



# **Version 9.30.27**

## **xDSL Loop Qualification for Wholesale Broadband (LQD)**

### **PRE-ORDER INQUIRY**

DISCLAIMER: THIS DOCUMENTATION IS FOR INFORMATIONAL PURPOSES ONLY AND DOES NOT OBLIGATE FRONTIER TO PROVIDE SERVICES IN THE MANNER DESCRIBED IN THIS DOCUMENT. FRONTIER RESERVES THE RIGHT AS ITS SOLE OPTION TO MODIFY OR REVISE THE INFORMATION IN THIS DOCUMENT AT ANY TIME WITHOUT PRIOR NOTICE. IN NO EVENT SHALL FRONTIER OR ITS AGENTS, EMPLOYEES, DIRECTORS, OFFICERS, REPRESENTATIVES OR SUPPLIERS BE LIABLE UNDER CONTRACT, WARRANTY, TORT (INCLUDING BUT NOT LIMITED TO NEGLIGENCE OF FRONTIER), OR ANY OTHER LEGAL THEORY, FOR ANY DAMAGES ARISING FROM OR RELATING TO THIS DOCUMENT OR ITS CONTENTS, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

© 2023 Frontier Communications Parent, Inc. All rights reserved.



**Contents**

|                                                        |    |
|--------------------------------------------------------|----|
| CCNA – Customer Carrier Name Abbreviation .....        | 3  |
| TXNUM – Transaction Number .....                       | 3  |
| D/TSENT – Date/Time Sent .....                         | 3  |
| TXACT – Transaction Activity .....                     | 3  |
| CC – Company Code .....                                | 4  |
| ROUTE - Route .....                                    | 4  |
| BOX - Box Number .....                                 | 4  |
| AFT - Address Format Type .....                        | 5  |
| SAPR – Service Address Number Prefix .....             | 5  |
| SANO – Service Address Number .....                    | 5  |
| SASF - Service Address Number Suffix .....             | 6  |
| SASD - Service Address Street Directional Prefix ..... | 6  |
| SASN - Service Address Street Name .....               | 6  |
| SATH - Service Address Street Type .....               | 7  |
| SASS - Service Address Street Directional Suffix ..... | 7  |
| LD1 - Service Address Location Designator 1 .....      | 7  |
| LV1 - Service Address Location Value 1 .....           | 7  |
| LD2 - Service Address Location Designator 2 .....      | 8  |
| LV2 - Service Address Location Value 2 .....           | 8  |
| LD3 - Service Address Location Designator 3 .....      | 8  |
| LV3 - Service Address Location Value 3 .....           | 9  |
| CITY - City .....                                      | 9  |
| STATE - State .....                                    | 9  |
| ZIP - Zip/Postal Code .....                            | 10 |
| WTN – Working Telephone Number .....                   | 10 |
| DCADDRESS1 - Delivery Contact Address .....            | 10 |
| DCUNIT – Delivery Contact Unit Type .....              | 10 |
| DCUNITVALUE – Delivery Contact Unit Value .....        | 11 |
| DCCITY – Delivery Contact City .....                   | 11 |
| DCSTATE – Delivery Contact State .....                 | 11 |
| DCZIP – Delivery Contact Zip/Postal Code .....         | 11 |
| APPENDIX A: ERROR MESSAGE TABLE .....                  | 12 |
| APPENDIX B - CHANGE CONTROL LOG .....                  | 15 |



| Fld Nbr | Field Name                                | Definition                                                                                                  | Data Char | Field Length | Valid Values Range of Values                                                                                                                                                              | Conditional Business Rules/Edits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | R/O/P |
|---------|-------------------------------------------|-------------------------------------------------------------------------------------------------------------|-----------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| 001     | CCNA – Customer Carrier Name Abbreviation | Identifies the COMMON LANGUAGE IAC CODE for the customer submitting the inquiry and receiving the response. | A         | 3-3          |                                                                                                                                                                                           | 1. If not populated, then return error: FTRLQD001 CCNA IS REQUIRED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | R     |
| 002     | TXNUM – Transaction Number                | Identifies the customer provided tracking number to link the inquiry with the response.                     | AN        | 1-16         |                                                                                                                                                                                           | 1. If not populated, then return error: FTRLQD002 TXNUM IS REQUIRED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | R     |
| 003     | D/TSENT – Date/Time Sent                  | Identifies the date and time the transaction is sent.                                                       | N         | 14-14        | Two Digit Century (00-99)<br>Two Digit Year (00-99)<br>Two Digit Month (01-12)<br>Two Digit Day (01-31)<br>Two Digit hour (00-23)<br>Two Digit Minute (00-59)<br>Two Digit Second (00-59) | 1. If not populated, then return error: FTRLQD003 DATE/TIME SENT IS REQUIRED<br><br>2. If populated and ((dl does not equal 14) or (dc does not equal numeric)), then return error: FTRLQD004 DATE/TIME SENT MUST BE 14 NUMERIC CHARACTERS<br><br>3. If populated and positions 5, 6 does not equal 01-12, then return error: FTRLQD005 DATE/TIME SENT MONTH MUST BE 01-12<br><br>4. If populated and positions 7, 8 does not equal 01-31, then return error: FTRLQD006 DATE/TIME SENT DAY MUST BE 01 – 31<br><br>5. If populated and positions 9,10 does not equal 00-23, then return error: FTRLQD007 DATE/TIME SENT HOUR MUST BE 00-23<br><br>6. If populated and positions 11, 12 does not equal 00-59, then return error: FTRLQD008 DATE/TIME SENT MINUTES MUST BE 00-59<br><br>7. If populated and positions 13, 14 does not equal 00-59, then return error: FTRLQD009 DATE/TIME SENT SECONDS MUST BE 00-59 | R     |
| 005     | TXACT – Transaction Activity              | Identifies the transaction activity.                                                                        | A         | 1-1          | A=New Inquiry<br>P=Delivery Validation Only                                                                                                                                               | 1. If not populated, then return error: FTRLQD012 TXACT IS REQUIRED<br><br>2. If populated and vv does not equal A, P, then return error: FTRLQD013 TXACT VALID VALUE = A, P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | R     |



| Fld Nbr | Field Name        | Definition                                                  | Data Char              | Field Length | Valid Values Range of Values | Conditional Business Rules/Edits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | R/O/P |
|---------|-------------------|-------------------------------------------------------------|------------------------|--------------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| 007     | CC – Company Code | Identifies the exchange carrier initiating the transaction. | AN                     | 1-4          |                              | <p>1. If not populated, then return error: FTRLQD014 CC IS REQUIRED</p> <p>2. If populated and dl does not equal 4, then return error: FTRLQD015 CC MAY NOT EXCEED 4 CHARACTERS</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | R     |
| 010b    | ROUTE - Route     | Identifies the route number of the service address.         | AN & ' * - # ( ) space | 1-6          |                              | <p>1. If populated and BOX is not populated, then return error: FTRLQD016 ROUTE IS PROHIBITED</p> <p>2. If not populated and BOX is populated, then return error: FTRLQD017 ROUTE IS REQUIRED</p> <p>3. If populated and dl &gt; 6, then return error: FTRLQD018 ROUTE MAY NOT EXCEED 6 CHARACTERS</p> <p>4. If populated and special character does not equal Ampersand, Apostrophe, Asterisk, Hyphen, Number Sign, Parentheses, Space, then return error: FTRLQD019 SPECIAL CHARACTER NOT VALID FOR ROUTE</p> <p>5. If populated and WTN is populated, then return error: FTRLQD020 ROUTE IS PROHIBITED WHEN WTN IS POPULATED</p> <p>6. If populated and TXACT = P, then return error: FTRLQD021 ROUTE IS PROHIBITED WHEN TXACT = P</p> | O     |
| 010c    | BOX - Box Number  | Identifies the box number of the service address.           | AN & ' * - # ( ) Space | 1-9          |                              | <p>1. If populated and ROUTE is not populated, then return error: FTRLQD022 BOX IS PROHIBITED WITHOUT ROUTE</p> <p>2. If populated and dl &gt; 9, then return error: FTRLQD023 BOX MAY NOT EXCEED 9 CHARACTERS</p> <p>3. If populated and special character not = Ampersand, Apostrophe, Asterisk, Hyphen, Space, Number Sign, Parentheses, then return error: FTRLQD024 NOT A VALID SPECIAL CHARACTER FOR BOX</p> <p>4. If not populated and ROUTE is populated, then return error: FTRLQD025 BOX IS REQUIRED WHEN ROUTE IS POPULATED</p> <p>5. If populated and TXACT = P, then return error: FTRLQD026 BOX IS PROHIBITED WHEN TXACT = P</p>                                                                                            | O     |



| Fld Nbr | Field Name                           | Definition                                                          | Data Char | Field Length | Valid Values Range of Values                                                                                              | Conditional Business Rules/Edits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | R/O/P |
|---------|--------------------------------------|---------------------------------------------------------------------|-----------|--------------|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| 015     | AFT - Address Format Type            | Identifies the format of the address being supplied.                | A         | 1-1          | B=Unnumbered<br><br>C=Provider assigned house number<br><br>D=Descriptive<br><br>N=Normal physical service address number | 1. If not populated and WTN is not populated and TXACT does not equal P, then return error: FTRLQD027 AFT IS REQUIRED<br><br>2. If populated and vv = B, D and SASN is not populated, then return error: FTRLQD028 SASN IS REQUIRED WHEN AFT IS B, D<br><br>3. If populated and vv = B, D and SANO is populated, then return error: FTRLQD029 SANO IS PROHIBITED WHEN AFT IS B, D<br><br>4. If populated and vv = C, N and SANO is not populated, then return error: FTRLQD030 SANO IS REQUIRED WHEN AFT IS C, N<br><br>5. If populated and vv does not equal B, C, D, N, then return error: FTRLQD031 AFT VALID VALUE = B, C, D, N<br><br>6. If populated and WTN is populated, then return error: FTRLQD032 AFT IS PROHIBITED<br><br>7. If populated and TXACT = P, then return error: FTRLQD033 AFT IS PROHIBITED WHEN TXACT = P | O     |
| 016     | SAPR – Service Address Number Prefix | Identifies the prefix for the address number of the service address | AN        | 1-6          |                                                                                                                           | 1.If populated and SASN is not populated, return error FTRLQD114 SAPR PROHIBITED WHEN SASN IS NOT POPULATED.<br><br>2.If populated and dl >6, return error FTRLQD115 SAPR MUST BE 1-6 ALPHA NUMERIC<br><br>Note:<br>Where 25W is the address number prefix for the following address example: 25W 450 1/2 SW Camino Ramon Lane NW, Building 2, Floor 12, Suite 23A                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | O     |
| 017     | SANO – Service Address Number        | Identifies the number of the service address.                       | AN -      | 1-10         |                                                                                                                           | 1. If not populated and AFT = C, N, then return error: FTRLQD034 SANO IS REQUIRED<br><br>2. If populated and AFT = B, D, then return error: FTRLQD035 SANO IS PROHIBITED<br><br>3. If populated and dl > 10, then return error: FTRLQD036 SANO MAY NOT EXCEED 10 CHARACTERS<br><br>4. If populated and special character does not equal Hyphen, then return error: FTRLQD037 NOT A VALID SPECIAL CHARACTER FOR SANO                                                                                                                                                                                                                                                                                                                                                                                                                 | O     |



| Fld Nbr | Field Name                                       | Definition                                                          | Data Char              | Field Length | Valid Values Range of Values                                                                                           | Conditional Business Rules/Edits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | R/O/P |
|---------|--------------------------------------------------|---------------------------------------------------------------------|------------------------|--------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
|         |                                                  |                                                                     |                        |              |                                                                                                                        | <p>5. If populated and SASN and (ROUTE and BOX) are not populated, then return error: FTRLQD038 SANO IS PROHIBITED</p> <p>6. If populated and vv = hyphen not followed by numeric, then return error: FTRLQD039 A HYPHEN MUST BE FOLLOWED BY A NUMERIC FOR SANO</p> <p>7. If populated and TXACT = P, then return error: FTRLQD040 SANO IS PROHIBITED WHEN TXACT = P</p>                                                                                                                                                                                                                                                                                  |       |
| 019     | SASF - Service Address Number Suffix             | Identifies the suffix for the address number of the service address | AN /                   | 1-4          |                                                                                                                        | <p>1. If populated and SANO is not populated, then return error: FTRLQD041 SASF IS PROHIBITED</p> <p>2. If populated and special character does not equal Virgule, then return error: FTRLQD042 NOT A VALID SPECIAL CHARACTER FOR SASF</p> <p>3. If populated and special character = virgule and not preceded and followed by numeric, then return error: FTRLQD043 A VIRGULE MUST BE PRECEDED AND FOLLOWED BY A NUMERIC CHARACTER FOR SASF</p> <p>4. If populated and dl &gt; 4, then return error: FTRLQD044 SASF MAY NOT EXCEED 4 CHARACTERS</p> <p>5. If populated and TXACT = P, then return error: FTRLQD045 SASF IS PROHIBITED WHEN TXACT = P</p> | O     |
| 020     | SASD - Service Address Street Directional Prefix | Identifies the street directional prefix for the service address.   | A                      | 1-2          | E = East<br>W = West<br>N = North<br>S = South<br>NE = Northeast<br>NW = Northwest<br>SE = Southeast<br>SW = Southwest | <p>1. If populated and SASN is not populated, then return error: FTRLQD046 SASD IS PROHIBITED</p> <p>2. If populated and vv not = E, W, N, S, NE, NW, SE, SW, then return error: FTRLQD047 SASD VALID VALUE = E, W, N, S, NE, NW, SE, SW</p> <p>3. If populated and TXACT = P, then return error: FTRLQD048 SASD IS PROHIBITED WHEN TXACT = P</p>                                                                                                                                                                                                                                                                                                         | O     |
| 021     | SASN - Service Address Street Name               | Identifies the street name of the service address                   | AN & ' * - # ( ) Space | 1-50         |                                                                                                                        | <p>1. If not populated and AFT = B, C, D, N, then return error: FTRLQD049 SASN IS REQUIRED WHEN AFT EQUALS B, C, D, N</p> <p>2. If not populated and WTN and ROUTE and BOX are not populated and TXACT does not equal P, then return error: FTRLQD050 SASN IS REQUIRED</p>                                                                                                                                                                                                                                                                                                                                                                                | O     |



| Fld Nbr | Field Name                                       | Definition                                                                         | Data Char       | Field Length | Valid Values Range of Values                                                                                                                              | Conditional Business Rules/Edits                                                                                                                                                                                                                                                                                                                                                                                     | R/O/P |
|---------|--------------------------------------------------|------------------------------------------------------------------------------------|-----------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
|         |                                                  |                                                                                    |                 |              |                                                                                                                                                           | <p>3. If populated and dl &gt; 50, then return error: FTRLQD051 SASN MAY NOT EXCEED 50 CHARACTERS</p> <p>4. If populated and special character does not equal Ampersand, Apostrophe, Asterisk, Hyphen, Number Sign, Parentheses, Space, then return error: FTRLQD052 NOT A VALID SPECIAL CHARACTER FOR SASN</p> <p>5. If populated and TXACT = P, then return error: FTRLQD053 SASN IS PROHIBITED WHEN TXACT = P</p> |       |
| 022     | SATH - Service Address Street Type               | Identifies the thoroughfare portion of the street name of the service address.     | AN              | 2-7          | See Separate Table for SATH Values (that are State specific in some cases)                                                                                | <p>1. If populated and SASN is not populated, then return error: FTRLQD054 SATH IS PROHIBITED</p> <p>2. If populated and vv does not equal entry in SATH Table, then return error: FTRLQD055 SATH VALUE IS INVALID</p> <p>3. If populated and TXACT = P, then return error: FTRLQD056 SATH IS PROHIBITED WHEN TXACT = P</p>                                                                                          | O     |
| 023     | SASS - Service Address Street Directional Suffix | Identifies the street directional suffix for the service address                   | A               | 1-2          | <p>E = East</p> <p>W = West</p> <p>N = North</p> <p>S = South</p> <p>NE = Northeast</p> <p>NW = Northwest</p> <p>SE = Southeast</p> <p>SW = Southwest</p> | <p>1. If populated and SASN is not populated, then return error: FTRLQD057 SASS IS PROHIBITED</p> <p>2. If populated and vv not = E, W, N, S, NE, NW, SE, SW, then return error: FTRLQD058 SASS VALID VALUE = E, W, N, S, NE, NW, SE, SW</p> <p>3. If populated and TXACT = P, then return error: FTRLQD059 SASS IS PROHIBITED WHEN TXACT = P</p>                                                                    | O     |
| 024     | LD1 - Service Address Location Designator 1      | Identifies additional specific information related to the address.                 | A               | 4-4          | <p>BLDG - Building</p> <p>PIER - Pier</p> <p>WNG - Wing</p>                                                                                               | <p>1. If populated and SASN is not populated, then return error: FTRLQD060 LD1 IS PROHIBITED</p> <p>2. If populated and vv does not equal BLDG, WNG, PIER, then return error: FTRLQD061 LD1 VALID VALUE = BLDG, WNG, PIER</p> <p>3. If populated and TXACT = P, then return error: FTRLQD062 LD1 IS PROHIBITED WHEN TXACT = P</p>                                                                                    | O     |
| 025     | LV1 - Service Address Location Value 1           | Identifies the value associated with the first location designator of the address. | AN<br>' - space | 1-10         |                                                                                                                                                           | <p>1. If populated and LD1 is not populated, then return error: FTRLQD063 LV1 IS PROHIBITED</p> <p>2. If populated and special character does not equal Apostrophe, Hyphen, Space and LD1 = BLDG, then return error: FTRLQD064 LV1 HAS INVALID SPECIAL CHARACTERS</p>                                                                                                                                                | O     |



| Fld Nbr | Field Name                                  | Definition                                                                          | Data Char  | Field Length | Valid Values Range of Values                                                                                                                                                                                                                                                                           | Conditional Business Rules/Edits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | R/O/P |
|---------|---------------------------------------------|-------------------------------------------------------------------------------------|------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
|         |                                             |                                                                                     |            |              |                                                                                                                                                                                                                                                                                                        | <p>3. If populated and dl &gt; 10, then return error: FTRLQD065 LV1 MAY NOT EXCEED 10 CHARACTERS</p> <p>4. If populated and special character does not equal Hyphen, Space and LD1 = WNG, PIER, then return error: FTRLQD066 LV1 HAS INVALID SPECIAL CHARACTERS</p> <p>5. If not populated and LD1 is populated, then return error: FTRLQD067 LV1 IS REQUIRED</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |
| 026     | LD2 - Service Address Location Designator 2 | Identifies additional specific information related to the address.                  | A          | 2-2          | FL - Floor                                                                                                                                                                                                                                                                                             | <p>1. If populated and SASN is not populated, then return error: FTRLQD068 LD2 IS PROHIBITED</p> <p>2. If populated and vv does not equal FL, then return error: FTRLQD069 LD2 VALID VALUE = FL</p> <p>3. If populated and TXACT = P, then return error: FTRLQD070 LD2 IS PROHIBITED WHEN TXACT = P</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | O     |
| 027     | LV2 - Service Address Location Value 2      | Identifies the value associated with the second location designator of the address. | AN - Space | 1-10         | Main, Attic, Penthouse, Townhouse, Ground, Basement, Upper Level, Lower Level, Mezzanine, Terrace, Bottom, Rear Left, Rear Right, Front Left, Front Right, Middle, Left Rear, Right Rear, Left Front, Right Front, Garden, Garage, Superinten, Store, Walk-In, Lobby, (1-999), LBBY, FRONT, SIDE, STOP | <p>1. If populated and LD2 is not populated, then return error: FTRLQD071 LV2 IS PROHIBITED</p> <p>2. If populated and dl &gt; 10, then return error: FTRLQD072 LV2 MAY NOT EXCEED 10 CHARACTERS</p> <p>3. If not populated and LD2 is populated, then return error: FTRLQD073 LV2 IS REQUIRED</p> <p>4. If populated and vv does not equal Main, Attic, Penthouse, Townhouse, Ground, Basement, UpperLevel, LowerLevel, Mezzanine, Terrace, Bottom, Rear Left, Rear Right, Front Left, FrontRight, Middle, Left Rear, Right Rear, Left Front, RightFront, Garden, Garage, Superinten, Store, Walk-In, Lobby, (1-999), LBBY, FRONT, SIDE, STOP, then return error: FTRLQD074 LV2 VALUE IS INVALID</p> <p>5. If populated and special character does not equal Hyphen, Space, then return error: FTRLQD075 LV2 HAS INVALID SPECIAL CHARACTERS</p> | O     |
| 028     | LD3 - Service Address Location Designator 3 | Identifies additional specific information related to the address.                  | A          | 2-4          | APT, SUIT, RM, LOT, UNIT, SLIP, SPC, BLDG, OFC, FL, DEPT, STE, PH                                                                                                                                                                                                                                      | <p>1. If populated and SASN is not populated, then return error: FTRLQD076 LD3 IS PROHIBITED</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | O     |



| Fld Nbr | Field Name                             | Definition                                                                         | Data Char                       | Field Length | Valid Values Range of Values                                                                       | Conditional Business Rules/Edits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | R/O/P |
|---------|----------------------------------------|------------------------------------------------------------------------------------|---------------------------------|--------------|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
|         |                                        |                                                                                    |                                 |              |                                                                                                    | <p>2. If populated and vv does not equal APT, SUIT, RM, LOT, SLIP, UNIT, SPC, BLDG, OFC, FL, DEPT, STE, PH then return error: FTRLQD077 LD3 VALID VALUE = APT, SUIT, RM, LOT, SLIP, UNIT, SPC, BLDG, OFC, FL, DEPT, STE, PH</p> <p>3. If populated and TXACT = P, then return error: FTRLQD078 LD3 IS PROHIBITED WHEN TXACT = P</p>                                                                                                                                                                                                                                                                                                                           |       |
| 029     | LV3 - Service Address Location Value 3 | Identifies the value associated with the third location designator of the address. | AN<br>-<br>space                | 1-10         |                                                                                                    | <p>1.If populated and LD3 is not populated, then return error: FTRLQD079 LV3 IS PROHIBITED</p> <p>2. If populated and dl &gt; 10, then return error: FTRLQD080 LV3 MAY NOT EXCEED 10 CHARACTERS</p> <p>3. If populated and special character does not equal Hyphen, Space, then return error: FTRLQD081 LV3 HAS INVALID SPECIAL CHARACTERS</p> <p>4. If not populated and LD3 is populated, then return error: FTRLQD082 LV3 IS REQUIRED</p>                                                                                                                                                                                                                  | O     |
| 031     | CITY - City                            | Identifies the city, village or township, etc.                                     | AN<br>& ' * -<br># ( )<br>Space | 1-32         |                                                                                                    | <p>1. If not populated and SASN or (ROUTE and BOX) are populated, then return error: FTRLQD083 CITY IS REQUIRED</p> <p>2. If populated and SASN and ROUTE and BOX are not populated, then return error: FTRLQD084 CITY IS PROHIBITED</p> <p>3. If populated and dl &gt; 32, then return error: FTRLQD085 CITY MAY NOT EXCEED 32 CHARACTERS</p> <p>4. If populated and special character does not equal Ampersand, Apostrophe, Asterisk, Hyphen, Space, Number Sign, Parenthesis, then return error: FTRLQD086 NOT A VALID SPECIAL CHARACTER FOR CITY</p> <p>5. If populated and TXACT = P, then return error: FTRLQD087 CITY IS PROHIBITED WHEN TXACT = P</p> | O     |
| 032     | STATE - State                          | Identifies the abbreviation for the state or province                              | A                               | 2-2          | AL, AZ, CA, CT, FL, GA, IA, IL, IN, MI, MN, MS, NC, NE, NM, NV, NY, OH, PA, SC, TX, TN, UT, WI, WV | <p>1.If populated and vv does not = AL, AZ, CA, CT, FL, GA, IA, IL, IN, MI, MN, MS, NC, NE, NM, NV, NY, OH, PA, SC, TX, TN, UT, WI, WV, return error: FTRLQD088 NOT A VALID STATE FOR FRONTIER</p> <p>2. If not populated, then return error: FTRLQD089 STATE IS REQUIRED</p>                                                                                                                                                                                                                                                                                                                                                                                 | R     |



| Fld Nbr | Field Name                            | Definition                                                                                                                    | Data Char | Field Length | Valid Values Range of Values                                                                                       | Conditional Business Rules/Edits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | R/O/P |
|---------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-----------|--------------|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
|         |                                       |                                                                                                                               |           |              |                                                                                                                    | 3.If populated and vv does not equal capital letters, then return error: FTRLQD090 STATE FIELD MUST BE CAPITAL LETTERS                                                                                                                                                                                                                                                                                                                                                                                                                                |       |
| 033     | ZIP - Zip/Postal Code                 | Identifies the ZIP code, ZIP code + extension or postal code.                                                                 | AN -      | 5-12         |                                                                                                                    | <p>1. If populated and SASN and (ROUTE and BOX) are not populated, then return error: FTRLQD091 ZIP CODE IS PROHIBITED</p> <p>2. If populated and (dl &lt; 5 or &gt; 12), then return error: FTRLQD092 ZIP MAY ONLY BE 5-12 CHARACTERS</p> <p>3. If populated and dc does not equal hyphen, then return error: FTRLQD093 ONLY SPECIAL CHARACTER ALLOWED IN ZIP IS HYPHEN</p> <p>4. If populated and TXACT = P, then return error: FTRLQD094 ZIP IS PROHIBITED WHEN TXACT = P</p>                                                                      | O     |
| 056     | WTN – Working Telephone Number        | Identifies the working telephone number at the end user's location.                                                           | N         | 10-10        |                                                                                                                    | <p>1. If not populated and SASN and ROUTE and BOX are not populated and TXACT does not equal P, then return error: FTRLQD095 WTN REQUIRED IF SASN AND ROUTE AND BOX NOT POPULATED</p> <p>2. If populated and (dl does not equal 10) or (dc does not equal numeric), then return error: FTRLQD096 WTN MAY ONLY BE 10 NUMERICS</p> <p>3.If populated and SASN and (ROUTE and BOX) are populated, then return error: FTRLQD097 WTN IS PROHIBITED</p> <p>4. If populated and TXACT = P, then return error: FTRLQD098 WTN IS PROHIBITED WHEN TXACT = P</p> | O     |
| 132a    | DCADDRESS1 - Delivery Contact Address | Identifies the address number, street name and thoroughfare, including prefixes and suffixes of the delivery contact address. | AN        | 1-63         |                                                                                                                    | <p>1. If populated and (dl &gt; 63), then return error: FTRLQD099 DCADDRESS1 MAY ONLY BE 63 CHARACTERS</p> <p>2. If not populated and TXACT = P, then return error: FTRLQD100 DCADDRESS1 IS REQUIRED WHEN TXACT = P</p>                                                                                                                                                                                                                                                                                                                               | O     |
| 132c    | DCUNIT – Delivery Contact Unit Type   | Identifies additional specific information related to the                                                                     | AN        | 1-4          | APT, BLDG, DEPT, FL, FRNT, HNGR, LOT, PIER, RM, SLIP, SPC, STOP, STE, TRLR, UNIT, BSMT, LBBY, LOWR, OFC, PH, REAR, | 1. If populated and DCADDRESS1 is not populated, then return error: FTRLQD101 DCUNIT IS PROHIBITED WHEN DCADDRESS1 IS NOT POPULATED                                                                                                                                                                                                                                                                                                                                                                                                                   | O     |



| Fld Nbr | Field Name                                | Definition                                                                                              | Data Char | Field Length | Valid Values Range of Values                                                                   | Conditional Business Rules/Edits                                                                                                                                                                                                                                                                                                                                                                                                                                      | R/O/P |
|---------|-------------------------------------------|---------------------------------------------------------------------------------------------------------|-----------|--------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
|         |                                           | delivery contact address.                                                                               |           |              | SIDE, UPPR and # (Undefined)                                                                   | <p>2. If populated and vv not = APT, BLDG, DEPT, FL, FRNT, HNDR, LOT, PIER, RM, SLIP, SPC, STOP, STE, TRLR, UNIT, BSMT, LBBY, LOWR, OFC, PH, REAR, SIDE, UPPR, #, then return error: FTRLQD102 DCUNIT VALUE IS INVALID</p> <p>3. If populated and (dl &gt; 4), then return error: FTRLQD103 DCUNIT MAY ONLY BE 4 CHARACTERS</p>                                                                                                                                       |       |
| 132d    | DCUNITVALUE – Delivery Contact Unit Value | Identifies the value associated with the DCUNIT of the delivery contact address.                        | AN        | 1-10         |                                                                                                | <p>1. If populated and (dl is &gt; 10) return error message: FTRLQD104 DCUNITVALUE MAY ONLY BE 10 CHARACTERS</p> <p>2. If populated and DCUNIT is not populated, then return error: FTRLQD105 DCUNITVALUE IS PROHIBITED WHEN DCUNIT IS NOT POPULATED</p>                                                                                                                                                                                                              | O     |
| 132e    | DCCITY – Delivery Contact City            | Identifies the city, village or township, etc for the delivery contact address.                         | AN        | 1-32         |                                                                                                | <p>1. If populated and dl &gt; 32, then return error: FTRLQD106 DCCITY MAY NOT EXCEED 32 CHARACTERS</p> <p>2. If not populated and DCADDRESS1 is populated and DCZIP is not populated, then return error: FTRLQD107 DCCITY IS REQUIRED</p>                                                                                                                                                                                                                            | O     |
| 132f    | DCSTATE – Delivery Contact State          | Identifies the two letter State abbreviation for the state or province for the delivery contact address | A         | 2-2          | AL, AZ, CA, CT, FL, GA, IA, IL, IN, MI, MN, MS, NC, NE, NM, NV, NY, OH, PA, SC, TN, UT, WI, WV | <p>1. If populated and vv does not equal AL, AZ, CA, CT, FL, GA, IA, IL, IN, MI, MN, MS, NC, NE, NM, NV, NY, OH, PA, SC, TN, UT, WI, WV then return error: FTRLQD108 NOT A VALID DCSTATE FOR FRONTIER</p> <p>2. If populated and vv not = capital letters, then return error: FTRLQD109 DCSTATE FIELD MUST BE CAPITAL LETTERS</p> <p>3. If not populated and DCADDRESS1 is populated and DCZIP is not populated, then return error: FTRLQD110 DCSTATE IS REQUIRED</p> | O     |
| 132g    | DCZIP – Delivery Contact Zip/Postal Code  | Identifies the ZIP code, ZIP code + extension or postal code for the delivery contact address           | AN -      | 5-12         |                                                                                                | <p>1. If populated and (dl &lt; 5 or &gt; 12), then return error: FTRLQD111 DCZIP MAY ONLY BE 5-12 CHARACTERS</p> <p>2. If populated and DCADDRESS1 is not populated, then return error: FTRLQD112 DCZIP IS PROHIBITED</p> <p>3. If populated and dc does not equal hyphen, then return error: FTRLQD113 ONLY SPECIAL CHARACTER ALLOWED IN DCZIP IS HYPHEN</p>                                                                                                        | O     |
|         |                                           |                                                                                                         |           |              |                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |



## APPENDIX A: ERROR MESSAGE TABLE

| Error Message Number | Error Message Text                              |
|----------------------|-------------------------------------------------|
| FTRLQD001            | CCNA IS REQUIRED                                |
| FTRLQD002            | TXNUM IS REQUIRED                               |
| FTRLQD003            | DATE/TIME SENT IS REQUIRED                      |
| FTRLQD004            | DATE/TIME SENT MUST BE 14 NUMERIC CHARACTERS    |
| FTRLQD005            | DATE/TIME SENT MONTH MUST BE 01-12              |
| FTRLQD006            | DATE/TIME SENT DAY MUST BE 01 – 31              |
| FTRLQD007            | DATE/TIME SENT HOUR MUST BE 00-23               |
| FTRLQD008            | DATE/TIME SENT MINUTES MUST BE 00-59            |
| FTRLQD009            | DATE/TIME SENT SECONDS MUST BE 00-59            |
| FTRLQD010            | TXTYP IS REQUIRED                               |
| FTRLQD011            | TXTYP VALID VALUE = X                           |
| FTRLQD012            | TXACT IS REQUIRED                               |
| FTRLQD013            | TXACT VALID VALUE = A, P                        |
| FTRLQD014            | CC IS REQUIRED                                  |
| FTRLQD015            | CC MAY NOT EXCEED 4 CHARACTERS                  |
| FTRLQD016            | ROUTE IS PROHIBITED                             |
| FTRLQD017            | ROUTE IS REQUIRED                               |
| FTRLQD018            | ROUTE MAY NOT EXCEED 6 CHARACTERS               |
| FTRLQD019            | SPECIAL CHARACTER NOT VALID FOR ROUTE           |
| FTRLQD020            | ROUTE IS PROHIBITED WHEN WTN IS POPULATED       |
| FTRLQD021            | ROUTE IS PROHIBITED WHEN TXACT = P              |
| FTRLQD022            | BOX IS PROHIBITED WITHOUT ROUTE                 |
| FTRLQD023            | BOX MAY NOT EXCEED 9 CHARACTERS                 |
| FTRLQD024            | NOT A VALID SPECIAL CHARACTER FOR BOX           |
| FTRLQD025            | BOX IS REQUIRED WHEN ROUTE IS POPULATED         |
| FTRLQD026            | BOX IS PROHIBITED WHEN TXACT = P                |
| FTRLQD027            | AFT IS REQUIRED                                 |
| FTRLQD028            | SASN IS REQUIRED WHEN AFT IS B, D               |
| FTRLQD029            | SANO IS PROHIBITED WHEN AFT IS B, D             |
| FTRLQD030            | SANO IS REQUIRED WHEN AFT IS C, N               |
| FTRLQD031            | AFT VALID VALUE = B, C, D, N                    |
| FTRLQD032            | AFT IS PROHIBITED                               |
| FTRLQD033            | AFT IS PROHIBITED WHEN TXACT = P                |
| FTRLQD034            | SANO IS REQUIRED                                |
| FTRLQD035            | SANO IS PROHIBITED                              |
| FTRLQD036            | SANO MAY NOT EXCEED 10 CHARACTERS               |
| FTRLQD037            | NOT A VALID SPECIAL CHARACTER FOR SANO          |
| FTRLQD038            | SANO IS PROHIBITED                              |
| FTRLQD039            | A HYPHEN MUST BE FOLLOWED BY A NUMERIC FOR SANO |
| FTRLQD040            | SANO IS PROHIBITED WHEN TXACT = P               |
| FTRLQD041            | SASF IS PROHIBITED                              |



| Error Message Number | Error Message Text                                                                  |
|----------------------|-------------------------------------------------------------------------------------|
| FTRLQD042            | NOT A VALID SPECIAL CHARACTER FOR SASF                                              |
| FTRLQD043            | A VIRGULE MUST BE PRECEDED AND FOLLOWED BY A NUMERIC CHARACTER FOR SASF             |
| FTRLQD044            | SASF MAY NOT EXCEED 4 CHARACTERS                                                    |
| FTRLQD045            | SASF IS PROHIBITED WHEN TXACT = P                                                   |
| FTRLQD046            | SASD IS PROHIBITED                                                                  |
| FTRLQD047            | SASD VALID VALUE = E, W, N, S, NE, NW, SE, SW                                       |
| FTRLQD048            | SASD IS PROHIBITED WHEN TXACT = P                                                   |
| FTRLQD049            | SASN IS REQUIRED WHEN AFT EQUALS B, C, D, N                                         |
| FTRLQD050            | SASN IS REQUIRED                                                                    |
| FTRLQD051            | SASN MAY NOT EXCEED 50 CHARACTERS                                                   |
| FTRLQD052            | NOT A VALID SPECIAL CHARACTER FOR SASN                                              |
| FTRLQD053            | SASN IS PROHIBITED WHEN TXACT = P                                                   |
| FTRLQD054            | SATH IS PROHIBITED                                                                  |
| FTRLQD055            | SATH VALUE IS INVALID                                                               |
| FTRLQD056            | SATH IS PROHIBITED WHEN TXACT = P                                                   |
| FTRLQD057            | SASS IS PROHIBITED                                                                  |
| FTRLQD058            | SASS VALID VALUE = E, W, N, S, NE, NW, SE, SW                                       |
| FTRLQD059            | SASS IS PROHIBITED WHEN TXACT = P                                                   |
| FTRLQD060            | LD1 IS PROHIBITED                                                                   |
| FTRLQD061            | LD1 VALID VALUE = BLDG, WNG, PIER                                                   |
| FTRLQD062            | LD1 IS PROHIBITED WHEN TXACT = P                                                    |
| FTRLQD063            | LV1 IS PROHIBITED                                                                   |
| FTRLQD064            | LV1 HAS INVALID SPECIAL CHARACTERS                                                  |
| FTRLQD065            | LV1 MAY NOT EXCEED 10 CHARACTERS                                                    |
| FTRLQD066            | LV1 HAS INVALID SPECIAL CHARACTERS                                                  |
| FTRLQD067            | LV1 IS REQUIRED                                                                     |
| FTRLQD068            | LD2 IS PROHIBITED                                                                   |
| FTRLQD069            | LD2 VALID VALUE = FL                                                                |
| FTRLQD070            | LD2 IS PROHIBITED WHEN TXACT = P                                                    |
| FTRLQD071            | LV2 IS PROHIBITED                                                                   |
| FTRLQD072            | LV2 MAY NOT EXCEED 10 CHARACTERS                                                    |
| FTRLQD073            | LV2 IS REQUIRED                                                                     |
| FTRLQD074            | LV2 VALUE IS INVALID                                                                |
| FTRLQD075            | LV2 HAS INVALID SPECIAL CHARACTERS                                                  |
| FTRLQD076            | LD3 IS PROHIBITED                                                                   |
| FTRLQD077            | LD3 VALID VALUE = APT, SUIT, RM, LOT, SLIP, UNIT, SPC, BLDG, OFC, FL, DEPT, STE, PH |
| FTRLQD078            | LD3 IS PROHIBITED WHEN TXACT = P                                                    |
| FTRLQD079            | LV3 IS PROHIBITED                                                                   |
| FTRLQD080            | LV3 MAY NOT EXCEED 10 CHARACTERS                                                    |
| FTRLQD081            | LV3 HAS INVALID SPECIAL CHARACTERS                                                  |
| FTRLQD082            | LV3 IS REQUIRED                                                                     |
| FTRLQD083            | CITY IS REQUIRED                                                                    |



| Error Message Number | Error Message Text                                     |
|----------------------|--------------------------------------------------------|
| FTRLQD084            | CITY IS PROHIBITED                                     |
| FTRLQD085            | CITY MAY NOT EXCEED 32 CHARACTERS                      |
| FTRLQD086            | NOT A VALID SPECIAL CHARACTER FOR CITY                 |
| FTRLQD087            | CITY IS PROHIBITED WHEN TXACT = P                      |
| FTRLQD088            | NOT A VALID STATE FOR FRONTIER                         |
| FTRLQD089            | STATE IS REQUIRED                                      |
| FTRLQD090            | STATE FIELD MUST BE CAPITAL LETTERS                    |
| FTRLQD091            | ZIP CODE IS PROHIBITED                                 |
| FTRLQD092            | ZIP MAY ONLY BE 5-12 CHARACTERS                        |
| FTRLQD093            | ONLY SPECIAL CHARACTER ALLOWED IN ZIP IS HYPHEN        |
| FTRLQD094            | ZIP IS PROHIBITED WHEN TXACT = P                       |
| FTRLQD095            | WTN REQUIRED IF SASN AND ROUTE AND BOX NOT POPULATED   |
| FTRLQD096            | WTN MAY ONLY BE 10 NUMERICS                            |
| FTRLQD097            | WTN IS PROHIBITED                                      |
| FTRLQD098            | WTN IS PROHIBITED WHEN TXACT = P                       |
| FTRLQD099            | DCADDRESS1 MAY ONLY BE 63 CHARACTERS                   |
| FTRLQD100            | DCADDRESS1 IS REQUIRED WHEN TXACT = P                  |
| FTRLQD101            | DCUNIT IS PROHIBITED WHEN DCADDRESS1 IS NOT POPULATED  |
| FTRLQD102            | DCUNIT VALUE IS INVALID                                |
| FTRLQD103            | DCUNIT MAY ONLY BE 4 CHARACTERS                        |
| FTRLQD104            | DCUNITVALUE MAY ONLY BE 10 CHARACTERS                  |
| FTRLQD105            | DCUNITVALUE IS PROHIBITED WHEN DCUNIT IS NOT POPULATED |
| FTRLQD106            | DCCITY MAY NOT EXCEED 32 CHARACTERS                    |
| FTRLQD107            | DCCITY IS REQUIRED                                     |
| FTRLQD108            | NOT A VALID DCSTATE FOR FRONTIER                       |
| FTRLQD109            | DCSTATE FIELD MUST BE CAPITAL LETTERS                  |
| FTRLQD110            | DCSTATE IS REQUIRED                                    |
| FTRLQD111            | DCZIP MAY ONLY BE 5-12 CHARACTERS                      |
| FTRLQD112            | DCZIP IS PROHIBITED                                    |
| FTRLQD113            | ONLY SPECIAL CHARACTER ALLOWED IN DCZIP IS HYPHEN      |
| FTRLQD114            | SAPR PROHIBITED WHEN SASN IS NOT POPULATED             |
| FTRLQD115            | SAPR MUST BE 1-6 ALPHA NUMERIC                         |
| FTRLQD116            |                                                        |



**APPENDIX B - CHANGE CONTROL LOG**

| DATE       | FIELD | REVISION NUMBER       | CHANGE                    |
|------------|-------|-----------------------|---------------------------|
| 07/16/2021 | All   | October 2021 Release  | Update version to 9.30.24 |
| 07/15/2022 | All   | October 2022 Release  | Update version to 9.30.25 |
| 03/21/2023 | All   | June 2023 Release     | Update version to 9.30.26 |
| 11/24/2023 | All   | February 2024 Release | Update version to 9.30.27 |
|            |       |                       |                           |