

# 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: <a href="wholesale\_inquiry@ftr.com">wholesale\_inquiry@ftr.com</a>.

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**

Frontier-MasterStream Portal Qualifying Locations in VFO Online References

#### Frontier-MasterStream Portal



The Frontier-MasterStream portal provides Wholesale Customers with the ability to request <u>instant quotes</u> for Wholesale Advantage Broadband services. Utilizing the Frontier-MasterStream portal will also provide some measure of qualification for the end user location.

To request quotes for services where instant quotes are not available via the Frontier-MasterStream portal, customers should contact their Account Manager.

- For more information, please visit the <u>Frontier-MasterStream</u> page of the Frontier Wholesale Operations Website.
  - Agent Company Registration Form
  - URL to Production Application (Google Chrome Browser Required)
  - Frontier-MasterStream User Guide
  - Online Training

Note: With instant quotes from the Frontier-MasterStream portal, some pre-order transactions in VFO may still be required, including the Address Validation Inquiry (TXTYP = A) and the Telephone Number Assignment (TXTYP = B).

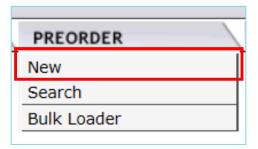
#### Creating a Pre-Order in VFO

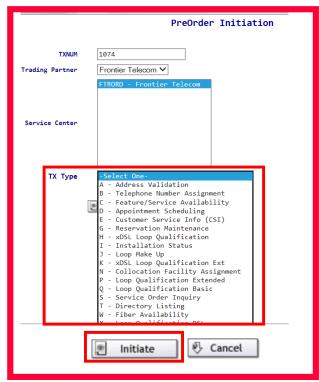


- Hover mouse over PREORDER tab in VFO Local Module
- Select menu option PREORDER > New
- TXNUM auto-populates
- Select Service Center
- Select TX Type
- Click Initiate

#### 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\*



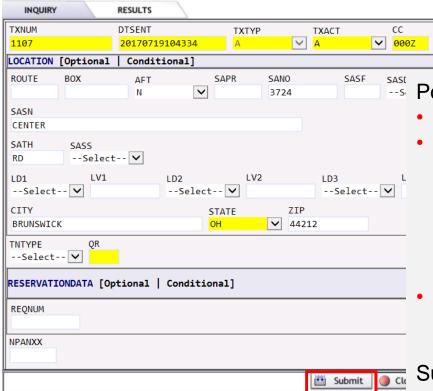


<sup>\*</sup> Not required with Frontier-MasterStream instant quote

## 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

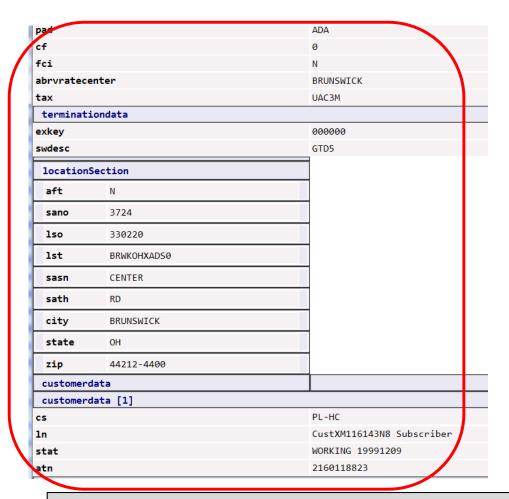
**Submit** 

Pre-Order Job Aids: <a href="https://wholesale.frontier.com/local-services/location-product-qualification">https://wholesale.frontier.com/local-services/location-product-qualification</a>

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

# 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)

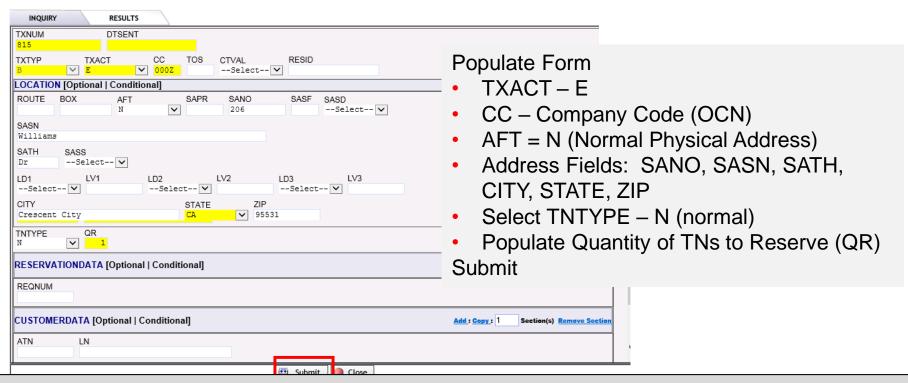
# Telephone Number Assignment – TXTYP = B



#### **Purpose:**

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

#### B - Telephone Number Assignment

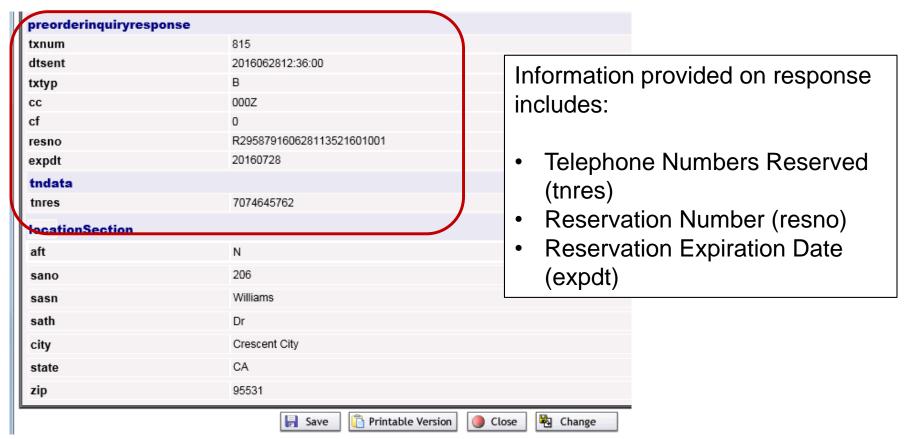


Pre-Order Job Aids: <a href="https://wholesale.frontier.com/local-services/location-product-qualification">https://wholesale.frontier.com/local-services/location-product-qualification</a>

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

# Telephone Number Response – TXTYP = B





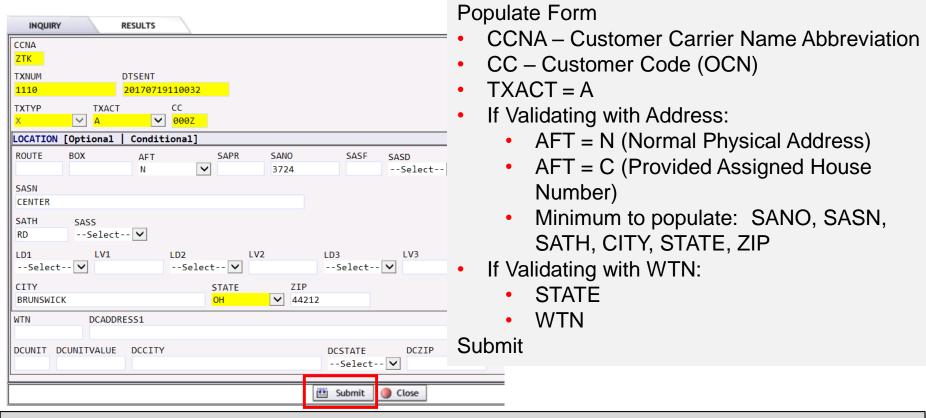
For full response field definitions, refer to the Direct Telephone Number Selection Response document. Wholesale Broadband Pre-Order References (frontier.com)

#### 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

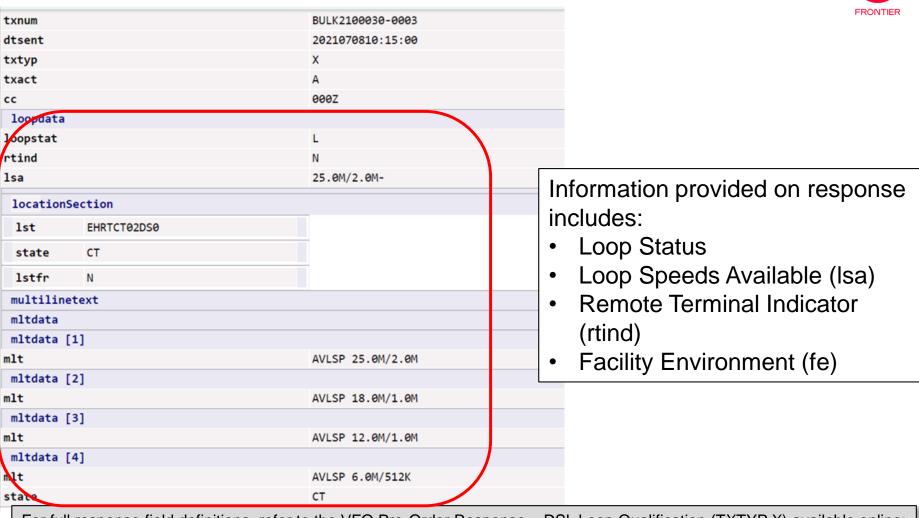


Pre-Order Job Aids: https://wholesale.frontier.com/local-services/location-product-qualification

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

#### Loop Qualification DSL for Whls BB Response - TXTYP = X





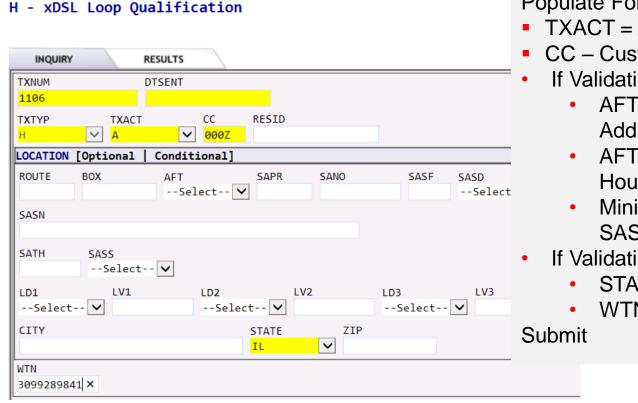
For full response field definitions, refer to the VFO Pre-Order Response – DSL Loop Qualification (TXTYP X) available online: Wholesale Broadband Pre-Order References (frontier.com)

# 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

Pre-Order Job Aids: <a href="https://wholesale.frontier.com/local-services/location-product-qualification">https://wholesale.frontier.com/local-services/location-product-qualification</a>

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

## 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: LSR Business Rules (frontier.com)

#### 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.

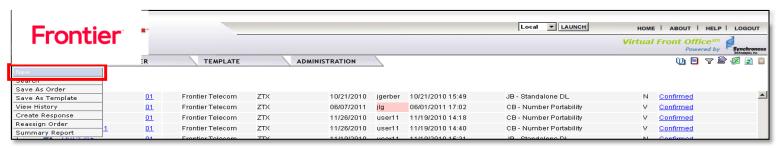
# Creating New Orders in VFO



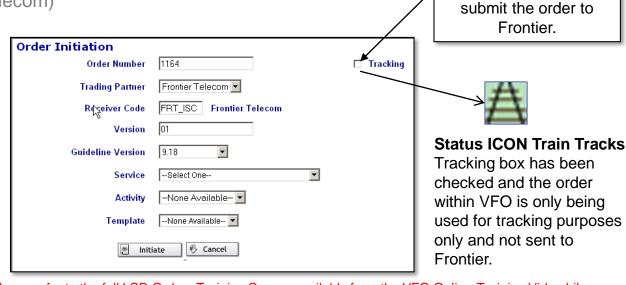
**NEVER CHECK THIS** 

**BOX!** Tracking is used when VFO should **NOT** 

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



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



Frontier Wholesale Advantage Broadband Package Ordering Codes (Standalone)							
SPEED	WHOLESALE ADVANTAGE BROADBAND DESCRIPTION	DYNAMIC IP ORDERING CODE	STATIC IP ORDERING CODE (BUSINESS ONLY)	MODEM ORDERING CODE (Purhase or Lease)			
	C	Copper Network					
	Asymmetrical Spe	eds, Frontier Modem	Required <sup>2</sup>				
	Ava	ilable in All Areas					
		1415045		Basic [WMDSL]		Basic [WMBLS]	
3M/384K	Wholesale Advantage Broadband Standalone Internet 3	WBC15	WBC39	or Bonded		or Bonded	4 1
6M/512K	Wholesale Advantage Broadband Standalone Internet 6	WBC16	WBC40	Basic [WMDSL] or Bonded		Basic [WMBLS] or Bonded	
9M/1M	Wholesale Advantage Broadband Standalone Internet 9	WBC17	WBC41	Bonded [WMBF]	۱.,	Bonded [WMFLS]	1
12M/1M	Wholesale Advantage Broadband Standalone Internet 12	WBC18	WBC42	Bonded [WMBF]	ĬĔ	Bonded [WMFLS]	╛╒
18M/1M	Wholesale Advantage Broadband Standalone Internet 18	WBC19	WBC43	Bonded [WMBF]	urcha	Bonded [WMFLS]	Leas
25M/2M	Wholesale Advantage Broadband Standalone Internet 25	WBC20	WBC44	Bonded [WMBF]	ase	Bonded [WMFLS]	T (0)
45M/3M	Wholesale Advantage Broadband Standalone Internet 45	WBC21	WBC45	Bonded [WMBF]		Bonded [WMFLS]	1
70M/3M	Wholesale Advantage Broadband Standalone Internet70	WBC22	WBC46	Bonded [WMBF]	1	Bonded [WMFLS]	
90M/5M	Wholesale Advantage Broadband Standalone Internet 90	WBC23	WBC47	Bonded [WMBF]	1	Bonded [WMFLS]	
115M/7M	Wholesale Advantage Broadband Standalone Internet 115	WBC24	WBC48	Bonded [WMBF]	1	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 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 package
  - Select the term-Include the term S&E code on the LSR
  - Asymmetrical: M-t-M, 1-Year, 2-Year options
  - Symmetrical: M-t-M

Asymmetrical Term (Offer) Codes <sup>1</sup>			
Term (Offer) Codes <sup>1</sup>			
Description	Ordering Code		
Month-to-Month	#18WM		
1-Year	#18WN		
2-Year	#18WR		
Symmetrical Term (Offer) Codes <sup>1</sup>			
Available 9/30/2022			
Description	Ordering Code		
Month-to-Month	#22WM		

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

## Wholesale Advantage Broadband Ordering Matrix



#### **Symmetrical Fiber Speeds & Static IPs**

The Symmetrical Fiber Speed Codes are the same for Dynamic and Static IP options. Therefore, to add

Static IPs, the appropriate Static IPS & E Code Must be Entered on the LSR. Failure to include the code will result in provisioning of Dynamic Service.

Frontier Wholesale Advantage Broadband Package Ordering Codes (Standalone)							
SPEED	WHOLESALE ADVANTAGE BROADBAND DESCRIPTION	DYNAMIC IP ORDERING CODE	STATIC IP ORDERING CODE (BUSINESS ONLY)	MODEM ORDERING CODE (Purhase or Lease)			
	Co	pper Network					
	Asymmetrical Speeds, Frontier Modem Required <sup>2</sup>						
	Availa	able in All Areas					
3M/384K	Wholesale Advantage Broadband Standalone Internet 3	WBC15	WBC39	Basic [WMDSL] or Bonded		Basic [WMBLS] or Bonded	
6M/512K	Wholesale Advantage Broadband Standalone Internet 6	WBC16	WBC40	Basic [WMDSL] or Bonded		Basic [WMBLS] or Bonded	
9M/1M	Wholesale Advantage Broadband Standalone Internet 9	WBC17	WBC41	Bonded [WMBF]	ъ	Bonded [WMFLS]	
12M/1M	Wholesale Advantage Broadband Standalone Internet 12	WBC18	WBC42	Bonded [WMBF]	Purchase	Bonded [WMFLS]	Lease
18M/1M	Wholesale Advantage Broadband Standalone Internet 18	WBC19	WBC43	Bonded [WMBF]	ha	Bonded [WMFLS]	ase
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]		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]	
		iymmetrical					
		ds, Frontier Modem (					
	Available in All Frontier F	iberOptic areas (wh	ere fiber exists)				
		DYNAMIC IP ORDERING CODE	STATIC IP ORDERING CODE REQUIRED (BUINESS ONLY)				
300M/300M	Wholesale Advantage Broadband FiberOptic Internet 300	WSI30	WSI30	Bonded [WMBF]		Bonded [WMFLS]	
500M/500M	Wholesale Advantage Broadband Fiber Optic Internet 500	WSI50	WSI50	Bonded [WMBF]	Purchas	Bonded [WMFLS]	Le.
700M/700M	Wholesale Advantage Broadband FiberOptic Internet 700	WSI70	WSI70	Bonded [WMBF]	has	Bonded [WMFLS]	Lease

WSI1G

WSI1G

Bonded [WMBF]

Bonded [WMFLS]

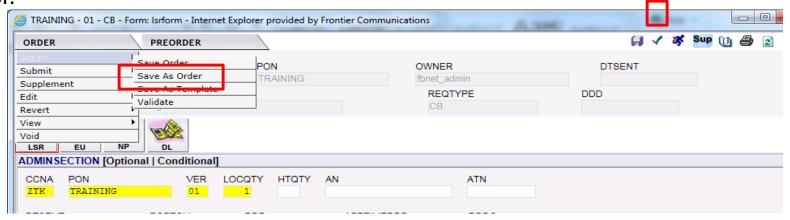
Wholesale Advantage Broadband FiberOptic Internet 1G

1G/1G

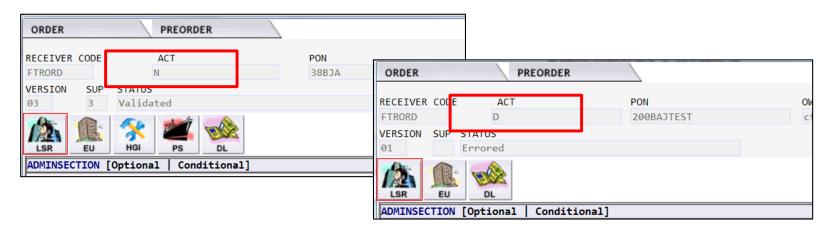
## Validating Orders in VFO – VFO Status Updates



 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



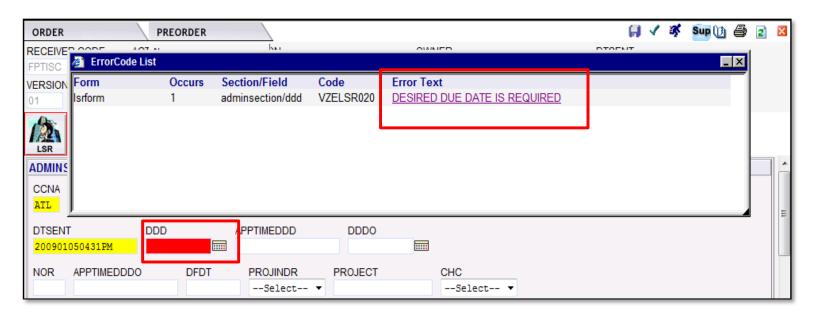
Wholesale Broadband Order Validation Job Aids are available from the Wholesale Advantage Broadband page: Wholesale Broadband Order References (frontier.com).

- 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



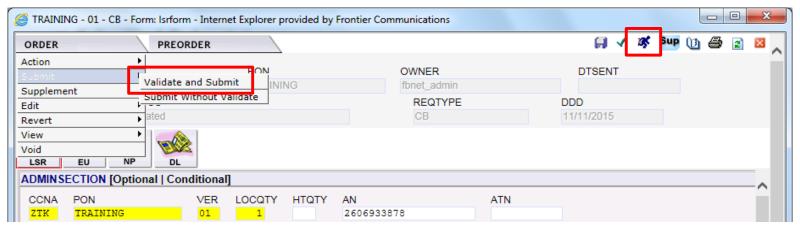
- If there are errors:
  - The Error Code List is displayed with the Form, Occurrence, Section/Field, Error Code and Error Text.
  - Click the Error Text link to move cursor to the form and field in error.
  - The field is highlighted in red until the field is corrected and the order is validated again.



## 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 ZTK HCTD07CBVE	VER PODATE
AN 3046245642	ATN 3046245642
LSRNO HCTD07CBVEA0126	ORD 029969034
CNO IN	IT IR LSR CERT
DTSENT 20120126	REP Local Service Re
REPTELNO FEP 8005551212 B	RT ECI
	HC FDT DD EBD 01/27/2012
BI1 B	AN1 BI2 BAN2 Select
ECVER RCODE Select-	
ORDL 029969034	Optional   Conditional]

- 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-MasterStream
- LSR Business Rules (frontier.com)
- Broadband Services Contacts (frontier.com)
- Subscribe to Frontier Wholesale Industry and System Update Notices: <u>subscribe-to-wholesale-notifications (frontier.com)</u>