



# Mechanized Loop Test Policies and Procedures



# Mechanized Loop Test Policies and Procedures

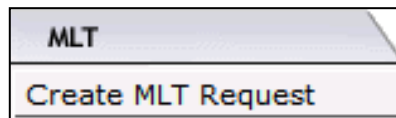
**Introduction** This document explains Frontier Communications’ policy and procedures for Mechanized Loop Tests (MLT).

**Definition** The MLT system permits Carriers access to real-time actual measurements for one of our sub loops. The MLT system breaks the connection between loop and the central office line card. It tests “outwards,” measuring resistance, capacitance, impedance and voltage on the loop in the direction of the end-user. It also tests “inward,” checking for presence of dial tone at the loop terminals of the line card and the ability to “break” dial tone. When the test is finished the loop is reconnected to the line card. This is done in an automated way and does not require any manual steps by Frontier personnel.

**Policies and Procedures** MLT is for non-design or POTS services only.

To request an MLT:

1. Hover the **MLT Tab** and select **Create MLT Request**.



2. Enter or select the following:

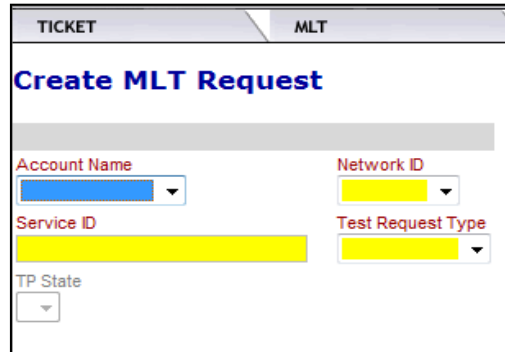
**Account Name:** Your Company Name Abbreviation

**Network ID:** Frontier

**Service ID:** Telephone Number for POTS Line

**Test Request Type:** Four types of tests can be requested

1. **CO** = Central Office
2. **Full**
3. **Loop Test**
4. **Quick Test**



3. Click the **Submit** icon (running person).
4. Click Refresh until a Response ID is return.

**NOTE:** Responses are returned within 45-120 seconds.

5. Click the Response ID to view the response.



# Mechanized Loop Test Policies and Procedures

<b>Results Returned by Frontier</b>			
<b>Full Test</b>	<b>Loop Test</b>	<b>Quick Test</b>	<b>Central Office Test</b>
Tip to ground resistance	Tip to ground resistance	Tip to ground resistance	
Tip to ground voltage	Tip to ground voltage	Tip to ground voltage	
Ring to ground resistance	Ring to ground resistance	Ring to ground resistance	
Ring to ground voltage	Ring to ground voltage	Ring to ground voltage	
Tip to ring resistance	Tip to ring resistance	Tip to ring resistance	
Ringers – 0 or 1	Ringers – 0 or 1	Ringers – 0 or 1	
Tip to ground resistance	Tip to ground resistance	Tip to ground resistance	
Ring to ground resistance	Ring to ground resistance	Ring to ground resistance	
Tip to ring resistance	Tip to ring resistance	Tip to ring resistance	
Longitudinal (decibels)	Longitudinal (decibels)		
Capacitive (percent)	Capacitive (percent)	Capacitive (percent)	
Longitudinal (decibels)	Longitudinal (decibels)		
C-Message Noise (dBrn)	C-Message Noise (dBrn)	C-Message Noise (dBrn)	
Total loop	Total loop	Total loop	
Open distance from the CO	Open distance from the CO	Open distance from the CO	
Line circuit status			Line circuit status
Dial tone status			Dial tone status



# Mechanized Loop Test Policies and Procedures

The VER Code and Description are displayed in the Summary field.

The screenshot shows a web interface for 'MLT Response Detail'. At the top, there are navigation tabs: TICKET, MLT, SEARCH, TEMPLATE, and ADMINISTRATION. Below the tabs, the title 'MLT Response Detail' is displayed. The main content area is titled 'Full Text Result' and contains several fields. A red rectangular box highlights the 'Summary' field, which contains the text: 'VER=14, CPE OR HIGH RESISTANCE OPEN LIGHT BATTERY R-G -3 V ADSL C.O. SPLITTER SIGNATURE FOUND VERY LIGHT BATTERY T-G -1 V CROSS TO WORKING PAIR: RING-SIDE'. Other fields include 'ID: 111160', 'Request ID: 111150', 'Creation Time: 04/24/08 05:27 PM', 'Invoke ID: 4550', 'Service ID', 'Sebuter's ID', and 'Account Name'. Below the summary, there are sections for 'DC Signature' and 'AC Signature', each with three columns of resistance and voltage measurements. At the bottom, there are sections for 'Balance', 'Loop', and 'Central Office', each with two columns of status information.

The link below contains all the possible VER codes and the descriptions.

<https://wholesale.frontier.com/-/media/WholesaleDocs/mlt-testing-frontier-code-guide.ashx>

DISCLAIMER: THIS DOCUMENTATION IS FOR INFORMATIONAL PURPOSES ONLY AND DOES NOT OBLIGATE FRONTIER TO PROVIDE SERVICES IN THE MANNER DESCRIBED IN THIS DOCUMENT. FRONTIER RESERVES THE RIGHT AS ITS SOLE OPTION TO MODIFY OR REVISE THE INFORMATION IN THIS DOCUMENT AT ANY TIME WITHOUT PRIOR NOTICE. IN NO EVENT SHALL FRONTIER OR ITS AGENTS, EMPLOYEES, DIRECTORS, OFFICERS, REPRESENTATIVES OR SUPPLIERS BE LIABLE UNDER CONTRACT, WARRANTY, TORT (INCLUDING BUT NOT LIMITED TO NEGLIGENCE OF FRONTIER), OR ANY OTHER LEGAL THEORY, FOR ANY DAMAGES ARISING FROM OR RELATING TO THIS DOCUMENT OR ITS CONTENTS, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.