



VFO Loop Qualification Bulk Loader Job Aid

Frontier Wholesale

Jurisdiction: All

Revised Date: 07/25/2021



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Overview

Frontier's Loop Qualification Bulk Loader provides customers, with VFO access, the ability to perform xDSL pre-qualification for up to 2000 addresses, across the Frontier footprint, on one file. The Bulk Loader is available from the Local Module in Frontier's VFO GUI, and may be utilized for transaction type H or X, only. The Loop Qualification Bulk Loader allows the customer to upload a CSV source file containing the data for each loop qualification request. Links to the [CSV source file templates](#) are provided within this job aid.

The Loop Qualification Bulk Loader tool will create individual transactions for each valid line of data provided on an uploaded CSV file. The individual transactions will be submitted to Frontier's backend provisioning systems. To be eligible for a response, all individual transactions must pass Frontier's upfront business rules requirements, as set for each transaction type (H, X).

Uploaded Bulk Loader CSV files will be available for viewing across the customer's VFO profile. All individual pre-order transactions, created as the result of a Bulk Loader CSV file, will automatically be saved allowing for future searching and viewing in VFO.



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Bulk Loader Window

Bulk Loader CSV files may be uploaded during available VFO operating hours. When VFO is not available, Bulk Loader CSV files may not be uploaded. Once a Bulk Loader CSV file passes the upfront validation, it will be placed into 'Uploaded' status and await transaction creation and submission.

Valid Bulk Loader CSV file transactions will be generated and submitted during a Bulk Loader window, on a first come, first serve basis. If the volume of Bulk Loader CSV file transactions exceeds the transaction limit for a particular Bulk Loader window, remaining Bulk Loader CSV file transactions will be held for the next available Bulk Loader window. The Bulk Loader window will occur daily **after normal business-hours between the hours of 10:00 p.m. Eastern Time and 6:00 a.m. Eastern Time, unless a maintenance window is planned.**

Frontier standard maintenance windows are available from the published System Availability Schedule located on the System Availability page of the Frontier Wholesale Operations Website at: <https://wholesale.frontier.com/resources/systems-and-online-tools/system-availability.html>. Exceptions to the standard maintenance windows are also published on the System Availability page. Bulk Loader CSV files will not be processed during any maintenance window.



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Bulk Loader File Status

The following Bulk Loader CSV File Statuses may occur throughout the lifecycle of the file:

Uploaded – File is uploaded in VFO and awaiting verification and processing during an available Bulk Loader Schedule window.

Failed* – File has not passed the minimum verification, or All lines of file have invalid data or timed out. No further action will occur.

Processing* – File has passed the minimum verification and Bulk Loader utility has started to read through each row in the file.

Submitted* – Individual pre-order transactions have been generated and submitted to Frontier's provisioning system during an available Bulk Loader Schedule window and awaiting response.

Partially Completed* – Individual transaction responses have begun to be returned and response fields are being populated on the target file.

Completed* – All individual transaction responses are now returned, and response fields populated on target file. If any pre-order transactions, for a given source file, time out (i.e., no responses are received), the file will be considered Completed 5 minutes after the last pre-order is submitted.

***Status will occur only during a [Bulk Loader window](#).**



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Available Bulk Loader Transaction Types (TXTYP)

There are two local pre-order transaction types available to request via the Bulk Loader in VFO. The two transactions available are the xDSL Loop Qualification (TXTYP H) and the Loop Qualification DSL for Wholesale Broadband (TXTYP X). The Bulk Loader CSV file, for each transaction type, must contain the same data as required when submitting individual pre-order transactions for the respective transaction type.

xDSL Loop Qualification (TXTYP = H)

The xDSL Loop Qualification (TXTYP = H) is available to request via the Bulk Loader in VFO. The xDSL Loop Qualification has a defined set of fields required for a valid inquiry. For more on the valid field entries, please see the [Field Entry](#) section below. The xDSL Loop Qualification also has a defined set of fields that may be returned on the response. For more information on the response fields, please see the [Response Fields](#) section below.

Loop Qualification DSL for Wholesale Broadband (TXTYP = X)

The Loop Qualification DSL for Wholesale Broadband (TXTYP = X) is available to request via the Bulk Loader in VFO. The Loop Qualification DSL for Wholesale Broadband has a defined set of fields required for a valid inquiry. For more on the valid field entries, please see the [Field Entry](#) section below. The Loop Qualification DSL for Wholesale Broadband also has a defined set of fields that may be returned on the response. For more information on the response fields, please see the [Response Fields](#) section below.



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Bulk Loader CSV Source Files

To initiate a Bulk Loader request, customers must upload the respective Bulk Loader CSV source file. Each file must be populated, as required, to ensure a valid upload. The specific Bulk Loader source file template shall be utilized for each transaction type.

Source file templates are in CSV format and must remain in CSV format for successful upload to VFO.

The maximum number of lines of data that may be submitted on a source file is 2000 lines of data. Bulk Loader CSV source files that are not in CSV format or contain more than 2000 lines of data, will receive an error and will not be uploaded.

Lines 1 and 2 of the Bulk Loader CSV source file are header rows and should NOT be adjusted in any way. The first customer-provided line of data (address) will appear on line 3. Columns shown on the Bulk Loader CSV source file templates should not be adjusted in any way.

Templates

Below are links to the Bulk Loader CSV source file templates:

- [Bulk Loader xDSL Loop Qualification \(TXTYP = H\) Template](#)
- [Bulk Loader Loop Qualification DSL for Wholesale Broadband \(TXTYP=X\) Template](#)

Once the Bulk Loader CSV source file is uploaded, users will be able to view and download the source file, regardless of file status. Only the source data provided on the upload will be viewable from the source file.

Notes:

1. Customer data placed on lines 1 or 2 of the Bulk Loader CSV source file will not be processed.
2. Source files that contain only header rows 1 and 2 will receive an error.
3. Source files that do not contain the header rows 1 and 2 as shown in the template will receive an error.
4. Source files that do not contain the same number of columns as the template will receive an error.
5. Source files that are not in CSV format will receive an error.
6. Source files that contain more than 2000 lines of data will receive an error.



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Field Entry

Bulk Loader CSV source files require the same minimum field entry and population requirements when creating individual pre-order transactions in VFO, as stated in the Local Pre-Order Business Rules. For full details on each field entry, please refer to the respective LSR Pre-Order Form available on the Business Rules page of the Frontier Wholesale Operations website at:

<https://wholesale.frontier.com/resources/local-services/business-rules.html>.

Field Entry Restrictions:

- If certain fields contain leading zeroes, the cell data must be enclosed with double quotes to ensure the leading zeroes are retained.
 - For example, if the address zip code is 08816 - the ZIP cell data should be populated as "08816"
- If a special character(s) is required in the field data (as allowed per the business rules), the cell data must contain a leading apostrophe (') to ensure the field data is read as text.
 - For example, if the street address is 11 ½ Main Street - the SASF cell data should be populated as '1/2
- The STATE cell data must contain 2 uppercase alpha characters.
- The WTN cell data must only contain 10 numeric characters, when populated.
- Non ASCII characters will not be supported in the CSV source files.
- There will be no duplicate row validation. Each row of data containing the minimum field entry, even if duplicate, will be processed.

Caution! Users should take extra caution when using copy/paste function to populate CSV source file to ensure no extra spaces or invalid characters are populated to the file.

Following are the Bulk Loader CSV source file fields, by transaction.



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xDSL Loop Qualification (TXTYP=H) Source File Fields

Field	Field Name	CSV Source File Column
TXTYP	Transaction Type	A
TXACT	Transaction Activity	B
CC	Company Code (Use double quotes to ensure the leading zeroes are retained)	C
ROUTE	Route	D
BOX	Box Number	E
AFT	Address Format Type	F
SAPR	Service Address Number Prefix	G
SANO	Service Address Number	H
SASF	Service Address Number Suffix	I
SASD	Service Address Street Directional Prefix	J
SASN	Service Address Street Name	K
SATH	Service Address Street Type	L
SASS	Service Address Street Directional Suffix	M
LD1	Service Address Location Designator 1	N
LV1	Service Address Location Value 1	O
LD2	Service Address Location Designator 2	P
LV2	Service Address Location Value 2	Q
LD3	Service Address Location Designator 3	R
LV3	Service Address Location Value 3	S
CITY	City	T
STATE	State (Must be 2 Uppercase Alpha Characters)	U
ZIP	Zip/Postal Code (Use double quotes to ensure the leading zeroes are retained)	V
WTN	Working Telephone Number (10-digit format only)	W

For successful responses:

- Each line of data must provide the Transaction Type (TXTYP) of 'H'
- Each line of data must provide the Transaction Activity (TXACT) of 'A'
- Each line of data must provide valid Company Code (CC)
- Each line of data must provide one of the following:
 - Working Telephone Number (WTN) and State fields
 - Full address in the associated fields

Note: Lines of data that are not populated correctly, will receive business rule violation errors as a response. Reject errors will be provided in the PRESPEC and PRESPEC fields of the target file.



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Loop Qualification DSL for Wholesale Broadband (TXTYP=X) Source File Fields

Field	Field Name	CSV Source File Column
CCNA	Customer Carrier Name Abbreviation	A
TXTYP	Transaction Type	B
TXACT	Transaction Activity	C
CC	Company Code <i>(Use double quotes to ensure the leading zeroes are retained)</i>	D
ROUTE	Route	E
BOX	Box Number	F
AFT	Address Format Type	G
SAPR	Service Address Number Prefix	H
SANO	Service Address Number	I
SASF	Service Address Number Suffix	J
SASD	Service Address Street Directional Prefix	K
SASN	Service Address Street Name	L
SATH	Service Address Street Type	M
SASS	Service Address Street Directional Suffix	N
LD1	Service Address Location Designator 1	O
LV1	Service Address Location Value 1	P
LD2	Service Address Location Designator 2	Q
LV2	Service Address Location Value 2	R
LD3	Service Address Location Designator 3	S
LV3	Service Address Location Value 3	T
CITY	City	U
STATE	State <i>(Must be 2 Uppercase Alpha Characters)</i>	V
ZIP	Zip/Postal Code <i>(Use double quotes to ensure the leading zeroes are retained)</i>	W
WTN	Working Telephone Number <i>(10-digit format only)</i>	X
DCADDRESS1	Delivery Contact Address	Y
DCUNIT	Delivery Contact Unit Type	Z
DCUNITVALUE	Delivery Contact Unit Value	AA
DCCITY	Delivery Contact City	AB
DCSTATE	Delivery Contact State	AC
DCZIP	Delivery Contact Zip/Postal Code	AD

For successful responses:

- Each line of data must provide the Transaction Type (TXTYP) of 'X'
- Each line of data must provide the Transaction Activity (TXACT) of 'A' or 'P'
 - If 'P', the Delivery Contact fields must be provided
- Each line of data must provide valid CCNA and Company Code (CC)
- Each line of data must provide one of the following:
 - Working Telephone Number (WTN) and State fields
 - Full address in the associated fields

Note: Lines of data that are not populated correctly, will receive business rule violation errors as a response. Reject errors will be provided in the PRESPC and PRES PD fields of the target file.



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Uploading Bulk Loader CSV Source File

Minimum Requirements to Upload

For a file to successfully upload and move to processing status, the following minimum requirements must be met.

1. Email ID must be provided.
2. Email ID provided must be in a valid format.
3. Number of columns must conform to the number of columns on the respective source file.
4. Number of addresses provided (customer data rows) exceeds 2000.
5. Invalid file type (other than .csv) is being uploaded.

The TXTYP field must be populated with a valid transaction type of 'H' or 'X'. Source files may only contain one TXTYP per file. The respective Bulk Loader CSV source file for each TXTYP is required. If both the xDSL Loop Qualification and the Loop Qualification DSL for Wholesale Broadband are needed, separate Bulk Loader CSV source files will be required. Each Bulk Loader CSV source file must contain all like transaction types.

If a successfully uploaded Bulk Loader CSV source file contains invalid TXTYP across all data lines, the file status will update to 'Failed'. If a successfully uploaded Bulk Loader CSV source file has some rows of data populated with the incorrect TXTYP, the file status will update to 'Submitted' however, the individual row(s) of data with incorrect TXTYP will not be processed. On the target file, the Failure Reason column of the individual row(s) with the incorrect TXTYP will show as 'TXTYP value should match the header TXTYP'. All valid row(s) of data will be processed.

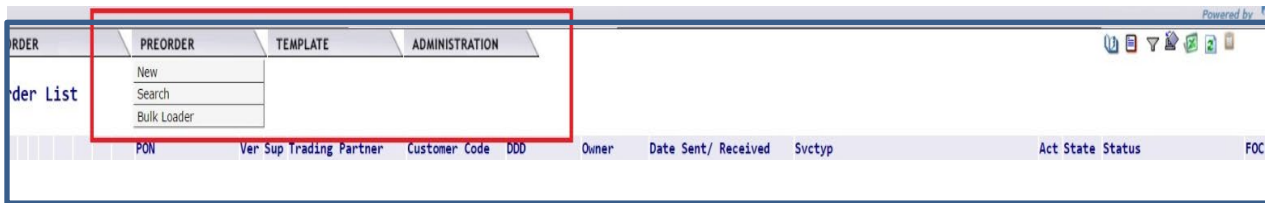
Further verification of provided data will occur once the successfully uploaded Bulk Loader CSV source file is updated to 'Processing' status.

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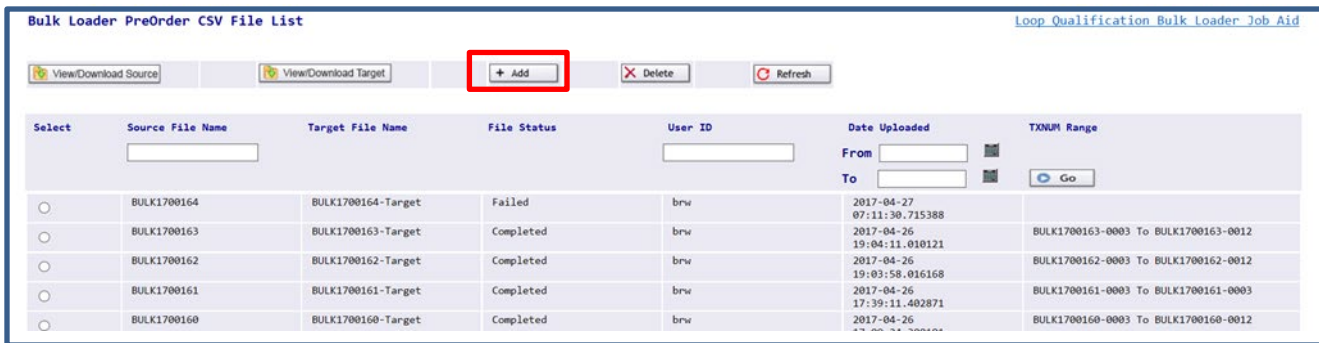
Upload Source File

To upload a xDSL Loop Qualification (TXTYP=H) or Loop Qualification DSL for Wholesale Broadband (TXTYP=X) Bulk Loader CSV source file:

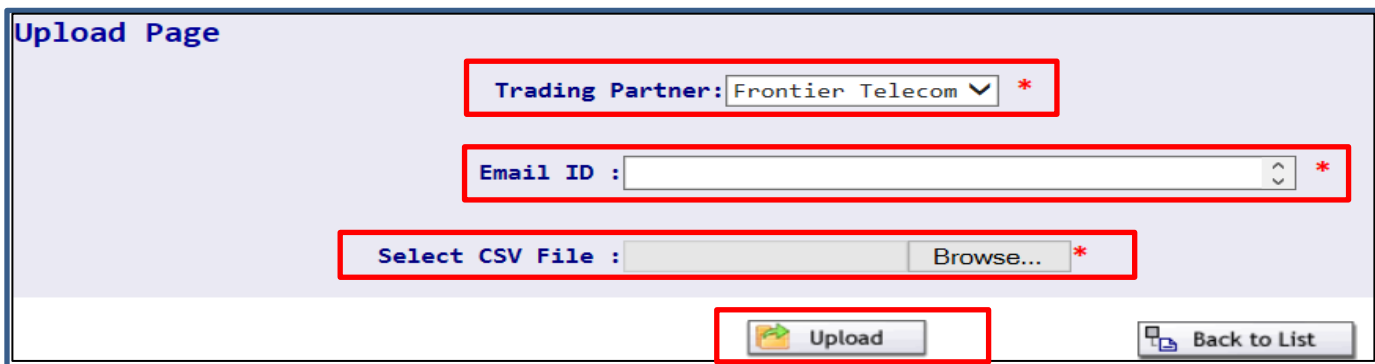
- Log into the VFO Local Module
- Hover the mouse over the Pre-order tab
- Select Bulk Loader



The Bulk Loader Pre-Order CSV File List screen will be presented.



1. Select "+Add" button from the Bulk Loader Pre-Order CSV File screen to open the Upload window.



2. Trading Partner will default to Frontier.
3. Populate the email ID for notification. Only one email address may be populated. This is the email address that will receive file completion status notification from Frontier.

Alert! Only minimal validation of email format will be performed (xxx@xx.xxx). Please take caution to ensure email address is correctly populated before uploading. Providing



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an incorrect email address will cause failure to receive notification that file status is 'Failed' or 'Completed'.

4. Locate the CSV file by selecting the 'Browse' button allowing you to browse locally saved files. Once the correct file has been located and selected, click Upload.

To cancel upload and return to the Bulk Loader PreOrder CSV File List screen, select the Back to List button.

Upload Page

Trading Partner: Frontier Telecom *

Email ID : *

Select CSV File : Browse... *

Upload Back to List

Possible Upload Failure Cause and Error Message:

Cause	Error Message
No Email ID Provided	The Email ID field is required
Email ID Format Invalid	The Email ID format is invalid
Template Columns Adjusted or Removed	The file being uploaded has invalid Header Rows -or- The file being uploaded is invalid
File Contains More Than 2000 Addresses	The file being uploaded exceeds the limit of 2000 rows
File Type is Not .csv	Please select a valid file format to upload



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Bulk Loader CSV Source File Name Assignment

Upon successful upload of a Bulk Loader CSV source file, a Bulk Loader CSV Source File Name will be generated by the VFO Bulk Loader. The Bulk Loader CSV Source File Names will be shown on the Bulk Loader PreOrder CSV File List screen in VFO.

The first four characters of the Source File Name will always be 'BULK'. Immediately following the first four characters (BULK) will be the 2-digit year when the file was uploaded. Next will be a 5-digit sequentially assigned file number. Each Source File Name will be 11 characters in length. (example: BULK1700164)

Note: Bulk Loader CSV source files that do not successfully upload, will receive an error in the top left corner of the screen and no Source File Name will be assigned.

Select	Source File Name	Target File Name	File Status	User ID	Date Uploaded	TXNUM Range
<input type="radio"/>	BULK1700164	BULK1700164-Target	Failed	brw	2017-04-27 07:11:30.715388	
<input type="radio"/>	BULK1700163	BULK1700163-Target	Completed	brw	2017-04-26 19:04:11.010121	BULK1700163-0003 To BULK1700163-0012
<input type="radio"/>	BULK1700162	BULK1700162-Target	Completed	brw	2017-04-26 19:03:58.016168	BULK1700162-0003 To BULK1700162-0012
<input type="radio"/>	BULK1700161	BULK1700161-Target	Completed	brw	2017-04-26 17:39:11.402871	BULK1700161-0003 To BULK1700161-0003
<input type="radio"/>	BULK1700160	BULK1700160-Target	Completed	brw	2017-04-26 17:00:21.300181	BULK1700160-0003 To BULK1700160-0012

The Bulk Loader PreOrder CSV File List will display all successfully uploaded Bulk Loader Source Files, including the Source File Name, the File Status, User ID (user uploading the file), Date Uploaded and TXNUM Range. The TXNUM Range identifies the number of lines on the uploaded file that will be processed. Bulk Loader File Status will show 'Uploaded' immediately following successful upload.

Uploaded CSV source files will remain in 'Uploaded' status until the next available window of the [Bulk Loader schedule](#).

Note: Bulk Loader Target File Name will only be shown once File Status is updated to 'Partially Completed', 'Failed' or 'Completed'.



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Bulk Loader Email Notification

Email notification will be sent once the File Status column, on the Bulk Loader CSV File List screen in VFO, is updated as 'Failure' or 'Completed' status. The email notification will be sent to the email contact provided at the time the Bulk Loader CSV source file was uploaded. The email does not provide a link to the Bulk Loader CSV target file. Once email notification is received the user can log into VFO to view the failure reason, or the completed target file, from the Bulk Loader CSV File List screen.

Below are examples of the email:

Failure Status Email

From: prod_ep@frontier.com

Sent: Friday, January 29, 2017 1:03 PM

To: abccompany@test.com

Subject: File Failure was generated on BULK17xxxx. Please check VFO for details.

BODY: Failure Status is generated when the Source File has failed to process. Please upload corrected file in VFO for processing.

Do not reply to this email.

Completed Status Email

From: prod_ep@frontier.com

Sent: Friday, January 29, 2017 1:03 PM

To: abccompany@test.com

Subject: Completed Status was generated on BULK17xxxx. Please check VFO for details.

BODY: Completed Status is generated when all transactions are completed with responses available. Please download Target File from VFO to view completed transactions.

Do not reply to this email.

Note: Sent date/time format may vary depending on recipient's email platform.



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Searching Bulk Loader Files

Searching is available at the file level from the Bulk Loader CSV File List screen in VFO. Search criteria available at the file level include:

- Source File Name
- User ID
- Date Uploaded Date Range

Source File Name Search

The screenshot shows the 'Bulk Loader PreOrder CSV File List' interface. At the top, there are buttons for 'View/Download Source', 'View/Download Target', '+ Add', 'Delete', and 'Refresh'. Below these is a table with columns: Select, Source File Name, Target File Name, File Status, User ID, Date Uploaded, and TXNUM Range. The 'Source File Name' column has a search input field. The 'Date Uploaded' column has 'From' and 'To' date pickers. The 'TXNUM Range' column has a 'Go' button. A blue arrow points to the search input field, and another blue arrow points to the 'Go' button. The table contains six rows of data with various file names, target names, statuses, user IDs, and dates.

To initiate a search by Source File Name, open the Bulk Loader Pre-Order CSV File List screen in VFO. Populate the name of the source file in full, or partial with the wildcard search (%). Select the Go button on the right.

User ID Search

The screenshot shows the 'Bulk Loader PreOrder CSV File List' interface. At the top, there are buttons for 'View/Download Source', 'View/Download Target', '+ Add', 'Delete', and 'Refresh'. Below these is a table with columns: Select, Source File Name, Target File Name, File Status, User ID, Date Uploaded, and TXNUM Range. The 'User ID' column has a search input field. The 'Date Uploaded' column has 'From' and 'To' date pickers. The 'TXNUM Range' column has a 'Go' button. A blue arrow points to the search input field, and another blue arrow points to the 'Go' button. The table contains six rows of data with various file names, target names, statuses, user IDs, and dates.

To initiate a search by User Id, open the Bulk Loader Pre-Order CSV File List screen in VFO. Populate the User ID of the user who uploaded the source file in full, or partial with the wildcard search (%). Select the Go button on the right.

Date Uploaded Date Range Search



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Bulk Loader PreOrder CSV File List [Loop Qualification Bulk Loader Job Aid](#)

Select	Source File Name	Target File Name	File Status	User ID	Date Uploaded	TAXNUM Range
<input type="checkbox"/>	BULK1700165	BULK1700165-Target	Failed	brw	2017-04-27 07:48:04.592715	
<input type="checkbox"/>	BULK1700164	BULK1700164-Target	Failed	brw	2017-04-27 07:11:30.715388	
<input type="checkbox"/>	BULK1700163	BULK1700163-Target	Completed	brw	2017-04-26 19:04:11.010121	BULK1700163-0003 To BULK1700163-0012
<input type="checkbox"/>	BULK1700162	BULK1700162-Target	Completed	brw	2017-04-26 19:03:58.016168	BULK1700162-0003 To BULK1700162-0012
<input type="checkbox"/>	BULK1700161	BULK1700161-Target	Completed	brw	2017-04-26 17:39:11.402871	BULK1700161-0003 To BULK1700161-0003

From: To:

To initiate a search by Date Uploaded date range, open the Bulk Loader Pre-Order CSV File List screen in VFO. Select the calendar icon for the 'From' date and select the date that represents the beginning of your date range. Select the calendar icon for the 'To' date and select the date that represents the end of your date range. Select the Go button on the right.

Users will be able to view, download or delete files based on the matrix below.

FILE STATUS	Users Allowed to View/Download Source?	Users Allowed to View/Download Target?	Users Allowed to Delete File?
Uploaded	Yes	Error "No target file to view/download"	Yes
Processing	Error "Unable to view/download source file that is being processed"	Error "No target file to view/download"	Error "Unable to delete file in this status"
Submitted	Yes	Error "No target file to view/download"	Error "Unable to delete file in this status"
Partially Completed	Yes	Error "No target file to view/download"	Error "Unable to delete file in this status"
Completed	Yes	Yes	Yes
Failed	Yes	Yes	Yes



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Bulk Loader Target Files

Once the File Status of a Bulk Loader CSV target file is updated to 'Failed' or 'Completed', a Bulk Loader CSV target file will be available to download from the Bulk Loader Pre-Order CSV File List screen in VFO. Bulk Loader target files will provide individual line-by-line responses and/or failure reasons.

Failure reasons will show for any lines of data that either failed to submit or timed out. Possible failure reasons include 'Timed Out' or 'TXTYP value should match the header TXTYP' or 'Required field(s) missing'. Depending on the failure reason, failed lines may or may not contain a transaction number (TXNUM) and Date/Time Sent (DTSent). Response column information will not be populated for lines that contain a failure reason.

Transaction numbers will be assigned, by the Bulk Loader, for each successfully submitted line of data from the source file. The Bulk Loader CSV source file name will be included in each [transaction number](#) (TXNUM). Transaction numbers will be provided in the Target File.



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View/Download Bulk Loader CSV Target Files

To view or download a Bulk Loader CSV target file, hover the Pre-Order tab in the Local Module of VFO and select Bulk Loader. From the Bulk Loader Pre-Order CSV File List screen, select the radio button for the file you wish to view or download. Select the View/Download Target button at the top of the screen.

The screenshot shows the 'Bulk Loader PreOrder CSV File List' interface. At the top, there are buttons for 'View/Download Source', 'View/Download Target' (highlighted with a red box), '+ Add', 'Delete', and 'Refresh'. Below these buttons is a table with columns: Select, Source File Name, Target File Name, File Status, User ID, Date Uploaded, and TXNUM Range. The first row in the table has a radio button selected (highlighted with a red box) and a 'Failed' status. The other rows have 'Completed' status. A 'Go' button is located to the right of the table.

Select	Source File Name	Target File Name	File Status	User ID	Date Uploaded	TXNUM Range
<input checked="" type="radio"/>	BULK1700164	BULK1700164-Target	Failed	brw	2017-04-27 07:11:30.715388	
<input type="radio"/>	BULK1700163	BULK1700163-Target	Completed	brw	2017-04-26 19:04:11.010121	BULK1700163-0003 To BULK1700163-0012
<input type="radio"/>	BULK1700162	BULK1700162-Target	Completed	brw	2017-04-26 19:03:58.016168	BULK1700162-0003 To BULK1700162-0012
<input type="radio"/>	BULK1700161	BULK1700161-Target	Completed	brw	2017-04-26 17:39:11.402871	BULK1700161-0003 To BULK1700161-0003
<input type="radio"/>	BULK1700160	BULK1700160-Target	Completed	brw	2017-04-26 17:00:24.300181	BULK1700160-0003 To BULK1700160-0012

If file selected does not show a File Status of 'Failed' or 'Completed', the following error will be displayed "No target file to view/download".

The screenshot shows the 'Bulk Loader PreOrder CSV File List' interface with an error message 'No target file to view/download' displayed in a red box at the top left. The table below shows a file with 'Uploaded' status selected (radio button checked) and other files with 'Failed' and 'Completed' statuses. The 'Go' button is visible to the right of the table.

Select	Source File Name	Target File Name	File Status	User ID	Date Uploaded	TXNUM Range
<input checked="" type="radio"/>	BULK1700165	BULK1700165-Target	Uploaded	brw	2017-04-27 07:48:04.592715	
<input type="radio"/>	BULK1700164	BULK1700164-Target	Failed	brw	2017-04-27 07:11:30.715388	
<input type="radio"/>	BULK1700163	BULK1700163-Target	Completed	brw	2017-04-26 19:04:11.010121	BULK1700163-0003 To BULK1700163-0012

Note: There will be subtle differences between browser source when viewing or downloading the target files. For example, Internet Explorer users have the option to Open or Save the file, while Chrome users must first view the file before saving. Larger files (1000 lines of data or more) may experience a short delay to receive the Open/Save/View window after selecting the View/Download Target button. The user will not see any browser clock for the file opening in progress.



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Users will be able to view, download or delete files based on the matrix below.

FILE STATUS	Users Allowed to View/Download Source?	Users Allowed to View/Download Target?	Users Allowed to Delete File?
Uploaded	Yes	Error "No target file to view/download"	Yes
Processing	Error "Unable to view/download source file that is being processed"	Error "No target file to view/download"	Error "Unable to delete file in this status"
Submitted	Yes	Error "No target file to view/download"	Error "Unable to delete file in this status"
Partially Completed	Yes	Error "No target file to view/download"	Error "Unable to delete file in this status"
Completed	Yes	Yes	Yes
Failed	Yes	Yes	Yes



VFO Loop Qualification Bulk Loader Job Aid

Transaction Number (TXNUM) Assignment

As noted earlier, Bulk Loader Source File Names will be assigned by the Bulk Loader upon successful upload of the source file to VFO. Bulk Loader Source File Names will be shown on the Bulk Loader Pre-Order CSV File List screen in VFO.

The Source File Name will be included as the first element of each transaction number assigned. The Source File name will be the first 11 characters of the 16-character Transaction Number. The remainder of the Transaction Number assigned, will include a hyphen (-) directly followed by the 4-digit line of data reference from uploaded Bulk Loader CSV source file (0003 thru 2002).

Lines 1 and 2 of the Bulk Loader CSV source file are header rows and will be ignored. The first line of data provided by the customer should appear on line 3. Line 3, of the Bulk Loader CSV source file, will correspond to the 4-digit line of data reference '0003'. All subsequent lines of data will be sequentially assigned.

Empty rows on an uploaded Bulk Loader CSV source file will be removed and will not be included in the transaction number sequencing. Users viewing the uploaded source file will not see any blank rows.

Assigned Transaction Numbers will always be 16 characters in length.

Example: BULK1700001-0003

Transaction Numbers will be assigned to each qualifying line of data submitted on the uploaded bulk-load CSV file. Transaction Numbers may NOT be assigned to lines of data that have the Failure Reason column populated.



VFO Loop Qualification Bulk Loader Job Aid

Various Views of Bulk Loader Responses

Bulk Loader transaction responses are available to view from different sources.

Users may elect to view the full Target File responses from the Bulk Loader CSV File List Screen, in either Excel or Text Pad format. If viewing in excel, users need to be aware of some excel limitations:

- Leading zeroes will be dropped from data cells when viewing the target file in excel.
Example: Address Zip is 08816 - the ZIP cell data viewed in excel would be: 8816
- Special characters may take action against cell data when viewing the target file in excel.
Example: Address SASF is ½ - the SASF cell data viewed in excel would be: 2-Jan

Viewing the target file in Text Pad will show leading zeroes and/or special characters.

Users may also elect to view the individual transactions (TXNUMs) via the VFO Pre-Order Search screen from the VFO Local Module. More information on Searching Individual Bulk Loader Transactions is provided below.



VFO Loop Qualification Bulk Loader Job Aid

Response Fields

Below is a list of the possible response fields to be returned for each successful transaction from the Bulk Loader CSV file, and the associated column of the target file. For full details on each response field entry (excluding Failure Reason), please refer to the respective LSR Pre-Order Response Forms available on the Business Rules page of our website at:

<https://wholesale.frontier.com/resources/local-services/business-rules.html>.

Failure Reason is specific to the Bulk Loader and will show if a transaction failed to submit.

xDSL Loop Qualification (TXTYP=H) Target File Response Fields

Field Abbreviation	Field Name	CSV Target File Column
TXNUM	Transaction Number	A
DSENT	Date/Time Sent	B
<i>See Source Fields Above</i>	<i>Repeat of Source File Field Data as Provided</i>	<i>C thru Y</i>
FAILURE REASON	Failure Reason (Not included in Business Rule documents)	Z
DSENT	Date/Time Sent	AA
TXTYP	Transaction Type	AB
CC	Company Code	AC
ROUTE	Route	AD
BOX	Box Number	AE
AFT	Address Format Type	AF
SAPR	Service Address Number Prefix	AG
SANO	Service Address Number	AH
SASF	Service Address Number Suffix	AI
SASD	Service Address Street Directional Prefix	AJ
SASN	Service Address Street Name	AK
SATH	Service Address Street Type	AL
SASS	Service Address Street Directional Suffix	AM
LD1	Service Address Location Designator 1	AN
LV1	Service Address Location Value 1	AO
PVCINDCODE	Customer Privacy Indicators	AP
RSNNOTQUAL*(see note)	xDSL Reason Not Qualified	AQ
UPDT	Update Date and Time	AR
WIRECTRAREAFACSID	FACS Wire Center ID	AS
ADDRWITHINWCID	Address Qualified within Wire Center	AT
RTIND	Remote Terminal Indicator	AU
LD2	Service Address Location Designator 2	AV
LV2	Service Address Location Value 2	AW
LD3	Service Address Location Designator 3	AX
LV3	Service Address Location Value 3	AY
CITY	City	AZ
STATE	State	BA
ZIP	Zip/Postal Code	BB



VFO Loop Qualification Bulk Loader Job Aid

Field Abbreviation	Field Name	CSV Target File Column
MLT	Multi-Line Text	BC
MSG	Informational Message	BD
FE	Facility Environment	BE
LST	Local Service Termination	BF
LOOPSTAT	Loop Status	BG
LC	Location Code	BH
LL	Loop Length	BI
LPAC	Loop Product Available Code	BJ
WCN	Wire Center Name	BK
PRESPC(1)	Provider Response Code 1	BL
PRESPD(1)	Provider Response Description 1	BM
PRESPC(2)	Provider Response Code 2	BN
PRESPD(2)	Provider Response Description 2	BO
PRESPC(3)	Provider Response Code 3	BP
PRESPD(3)	Provider Response Description 3	BQ
PRESPC(4)	Provider Response Code 4	BR
PRESPD(4)	Provider Response Description 4	BS
PRESPC(5)	Provider Response Code 5	BT
PRESPD(5)	Provider Response Description 5	BU
PRESPC(6)	Provider Response Code 6	BV
PRESPD(6)	Provider Response Description 6	BW
PRESPC(7)	Provider Response Code 7	BX
PRESPD(7)	Provider Response Description 7	BY
PRESPC(8)	Provider Response Code 8	BZ
PRESPD(8)	Provider Response Description 8	CA
PRESPC(9)	Provider Response Code 9	CB
PRESPD(9)	Provider Response Description 9	CC
PRESPC(10)	Provider Response Code 10	CD
PRESPD(10)	Provider Response Description 10	CE

For full response field descriptions including response value identification, please refer to the **xDSL Loop Qualification Response** document available in the LSR Order and Pre-Order Response section of the Business Rules page.

For business rule violation error descriptions (FTRLXRxxx), please refer to the **xDSL Loop Qualification (TXTYP-H, K)** form on the Business Rules page. For a list of provisioning system reject errors (xxxxx), please refer to the **Pre-Order Error Code Response Matrix** available in the LSR Business Rules Reference Documents section of the Business Rules page. Business Rules Page: <https://wholesale.frontier.com/resources/local-services/business-rules.html>.

Reject errors, whether due to business rule violations or backend provisioning errors, are provided in the PRESPC and PRES PD fields of the target file.



VFO Loop Qualification Bulk Loader Job Aid

*RSNNOTQUAL Field Note: The xDSL Loop Qualification Extended should be requested only after the xDSL Loop Qualification (TXTYP=H) response is returned with one of the following values in the RSNNOTQUAL (xDSL Reason Not Qualified) field:

- No valid loop qual data. Request manual loop qual
- DLC - LST Dependent

The xDSL Loop Qualification Extended (TXTYP = K) must be processed individually via VFO. The xDSL Loop Qualification Extended (TXTYP = K) will receive a manual response via email and will be returned within 48 hours of submission.



VFO Loop Qualification Bulk Loader Job Aid

Loop Qualification DSL for Wholesale Broadband (TXTYP=X) Target File Response Fields

Field Abbreviation	Field Name	CSV Target File Column
TXNUM	Transaction Number	A
DTSENT	Date/Time Sent	B
<i>See Source Fields Above</i>	<i>Repeat of Source File Field Data as Provided</i>	<i>C thru AF</i>
FAILURE REASON	Failure Reason (Not included in Business Rule documents)	AG
DTSENT	Date/Time Sent	AH
TXTYP	Transaction Type	AI
TXACT	Transaction Activity	AJ
CC	Company Code	AK
ROUTE	Route	AL
BOX	Box Number	AM
AFT	Address Format Type	AN
SAPR	Service Address Number Prefix	AO
SANO	Service Address Number	AP
SASF	Service Address Number Suffix	AQ
SASD	Service Address Street Directional Prefix	AR
SASN	Service Address Street Name	AS
SATH	Service Address Street Type	AT
SASS	Service Address Street Directional Suffix	AU
LD1	Service Address Location Designator 1	AV
LV1	Service Address Location Value 1	AW
LD2	Service Address Location Designator 2	AX
LV2	Service Address Location Value 2	AY
LD3	Service Address Location Designator 3	AZ
LV3	Service Address Location Value 3	BA
CITY	City	BB
STATE	State	BC
ZIP	Zip/Postal Code	BD
RTIND	Remote Terminal Indicator	BE
MLT(1)	Multi-Line Text	BF
MLT(2)	Multi-Line Text	BG
MLT(3)	Multi-Line Text	BH
MLT(4)	Multi-Line Text	BI
MLT(5)	Multi-Line Text	BJ
MLT(6)	Multi-Line Text	BK
MLT(7)	Multi-Line Text	BL
MLT(8)	Multi-Line Text	BM
MLT(9)	Multi-Line Text	BN
MLT(10)	Multi-Line Text	BO
FE	Facility Environment	BP
LST	Local Service Termination	BQ
LSTRF	Line and Station Transfer	BR
MSG	Informational Message	BS
LOOPSTAT	Loop Status	BT



VFO Loop Qualification Bulk Loader Job Aid

Field Abbreviation	Field Name	CSV Target File Column
LSA	Loop Speeds Available	BU
PRESPC(1)	Provider Response Code 1	BV
PRESPD(1)	Provider Response Description 1	BW
PRESPC(2)	Provider Response Code 2	BX
PRESPD(2)	Provider Response Description 2	BY
PRESPC(3)	Provider Response Code 3	BZ
PRESPD(3)	Provider Response Description 3	CA
PRESPC(4)	Provider Response Code 4	CB
PRESPD(4)	Provider Response Description 4	CC
PRESPC(5)	Provider Response Code 5	CD
PRESPD(5)	Provider Response Description 5	CE
PRESPC(6)	Provider Response Code 6	CF
PRESPD(6)	Provider Response Description 6	CG
PRESPC(7)	Provider Response Code 7	CH
PRESPD(7)	Provider Response Description 7	CI
PRESPC(8)	Provider Response Code 8	CJ
PRESPD(8)	Provider Response Description 8	CK
PRESPC(9)	Provider Response Code 9	CL
PRESPD(9)	Provider Response Description 9	CM
PRESPC(10)	Provider Response Code 10	CN
PRESPD(10)	Provider Response Description 10	CO
DCADDRESS1	Delivery Contact Address	CP
DCADDRESS2	Delivery Contact Address	CQ
DCUNIT	Delivery Contact Unit Type	CR
DCUNITVALUE	Delivery Contact Unit Value	CS
DCCITY	Delivery Contact City	CT
DCSTATE	Delivery Contact State/Province	CU
DCZIP	Delivery Contact Zip/Postal Code	CV

For full response field descriptions including response value identification, please refer to the **Loop Qualification DSL for Wholesale Broadband Response** document available in the LSR Order and Pre-Order Response section of the Business Rules page.

For business rule violation error descriptions (FTRLQDxxx), please refer to the **Wholesale Broadband Loop Qualification Response (TXTYP-X)** form on the Business Rules page. For a list of provisioning system reject errors (xxxxx), please refer to the **Pre-Order Error Code Response Matrix** available in the LSR Business Rules Reference Documents section of the Business Rules page. Business Rules Page: <https://wholesale.frontier.com/resources/local-services/business-rules.html>.

Note: Reject errors, whether due to business rule violations or backend provisioning errors, are provided in the PRESPC and PRES PD fields of the target file.



VFO Loop Qualification Bulk Loader Job Aid

Deleting Bulk Loader Files

Bulk Loader CSV source and/or target files may only be deleted by user that uploaded the file. If your User ID is not shown in association with the Bulk Loader CSV file, you will not be authorized to delete the file.

To delete a Bulk Loader CSV file:

- From the Bulk Loader CSV File List screen in VFO, select the radio button to the left of the file to be deleted
- Select Delete

Select	Source File Name	Target File Name	File Status	User ID	Date Uploaded	TXNUM Range
<input type="radio"/>	BULK1700165	BULK1700165-Target	Failed	brw	2017-04-27 07:48:04.592715	
<input type="radio"/>	BULK1700164	BULK1700164-Target	Failed	brw	2017-04-27 07:11:30.715388	
<input type="radio"/>	BULK1700163	BULK1700163-Target	Completed	brw	2017-04-26 19:04:11.010121	BULK1700163-0003 To BULK1700163-0012
<input type="radio"/>	BULK1700162	BULK1700162-Target	Completed	brw	2017-04-26 19:03:58.016168	BULK1700162-0003 To BULK1700162-0012
<input type="radio"/>	BULK1700161	BULK1700161-Target	Completed	brw	2017-04-26 17:39:11.402871	BULK1700161-0003 To BULK1700161-0003

Before deleting the file, VFO will display a warning message. To confirm the action to delete, user must click OK button to complete the deletion.



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Change Log

Date	Page Number	Change
07/14/2017	24, 27	Update various reject error messages information
10/26/2017		Updated embedded links to secured URLs
06/22/2021	All	Update format, embedded links
7/25/2021	26, 27	Added additional MLT Field Abbreviations and updated the CSV Target File Column

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