Line Split and Line Share Job Aid

Contents

Frontier Wholesale

Jurisdiction: All
Revised Date: 4/29/2020

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Overview	This document provides information about Line Split and Line Share service. General guidelines for order entry are included.
Availability	Line Split service is provisioned only on Platform POTS line. Therefore, Line Split is available where Platform service is offered and when a contract is in place.
Contracted Agreement Only	Line Share Contracts • To order new Line Share service, the CLEC must have the ability to sell unbundled service in their contract with Frontier. Additionally, they must have signed a state specific agreement or have filed an amended contract that authorizes them to offer Line Share. This agreement may be called a Vista. The Vista defines the terms of the services ordered by the CLEC. When Line Share service is ordered, a contract database is queried and rejected in VFO when the contract table does not indicate a Vista for the service. Line Split Contracts • To order new Line Split service, the CLEC must have the ability to sell unbundled service in their contract with Frontier (UNE Platform service.) They must have signed a state specific agreement or have filed an amended contract that authorizes them to offer Line Split. • A CLEC must enter into an agreement with the Platform provider of the telephone service on which the Line Split will be provisioned. A relationship table in Frontier's database houses this information. When an order for Line Split is submitted, the table is queried. If the ordering CLEC doesn't have a relationship with the existing Platform service provider, the PON is rejected. Many times, the Platform POTS provider and the Line Split provider may be the same company. Contact your Frontier account manager for contract information about Line Share service.

Line Share

Description of Line Share Service	**Simple description:** Line Share is an arrangement where a CLEC provides high speed Internet service on a Frontier-switched Retail or Resale POTS (copper) line. The CLEC bills the end user for the HSI service.

In a Line Share Arrangement, Frontier provides the voice service and the CLEC provides the data service. As a result, the CLEC is responsible for providing the splitter, or in some areas my lease it from Frontier. The CLEC is also responsible for providing its own Digital Subscriber Line Access Multiplexer (DSLAM) in a collocation arrangement with Frontier, and for providing or arranging for any CPE that may be required at the end user premises for the data service.

How does it work?
Line Sharing is provisioned by adding xDSL service is added to a local loop that is being used for "traditional" voice service. Passive signal filters, or "splitters", are deployed at each end of the end user's local loop. The splitter divides the digital and voice-band signals concurrently traveling the local loop, directing the voice-band signals to the local Central Office, and directing the digital traffic to the CLEC co-location equipment which includes a DSLAM (Digital Subscriber Line Access Multiplexer.)

In order for a loop to be eligible for a Line Share Arrangement:
- The analog voice-grade POTS service must be provided to the end user by Frontier and must originate from a Frontier central office in the wire center where the Line Share arrangement is being requested.
- The end user service can be retail or resale.
- The existing loop must be ADSL capable
- The existing service cannot be served by fiber
- Existing HSI or Line Share cannot already be in service on the end user service
- The xDSL technology deployed by the CLEC must not interfere with the analog voice band transmission

.Request Type (REQTYP) AB LSR Entry

This chart provides an overview of REQTYP AB that supports Line Share LSR ordering.

Activity	REQTYP / ACT	Notes & Tips
Install new line share AB–N New Linesharing Service	AB–N	• Enter the end user's TN in the EATN field (EU form) • Enter the end user's TN in the SLTN (LS form)
Change existing line share service	AB–C	• Enter the end user's TN in the EATN field (EU form) • Enter the end user's TN in the SLTN (LS form)
Disconnect line share service when the end user TN has ported away or disconnected	AB–D	• Enter the *fictitious* TN in the EATN field (EU form) • Enter the *fictitious* TN in the SLTN (LS form)
Disconnect line share service when the end user TN is still in service	AB–D	• Enter the end user's TN in the EATN field (EU form) • Enter the end user's TN in the SLTN (LS form)
Move the line share service to the new location (end user TN has already moved)	AB–T	• Enter the end user's TN in the EATN field (EU form) • Enter the end user's TN in the SLTN (LS form)

Request Type (REQTYP) EB LSR Entry

This chart provides an overview of REQTYP EB that supports Line Share LSR ordering.

Activity	REQTYP / ACT	Notes & Tips
Migrate Retail/Resale service to Resale with CLEC line share	EB-V	TOS= any valid value* *TOS 2nd POS "R" Line Share is allowed, but not required. Line Share service is retained on all EB-V regardless of the TOS value.
Migrate Retail/Resale service to Resale service with FTR HSI	EB-V	TOS= any valid value* *TOS 2nd POS "R" Line Share is allowed, but not required. Line Share service is retained on all EB-V regardless of the TOS value.

End User Disconnects

What happens when a TN is disconnected and there is a related Line Share service on the line?

- When the TN is disconnected, the Line Share service is disconnected, as well. The Line Share account, however, stays in service until the CLEC submits an order to remove it.
- Resale line disconnects generate a line loss notification to the Resale provider. If the Line Share provider is a related or the same company, they will receive the notice of disconnect.
- Retail line disconnects do not generate a line loss notification to the Line Share provider.

Line Split

Description of Line Split Service	**Simple description:** Line Split is an arrangement where a CLEC provides high speed Internet service on an unbundled voice service subscriber loop (Platform POTS.) The Line Split service is billed on the Platform end user account. Therefore, the Platform provider pays Frontier for the Platform UNE POTS and the Line Split service.

Data uses the higher frequency ranges and voice the lower frequencies of the same line to split the technology into a shared line. Each CLEC provider merely employs different analog frequencies for transporting voice and data on the line. One splitter is installed at the end user premises and a second one at the central office. The splitters permit xDSL service to be added to the Platform loop so that Line Splitting can be provisioned.

To provision Line Splitting, the voice CLEC needs a Wholesale Advantage (Platform) agreement or the data CLEC needs a Line Sharing agreement in the central office where the line is to be split. The end user must be an active Wholesale Platform customer in the serving switch provider.

How does it work?
Line Splitting is provisioned by adding xDSL service to a Platform POTS service. Passive signal filters, or "splitters", are deployed at each end of the end user's local loop. The splitter divides the digital and voice–band signals concurrently traveling the local loop, directing the voice–band signals to the local Central Office, and directing the digital traffic to a DSLAM (Digital Subscriber Line Access Multiplexer) attached to the packet–switch network.

Line Split is a UNE Loop product. Unlike Line Share service which is billed to the ordering CLEC, Line Split service MRC and NRC charges are billed directly on the terminating telephone number of the Platform account.

Request Type (REQTYP) AB LSR Entry

This chart provides an overview of REQTYP AB that supports Line Split LSR ordering.

TOS = xPxx 2nd POS must be "2"   See LSR Type of Service Codes

Activity	REQTYP / ACT	Notes & Tips
Install new line Split Non–conditioned 3 days Conditioned 10 days	AB–N	• Enter the end user's TN in the EATN field (EU form) • Enter the end user's TN in the SLTN (LS form) • TOS 2nd POS must be "P"
Change existing line Split service	AB–C CI=A CI=E	• Enter the end user's TN in the EATN field (EU form) • Enter the end user's TN in the SLTN (LS form) • TOS 2nd POS must be "P"
Disconnect only the Line Split service	AB–D	• Enter the end user's TN in the EATN field (EU form) • Enter the end user's TN in the SLTN (LS form) • TOS 2nd POS must be "P"

Request Type (REQTYP) DB LSR Entry

This chart provides an overview of REQTYP DB that supports Line Split LSR ordering.

See LSR Type of Service Codes

Activity	REQTYP / ACT	Notes & Tips
Disconnect the Line Split and the Platform POTS service	DB–D	• Enter the end user's TN in the EATN field (EU form) • TOS 2nd POS must be "P"
Move the Platform POTS and Line Split service to a new location	DB–T	• Enter the end user's TN in the EATN field (EU form) • TOS 2nd POS must be "P"
Migrate to Platform service and retain (Line Split)	DB–V	• TOS 2nd POS must be "P"
Migrate to Platform service and retain Frontier HSI	DB–V	• TOS 2nd POS must be "P" • ACNA must be BNK
Migrate to Platform service and DO NOT RETAIN HSI (Line Split)	DB–V	• TOS 2nd POS **cannot** be "P"

End User Disconnects

What happens when a TN is disconnected and there is Line Split service on the line?
When the TN is disconnected, the Line Split service along with any billing is disconnected, as well.

Change Log

Date	Page Number	Change
4/29/2021	Various	Updated embedded links to new URLs.

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