion.
OP-4A, B, D & E-Installation Commitments Met-DS1-All	14	9.1	18.6	135	1.0000	0.0000	Unable to Determine	The initial test results indicate a pass, but Qwest has since changed its processes. Liberty Consulting, as PMA, has not completed an audit of Qwest's new process for capturing data and calculating retail results for PID OP-4. Consequently, KPMG Consulting is unable to determine a result for this criterion.
<b>OP-4 C</b>								
OP-4C-Installation Interval-Residential POTS-Eastern	14	2.4	2.6	150	0.9941	0.0000	Unable to Determine	Exception 3086 was opened based on initial test results. The result of the retest was a pass, but Qwest has since made changes to its processes. Liberty Consulting, as PMA, has not completed an audit of Qwest's new process for capturing data and calculating retail results for PID OP-4C. Consequently, KPMG Consulting is unable to determine a result for this criterion.
OP-4C-Installation Interval-Residential POTS-Central	14	2.3	2.9	137	1.0000	0.0000	Unable to Determine	Exception 3086 was opened based on initial test results. The result of the retest was a pass, but Qwest has since made changes to its processes. Liberty

Metric Name	MTP Test #	Test Average	Retail Average	Test Sample Size	p-value test 1	p-value test 2	Pass/Fail/No Decision	Comments
								Consulting, as PMA, has not completed an audit of Qwest's new process for capturing data and calculating retail results for PID OP-4C. Consequently, KPMG Consulting is unable to determine a result for this criterion.
OP-4C-Installation Interval-Residential POTS-Western	14	2.4	2.8	143	1.0000	0.0000	Unable to Determine	Exception 3086 was opened based on initial test results. The result of the retest was a pass, but Qwest has since made changes to its processes. Liberty Consulting, as PMA, has not completed an audit of Qwest's new process for capturing data and calculating retail results for PID OP-4C. Consequently, KPMG Consulting is unable to determine a result for this criterion.
OP-4C-Installation Interval-Business POTS-Eastern	14	2.2	1.5	145	0.0001	0.8183	Unable to Determine	Exception 3086 was opened based on initial test results. The result of the retest was a fail, but Qwest has since made changes to its processes. Liberty Consulting, as PMA, has not completed an audit of Qwest's new process for capturing data and calculating retail results for PID OP-4C. Consequently, KPMG Consulting is unable to determine a result for this criterion.
OP-4C-Installation Interval-Business POTS-Central	14	2.3	2.0	128	0.0751	0.0009	Unable to Determine	The original test results shown here indicated a pass. Qwest has since made changes to its processes. Liberty

Metric Name	MTP Test #	Test Average	Retail Average	Test Sample Size	p-value test 1	p-value test 2	Pass/Fail/No Decision	Comments
								Consulting, as PMA, has not completed an audit of Qwest's new process for capturing data and calculating retail results for PID OP-4C. Consequently, KPMG Consulting is unable to determine a result for this criterion.
OP-4C-Installation Interval-Business POTS-Western	14	2.5	2.2	160	0.0727	0.0090	Unable to Determine	Exception 3086 was opened based on initial test results. The result of the retest was a pass, but Qwest has since made changes to its processes. Liberty Consulting, as PMA, has not completed an audit of Qwest's new process for capturing data and calculating retail results for PID OP-4C. Consequently, KPMG Consulting is unable to determine a result for this criterion.
OP-4C-Installation Interval-UNE-P-Eastern	14	2.8	1.5	145	0.0000	1.0000	Unable to Determine	Exception 3086 was opened based on initial test results. The result of the retest was a fail, but Qwest has since made changes to its processes. Liberty Consulting, as PMA, has not completed an audit of Qwest's new process for capturing data and calculating retail results for PID OP-4C. Consequently, KPMG Consulting is unable to determine a result for this criterion.
OP-4C-Installation Interval-UNE-P-Central	14	2.6	2.1	140	0.0058	0.5471	Unable to Determine	Exception 3086 was opened based on initial test results. The result of the retest was a fail, but Qwest has since

Metric Name	MTP Test #	Test Average	Retail Average	Test Sample Size	p-value test 1	p-value test 2	Pass/Fail/No Decision	Comments
								made changes to its processes. Liberty Consulting, as PMA, has not completed an audit of Qwest's new process for capturing data and calculating retail results for PID OP-4C. Consequently, KPMG Consulting is unable to determine a result for this criterion.
OP-4C-Installation Interval-UNE-P-Western	14	2.9	2.2	141	0.0021	0.6430	Unable to Determine	Exception 3086 was opened based on initial test results. The result of the retest was a fail, but Qwest has since made changes to its processes. Liberty Consulting, as PMA, has not completed an audit of Qwest's new process for capturing data and calculating retail results for PID OP-4C. Consequently, KPMG Consulting is unable to determine a result for this criterion.
<b>OP-5</b>								
OP-5 -New Service Installation Quality-All products -Western	14	97%	76%	319	1.0000	0.0000	Pass	Tested using commercial observations.
OP-5 -New Service Installation Quality-All products -Central	14	96%	74%	372	1.0000	0.0000	Pass	Tested using commercial observations.
OP-5 -New Service Installation Quality-All products -Eastern	14	98%	72%	450	1.0000	0.0000	Pass	Tested using commercial observations.
<b>OP-6</b>								
OP 6A-Delayed Days-Business POTS-Western	14			0			No Data	This could not be tested because there were no delays.
OP 6A-Delayed Days-Business POTS-Central	14	1.0	9.4	3	1.0000	0.0000	Unable to Determine	The original test result, presented here, was a pass. Qwest has since changed their processes.

Metric Name	MTP Test #	Test Average	Retail Average	Test Sample Size	p-value test 1	p-value test 2	Pass/Fail/No Decision	Comments
								Liberty Consulting, as PMA, has not completed an audit of Qwest's new process for capturing data and calculating retail results for PID OP-6. Consequently, KPMG Consulting is unable to determine a result for this criterion.
OP 6A-Delayed Days-Business POTS-Eastern	14			0			No Data	This could not be tested because there were no delays in the retest.
OP 6A-Delayed Days-Residential POTS-Western	14			0			No Data	This could not be tested because there were no delays.
OP 6A-Delayed Days-Residential POTS-Central	14			0			No Data	This could not be tested because there were no delays.
OP 6A-Delayed Days-Residential POTS-Eastern	14			0			No Data	This could not be tested because there were no delays.
OP 6A-Delayed Days-UNE-P-Western	14			0			No Data	This could not be tested because there were no delays.
OP 6A-Delayed Days-UNE-P-Central	14			0			No Data	This could not be tested because there were no delays.
OP 6A-Delayed Days-UNE-P-Eastern	14			0			No Data	This could not be tested because there were no delays.
OP 6A-Delayed Days-UNE-L-All	14	7.4	10.5	24	0.7216	0.0161	Unable to Determine	This PID was not tested regionally due to the small amount of data (see comments on OP6B below). The original test result, presented here, was a pass. Liberty Consulting, as PMA, has not completed an audit of Qwest's new process for capturing data and calculating retail results for PID OP-6. Consequently,

Metric Name	MTP Test #	Test Average	Retail Average	Test Sample Size	p-value test 1	p-value test 2	Pass/Fail/No Decision	Comments
								KPMG Consulting is unable to determine a result for this criterion.
OP 6B-Delayed Days-All Products-Western	14	8.0	19.6	12	0.9970	0.0000	Unable to Determine	The original Dual Test transformed test data mean for some products to a negative number. Observation 3084 was issued as a result. After analysis of all regions, the TAG decided all three regions should be considered as having passed. Qwest has since changed their processes. Liberty Consulting, as PMA, has not completed an audit of Qwest's new process for capturing data and calculating retail results for PID OP-6. Consequently, KPMG Consulting is unable to determine a result for this criterion.
OP 6B-Delayed Days-All Products-Central	14	11.0	23.8	1	0.5413	0.0078	Unable to Determine	The original Dual Test transformed test data mean for some products to a negative number. Observation 3084 was issued as a result. After analysis of all regions, the TAG decided all three regions should be determined as passing. Qwest has since changed their processes. Liberty Consulting, as PMA, has not completed an audit of Qwest's new process for capturing data and calculating retail results for PID OP-6. Consequently, KPMG Consulting is unable to determine a result for this criterion.

Metric Name	MTP Test #	Test Average	Retail Average	Test Sample Size	p-value test 1	p-value test 2	Pass/Fail/No Decision	Comments
OP 6B-Delayed Days-All Products-Eastern	14	19.4	14.6	12	0.1449	0.5957	Unable to Determine	The original Dual Test transformed test data mean for some products to a negative number, resulting in a No Decision. Observation 3084 was issued as a result. After analysis of all regions, the TAG decided all three regions should be determined as passing. Qwest has since changed its processes. Liberty Consulting, as PMA, has not completed an audit of Qwest's new process for capturing data and calculating retail results for PID OP-6. Consequently, KPMG Consulting is unable to determine a result for this criterion.
<i>MR Measures</i>								
MR-2 -Calls Answered within 20 Seconds – Interconnect Repair Center-Region wide level-13 states	18.7						Not Applicable	There was no functional testing of this PID. Testing for this PID involved a process review only.
MR-3-Out of Service Cleared within 24 Hours-Dispatch out -13 states	18	93%	90%	213	0.9809	0.0191	Pass	
MR-3-Out of Service Cleared within 24 Hours-No dispatch-13 states	18	94%	96%	161	0.0425	0.0421	No Decision	Observation 3078 was issued from the No Decision result. The TAG decided this should be a pass.
MR-4-All Troubles Cleared within 48 hours-Dispatch out -13 states	18	98%	97%	219	0.9651	0.0349	Pass	
MR-4-All Troubles Cleared within 48 hours-No dispatch-13 states	18	99%	99%	192	1.0000	0.0007	Pass	
MR-5-All Troubles Cleared within 4 hours-Dispatch In and	18	85%	80%	13	0.7548	0.1398	No Decision	Observation 3079 was issued based on

Metric Name	MTP Test #	Test Average	Retail Average	Test Sample Size	p-value test 1	p-value test 2	Pass/Fail/No Decision	Comments
out combined-13 states								conflicting results when calculated separately for Dispatch In and Dispatch Out. The TAG asked KPMG Consulting to combine the analysis for Dispatch In and Dispatch Out, but the statistical test still conflicted. The TAG then decided this should be a PASS.
MR-6-Mean Time to Restore-Dispatch out-13 states	18	9.6	13	182	1.0000	0.0000	Pass	
MR-6-Mean Time to Restore-No dispatch-13 states	18	5.2	6	192	0.8793	0.0000	Pass	
MR-9-Repair Appointments Met-Dispatch out-13 states	18	89%	88%	200	0.5715	0.0001	Pass	
MR-9-Repair Appointments Met- No dispatch-13 states	18	98%	98%	149	0.8279	0.0000	Pass	
<i>BI Measures</i>								
BI-1A-Time to Provide Recorded Usage Records - Statewide level - Average business days-13 states	19			8888	1.0000	0.0000	Pass	
BI-3A-Billing Accuracy – Adjustments for Errors - Statewide level - UNEs and Resale-13 states	20	100%	99%	5106	1.0000	0.0000	Pass	These results are of retest activity. The count is based on the total elements tested, not the total dollar amount.



Table V-3: Diagnostic Test Results

Metric Name	MTP Test #	Numerator	Denominator or Count	Percent or Average	Comments
<i>PO-1 D</i>					
PO-1D-Avg. response time of rejected pre-order queries-GUI-13 state	12		571	2.78	in seconds
PO-1D-Avg. response time of rejected pre-order queries-EDI-13 state	12		3146	74.84	in seconds
<i>PO-2</i>					
PO-2A-% actually flowing through of all orders-GUI-Central	13	92	176	52%	Product breakdowns are provided in the Test 13 report.
PO-2A-% actually flowing through of all orders-EDI-Central	13	1508	2610	58%	Product breakdowns are provided in the Test 13 report.
PO-2A-% actually flowing through of all orders-GUI-Eastern	13	124	254	49%	Product breakdowns are provided in the Test 13 report.
PO-2A-% actually flowing through of all orders-EDI-Eastern	13	1226	2488	49%	Product breakdowns are provided in the Test 13 report.
PO-2A-% actually flowing through of all orders-GUI-Western	13	118	232	51%	Product breakdowns are provided in the Test 13 report.
PO-2A-% actually flowing through of all orders-EDI-Western	13	1052	2202	48%	Product breakdowns are provided in the Test 13 report.
PO-2B-% actually flowing through of those eligible-GUI-Central	13	88	92	96%	Product breakdowns are provided in the Test 13 report.
PO-2B-% actually flowing through of those eligible-EDI-Central	13	1462	1578	93%	Product breakdowns are provided in the Test 13 report.
PO-2B-% actually flowing through of those eligible-GUI-Eastern	13	114	124	92%	Product breakdowns are provided in the Test 13 report.
PO-2B-% actually flowing through of those eligible-EDI-Eastern	13	1192	1294	92%	Product breakdowns are provided in the Test 13 report.
PO-2B-% actually flowing through of those eligible-GUI-Western	13	110	120	92%	Product breakdowns are provided in the Test 13 report.

Metric Name	MTP Test #	Numerator	Denominator or Count	Percent or Average	Comments
PO-2B-% actually flowing through of those eligible-EDI-Western	13	1038	1220	85%	Product breakdowns are provided in the Test 13 report.
<i>PO-4</i>					
PO-4A-% LSRs Rejected - LSRs via GUI-Eastern	12	51	343	14.9%	
PO-4A-% LSRs Rejected - LSRs via GUI-Central	12	31	290	10.7%	
PO-4A-% LSRs Rejected - LSRs via GUI-Western	12	37	321	11.5%	
PO-4B-% LSRs Rejected - LSRs via EDI-Eastern	12	711	3395	20.9%	
PO-4B-% LSRs Rejected - LSRs via EDI-Central	12	850	3364	25.3%	
PO-4B-% LSRs Rejected - LSRs via EDI-Western	12	576	3135	18.4%	
PO-4C-% LSRs Rejected - Statewide level - LSRs via facsimile-13 state	12	2256	10848	21%	
PO-6A-Work Completion Notification Timeliness-GUI-13 state	12		188	102	in minutes The reported number of Work Completion Notifications received via the interface is smaller than the total number of WCNs actually received due to two factors: 1) exclusions, as defined by PID PO-6; and 2) a possible unintentional omission by KPMG Consulting. The additional WCNs will be analyzed by KPMG Consulting, and the diagnostic information will be revised in the Final Report.

Metric Name	MTP Test #	Numerator	Denominator or Count	Percent or Average	Comments
PO-6B-Work Completion Notification Timeliness-EDI-13 state	12		3053	143	in minutes The reported number of Work Completion Notifications received via the interface is smaller than the total number of WCNs actually received due to two factors: 1) exclusions, as defined by PID PO-6; and 2) a possible unintentional omission by KPMG Consulting. The additional WCNs will be analyzed by KPMG Consulting, and the diagnostic information will be revised in the Final Report.
PO-10-LSR Accountability-Region wide level-13 state	12	7107	7525	94.4%	
PO-15- Number of Due Date Changes per Order-Statewide level-13 state	12	307	6204	5%	Measured as number of orders with due date changes. Measured for EDI only.
OP-7- Coordinated "Hot Cut" Interval – Unbundled Loop - Statewide level-Eastern	14		50	6.2	in minutes
OP-7- Coordinated "Hot Cut" Interval – Unbundled Loop - Statewide level-Central	14		76	6.6	in minutes
OP-7- Coordinated "Hot Cut" Interval – Unbundled Loop - Statewide level-Western	14		42	8.2	in minutes
OP-13 B- Coordinated Cuts On Time - Unbundled loop- Statewide level-Eastern	14	259	259	100%	
OP-13 B- Coordinated Cuts On Time - Unbundled loop- Statewide level-Central	14	241	244	99%	
OP-13 B- Coordinated Cuts On Time - Unbundled loop- Statewide level-Western	14	186	186	100%	
OP-15-Interval for Pending Orders Delayed Past Due Date-by Product-13 state	14				Not able to test.

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