

Summary of Notes for Qwest Regional Performance Results Report January 2005 through December 2005 – Dated January 24, 2006

June 30, 2008 (rev highlighted updates January, February, March, May, June, July, August, September and November 2005)

General Comments:

- Notes are based on 14-State 271 PID Version 8.1
- Performance reporting for enhanced extended loops (EELs) includes both unbundled loops and dedicated transport, which may have multiplexing/concentrating equipment, and unbundled loops terminating at multiplexing equipment before being brought to a collocation cage.
- The display of N/As and blanks in statistical results may not appear as outlined in the “Explanation for Display of Statistics” at the bottom of this document. Programming refinements are pending.
- Instances where no CLEC and/or Qwest results are reported for a particular month, and instances where no measurement is reported, are due to no CLEC activity.
- Some previously missing Category 11 records on BI-1A and BI-1C-1 for December 2003, January 2004, and February 2004 were identified and recovered. Accordingly QPAP reruns were completed during processing of the February 2005 release produced in March 2005 to support QPAP payment adjustments for these metrics in April 2005 QPAP reports. (Previously-published Performance Results Reports were not re-published, since these adjustments will be covered in affected QPAP payment reports, and since the three affected months are outside the rolling 12-month report window associated with the February 2005 release.)
- ~~For notes regarding monthly reports for 2004, see Summary of Notes for January 2004 through December 2004~~
- Manual Service Order Accuracy (PO-20), New Service Quality (OP-5) and Repair Repeat Report Rate (MR-7) are reported one month in arrears. When a documented code change includes one of these PIDs, the impacted month is one month behind. As an example, if the change applied to OP-3, OP-4, OP-5, and OP-6 as was completed in the June 2005 release, the “>” in the June column would be selected. This would indicate that the change applied to June results going forward for OP-3, OP-4, and OP-6 but since OP-5 is reported one month in arrears, the change applied to the May results reflected on the June report and going forward.

PID Numbers	Products (if applicable)	Description of Note Comment														
			J	F	M	A	M	J	J	A	S	O	N	D		
All	All Applicable Products	Improved programming for business day treatment to accommodate when Saturday is a holiday.	>													
All	All Applicable Products	Enhanced code to add the month and year for the release date to the PDF report naming conventions						>								
All	All Applicable Products	Regulatory Reporting software and table changes were implemented to support the unification of various metric and payment systems into Regulatory Reporting System							>							

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PO-2B	All Applicable Products	Implemented coding to incorporate new IMA indicator refining identification of canceled or completed supplemental LSRs to be flow-through eligible.	>																	
PO-2A, PO-2B	All Applicable Products	Added a new field identifying LSRs related to TAPLIFELINE and designated as not eligible for flow-through.							>											
PO-2A-1, PO-2A-2, PO-2B-1, PO-2B-2	All Applicable Products	Effective with the 18.0 IMA release on October 16, 2005, added 6 new fields identifying LSRs as not eligible for flow-through: 1) LSRs with an undetermined Wire Center, 2) LSRs issued on port in numbers, 3) LSRs for telephone number swapping, 4) LSRs when the desired due date is greater than 90 days (in the Western Region), 5) LSRs for RSID to RSID conversions, and 6) LSRs with a supp 3 indicator (when there is already pending order activity and a supplemental LSR is issued).																		>
PO-2A-1, PO-2A-2, PO-2B-1, PO-2B-2	All Applicable Products	Revised the Minnesota PID formatted report template to show standard for PO-2A-1 and PO-2A-2 as diagnostic instead of a benchmark. Corrected the benchmarks on the report for PO-2B-1 and PO-2B-2 to 85% for Unbundled Loop and 95% for UNE-P POTS.																		>
PO-2A, PO-2B, PO-5A, PO-5B	Unbundled Loops	Implemented coding to accommodate IMA patch that allows Unbundled DS1 and Unbundled DS3 LSRs to flow-through.																		>
PO-2B-1, PO-2B-2	All Applicable Products	Implemented coding to identify LSRs issued on partial conversions as not eligible for flow-through.																		>
PO-2B-1, PO-2B-2	All Applicable Products	Implemented coding to identify original LSRs that have not reached an 'issued' status and LSRs receiving invalid or incomplete CSR information from the SOP as not eligible for flow-through.																		>
PO-2, PO-5	All Applicable Products	Enhanced code to merge CRM to RSOR data for better state identification in cases where the CRM state is either not available or invalid																		>
PO-3, PO-4	Not Applicable	Implemented coding to accommodate new reject reason code ORD762 that is ineligible for reporting.																		>

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OP-3, OP-4, OP-5A, OP-5B, OP-5T, OP-5R, OP-6, OP-15	Unbundled 2-wire Non-loaded Loop	Change the Retail comparable used from Basic Rate Service (BRS) Design and Non-design to BRS Design only. This rerun included December 2004 data also.	R	R	R	R	R	>										
OP-3, OP-4, OP-5A, OP-5B, OP-5T, OP-5R, OP-6, OP-15	Resale DS3 and higher bit-rate services	Enhance programming to add OCNs to the reporting category inadvertently omitted previously. This rerun included December 2004 data also.	R	R	R	R	R	>										
OP-3, OP-4, OP-6, OP-15	RES and CTX21	Modified code to convert remaining UNE-STAR records to the Resale products listed as of 4/1/05.						>										
OP-3 OP-4 OP-15	UNE-P	Modified code for product types to be included in the UNE-P category, consistent with recent commercial agreements that affect them.						>										
OP-4	All Applicable Products	Modified code to refine identification of intervals longer than standard.						>										
OP-5A	Line Sharing	Corrected the aggregate table to restore the retail analogue (RES/BUS) inadvertently omitted from reporting during the July 2005 release month.																>
OP-5A, OP-5B, OP-5T, OP-5R	All Applicable Products	Improved programming to identify VDSL records previously viewed as RES or BUS. These records will be excluded from results consistent with PID definition.																>
OP-5A, OP-5B, OP-5T, OP-5R	All Applicable Products	Enhanced programming to extend the period used for matching to line-level record detail from 2 months to 6 months.																>

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MR-2	Not Applicable	Restated results to include data from a new queue added to the Call Center during January 2005	R	R	R	R									
MR-3, MR-4, MR-5, MR-6, MR-7, MR-8	All Applicable Products	Improved programming to better identify records issued in the Malheur Bell region and exclude from results reported as Affiliate activity.		>											
MR-3, MR-4, MR-5, MR-6, MR-7, MR-8	Line Sharing	Enhanced code to use Market Unit identifier to assist in determining CLEC ID in rare circumstances where CLEC ID not available.						>							
MR-3, MR-4, MR-6, MR-7, MR-8	Unbundled 2-wire Non-loaded Loop	Corrected NC/NCI code table for identification of certain Unbundled 2-wire Non-loaded Loops that had inadvertently been reported as xDSL-I capable Loops.									>				
MR-3, MR-4, MR-6, MR-7, MR-8	Resale Sub-Loop Unbundling	Enhanced coding to remove, as ineligible for inclusion, designed ISDN Basic Rate Service from the Retail comparable.												>	
MR-3, MR-4, MR-5, MR-6, MR-7, MR-8 MR-9	Resale DSO	Enhanced coding to identify WATS records as ineligible for inclusion in results reported.													>
MR-3, MR-4, MR-6, MR-7	UNE-P	Modified code for product types to be included in the UNE-P category, consistent with recent commercial agreements that affect them.		>											

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MR-3, MR-4, MR-6, MR-7	Unbundled 2-wire Non-loaded Loop	Updated the table to reflect a change to the Retail comparable from Basic Rate Service (BRS) ISDN Design and Non-design to BRS Design only triggered by unrelated revisions to QPP reporting.		R	R	R	R	>										
MR-3, MR-4, MR-6, MR-7	All Applicable Products	Updated programming to properly capture the dispatch out field identifier due to a source system modification in June.							R	>								
MR-3, MR-4, MR-6, MR-7	All Applicable Products	Enhanced coding to further identify the dispatch out field							R	>								
MR-3, MR-4, MR-6, MR-7 MR-8	RES, BUS, CTX21	Modified code to convert remaining UNE-STAR records to the Resale products listed as of 4/1/05.																
MR-6A, MR-6B, MR-6C, MR-7A, MR-7B, MR-7C	Qwest DSL	Corrected reporting template to remove MSA-type disaggregations.	>															
MR-7	All Applicable Products	Created stand-alone adhoc file format for MR-7 removing from the existing MTAS and WFAC adhoc used for MR-3, MR-4, MR-5, MR-6, and MR-9						>										
MR-7	All Applicable Products	Enhance code to complete refinements to the entity class logic to correctly populate locality_typ flags responsible for MSA versus Zone designations.		R	R	R	R			>								
MR-7	All Applicable Products	Corrected coding for QPP reporting to remove no trouble found (NTF)/test OK (TOK) from the repeats for RRR1 with minimal impact on record eligibility for 271 records.		R	R	R	R	R			>							
MR-8	EEL DS1	Updated the table based on a rerun that included DS1_Sharp and DS1_SHNS sub-products in the aggregate product category inadvertently omitted for May 2005 only triggered by unrelated revisions to QPP reporting.		R	R	R	R	>										

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MR-8	Line Sharing	Corrected statistical programming to show the retail comparable as parity with Qwest DSL. This was inadvertently changed to diagnostic in calculation for February 2005, March 2005, and April 2005.			R	R	R											
BI-1A, BI-1C-1, BI-1C-2	UNEs and Resale	Implemented code logic to identify and exclude, as ineligible, QPP records from performance results.																>
BI-1A, BI-1C-1, BI-1C-2	UNEs and Resale	Restated historical results for May 2005 through July 2005 to identify and exclude, as ineligible, QPP records from performance results.						R	R	R								
BI-1A, BI-1C-1, BI-1C-2	UNEs and Resale	Restated results to incorporate previously missing Category 11 records for Colorado and Wyoming only.																R
BI-1A, BI-1C-1, BI-1C-2	UNEs and Resale	Restated results to move certain Category 11 records into the correct reporting month for Colorado only. These DUF records were not delivered to the CLECs until July 29, 2005, but they were inadvertently reported as delivered in May and June.																
BI-1A, BI-1C-1, BI-1C-2	UNEs and Resale	For the Eastern Billing Region only, restated results to include DUF records inadvertently omitted in the original calculations due to 'blank' field input from source system.								R	R	R						
BI-1A, BI-1B, BI-1C-1, BI-1C-2	UNEs and Resale	Converted measures calculations from summarized reporting to record level (raw) data delivered to Regulatory Reporting from CRIS/MCAS sources.																>
BI-1A, BI-1B, BI-1C-1, BI-1C-2	UNEs and Resale	Applied manual process to allow for the exclusion of all DUF records related to the first month after a CLEC has selected a delivery method.																
BI-1A, BI-1B, BI-1C-1, BI-1C-2	UNEs and Resale	Manually excluded records where no DUF delivery method had been selected. Records were inadvertently included in the daily file but had not yet been delivered since no selection had been made.																X
BI-1B	UNEs and Resale	A Carrier error was discovered in analysis of results reported. As a result, Qwest re-ran results removing Carrier activity from CLEC results. This rerun included November 2004 and December 2004 data	R	>														

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- Parity score – A blank is displayed when all observations from both the CLEC and Qwest samples have the same value, e.g., both results are 100% or 0%. (Note that this is a parity condition, however a parity score can't be calculated.)
- If there are no CLEC data, the CLEC fields are blank, and the z-score and parity fields are blank.
- If there are no Qwest data, the Qwest fields are blank, and the z-score and parity fields are blank.

Please see also the document, "Reading Reports," also on Qwest's Wholesale 271 Performance Results reporting website (<http://www.qwest.com/wholesale/results/readreports.html>).

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Attachment 1

Qwest Explanations for PO-19B Transactions with Acceptable Differences November 2005

Overview

The purpose of this document is to explain differences encountered in SATE and Production during the PO-19B execution. These are valid differences; those that are not due to problems with SATE mirroring production. Therefore, these differences are not counted against the PO-19B 95% benchmark.

This document is used by Wholesale Service Quality and Regulatory Reporting as input to Qwest's monthly-published results and will be produced following each PO-19B PID execution.

Each PO-19B transaction with differences is identified in the table below. The columns are as follows:

- **Scenario ID:** an identifier for the scenario being executed.
- **Scenario Description:** a high level description of the scenario
- **EDI X12 Response:** details the EDI x12 responses showing the differences in the specific field.
- **Notes:** describes the cause of the differences in the specific data between SATE and production, including an explanation of why the differences are acceptable and do not impact SATE's ability to mirror production.

Common differences (those that occur in almost all transactions) are not detailed in the matrix below, but are bullet pointed before the matrix to provide a standard list of expected differences, not specific to a scenario.

If a scenario returns no differences, it is not included in the matrix.

Common Differences

- **DATE** – The date and times that the transactions were run will appear in the transactions. They will differ due to the fact that the transactions were run at two different times. Example of X12: DTM|211|20020719||TM|1700
- **CCNA** – SATE used a CCNA of R30 and IMA used a CCNA of T30. The comparison tool identifies when the different CCNA's are returned in the responses. Examples of X12: N1|EV|R30, MTX||R30
- **TAX** – Tax codes are created per CCNA. The tax codes loaded for R30 and T30 will be different. Example of X12: MTX||A, D, Y, C, L, J, H, N, K, W
- **BAN** – Billing account numbers are loaded by CCNA. The BAN's loaded for R30 and T30 are different. Example of X12: MTX||K 303 111-1111-111
- **LSR Number** – The LSR numbers are system generated and therefore will appear as differences.
- **Order Number** – The order numbers are system generated and therefore will appear as differences.
- **AN** – Account numbers are system generated and therefore will appear as differences.
- **Circuit** – Circuit numbers are system generated and therefore will appear as differences.

Scenario	Scenario Description	EDI X12 Response	Notes
AAQ1 & AAQ3	Appointment Availability Query	The reservation number had different values. SATE: REF IX T001620101 INQRES NBR --- IMA: REF IX 2D3K6N3A01 INQRES NBR	Due to the dynamic nature of production, appointment times are dynamically determined. Therefore, PO-19B cannot capture predefined appointment times. In SATE, specific appointment times are

Scenario	Scenario Description	EDI X12 Response	Notes
			returned to ensure repeatable, static data is returned.
ASQ1	Appointment Selection		
AVQ1 & AVQ5	Address Validation	IMA: SI TI SB DMS100 SI TI SB D100SE SATE: SI TI SB D100SE SI TI SB DMS100	The difference is due to the random selection of the information from tables within the IMA and SATE.
AVQ4	Address Validation	Different Error messages returned.	
CSR4	Customer Service Record	Different CSR Date	The difference is due to the Production transactions being run on 10/17 and the SATE transactions being run on 10/18. The CSRDATE is coded in our test cases to be 3 days from the date the test case is run. This does not effect the outcome, as our accounts do not have pending Service Orders on them which would change the appearance of the CSR.
CSR20	Customer Service Record	The spacing for the Billing address is different. SATE: MTX DENVER, CO 80202 IMA: MTX DENVER, CO 80202	The difference is due to a change made on the Production account billing address. The MTX segment is a message segment which doesn't affect the way the bill is mailed.
FAQ5 FAQ6 FAQ7	Facility Availability Query	There is a difference in appearance of the values (upper case vs. lower case letters). SATE: MTX NO MOVE REQUIRED IMA: MTX No Move Required	In EDI, this difference does not affect the way data is sent or received. EDI is not case sensitive.
FAQ10 & FAQ12	Facility Availability Query	SATE returned additional error messages SATE: MTX Unable to locate specified Address MTX OSS Gateway: VERIFY STREET NAME Message[0] NO MATCHING STREETS WERE FOUND. Message[1] Verify Street Name entry. Message[2] No exact street name/descriptive name matched in PREMIS. No partial match found. MTX LOCA Address Validation is not an EXACTMATCH	This difference is due to the dynamic nature of production. The error message changed in IMA unexpectedly due to the changes with LFACS AN. Since SATE has static data this information did not change. LFACS AN has a very complex address search functionality built in which would be impossible to

Scenario	Scenario Description	EDI X12 Response	Notes
		<p>IMA: MTX LOCA Address Validation is not an EXACTMATCH</p>	<p>mimic in SATE with the limited number of addresses SATE contains.</p>
LQQ5	Loop Qualification Query	<p><i>SATE returned additional error messages</i></p> <p>SATE: MTX Unable to locate specified Address N9 1Q AV 999 ERR MTX OSS Gateway: VERIFY STREET NAME Message[0] NO MATCHING STREETS WERE FOUND. Message[1] Verify Street Name entry. Message[2] No exact street name/descriptive name matched in PREMIS. No partial match found. MTX LOCA Address Validation is not an EXACTMATCH</p> <p>IMA: MTX LOCA Address Validation is not an EXACTMATCH</p>	<p>This difference is due to the dynamic nature of production. The error message changed in IMA unexpectedly due to the changes with LFACS AN. Since SATE has static data this information did not change. LFACS AN has a very complex address search functionality built in which would be impossible to mimic in SATE with the limited number of addresses SATE contains.</p>
LQQ7 & LQQ10	Loop Qualification Query	<p>Different speeds of DSL in SATE and Production.</p> <p>SATE: MTX Qwest Premier (up to 5M/896k) etc... IMA: MTX Qwest DSL Deluxe (up to 1.5M/896k) etc...</p>	<p>Qwest DSL Candidate that went into 17.0 was implemented into SATE, and due to SATEs static nature, it was input for all loops built in SATE. Due to Productions dynamic nature, the individual wire centers will upgrade to the higher speeds gradually.</p>
LSTR1	Listing Reconciliation	<p>Example of Differences:</p> <p>SATE: REF FI 14851 IMA: REF FI 5994493 SATE: REF FI 14852 IMA: REF FI 5994494</p>	<p>The File Control Number contains two different values due to the dynamic nature of Production. These numbers are assigned dynamically in Production.</p>
LSTR2	Listings Reconciliation	<p>Listings come in a different order.</p>	<p>Due to the dynamic nature of production, the order in which the listings are returned has changed, however, all information is returned in both environments.</p>
RLDQ2	Raw Loop Data Query	<p>The circuit, pair number and loop statistics fields are displayed in a different order for the two system responses.</p> <p>Example: SATE: SI TI CN 1KR3E.4 Circuit</p>	<p>The difference is due to the random selection of the information from tables within the IMA and SATE.</p>

Scenario	Scenario Description	EDI X12 Response	Notes
		SATE: SI TI K6 152 Pair Number SATE: SI TI L2 CT Loop Statistics	
SAQ1 & SAQ2	Service Availability Query	Example of differences: SATE: QTY P6 346 EA IMA: QTY P6 281 EA SATE: SI TI UC \$34.61 IMA: SI TI UC \$34.57	There are numerous data value differences between the two systems for SAQ responses. This is due to SATE loading a wide variety of USOCs to allow Co-Providers to test different products, whereas in production, the USOCs available are based on the CLEC's contract. In addition, SATE does not load every NPA NXX that exists for each switch.
TNAQ1	Telephone Number Assignment Query	Example of differences: SATE: SI TI RV 515-262-5900 IMA: SI TI RV 515-263-3479	The telephone numbers reserved contain different values based on the two systems. In production, TN reservation is based on a dynamic selection of available TNs. In SATE, the list of available TNs is static to ensure repeatability.
TNAQ2	Telephone Number Assignment Query	Example of differences: SATE: SI TI RV 303-691-1423 IMA: SI TI RV 303-691-6098	The telephone numbers reserved contain different values based on the two systems. In production, TN reservation is based on a dynamic selection of available TNs. In SATE, the list of available TNs is static to ensure repeatability.
TNAQ3	Telephone Number Assignment Query	Example of differences: IMA: MTX OSS Gateway: Contact NSAC. Not enough TNs to satisfy request. Partial list shown.. Message[0] THE QUANTITY OF NUMBERS SELECTED 0 DOES NOT MATCH THE QUANTITY REQUESTED 4 BECAUSE THERE WERE INSUFFICIENT AVAILABLE NUMBERS TO MEET THE REQUEST. SATE: MTX OSS Gateway: The host returned an error. Message[0] THE QUANTITY OF NUMBERS SELECTED DOES NOT MATCH THE QUANTITY REQUESTED BECAUSE THERE WERE INSUFFICIENT AVAILABLE NUMBERS TO MEET THE REQUEST.	Due to the dynamic nature of production, the TNs were exhausted in this wire center. SATE being a stubbed environment would always have TNs to return, and also will return the same error until it is changed with in the SATE environment.

New IMA Candidate Exception for Order

The new candidate Virtual CSR went into 15.0 on 04/19/2004. Virtual CSR is a candidate that will never be put into SATE because of the nature of SATE. SATE is intended to be a Stand Alone Testing environment. The CSRs are never changed for any account that exists in SATE for testing. This allows multiple CLECs to submit multiple orders on the same account and still get the same results consistently. In addition to this, Service Orders never are completed in SATE which is to keep the CLECs' results consistent. With the new candidate, we found that some of the Order scenarios for PO-19B went to an errored or In-Review status in IMA due to Pending Service Orders. SATE does not merge pending service orders with the CSR, due to the above explanations. Therefore, the orders which received an 'errored' status in IMA are considered exceptions, due to the fact that SATE does not have the functionality of merging service orders with the CSR.