

Virtual Front Office (VFO)

Wholesale Broadband Training Guide

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Before We Begin



Customers interested in ordering Wholesale Advantage Broadband services must have a valid contract at the time of order submission. If you are interested in negotiating a Wholesale Advantage Broadband or other contract, please contact your Frontier Account Manager. If you are not sure who your Frontier Account Manager is, please email a request for information to: wholesale-inquiry@ftr.com.

Connectivity to the Local Module of Frontier's Virtual Front Office (VFO), or a valid bonded option, is required to process LSR Pre-Order and LSR Order transactions. Please visit the <u>Get Connected for Wholesale Broadband Services (frontier.com)</u> page to access the necessary forms.

- Complete and submit the Frontier Connectivity Access Form to request VFO or Bonded connectivity.
- 2. Complete the Wholesale Advantage Broadband Customer Profile Form to establish a Billing Profile.



Pre-Order

Serviceability Tools
Qualifying Locations in VFO
Online References

Serviceability Tools



Wholesale Customers with the ability to request <u>instant quotes</u> for Wholesale Advantage Broadband services from the serviceability tools Connectbase and Masterstream.

For more information, please visit:

- Connectbase: https://wholesale.frontier.com/resources/systems-and-online-tools/connectbase.html
- Masterstream: https://wholesale.frontier.com/resources/systems-and-online-tools/masterstream.html

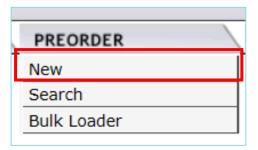
Creating a Pre-Order in VFO

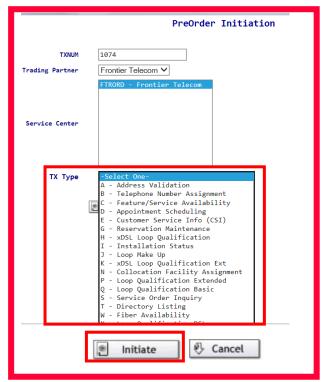


- Hover mouse over PREORDER tab in VFO Local Module
- Select menu option PREORDER > New
- TXNUM auto-populates
- Select Service Center
- Select TX Type
- Click Initiate

Wholesale Broadband Pre-Order Transaction Types

- TX Type A Address Validation
- TX Type B Telephone Number Assignment
- TX Type H xDSL Loop Qualification*
- TX Type K xDSL Loop Qualification Ext*
- TX Type X Loop Qualification DSL*



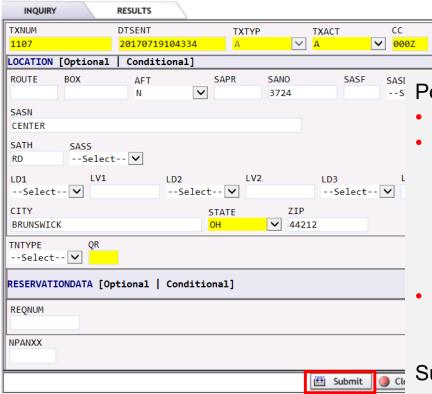


^{*} Not required with Frontier-MasterStream instant quote

Address Validation Inquiry – TXTYP = A



A - Address Validation



Purpose:

Validate end user's address is supported by Frontier (address or working telephone number)

Populate Form

CTVAL

--Select-- ✓

TOS

- CC Customer Code (OCN)
- TXACT = A (Validate with Address)
 - AFT = N (Normal Physical Address)
 - AFT = C (Provided Assigned House Number)
 - Minimum to populate: SANO, SASN, SATH, CITY, STATE, ZIP
- TXACT = T (Validate with WTN)
 - STATE
 - WTN

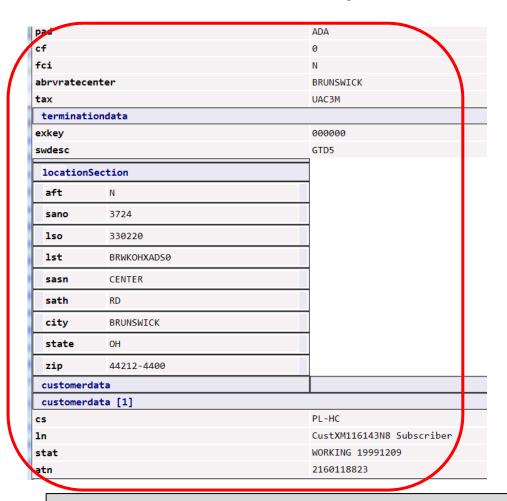
Submit

Pre-Order Job Aids: https://wholesale.frontier.com/resources/local-services/location-and-product-qualification.html

Business Rule Documents Available at: https://wholesale.frontier.com/resources/local-services/business-rules.html

Address Validation Response – TXTYP = A





Information provided on response includes:

- Validated Address (address fields)
- Switch Description (swdesc)
- Fiber Capability Indicator (fci)
- Local Servicing Office (Iso)
- Working Service Customer Data

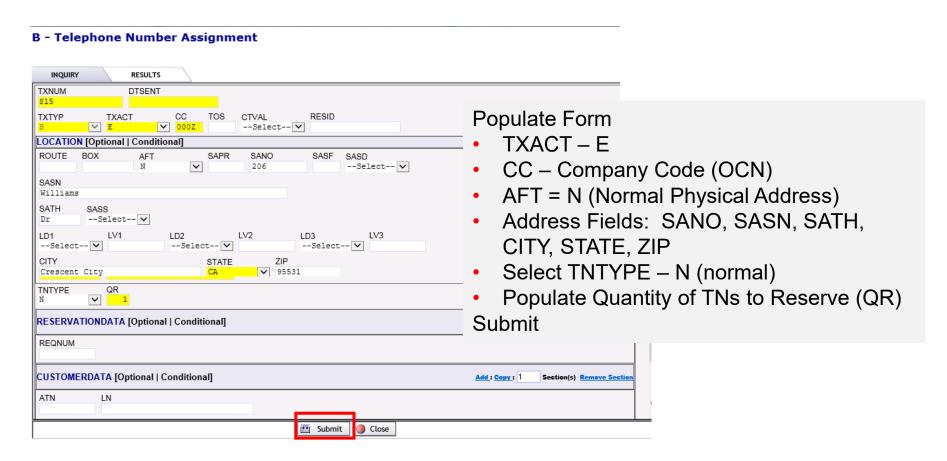
For full response field definitions, refer to the VFO Pre-Order Response - Address Validation (TXTYP A) available online: Wholesale Broadband Pre-Order References (frontier.com)

Telephone Number Assignment – TXTYP = B



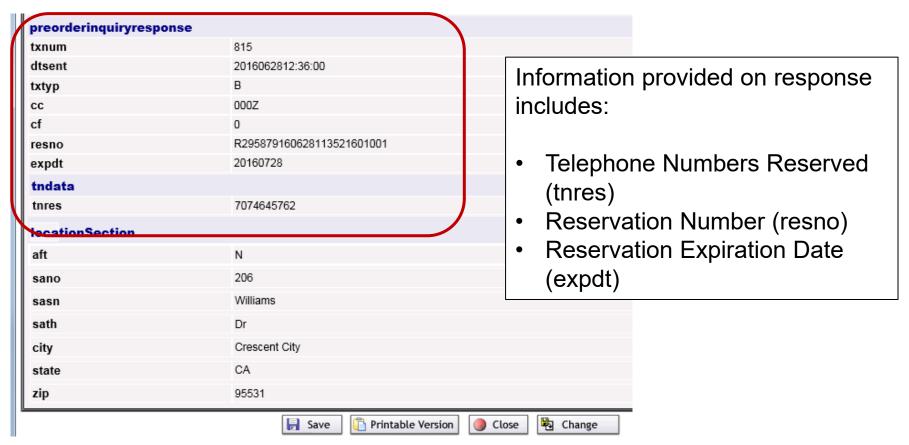
Purpose:

Pre-order TN Reservation is optional when request is to establish Standalone Broadband service.



Telephone Number Response – TXTYP = B





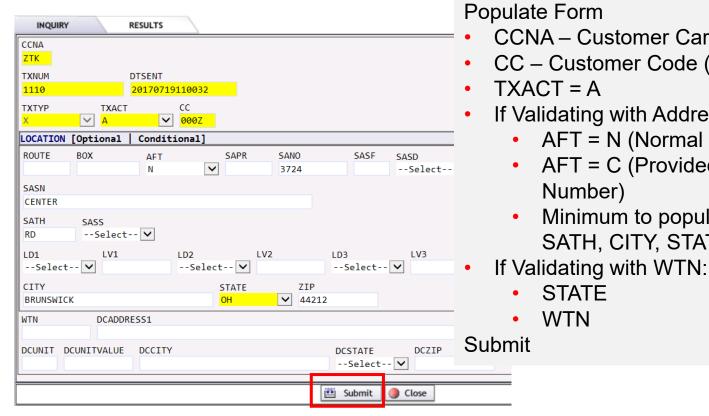
For full response field definitions, refer to the Direct Telephone Number Selection Response document. Wholesale Broadband Pre-Order References (frontier.com)

Loop Qualification DSL for Whls BB Inquiry – TXTYP = X



Purpose: Validate local loop qualifies and maximum speeds available for Broadband services

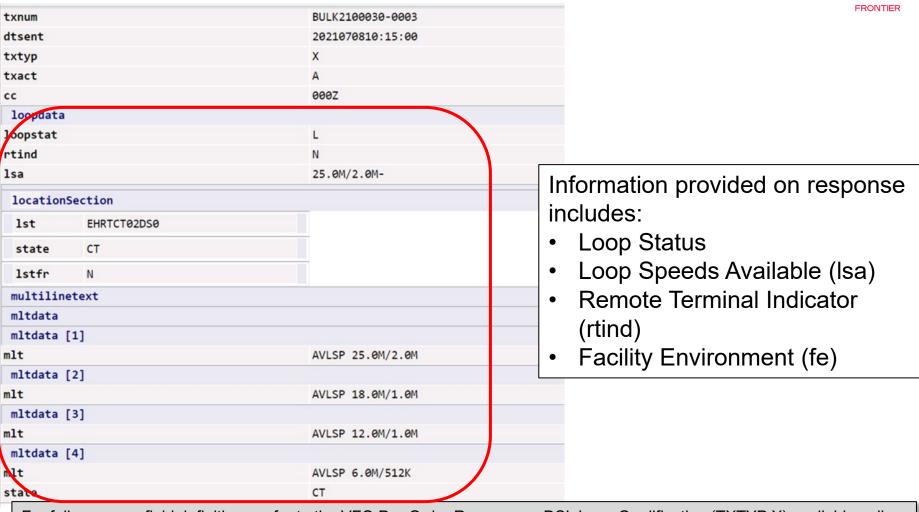
X - Loop Qualification DSL



- CCNA Customer Carrier Name Abbreviation
- CC Customer Code (OCN)
- If Validating with Address:
 - AFT = N (Normal Physical Address)
 - AFT = C (Provided Assigned House
 - Minimum to populate: SANO, SASN, SATH, CITY, STATE, ZIP

Loop Qualification DSL for Whls BB Response – TXTYP = X





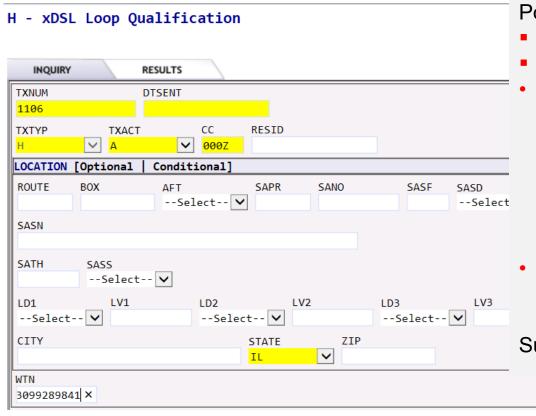
For full response field definitions, refer to the VFO Pre-Order Response – DSL Loop Qualification (TXTYP X) available online: Wholesale Broadband Pre-Order References (frontier.com)

xDSL Loop Qualification Inquiry – TXTYP = H



Purpose:

Validate facilities exist for Loop technology - dependent products



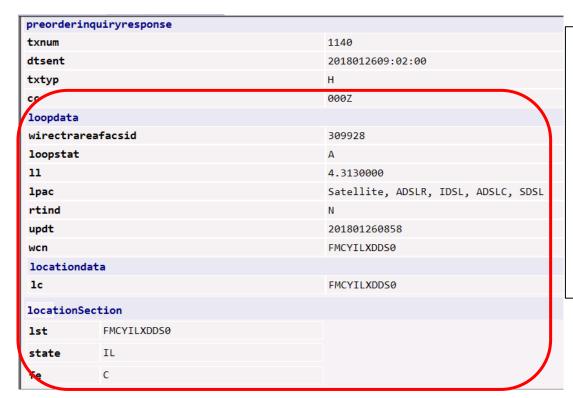
Populate Form

- TXACT = A
- CC Customer Code (OCN)
- If Validating with Address:
 - AFT = N (Normal Physical Address)
 - AFT = C (Provided Assigned House Number)
 - Minimum to populate: SANO, SASN, SATH, CITY, STATE, ZIP
- If Validating with WTN:
 - STATE
 - WTN

Submit

xDSL Loop Qualification Response – TXTYP = H





Information provided on response includes:

- Loop Status (loopstat)
- Loop Length (II)
- Loop Product Available (lpac)
- Remote Terminal Indicator (rtind)
- Facility Environment (fe)

For full response field definitions, refer to the VFO Preorder Response - xDSL Loop Qualification (TXTYP H,K) available online: Wholesale Broadband Pre-Order References (frontier.com)

xDSL Loop Qualification Extended – TXTYP = K



The xDSL Loop Qualification Extended should be requested 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

-or-

The xDSL Loop Qualification DSL for Whls BB (TXTYP=X) response is returned with the following value in the LOOPSTAT (Loop Status) field:

P = Reason not qualified is unknown

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

Pre-Order Online References



Wholesale Broadband Pre-Order Job Aids are available from the Wholesale Advantage Broadband page at: Wholesale Broadband Pre-Order References (frontier.com)

Job Aids

- Wholesale Broadband Ordering Scenario Matrix
- Wholesale Broadband Product Qualification Guide

Response Documents

- VFO Preorder Response Address Validation (TXTYP A)
- VFO Preorder Response DSL Loop Qualification (TXTYP X)
- VFO Preorder Response Telephone Number Reservation (TXTYP-B)
- VFO Preorder Response xDSL Loop Qualification (TXTYP H,K)

Please also visit the Business Rules page for pre-order inquiry forms: <u>LSR Business Rules (frontier.com)</u>

LSR Pre-Order Forms

- Address Validation / Direct TN Selection (TXTYP-A/B)
- Loop Qualification DSL for Whls BB (TXTYP-X)
- xDSL Loop Qualification (TXTYP-H)
- xDSL Loop Qualification Extended (TXTYP-K)



Wholesale Broadband Orders

Wholesale Broadband Ordering References



Once a location is qualified for broadband services and speeds, please refer to the Wholesale Broadband LSR Order references available from the Wholesale Advantage Broadband page: Wholesale Broadband Order References (frontier.com).

Here you will find the Wholesale Broadband Ordering Guide which will assist you with locating and utilizing the online references.

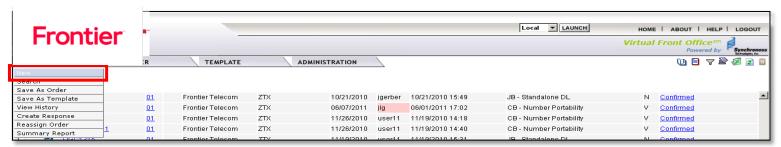
Also available is the Ordering Code Matrix that contains the codes required to place an order for broadband service.

The LSR Validation Sheets will assist you with ensuring your LSR is populated correctly.

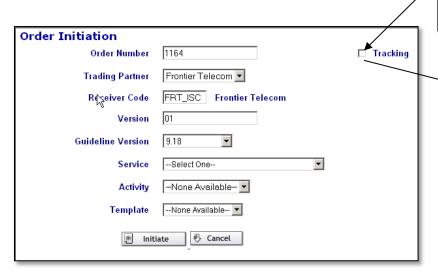
Creating New Orders in VFO



Hover the Order tab and select New



- Enter a new Order Number (PON)
- Select:
 - Trading Partner (Frontier Telecom)
 - Receiver Code (FTRORD)
 - Version (01)
 - Guideline Version (9.30)
 - Service (DB / EB)
 - Activity (N, C, D, V)
 - Template (Optional)
- Click Initiate



NEVER CHECK THIS BOX! Tracking is used when VFO should NOT submit the order to Frontier.

Status ICON Train Tracks

Tracking box has been checked and the order within VFO is only being used for tracking purposes only and not sent to Frontier.

Note: For help completing the order in VFO, please refer to the full LSR Orders Training Course available from the VFO Online Training Video Library.

Wholesale Broadband Order Samples



Wholesale Broadband order samples are available from the Wholesale Advantage Broadband page: Wholesale Broadband Order References (frontier.com)

- Please select the order sample that meets the request type and activity of the order you are submitting. (DB – Wholesale Platform, EB – Resale)
- Order samples provide direction on populating the fields that are required, conditional or optional for each form on the LSR.

Note: Resale (EB) Order Samples are for Activity 'C' Only. Wholesale Broadband can only be added to "Existing" Resale Voice Service.

Wholesale Advantage Broadband Ordering Matrix



		ppper Network - Available 7/1/20 rical Speeds, Frontier Modem Available in All Areas					
SPEED	WHOLESALE ADVANTAGE BROADBAND DESCRIPTION	DYNAMIC IP ORDERING CODE	STATIC IP ORDERING CODE (BUSINESS ONLY)			NG CODE	
3M/384K	Wholesale Advantage Broadband Standalone Internet 3	WH	WHC03			Basic [WMBLS] or Bonded [WMFLS]	Lease
6M/512K	Wholesale Advantage Broadband Standalone Internet 6	WH			Purcha	Basic [WMBLS] or Bonded [WMFLS]	
9M/1M	Wholesale Advantage Broadband Standalone Internet 9	WH	WHC09			Bonded [WMFLS]	
12M/1M	Wholesale Advantage Broadband Standalone Internet 12	WH	WHC12			Bonded [WMFLS]	
18M/1M	Wholesale Advantage Broadband Standalone Internet 18	WH	WHC18			Bonded [WMFLS]	
25M/2M	Wholesale Advantage Broadband Standalone Internet 25	WH	WHC25		se	Bonded [WMFLS]	
45M/3M	Wholesale Advantage Broadband Standalone Internet 45	WH	WHC45			Bonded [WMFLS]	
70M/3M	Wholesale Advantage Broadband Standalone Internet70	WH	WHC70			Bonded [WMFLS]	
90M/5M	Wholesale Advantage Broadband Standalone Internet 90	WH	WHC90]	Bonded [WMFLS]	
115M/7M	Wholesale Advantage Broadband Standalone Internet 115	WH	WHC15]	Bonded [WMFLS]	

Reading the product matrix

- Select the product type Standalone or Shared
- Select the product type (Asymmetrical or Symmetrical)
- Take note of Dynamic IP or Static IP product options
 - Asymmetrical: Default Static IP block is /30 unless a larger IP block is ordered
 - Symmetrical: All Static IP Blocks (1-61) REQUIRE a Static IP Code
- Select the ordering code for the desired speed
 - Use the same code for residential and business types of service
- Select the modem
 - Required on Asymmetrical products
 - Optional on Symmetrical products
 - Leased modem option Included in the WH BB Symmetrical and New Asymmetrical package.
 - Select the term-Include the term S&E code on the LSR
 - Asymmetrical Available Until 8/21/2024: M-t-M, 1-Year, 2-Year
 - Asymmetrical Available 7/1/2024: M-t-M, 1-Year, 2-Year and 3-Year
 - Symmetrical: M-t-M, 1-Year, 2-Year and 3-Year

Asymmetrical Tern	n (Offer) Codes¹					
Available until 8/21/2024						
Description	Ordering Code					
Month-to-Month	#18WM					
1-Year	#18WN					
2-Year	#18WR					
Asymmetrical Tern	n (Offer) Codes¹					
Available 7	/1/2024					
Month-to-Month	#24WM					
1-Year	#24W1					
2-Year	#24W2					
3-Year	#24W3					
Symmetrical Term	(Offer) Codes ¹					
Available11/	13/2023					
Month-to-Month	#22WM					
1-Year	#22W1					
2-Year	#22W2					
3-Year	#22W3					

Note: This instruction is included in the Wholesale Broadband Ordering Guide.

Wholesale Advantage Broadband Ordering Matrix



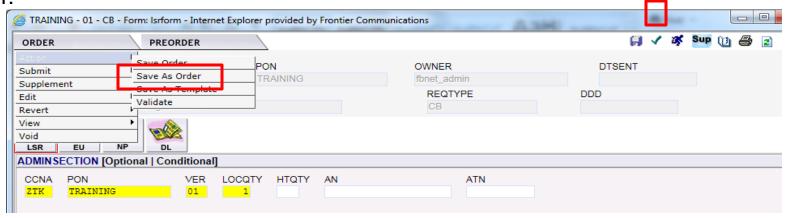


		er Network - Available until 8/21 rical Speeds, Frontier Modem I Available in All Areas	1/2024				
SPEED	WHOLESALE ADVANTAGE BROADBAND DESCRIPTION	DYNAMIC IP ORDERING CODE	STATIC IP ORDERING CODE (BUSINESS ONLY)	MODEM ORDERING CODE (Purhase or Lease)			
3M/384K	Wholesale Advantage Broadband Standalone Internet 3	WBC15	WBC39	Basic [WMDSL] or Bonded [WMBF]		Basic [WMBLS] or Bonded [WMFLS]	
6M/512K	Wholesale Advantage Broadband Standalone Internet 6	WBC16	WBC40	Basic [WMDSL] or Bonded [WMBF]		Basic [WMBLS] or Bonded [WMFLS]	
9M/1M	Wholesale Advantage Broadband Standalone Internet 9	WBC16	WBC41	Bonded [WMBF]	-	Bonded [WMFLS]	
12M/1M	Wholesale Advantage Broadband Standalone Internet 12	WBC17	WBC42	Bonded [WMBF]	Purchase	Bonded [WMFLS]	
18M/1M	Wholesale Advantage Broadband Standalone Internet 18	WBC19	WBC43	Bonded [WMBF]	ha	Bonded [WMFLS]	
25M/2M	Wholesale Advantage Broadband Standalone Internet 25	WBC20	WBC44	Bonded [WMBF]	se	Bonded [WMFLS]	
45M/3M	Wholesale Advantage Broadband Standalone Internet 45	WBC21	WBC45	Bonded [WMBF]	1	Bonded [WMFLS]	
70M/3M	Wholesale Advantage Broadband Standalone Internet70	WBC22	WBC46	Bonded [WMBF]]	Bonded [WMFLS]	
90M/5M	Wholesale Advantage Broadband Standalone Internet 90	WBC23	WBC47	Bonded [WMBF]]	Bonded [WMFLS]	
115M/7M	Wholesale Advantage Broadband Standalone Internet 115	WBC24	WBC48	Bonded [WMBF]		Bonded [WMFLS]	
	Asymmet	rical Speeds, Frontier Modem F Available in All Areas					
SPEED	WHOLESALE ADVANTAGE BROADBAND DESCRIPTION	DYNAMIC AND STATIC IP* ORDERING CODE *Static IP Business Only - Static IP requires a Static IP Block Code (see slide 4).		MODEM ORDERING CODE (Purhase or Lease)			
3M/384K	Wholesale Advantage Broadband Standalone Internet 3	W	HC03	Basic [WMDSL] or Bonded [WMBF]		Basic [WMBLS] or Bonded [WMFLS]	
6M/512K	Wholesale Advantage Broadband Standalone Internet 6	W	HC06	Basic [WMDSL] or Bonded [WMBF]		Basic [WMBLS] or Bonded [WMFLS]	
9M/1M	Wholesale Advantage Broadband Standalone Internet 9		HC09	Bonded [WMBF]		Bonded [WMFLS]	
12M/1M	Wholesale Advantage Broadband Standalone Internet 12		HC12	Bonded [WMBF]	Ę	Bonded [WMFLS]	
18M/1M	Wholesale Advantage Broadband Standalone Internet 18	WH	HC18	Bonded [WMBF]	Purchase	Bonded [WMFLS]	
25M/2M	Wholesale Advantage Broadband Standalone Internet 25	WH	HC25	Bonded [WMBF]	Se	Bonded [WMFLS]	
45M/3M	Wholesale Advantage Broadband Standalone Internet 45	WH	HC45	Bonded [WMBF]		Bonded [WMFLS]	
70M/3M	Wholesale Advantage Broadband Standalone Internet70	WH	HC70	Bonded [WMBF]		Bonded [WMFLS]	
90M/5M	Wholesale Advantage Broadband Standalone Internet 90		HC90	Bonded [WMBF]	1 1		
115M/7M	Wholesale Advantage Broadband Standalone Internet 115	WH	HC15	Bonded [WMBF]		Bonded [WMFLS]	
0M/3M	Wholesale Advantage Broadband Standalone Internet70	Wi Wi Wi	HC70 HC90 HC15	Bonded [WMBF] Bonded [WMBF] Bonded [WMBF]	dal	Bonded [WMFLS] Bonded [WMFLS] Bonded [WMFLS]	
		Symmetrical rical Speeds, Frontier Modem C Frontier FiberOptic areas (whe					
	Available in All	· · · · · · · · · · · · · · · · · · ·	ore liber exists,		_		
	Available in Ali	DYNAMIC AND STA	TIC IP* ORDERING				
	Available in Ali	DYNAMIC AND STA CC *Static IP Business On	TIC IP* ORDERING				
00M/300M	Available in All Wholesale Advantage Broadband FiberOptic Internet 300	DYNAMIC AND STA CC *Static IP Business On Static IP Block Co	TIC IP* ORDERING DDE nly - Static IP requires a	Bonded [WMBF]		Bonded [WMFLS]	
00M/300M	Wholesale Advantage Broadband FiberOptic Internet 300	DYNAMIC AND STA CC "Static IP Business On Static IP Block Cc	TIC IP* ORDERING DDE bly - Static iP requires a dde (see slide 4).				
00M/500M	Wholesale Advantage Broadband FiberOptic Internet 300 Wholesale Advantage Broadband Fiber Optic Internet 500	DYNAMIC AND STA CC "Static IP Business On Static IP Block Cc W:	TIC IF* ORDERING DDE Ny - Static IP requires a dde (see slide 4). Si30 Si50	Bonded [WMBF]	Pui	Bonded [WMFLS]	
	Wholesale Advantage Broadband FiberOptic Internet 300	DYNAMIC AND STA CC "Static IP Business On Static IP Block Cc W:	TIC IP* ORDERING DDE bly - Static iP requires a dde (see slide 4).		Purch		
00M/500M 00M/700M	Wholesale Advantage Broadband FiberOptic Internet 300 Wholesale Advantage Broadband Fiber Optic Internet 500	DYNAMIC AND STA CC *Static IP Business On Static IP Block Cc W:	TIC IF* ORDERING DDE Ny - Static IP requires a dde (see slide 4). Si30 Si50	Bonded [WMBF]	Purchase	Bonded [WMFLS]	
00M/500M	Wholesale Advantage Broadband FiberOptic Internet 300 Wholesale Advantage Broadband Fiber Optic Internet 500 Wholesale Advantage Broadband FiberOptic Internet 700	DYNAMIC AND STA CC *Static IP Business On Static IP Block Gc W:	TIC IF* ORDERING DDF Dly - Static IP requires a dde (see slide 4). SI30 SI50 SI70	Bonded [WMBF] Bonded [WMBF]	Purchase	Bonded [WMFLS] Bonded [WMFLS]	

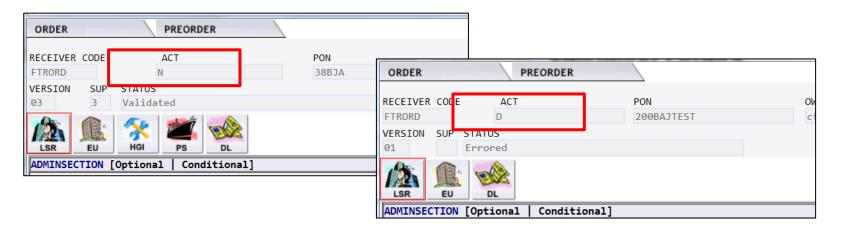
Validating Orders in VFO – VFO Status Updates



 Click either the Validate icon or Validate menu option to verify the accuracy of the order.



The status of the order will either be Validated or Errored.



Wholesale Broadband Order Validation Job Aids



Wholesale Broadband Order Validation Job Aids are available from the Wholesale Advantage Broadband page: Wholesale Broadband Order References (frontier.com).

- If you have errors as a result of your validation of the order, please refer to the associated validation job aid.
 - Locate the job aid specific to the service territory of the location on your order.
 - Further assistance is available upon email request to: <u>Local.Broadband@ftr.com</u> More contact information is available on the <u>Broadband Services Contacts (frontier.com)</u> page of the Frontier Wholesale Operations Website.

Correcting Order Errors in VFO



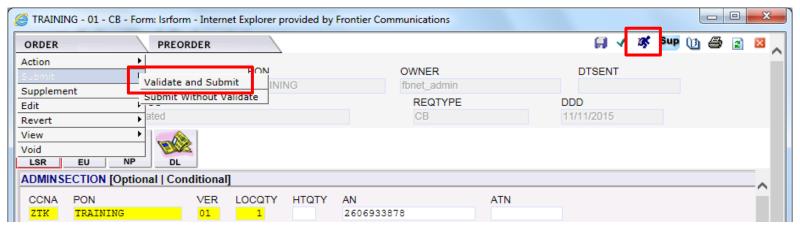
- If there are errors:
 - The Error Code List is displayed with the Form, Occurrence, Section/Field, Error Code and Error Text.
 - Click the Error Text link to move cursor to the form and field in error.
 - The field is highlighted in red until the field is corrected and the order is validated again.



Submitting Orders in VFO



 Click either the submit icon or Validate and Submit menu option to transmit the order to the Service Provider.



The status changes to reflect the results of the submission.



Viewing Order Confirmation in VFO



LSR Response - Confirmed
CCNA PON VER PODATE
ZTK HCTD07CBVEA0126 01 01/26/2012
AN ATN
3046245642 3046245642
LSRNO ORD
HCTD07CBVEA0126 029969034
CNO INIT
FTR LSR CERT
DTSENT REP
20120126 Local Service Re
REPTELNO FEP RT ECI
8005551212 B 🔽 🖰
NMR
NWR
PIA CHC FDT DD EBD
Select
301/27/2012
BI1 BAN1 BI2 BAN2
D NSelect
FOVER POOR
ECVER RCODESelect V
202000
LINELEVELORDNO [Optional Conditional]
ORDL
029969034
12

- LSRNO = PON
- ORD = Main Order Number
- DD Confirmed Due Date
- ORDL = Line Order Number

Online References



- Wholesale Broadband (frontier.com)
 - Link to VFO Application (Production)
 - Broadband Pre-Order Job Aids
 - Wholesale Broadband Ordering Matrix
 - Broadband Order Samples
 - Broadband Order Validation Job Aids
- Frontier-Connectbase
- Frontier-MasterStream
- LSR Business Rules (frontier.com)
- Broadband Services Contacts (frontier.com)
- Subscribe to Frontier Wholesale Industry and System Update Notices: https://wholesale.frontier.com/resources/notifications-news/wholesale-notifications-subscription-request-form.html