

Loop Make-Up Information

Background

In early 1999 Qwest began the development process of an IMA/EDI Loop Qualification Tool. The IMA 4.2 Release in October 1999 included the pre-order ADSL Loop Qualification Tool. At the time the tool was released there were approximately 6,000 xDSL loops in service in all 14 states of Qwest territory.

In December 1999 Rhythms filed a CICMP user request to upgrade the ADSL Qualification Tool to include additional loop make-up information. The CLEC community prioritized the request as non-critical and the upgrade was scheduled for IMA Release 6.0. Additionally, Qwest agreed to deploy a bulk wire-center raw loop data report in July of 2000.

All of this activity took place prior to the FCC UNE Remand¹ mandating that LECs provide loop make-up information and placing the qualification responsibility on the CLECs. As promised Qwest deployed the wire center tool in July and the IMA raw Loop Data Tool in IMA Release 6.0 in December 2000.

In addition IMA also has a pre-order transaction for POTS to Unbundled Loop conversions. Supplementing the tools specifically for unbundled loops, the CLECs have access via IMA/EDI pre-order functions to perform a MegaBit Qualification and an ISDN Qualification. Although these tools were established primarily for resale purposes, the CLECs can use them for additional information.

The Tools

As mentioned there are five electronic tools available to the CLECs, see Exhibit JML-12a. I will review each one separately.

ADSL Loop Qualification Tool

- Access via an IMA/EDI pre-order transaction.
- One telephone number or street address per request, Exhibit JML-12b is a copy of the IMA request screen.
- The data sources include LFACS and PREMIS.
- The CLECs have the option of qualifying working telephone number or address and can also request a search for multiple lines.

¹ FCC UNE Remand at § 427

- If the CLECs check “Qualify working telephone numbers”, they will receive the loop make-up for the working service. If the CLEC asked for multiple lines then the system will look for lines to the specified address.
- If the CLECs do not check “Qualify working telephone numbers”, the system will look for “spare” facilities that qualify for ADSL.
- The qualification process uses ANSI ADSL standards and provides CLECs with a “Y” or “N” indicator to say “yes” the loop qualifies for ADSL or “no” it does not. Exhibit JML-12c is a copy of the ADSL Response screen.
- The response screen also provides the following loop make-up: Telephone number or circuit id, if the system is returning spare information it will have a fictitious circuit id, Loop length, bridge tap length, the type of facility- copper or pair gain, the load type and the insertion loss calculated at 196 kilohertz frequency with 135 ohm termination

Wire Center Raw Loop Data Tool

- Access via www.ecom.uswest.com and a digital certificate. Exhibit JML-12d is a copy of the product announcement that describes how to obtain the digital certificate and down loaded the wire center information.
- One wire center at a time can be selected from the alphabetized list of CLLI codes.
- The data source is the Loop Qualification database, the same database used to qualify Qwest retail customers for DSL services.
- The CLECs have access to working lines and non-working telephone numbers.
- The data is in an ASCII text file that is comma delimited and can be downloaded into the CLEC’s database or files.
- The loop make-up information includes: Wire Center CLLI Code, Cable Name, Pair Name, Terminal Address, MLT Distance, Segment (F1, F2), Sub Segment (1 of F1), Segment Length, Segment Gauge, Bridge Tap length by segment, Bridge Tap Offset Distance, Load Coil Type, and Pair Gain Type.

IMA Raw Loop Data Tool

- Access via a pre-order IMA/EDI transaction.
- Up to 24 Telephone numbers or 1 address can be requested at one time. Exhibit JML-12e is a copy of the Telephone number and the Address screen requests.
- The data source is the Loop Qualification database.
 - The CLECs have access to working telephone numbers.
 - Exhibit JML-12f is a copy of the response screens. The RLD tool provides the CLECs with the following loop make-up information: Wire Center CLLI Code, Cable Name, Pair Name, Terminal Address, MLT Distance, Segment (F1, F2), Sub Segment (1 of F1), Segment Length, Segment Gauge, Bridge

Tap length by segment, Bridge Tap Offset Distance, Load Coil Type, number of loads and Pair Gain Type.

Exhibit JML-12g is a chart that displays the differences in the three unbundled loop tools. As previously mentioned there are two additional IMA tools: the MegaBit Qualification and ISDN Qualification pre-order transactions.

Convert POTS to Unbundled Loop

- Access via an IMA /EDI pre-order transaction.
- Requires address
- The data source is LFACS and PREMIS
- The response screen indicates if the facilities are served on Copper or Pair Gain and the “loading” of the facility. Exhibit JML-12h is a copy of the response screen.

MegaBit Qualification

- Access via an IMA /EDI pre-order transaction.
- Requires address and telephone number.
- The data source is Loop Qualification database.
- The response screen provides a “Y” or “N”, yes or no, for MegaBit and MegaBit Select. If a “N(o)” response is returned a short explanation is provided such as does not qualify: pair gain. Exhibit JML-12i is a copy of the response screen.
- This tool mirrors the Qwest retail tool for MegaBit qualifications. The CLECs receive the same messages as the Qwest retail channel receives.

ISDN Qualification

- Access via an IMA /EDI pre-order transaction.
- Request by address.
- CLEC has the ability to ask for multiple lines.
- This tool looks for available ISDN facilities.
- The response screen will display the number of facilities found. If ISDN capable facilities were found the Description field will indicate qualified facilities found, including information regarding pair gain, if applicable. Exhibit JML-12j is a copy of the response screen.