



FRONTIER

# **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

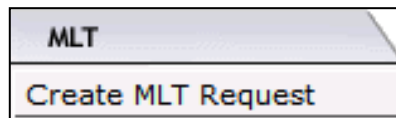
The MLT system permits Carriers access to real-time actual measurements for one of our sub loops. The MLT system breaks the connection between loop and the central office line card. It tests “outwards,” measuring resistance, capacitance, impedance and voltage on the loop in the direction of the end-user. 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.



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<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)		
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



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

TICKET	MLT	SEARCH	TEMPLATE	ADMINISTRATION
<b>MLT Response Detail</b>				
<b>Full Test Result</b>				
ID: 111160	Request ID: 111159			
Creation Time: 04/24/08 05:27 PM	Invoke ID: 4550			
Service ID:	Network ID:	Account Name:		
Summary: 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				
Additional Text:				
<b>DC Signature</b>				
Tip To Ring Resistance (KΩ): 2963	Tip To Ground Resistance (KΩ): 3500	Tip To Ground Volts (V): -1		
Ring To Ground Resistance (KΩ): 782	Ring To Ground Volts (V): -3			
<b>AC Signature</b>				
Tip To Ring Resistance (KΩ): 56	Tip To Ground Resistance (KΩ): 164	Ring To Ground Resistance (KΩ): 189		
Ringers: 0				
<b>Balance</b>				
Capacitive (%): 0	Longitudinal(dB): 0			
<b>Loop</b>				
Total Loop: 0	Open Distance From Central Office:			
<b>Central Office</b>				
Line Circuit Status: OK		Dial Tone Status: OK		

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

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

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