



FRONTIER 9.18.0
Loop Qualification Basic & Extended (LQB/LQE)
PRE-ORDER INQUIRY
VER 1.0

**FRONTIER BUSINESS RULES
FTR 9.18.0**

LQB/LQE Pre-Order Inquiry

4/15/2010

Field Number	Field Name	Mapping Rule	Data Char	Field Length	Valid Values Range of Values	Conditional Business Rules/Edits	R/O/P
002	TXNUM	SYSTEM GENERATED	AN	1-16		1. If not populated, then return error: FTRLQ001 TXNUM IS REQUIRED	R
003	D/TSENT	SYSTEM GENERATED	A.N	14-14	Two Digit Century (00-99) Two Digit Year (00-99) Two Digit Month (01-12) Two Digit Day (01-31) Two Digit hour (01-12) Two Digit Minute (00-59) Two Digit Second AM or PM	1. If not populated, then return error: FTRLQ002 D/TSENT IS REQUIRED 2. If populated and dl ≠ 14, then return error: FTRLQ003 DATE/TIME SENT MUST BE 14 CHARACTERS 3. If populated and positions 5, 6 (MM) ≠ 01-12, then return error: FTRLQ004 DATE/TIME SENT MONTH MUST BE 01-12 4. If populated and positions 7, 8 ≠ 01-31, then return error: FTRLQ005 DATE/TIME SENT DAY MUST BE 01 – 31 5. If populated and positions 9,10 ≠ 01-12, then return error: FTRLQ006 DATE/TIME SENT HOUR MUST BE 01-12 6. If populated and positions 11, 12 ≠ 00-59, then return error: FTRLQ007 DATE/TIME SENT MINUTES MUST BE 00-59 7. If populated and dc ≠ numeric in positions 1 through 12, then return error: FTRLQ008 DATE/TIME SENT MUST BE NUMERIC IN POSITION 1-12	R

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						8. If populated and position 13 and 14 ≠ to AM or PM, then return error: FTRLQ009 AM OR PM REQUIRED IN POSITIONS 13 AND 14 ON D/TSENT	
005	TXACT		A	1-1	A (New Inquiry)	1. If not populated, then return error: FTRLQ012 TXACT IS REQUIRED 2.If populated and vv does not equal A, then return error: FTRLQ013 TXACT VALID VALUE = A	R
006	CC		A.N	1-4		1. If not populated, then return error: FTRLQ014 CC IS REQUIRED 2. If populated and dl > 4, then return error: FTRLQ015 CC MAY NOT EXCEED 4 CHARACTERS	R
008	MS – Market Segment		A	1-1	A (Resale) B (UNE)	1. If not populated, then return error: FTRLQ016 MS IS REQUIRED 2. If populated and vv does not equal A, B, then return error: FTRLQ017 MS VALID VALUE = A, B	R
010b	ROUTE - Route		A/N Ampersand, Apostrophe, Asterisk, Hyphen, Number Sign, Parentheses, Space	1-6		1. If not populated and SASN and WTN are not populated, then return error: FTRLQ018 ROUTE IS REQUIRED 2. If not populated and BOX is populated, then return error: FTRLQ019 ROUTE IS REQUIRED 3. If populated and dl > 6, then return error: FTRLQ020 ROUTE MAY NOT EXCEED 6 CHARACTERS 4. If populated and special character ≠ Ampersand, Apostrophe, Asterisk Hyphen, Space, Number Sign, Parentheses, then return error: FTRLQ021 NOT A VALID SPECIAL	O

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						CHARACTER FOR ROUTE 5. If populated and WTN is populated, then return error: FTRLQ022 ROUTE IS PROHIBITED WHEN WTN IS POPULATED	
010c	BOX - Box Number		A/N Special Characters: Ampersand, Apostrophe, Asterisk, Hyphen, Number Sign, Parentheses, Space	1-9		1. If populated and ROUTE is not populated, then return error: FTRLQ023 BOX IS PROHIBITED WITHOUT ROUTE 2. If populated and dl > 9, then return error: FTRLQ024 BOX MAY NOT EXCEED 9 CHARACTERS 3. If populated and special character ≠ Ampersand, Apostrophe, Asterisk, Hyphen, Space, Number Sign, Parentheses, then return error: FTRLQ025 NOT A VALID SPECIAL CHARACTER FOR BOX 4. If not populated and ROUTE is populated, then return error: FTRLQ026 BOX REQUIRED WHEN ROUTE IS POPULATED	O
011	RESID – Response Identifier		A/N	1-17	Identifies the response number assigned by FRONTIER to relate subsequent activity	1. If populated and TXTYP does not equal P, the return error: FTRLQ027 RESID PROHIBITED WHEN TXTYP DOES NOT EQUAL P	O
015	AFT - Address Format Type		A	1-1	B, C, D, N	1. If not populated and WTN is not populated, then return error: FTRLQ028 AFT IS REQUIRED 2. If populated and vv = B, D and SASN	O

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						<p>is not populated, then return error: FTRLQ029 SASN IS REQUIRED WHEN AFT IS B, D</p> <p>3. If populated and vv = B, D and SANO is populated, then return error: FTRLQ030 SANO IS PROHIBITED WHEN AFT IS B, D</p> <p>4. If populated and vv = C, N and SANO is not populated, then return error: FTRLQ031 SANO IS REQUIRED WHEN AFT IS C, N</p> <p>5. If populated and vv does not equal B, C, D, N, then return error: FTRLQ032 AFT VALID VALUE = B, C, D, N</p> <p>6. If populated and WTN is populated, then return error: FTRLQ033 AFT IS PROHIBITED</p>	
017	SANO		A/N Special Characters: Hyphen,	1-10		<p>1. If not populated and AFT = C, N, then return error: FTRLQ034 SANO IS REQUIRED</p> <p>2. If populated and AFT = B, D, then return error: FTRLQ035 SANO IS PROHIBITED</p> <p>3. If populated and dl > 10, then return error: FTRLQ036 SANO MAY NOT EXCEED 10 CHARACTERS</p> <p>4. If populated and special character ≠ Hyphen, then return error: FTRLQ037 NOT A VALID SPECIAL CHARACTER FOR SANO</p>	O

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						<p>6. If populated and SASN or (ROUTE and BOX) are not populated, then return error: FTRLQ039 SANO IS PROHIBITED</p> <p>7. If populated and vv = hyphen not followed by a numeric, then return error: FTRLQ040 A HYPHEN MUST BE FOLLOWED BY A NUMERIC FOR SANO</p>	
019	SASF - Service Address Number Suffix		A/N Special Characters: Virgule	1-4		<p>1. If populated and SANO is not populated, then return error: FTRLQ041 SASF IS PROHIBITED</p> <p>2. If populated and special character ≠, Virgule, then return error: FTRLQ042 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: FTRLQ043 A VIRGULE MUST BE PRECEDED AND FOLLOWED BY A NUMERIC CHARACTER FOR SASF</p> <p>4. If populated and dl > 4, then return error: FTRLQ044 SASF MAY NOT EXCEED 4 CHARACTERS</p>	O
020	SASD - Service Address Street Directional Prefix		A	1-2	E = East W = West N = North S = South NE = Northeast NW = Northwest SE = Southeast SW = Southwest	<p>1. If populated and SASN is not populated, then return error: FTRLQ045 SASD IS PROHIBITED</p> <p>2. If populated and vv ≠ E, W, N, S, NE, NW, SE, SW, then return error: FTRLQ046 SASD VALID VALUE = E, W, N, S, NE, NW, SE, SW</p>	O
021	SASN - Service		A/N	1-50		1. If not populated and AFT = B, C, D,	O

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	Address Street Name		Special Characters: Ampersand, Apostrophe, Asterisk, Hyphen, Number Sign, Parentheses, Space			<p>N, then return error: FTRLQ047 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, then return error: FTRLQ048 SASN IS REQUIRED</p> <p>3. If populated and dl > 50, then return error: FTRLQ049 SASN MAY NOT EXCEED 50 CHARACTERS</p> <p>4. If populated and special character ≠ Ampersand, Apostrophe, Asterisk, Hyphen, Space, Number Sign, Parentheses, then return error: FTRLQ050 NOT A VALID SPECIAL CHARACTER FOR SASN</p>	
022	SATH - Service Address Street Type		A/N	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: FTRLQ051 SATH IS PROHIBITED</p> <p>2. If populated and vv ≠ entry in attached table, then return error: FTRLQ052 SATH VALUE IS INVALID</p>	O
023	SASS - Service Address Street Directional Suffix		A	1-2	<p>E = East W = West N = North S = South NE = Northeast NW = Northwest SE = Southeast SW = Southwest</p>	<p>1. If populated and SASN is not populated, then return error: FTRLQ053 SASS IS PROHIBITED</p> <p>2. If populated and vv ≠ E, W, N, S, NE, NW, SE, SW, then return error: FTRLQ054 SASS VALID VALUE = E, W, N, S, NE, NW, SE, SW</p>	O
019	LD1 - Service Address Location Designator 1		A	4-4	<p>Valid LD1 Values: BLDG (Building) PIER (Pier)</p>	<p>1. If populated and SASN is not populated, then return error: FTRLQ055 LD1 IS PROHIBITED</p> <p>2. If populated and vv ≠ BLDG, WNG,</p>	O

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					WNG (Wing)	PIER, then return error: FTRLQ056 LD1 VALID VALUES = BLDG, PIER, WNG	
025	LV1 - Service Address Location Value 1		A/N	1-10		<p>1. If populated and LD1 is not populated, then return error: FTRLQ057 LV1 IS PROHIBITED</p> <p>2. If populated and special character ≠ Apostrophe, Comma, Hyphen, Space and LD1 = BLDG, then return error: FTRLQ058 LV1 HAS INVALID SPECIAL CHARACTERS</p> <p>3. If populated and dl > 10, then return error: FTRLQ059 LV1 MAY NOT EXCEED 10 CHARACTERS</p> <p>4. If populated and special character ≠ Comma, Hyphen, Space and LD1 = WNG, PIER, then return error FTRLQ060 LV1 HAS INVALID SPECIAL CHARACTERS</p> <p>5. If not populated and LD1 is populated, then return error FTRLQ061 LV1 IS REQUIRED</p>	O
026	LD2 - Service Address Location Designator 2		A	2-2	Valid LD2 Values: FL (Floor)	<p>1. If populated and SASN is not populated, then return error: FTRLQ062 LD2 IS PROHIBITED</p> <p>2. If populated and vv ≠ FL, then return error: FTRLQ063 LD2 VALID VALUE = FL</p>	O
027	LV2 - Service Address Location Value 2		A/N, Allow special characters Comma, Space	1-10	Main, Attic, Penthouse, Townhouse, Ground, Basement, Upper Level, Lower Level,	<p>1. If populated and LD2 is not populated, then return error: FTRLQ064 LV2 IS PROHIBITED</p> <p>2. If populated and dl > 10, then return error: FTRLQ065 LV2 MAY NOT EXCEED 10 CHARACTERS</p>	O

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Field Number	Field Name	Mapping Rule	Data Char	Field Length	Valid Values Range of Values	Conditional Business Rules/Edits	R/O/P
					Mezzanine, Terrace, Bottom, Rear Left, Rear Right, Front Left, FrontRight, Middle, Left Rear, Right Rear, Left Front, Right Front, Garden, Garage, Superinten, Store, Walk-In, Lobby, (1-999)	<p>3. If not populated and LD2 is populated, then return error FTRLQ066 LV2 IS REQUIRED</p> <p>4. If populated and vv ≠ 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), then return error: FTRLQ067 LV2 VALUE IS INVALID</p> <p>5. If populated and special character ≠ Comma, Space, then return error: FTRLQ068 LV2 HAS INVALID SPECIAL CHARACTERS</p>	
028	LD3 - Service Address Location Designator 3		A	2-4	Valid Values: APT (Apartment) SUIT (Suite) RM (Room) LOT (Lot) UNIT (Unit) SLIP	<p>1. If populated and SASN is not populated, then return error: FTRLQ069 LD3 IS PROHIBITED</p> <p>2. If populated and vv ≠ APT, SUIT, RM, LOT, SLIP, UNIT, then return error: FTRLQ070 LD3 VALID VALUE = APT, SUIT, RM, LOT, SLIP, UNIT</p>	O
029	LV3 - Service Address Location Value 3		A/N Allow special characters Comma, Hyphen, Space	1-10		<p>1. If populated and LD3 is not populated, then return error: FTRLQ071 LV3 IS PROHIBITED</p> <p>2. If populated and dl > 10, then return error: FTRLQ072 LV3 MAY NOT EXCEED 10 CHARACTERS</p> <p>3. If populated and special character ≠ Comma, Hyphen, Space, then return error: FTRLQ073 LV3 HAS INVALID</p>	O

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						SPECIAL CHARACTERS 4. If not populated and LD3 is populated, then return error: FTRLQ074 LV3 IS REQUIRED	
031	CITY - City		A/N Special Characters: Ampersand, Apostrophe, Asterisk, Hyphen, Space, Number Sign, Parentheses	1-32		1. If not populated and SASN or (ROUTE and BOX) are populated, then return error: FTRLQ075 CITY IS REQUIRED 2. If populated and SASN, ROUTE, BOX are not populated, then return error: FTRLQ076 CITY IS PROHIBITED 3. If populated and dl > 32, then return error: FTRLQ077 CITY MAY NOT EXCEED 32 CHARACTERS 4. If populated and special character ≠ Apostrophe, Asterisk, Hyphen, Space Number Sign, Parentheses, then return error: FTRLQ078 NOT A VALID SPECIAL CHARACTER FOR CITY	O
032	STATE - State		A	2-2	WV	1. If populated and vv ≠ WV, then return error: FTRLQ079 NOT A VALID STATE FOR FRONTIER 2. If not populated, then return error: FTRLQ080 STATE IS REQUIRED 3. If populated and vv ≠ capital letters, then return error: FTRLQ081 STATE FIELD MUST BE CAPITAL LETTERS	R
033	ZIP - Zip/Postal Code		A/N, hyphen	5-12		1. If populated and SASN or (ROUTE and BOX) are not populated, then return error: FTRLQ082 ZIP CODE IS PROHIBITED 2. If populated and (dl < 5 or > 12), then	O

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Field Number	Field Name	Mapping Rule	Data Char	Field Length	Valid Values Range of Values	Conditional Business Rules/Edits	R/O/P
						return error: FTRLQ083 ZIP MAY ONLY BE 5-12 CHARACTERS 4. If populated and special character does not equal hyphen, then return error: FTRLQ084 ONLY SPECIAL CHARACTER ALLOWED IN ZIP IS HYPHEN	
056	WTN – Working Telephone Number		N	10-10		1. If not populated and SASN and (ROUTE and BOX) are not populated, then return error: FTRLQ085 WTN REQUIRED WHEN SASN AND ROUTE AND BOX ARE NOT POPULATED 2. If populated and ((dl does not equal 10) or (dc does not equal numeric)), then return error: FTRLQ086 WTN MAY ONLY BE 10 NUMERICS	O

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APPENDIX A: ERROR MESSAGE TABLE

Error Message Number	Error Message Text
FTRLQ001	TXNUM IS REQUIRED
FTRLQ002	D/TSENT IS REQUIRED
FTRLQ003	DATE/TIME SENT MUST BE 14 CHARACTERS
FTRLQ004	DATE/TIME SENT MONTH MUST BE 01-12
FTRLQ005	DATE/TIME SENT DAY MUST BE 01 – 31
FTRLQ006	DATE/TIME SENT HOUR MUST BE 01-12
FTRLQ007	DATE/TIME SENT MINUTES MUST BE 00-59
FTRLQ008	DATE/TIME SENT MUST BE NUMERIC IN POSITION 1-12
FTRLQ009	AM OR PM REQUIRED IN POSITIONS 13 AND 14 ON D/TSENT
FTRLQ010	TXTYP IS REQUIRED
FTRLQ011	TXTYP VALID VALUE = Q, P
FTRLQ012	TXACT IS REQUIRED
FTRLQ013	TXACT VALID VALUE = A
FTRLQ014	CC IS REQUIRED
FTRLQ015	CC MAY NOT EXCEED 4 CHARACTERS
FTRLQ016	MS IS REQUIRED
FTRLQ017	MS VALID VALUE = A, B
FTRLQ018	ROUTE IS REQUIRED
FTRLQ019	ROUTE IS REQUIRED
FTRLQ020	ROUTE MAY NOT EXCEED 6 CHARACTERS
FTRLQ021	NOT A VALID SPECIAL CHARACTER FOR ROUTE
FTRLQ022	ROUTE IS PROHIBITED WHEN WTN IS POPULATED
FTRLQ023	BOX IS PROHIBITED WITHOUT ROUTE
FTRLQ024	BOX MAY NOT EXCEED 9 CHARACTERS
FTRLQ025	NOT A VALID SPECIAL CHARACTER FOR BOX
FTRLQ026	BOX REQUIRED WHEN ROUTE IS POPULATED
FTRLQ027	RESID PROHIBITED WHEN TXTYP DOES NOT EQUAL P
FTRLQ028	AFT IS REQUIRED
FTRLQ029	SASN IS REQUIRED WHEN AFT IS B, D
FTRLQ030	SANO IS PROHIBITED WHEN AFT IS B, D
FTRLQ031	SANO IS REQUIRED WHEN AFT IS C, N
FTRLQ032	AFT VALID VALUE = B, C, D, N

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Error Message Number	Error Message Text
FTRLQ033	AFT IS PROHIBITED
FTRLQ034	SANO IS REQUIRED
FTRLQ035	SANO IS PROHIBITED
FTRLQ036	SANO MAY NOT EXCEED 10 CHARACTERS
FTRLQ037	NOT A VALID SPECIAL CHARACTER FOR SANO
FTRLQ038	SANO IS PROHIBITED WITH THIS TXTYP/TXACT COMBINATION
FTRLQ039	SANO IS PROHIBITED
FTRLQ040	A HYPHEN MUST BE FOLLOWED BY A NUMERIC FOR SANO
FTRLQ041	SASF IS PROHIBITED
FTRLQ042	NOT A VALID SPECIAL CHARACTER FOR SASF
FTRLQ043	A VIRGULE MUST BE PRECEDED AND FOLLOWED BY A NUMERIC CHARACTER FOR SASF
FTRLQ044	SASF MAY NOT EXCEED 4 CHARACTERS
FTRLQ045	SASD IS PROHIBITED
FTRLQ046	SASD VALID VALUE = E, W, N, S, NE, NW, SE, SW
FTRLQ047	SASN IS REQUIRED WHEN AFT EQUALS B, C, D, N
FTRLQ048	SASN IS REQUIRED
FTRLQ049	SASN MAY NOT EXCEED 50 CHARACTERS
FTRLQ050	NOT A VALID SPECIAL CHARACTER FOR SASN
FTRLQ051	SATH IS PROHIBITED
FTRLQ052	SATH VALUE IS INVALID
FTRLQ053	SASS IS PROHIBITED
FTRLQ054	SASS VALID VALUE = E, W, N, S, NE, NW, SE, SW
FTRLQ055	LD1 IS PROHIBITED
FTRLQ056	LD1 VALID VALUES = BLDG, PIER, WNG
FTRLQ057	LV1 IS PROHIBITED
FTRLQ058	LV1 HAS INVALID SPECIAL CHARACTERS
FTRLQ059	LV1 MAY NOT EXCEED 10 CHARACTERS
FTRLQ060	LV1 HAS INVALID SPECIAL CHARACTERS
FTRLQ061	LV1 IS REQUIRED
FTRLQ062	LD2 IS PROHIBITED
FTRLQ063	LD2 VALID VALUE = FL
FTRLQ064	LV2 IS PROHIBITED
FTRLQ065	LV2 MAY NOT EXCEED 10 CHARACTERS
FTRLQ066	LV2 IS REQUIRED
FTRLQ067	LV2 VALUE IS INVALID
FTRLQ068	LV2 HAS INVALID SPECIAL CHARACTERS
FTRLQ069	LD3 IS PROHIBITED

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Error Message Number	Error Message Text
FTRLQ070	LD3 VALID VALUE = APT, SUIT, RM, LOT, SLIP, UNIT
FTRLQ071	LV3 IS PROHIBITED
FTRLQ072	LV3 MAY NOT EXCEED 10 CHARACTERS
FTRLQ073	LV3 HAS INVALID SPECIAL CHARACTERS
FTRLQ074	LV3 IS REQUIRED
FTRLQ075	CITY IS REQUIRED
FTRLQ076	CITY IS PROHIBITED
FTRLQ077	CITY MAY NOT EXCEED 32 CHARACTERS
FTRLQ078	NOT A VALID SPECIAL CHARACTER FOR CITY
FTRLQ079	NOT A VALID STATE FOR FRONTIER
FTRLQ080	STATE IS REQUIRED
FTRLQ081	STATE FIELD MUST BE CAPITAL LETTERS
FTRLQ082	ZIP CODE IS PROHIBITED
FTRLQ083	ZIP MAY ONLY BE 5-12 CHARACTERS
FTRLQ084	ONLY SPECIAL CHARACTER ALLOWED IN ZIP IS HYPHEN
FTRLQ085	WTN REQUIRED WHEN SASN AND ROUTE AND BOX ARE NOT POPULATED
FTRLQ086	WTN MAY ONLY BE 10 NUMERICS
FTRLQ087	
FTRLQ088	
FTRLQ089	
FTRLQ090	
FTRLQ091	
FTRLQ092	
FTRLQ093	
FTRLQ094	
FTRLQ095	
FTRLQ096	
FTRLQ097	
FTRLQ098	
FTRLQ099	
FTRLQ100	

APPENDIX B - CHANGE CONTROL LOG

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DATE	FIELD	REVISION NUMBER	CHANGE
3/11/2010	SANO	17005	Deleted the rule: 5. If populated and TXTYP = A and TXACT = T, then return error: FTRLQ038 SANO IS PROHIBITED WITH THIS TXTYP/TXACT COMBINATION