Listings Reconciliation
Table of Contents

62. Listings Reconciliation

62.1 Business Description

A CLEC should request a listing reconciliation prior to submitting a facility based directory listing request that changes or deletes an existing record in the Qwest directory listing system. The listing reconciliation verifies that the Listed Telephone Number (LTN) entered is valid within the Qwest directory listing system.

A listing reconciliation begins by the CLEC entering a Listed Telephone Number and the assurance of having a Letter of Authorization on file for the entered LTN. The LTN query may return an Exact Match or Multiple Matches. An Exact Match is returned when there is a one-to-one connection between the LTN entered and the LTN within the Qwest listing system. Multiple Matches are returned when there are one-to-many connections between the LTN entered and the LTN's within the Qwest listing system. The CLEC is provided a list of all matches, which he will use to identify the individual listing he would like to modify.

The listing reconciliation assists the CLEC by returning information about the listing, which will improve order entry and accuracy.
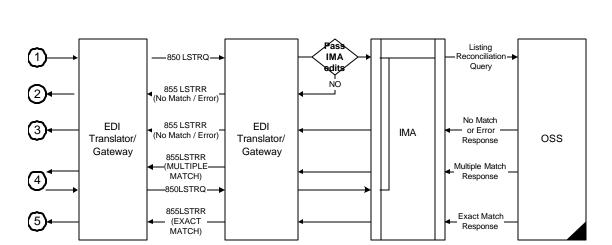
62.2 Business Model

The Pre-Order process for Facility Based Directory Listing (FBDL) utilizes the fields identified in the Ordering and Billing Forum (OBF) Listing Reconciliation practice. Listing Reconciliation provides a Co-Provider the ability to query for and receive information regarding the FBDL related information associated with a Listing telephone number.

The diagram below illustrates possible responses to the 850 Listing query request. For simplicity, associated 997 Functional Acknowledgments are not reflected in the diagram.

Listing Reconciliation

1. Co-Provider submits an 850LSTRQ by providing a FBDL Listing telephone number.

2. If the 850LSTRQ fails the IMA edits, an 855LSTRR (No Match or Error) response will be returned.

    If the 850LSTRQ passes the IMA edits, the query will be sent to the Operations Support System (OSS). This system will respond with one of three conditions: NO MATCH or ERROR, MULTIPLE MATCH or EXACT MATCH.

3. 855LSTRR (No Match or Error) will be returned when the 850LSTRQ encounters any error(s) with the OSS.

4. An 855LSTRR (MULTIPLE MATCH) will be returned when more than one listing exists for the requested FBDL Listing telephone number. A new 850LSTRQ can be submitted to resolve the multiple match situation, using one of the Listing telephone numbers provided in the initial response.

5. An 855LSTRR (EXACT MATCH), including the available listing information, will be returned when the Listing telephone number is matched in the legacy systems.

62.3 Developer Worksheets

See Appendix A Developer Worksheets - Pre-Order

62.4 Trading Partner Access Information

PRE-ORDER FUNCTION	PRODUCT ID
Listing Reconciliation Query	850LSTRQ
Listing Reconciliation Response	855LSTRR

62.4.1 OVERVIEW: Qwest Specific Functional Group Envelope - Routing Information

Separate maps have been created for pre-ordering functions. EDI envelopes are used for the initiation of translation processing and to invoke the correct map. In order to optimize interactive performance, the Co-Provider and Qwest agree to include only one transaction set per Functional Group, and one Functional Group per Interchange.

The Interchange envelope provides the Interchange Sender ID and Receiver ID information for EDI transport to deliver the transmission for external routing. The Functional Group Envelope routes the enclosed transaction set's output after translation to a specific application or application interface.

The Application Sender's Code (GS02) and Receiver's Code (GS03) are the linkage from the Functional Group Envelope to the translator's trading partner profile/relationship database in which the proper mapping and routing information are stored. In addition, the Functional Identifier Code (GS01) is the code identifying a group of application related transaction sets.

62.4.2 ISA TABLE INFORMATION

ANSI X12 ISA and IEA definitions:

- The ISA segment is the Interchange Control Header.
  Purpose: To start and identify an interchange of zero or more functional groups and interchange related control segments.
- The IEA segment is the Interchange Control Trailer.
  Purpose: To define the end of an interchange of zero or more functional groups and interchange related control segments.

The Co-Provider and Qwest agree to the following routing information:

	SENT TO Qwest	RECEIVED FROM Qwest
ISA01	*'00' (No Authorization information present)*	*'00' (No Authorization information present)*
ISA02	**Spaces** *(Authorization information)*	**Spaces** *(Authorization information)*
ISA03	*'00' (No Security information is present)*	*'00' (No Security information is present)*
ISA04	**Spaces** *(Security Information)*	**Spaces** *(Security information)*
ISA05	*Co-Provider TP qualifier*	*'ZZ' (Mutually Defined)*
ISA06	*Co-Provider TP ID*	*'QWESTP' (Note: This Trading partner ID is used only for Pre-order QWEST transactions. The "P" is the unique*

		identifier.)
ISA07	**'ZZ'** *(Mutually Defined)*	<u>Co-Provider TP qualifier</u>
ISA08	**'QWESTP'** *(<u>Note</u>: This Trading partner ID is used only for Pre-order QWEST transactions. The "P" is the unique identifier.)*	*Co-Provider TP ID*
ISA09	*Date of the interchange. YYMMDD*	*Date of the interchange. YYMMDD*
ISA10	*Time of the interchange. HHMM (24 Hour Clock)*	*Time of the interchange. HHMM (24 Hour Clock)*
ISA11	**'U'** *(U.S. EDI Community of ASC X-12, TDCC, and UCS)*	**'U'** *(U.S. EDI Community of ASC X-12, TDCC, and UCS)*
ISA12	**'00402'** *(Interchange Version ID)*	**'00402'** *(Interchange Version ID)*
ISA13	*Sender's translator assigned sequential control number*	*Sender's translator assigned sequential control number*
ISA14	**'0'** *(No acknowledgment requested)*	**'0'** *(No acknowledgment requested)*
ISA15	**'P'** *(Production data)*	**'P'** *(Production data)*
ISA16	**'0x1f'** *(Sub-element Separator)*	**'0x1f'** *(Sub-element Separator)*

62.4.3 **GS TABLE INFORMATION**

ANSI X12 GS and GE segment definitions:

- The GS segment is the Functional Group Header.
  Purpose: To indicate the beginning of a functional group and provide control information.
- The GE segment is the Functional Group Trailer.
  Purpose: To indicate the end of a functional group and provide control information.

The Co-Provider and Qwest agree to the following routing information:

	SENT TO Qwest	**RECEIVED FROM Qwest**
GS01	***SEE GS TABLE BELOW***	***SEE GS TABLE BELOW***
GS02	*Co-Provider TP ID*	***SEE GS TABLE BELOW***
GS03	***SEE GS TABLE BELOW***	*Co-Provider TP ID*
GS04	*Date of the functional group. CCYYMMDD*	*Date of the functional group. CCYYMMDD*
GS05	*Time of the functional group. HHMM (24 hour clock)*	*Time of the functional group. HHMM (24 hour clock)*
GS06	*Sender's translator assigned sequential control number*	*Sender's translator assigned sequential control number*
GS07	**'X'** *(Accredited Standards Committee X-12)*	**'X'** *(Accredited Standards Committee X-12)*
GS08	**'004020'** *(Version)*	**'004020'** *(Version)*

GS TABLE:

PRE ORDERING FUNCTION	Qwest SEND/ RECEIVE	DOCUMENT	GS01 VALUE	GS02 VALUE	GS03 VALUE
Address Validation Query	Receive	850LSTRQ	PO	*Co-provider TP ID*	**LSTR90**
Address Validation Response	Send	855LSTRR	PR	**LSTR90**	*Co-provider TP ID*

62.4.4 **MAPPING EXAMPLE AND DATA DICTIONARY ITEMS**

Purchase Order (PO) Date

The Purchase Order (PO) Date is an ANSI ASC X12 mandatory field. The sender is expected to populate this field; however, Qwest will not map this date into the application file. For outbound transactions Qwest will populate this field with a date. This date is only used to satisfy ANSI ASC X12 standards and should not be used by the Co-Provider.

Time Code

The Developer Worksheet time code fields of every transaction (i.e., D/T SENT) is assumed as follows:
- Transaction set(s) originating from the Co-Provider - time code should be consistent with your time zone.
- Transaction set(s) originating at Qwest - time code is Mountain Time.

4020 Exceptions

Transaction sets 850, 855, 860 and 865 are used with the following exception:
- SLN loop maximum use has been changed to >1

Delimiters

The following delimiters will be used:
- Element Separator: HEX 7C = | (vertical bar or pipe)
- Sub-Element Separator: HEX 1F = (non-printable characters of "0x1f")
- Segment Separator: HEX 0A = linefeed

Composite Element

The appendix noted for any Composite Unit applies to the standard and not to Qwest documentation (i.e.,
See Figures Appendix for examples of use).

62.5 Mapping Examples / Data Model

62.5.1 **850 Listing Reconciliation Query Mapping Example (850LSTRQ) – Version 4020**

Legend of Symbols in this transaction example

SYMBOL/DEFINITION	EXAMPLE
{ } = Valid Format	{CCYYMMDD}
Bold/Italics = DWS Element	**PON**
Superscript = Developer's Worksheet Ref # DWS used in this mapping example: LQ = Listings Reconciliation Query LR = Listings Reconciliation Response	$^{LQ-1}$
Italics = Literal	*GOOD*
<u>Underline</u> = Apply code conversion, used with **Bold/Italics**. Code conversion tables can be found in the data dictionary of this disclosure.	**<u>ACT</u>**
[ ] = Segment notes for this line	[SI Segment repeats …]
( ) = Element notes for this line	(This element states …)
n	Counter 1…n
* = Element separator in this example and related data dictionary.	| = Actual element separator in an EDI transaction.
> = Sub-element separator in this example and related data dictionary.	non-printable characters of "0x1f" = Actual sub-element separator in an EDI transaction.

ST*850*TRAN SET CONTROL #
BEG*28*IN***TXNUM*$^{LQ-2}$**PO Date(See Trading Partner Access Information)
DTM*097***D/TSENT*$^{LQ-3}${CCYYMMDD}***D/TSENT*$^{LQ-3}${HHMM}
SI*TI*IR***TXACT*$^{LQ-5}$*IQ***TXTYP*$^{LQ-4}$
N1*78***CCNA*$^{LQ-1}$
N1*BY**25***CC*$^{LQ-6}$

LISTING QUERY SECTION
PO1*n*1*EA***ZZ**LISTING*
SI*TI*TN***LTN*$^{LQ-7}$
SI*TI*DB***DIRIDL*$^{LQ-12}$*LE***REC TYPE*$^{LQ-11}$
PID*S**TI*AO***SO-RSQ***AGAUTH*$^{LQ-8}$
REF*RRS***NAME CONTROL*$^{LQ-13}$
REF*LI***REF*$^{LQ-14}$
REF*ACB***REGION*$^{LQ-15}$
REF*FI***FCC*$^{LQ-16}$
DTM*270***DATED*$^{LQ-9}${CCYYMMDD}
N1*AN***AUTHNM*$^{LQ-10}$

CTT*Number of PO1 Segments
SE*Number of Segments*TRAN SET CONTROL #

62.5.2 855 Listing Reconciliation Response Mapping Example (855LSTRR) – Version 4020

ST*855*TRAN SET CONTROL #
BAK*11*AT*$\textbf{\textit{TXNUM}}^{LR-2}$*PO Date (See Trading Partner Access Information)
DTM*097*$\textbf{\textit{D/TSENT}}${CCYYMMDD}$^{LR-3}$*$\textbf{\textit{D/TSENT}}${HHMM}$^{LR-3}$
SI*TI*IR* $\textbf{\textit{TXACT}}^{LR-5}$*IQ*$\textbf{\textit{TXTYP}}^{LR-4}$
N1*78* $\textbf{\textit{CCNA}}^{LR-1}$
N1*BY**25* $\textbf{\textit{CC}}^{LR-6}$

No Match or Error

PO1*n*1*EA***ZZ*$\textit{BAD}$ [PO1 Loop will be used if $\textbf{\textit{RESPONSE}}^{LR-7}$ = "B" (No Match or Error)]
ACK*IR***********************TI*$\textit{LISTING}$*$\textbf{\textit{RESPONSE}}^{LR-7}$
QTY*03*$\textbf{\textit{ERRNUM}}^{LR-51}$*EA
N9*1Q*$\textbf{\textit{ERRCODE}}^{LR-52}$*$\textit{ERR}$ [N9 Loop repeats $\textbf{\textit{ERRNUM}}^{LR-51}$ times]
MTX**$\textbf{\textit{ERRMESG}}^{LR-53}$

Exact Match

PO1*n*1*EA***ZZ*$\textit{GOOD}$*SH*$\textbf{\textit{RTY}}^{LR-23}$*LS*$\textbf{\textit{SO}}^{LR-38}$ [PO1 Loop will be used if $\textbf{\textit{RESPONSE}}^{LR-7}$ =
                                                      "G" (Exact Match)]

SI*TI*BO* $\textbf{\textit{BRO}}^{LR-28}$
SI*TI*BR*$\textbf{\textit{TOA}}^{LR-25}$
SI*TI*DB*$\textbf{\textit{DIRIDL}}^{LR-13}$
SI*TI*DG* $\textbf{\textit{DOI}}^{LR-26}$
SI*TI*DN* $\textbf{\textit{DIRNAME}}^{LR-12}$
SI*TI*LE* $\textbf{\textit{LTY}}^{LR-24}$
SI*TI*NS*$\textbf{\textit{NSTN}}^{LR-30}$
SI*TI*TN*$\textbf{\textit{LTN}}^{LR-8}$
SI*TI*TW*$\textbf{\textit{STYC}}^{LR-37}$
SI*TI*TY*$\textbf{\textit{TOS}}^{LR-11}$
PID*S**TI*AO***SO-RSQ*$\textbf{\textit{AGAUTH}}^{LR-16}$
PID*S**TI*AR***SO-RSQ*$\underline{\textbf{\textit{OMTN}}}^{LR-33}$
PID*S**TI*AT***SO-RSQ*$\underline{\textbf{\textit{ADI}}}^{LR-35}$
PID*S**TI*AX***SO-RSQ*$\textbf{\textit{NOSL}}^{LR-34}$
PID*S**TI*AY***SO-RSQ*$\underline{\textbf{\textit{TMKT}}}^{LR-27}$
PID*S**TI*BA***SO-RSQ* $\textbf{\textit{PROF}}^{LR-29}$
REF*LI* $\textbf{\textit{REF}}^{LR-15}$*$\textit{REF}$
REF*LI* $\textbf{\textit{ALI}}^{LR-22}$*$\textit{ALI}$
REF*RRS* $\textbf{\textit{NAME CONTROL}}^{LR-14}$
DTM*198*$\textbf{\textit{SCD}}^{LR-9}$ {CCYYMMDD}
DTM*270*$\textbf{\textit{DATED}}^{LR-17}${CCYYMMDD}
ACK*IA***********************TI* $\textit{LISTING}$*$\textbf{\textit{RESPONSE}}^{LR-7}$
QTY*31*$\textbf{\textit{DIRQTYA}}^{LR-21}$*DY
N9*82*$\textit{PLA}$
MTX**$\textbf{\textit{PLA}}^{LR-32}$
N9*JD*$\textit{LISTNAME}$
MTX**$\textbf{\textit{LISTNM}}^{LR-31}$
N9*JD*$\textit{LIST ADDRESS}$
MTX**$\textbf{\textit{LISTADR}}^{LR-36}$
N9*LU*$\textit{SERVICE ADDRESS}$
MTX**$\textbf{\textit{SERVADR}}^{LR-19}$
N9*KK* $\textit{DELIVERY ADDRESS}$

MTX**DELIVERY ADDRESS[LR-20]
N1*AN*AUTHNM[LR-18]

Multiple Match

PO1*n*1*EA***ZZ* *MULITPLE*   [PO1 Loop will be used if **RESPONSE**[LR-7] = "M" (Multiple)]
SI*TI*TN***LTN**[LR-40]
ACK*IA*************************TI* *LISTING****RESPONSE**[LR-7]
QTY*95***MATCHQTY**[LR-39]*EA
N1*IT* *LISTING QTY*   [N1 Loop repeats **MATCHQTY**[LR-39] times]
REF*FI***FCC**[LR-50]
REF*ACB***REGION**[LR-49]
REF*LI* **REF**[LR-45]*REF
REF*LI* **ALI**[LR-46]*ALI
REF*RRS***NAME CONTROL**[LR-44]
REF*TA***TMF CODE**[LR-48]
SI*TI*DB***DIRIDL**[LR-43]
SI*TI*DN* **DIRNAME**[LR-42]
SI*TI*RE***REC TYPE**[LR-41]
SI*TI*TW***STYC**[LR-47]

CTT*Number of PO1 Segments
SE*Number of Segments*TRAN SET CONTROL #

62.6 Data Dictionary

62.6.1 850 Listing Reconciliation Query (850LSTRQ) - Version 4020

<div align="right">

Functional Group ID=PO

</div>

Introduction:

The 850LSTRQ will be used by the Co-Provider to initiate a Listing Reconciliation Query to Qwest.

This implementation guideline references the following:
1. ANSI ASC X12 Version 4020

Notes:

This 850 Transaction includes the mapping for Listing Reconciliation Query.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	0100	ST	Transaction Set Header	M	1		
M	0200	BEG	Beginning Segment for Purchase Order	M	1		
	1500	DTM	Date/Time Reference	O	10		
	1850	SI	Service Characteristic Identification	O	>1		
			LOOP ID - N1			200	
	3100	N1	Name	O	1		
			LOOP ID - N1			200	
	3100	N1	Name	O	1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - PO1			100000	
M	0100	PO1	Baseline Item Data	M	1		n1
	0180	SI	Service Characteristic Identification	O	>1		
			LOOP ID - PID			1000	
	0500	PID	Product/Item Description	O	1		
	1000	REF	Reference Identification	O	>1		
	2100	DTM	Date/Time Reference	O	10		
			LOOP ID - N1			200	
	3500	N1	Name	O	1		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - CTT			1	
	0100	CTT	Transaction Totals	O	1		n2
M	0300	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. PO102 is required.
2. The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

Segment:	**ST** Transaction Set Header					

Position:	0100
Loop:	
Level:	Heading
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the start of a transaction set and to assign a control number
Syntax Notes:	
Semantic Notes:	**1** The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
	2 The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition.
Comments:	
Notes:	ST*850*TRAN SET CONTROL #

Data Element Summary

	Ref. Des. Attributes	Data Element	Name			
M	ST01	143	**Transaction Set Identifier Code**	M	ID 3/3	
			Code uniquely identifying a Transaction Set			
			850 Purchase Order			
M	ST02	329	**Transaction Set Control Number**	M	AN 4/9	
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set			

		Segment:	**BEG** Beginning Segment for Purchase Order

Segment: **BEG** Beginning Segment for Purchase Order

Position: 0200
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates
Syntax Notes:
Semantic Notes: **1** BEG05 is the date assigned by the purchaser to purchase order.
Comments:
Notes: BEG*28*IN*TXNUM (LQ-2)**PO Date (See Trading Partner Access Information)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	BEG01	353	**Transaction Set Purpose Code**	M	ID 2/2
			Code identifying purpose of transaction set		
			28　　　　　　Query		
M	BEG02	92	**Purchase Order Type Code**	M	ID 2/2
			Code specifying the type of Purchase Order		
			IN　　　　　　Information Copy		
M	BEG03	324	**Purchase Order Number**	M	AN 1/22
			Identifying number for Purchase Order assigned by the orderer/purchaser		
			TXNUM (LQ-2) = Transaction Number		
M	BEG05	373	**Date**	M	DT 8/8
			Date expressed as CCYYMMDD		
			PO Date = Purchase Order Date (See Trading Partner Access Information)		

Segment: # DTM Date/Time Reference

Position:	1500
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	10
Purpose:	To specify pertinent dates and times
Syntax Notes:	1 At least one of DTM02 DTM03 or DTM05 is required.
	2 If DTM04 is present, then DTM03 is required.
	3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:	
Comments:	
Notes:	DTM*097*D/TSENT (LQ-3){CCYYMMDD}*D/TSENT (LQ-3){HHMM}

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M DTM01	374	**Date/Time Qualifier**	M	ID 3/3
		Code specifying type of date or time, or both date and time		
		097 Transaction Creation		
DTM02	373	**Date**	X	DT 8/8
		Date expressed as CCYYMMDD		
		D/TSENT (LQ-3){CCYYMMDD} = Date Sent		
DTM03	337	**Time**	X	TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
		D/TSENT (LQ-3){HHMM} = Time Sent		

Segment: **SI** Service Characteristic Identification

Position:	1850
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To specify service characteristic data
Syntax Notes:	1 If either SI04 or SI05 is present, then the other is required.
	2 If either SI06 or SI07 is present, then the other is required.
	3 If either SI08 or SI09 is present, then the other is required.
	4 If either SI10 or SI11 is present, then the other is required.
	5 If either SI12 or SI13 is present, then the other is required.
	6 If either SI14 or SI15 is present, then the other is required.
	7 If either SI16 or SI17 is present, then the other is required.
	8 If either SI18 or SI19 is present, then the other is required.
	9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:	
Comments:	1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:	SI*TI*IR*TXACT (LQ-5)*IQ*TXQTYP (LQ-4)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	SI01	559	**Agency Qualifier Code**	M	**ID 2/2**
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	**Service Characteristics Qualifier**	M	**AN 2/2**
			Code from an industry code list qualifying the type of service characteristics		
			IR Transaction Activity		
M	SI03	234	**Product/Service ID**	M	**AN 1/48**
			Identifying number for a product or service		
			TXACT (LQ-5) = Transaction Activity		
	SI04	1000	**Service Characteristics Qualifier**	X	**AN 2/2**
			Code from an industry code list qualifying the type of service characteristics		
			IQ Inquiry Type		
	SI05	234	**Product/Service ID**	X	**AN 1/48**
			Identifying number for a product or service		
			TXTYP (LQ-4) = Transaction Type		

	Segment:	**N1** Name

Position:	3100	
Loop:	N1	Optional
Level:	Heading	
Usage:	Optional	
Max Use:	1	
Purpose:	To identify a party by type of organization, name, and code	
Syntax Notes:	1	At least one of N102 or N103 is required.
	2	If either N103 or N104 is present, then the other is required.
Semantic Notes:		
Comments:	1	This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
	2	N105 and N106 further define the type of entity in N101.
Notes:	N1*78*CCNA (LQ-1)	

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	**N101**	98	**Entity Identifier Code**	M	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			78 Service Requester		
	N102	93	**Name**	X	**AN 1/60**
			Free-form name		
			CCNA (LQ-1) = Customer Carrier Name Abbreviation		

Segment:	**N1** Name		
Position:	3100		
Loop:	N1 Optional		
Level:	Heading		
Usage:	Optional		
Max Use:	1		
Purpose:	To identify a party by type of organization, name, and code		
Syntax Notes:	1 At least one of N102 or N103 is required.		
	2 If either N103 or N104 is present, then the other is required.		
Semantic Notes:			
Comments:	1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.		
	2 N105 and N106 further define the type of entity in N101.		
Notes:	N1*BY**25*CC (LQ-6)		

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M	**N101**	98	**Entity Identifier Code**	**M ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual	
			BY Buying Party (Purchaser)	
	N103	66	**Identification Code Qualifier**	**X ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)	
			25 Carrier's Customer Code	
	N104	67	**Identification Code**	**X AN 2/80**
			Code identifying a party or other code	
			CC (LQ-6) = Company Code	

Segment:	**PO1** Baseline Item Data

Position:	0100
Loop:	PO1 Mandatory
Level:	Detail
Usage:	Mandatory
Max Use:	1
Purpose:	To specify basic and most frequently used line item data
Syntax Notes:	1 If PO103 is present, then PO102 is required.
	2 If PO105 is present, then PO104 is required.
	3 If either PO106 or PO107 is present, then the other is required.
	4 If either PO108 or PO109 is present, then the other is required.
	5 If either PO110 or PO111 is present, then the other is required.
	6 If either PO112 or PO113 is present, then the other is required.
	7 If either PO114 or PO115 is present, then the other is required.
	8 If either PO116 or PO117 is present, then the other is required.
	9 If either PO118 or PO119 is present, then the other is required.
	10 If either PO120 or PO121 is present, then the other is required.
	11 If either PO122 or PO123 is present, then the other is required.
	12 If either PO124 or PO125 is present, then the other is required.
Semantic Notes:	
Comments:	1 See the Data Element Dictionary for a complete list of IDs.
	2 PO101 is the line item identification.
	3 PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes:	PO1*n*1*EA***ZZ*LISTING

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
PO101	350	**Assigned Identification**	O	**AN 1/20**
		Alphanumeric characters assigned for differentiation within a transaction set		
		"n" = nth assigned ID within PO1 Loop		
PO102	330	**Quantity Ordered**	X	**R 1/15**
		Quantity ordered		
		1 Always One		
PO103	355	**Unit or Basis for Measurement Code**	O	**ID 2/2**
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		EA Each		
PO106	235	**Product/Service ID Qualifier**	X	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		ZZ Mutually Defined		
PO107	234	**Product/Service ID**	X	**AN 1/48**
		Identifying number for a product or service		
		"LISTING"		

Segment: # SI Service Characteristic Identification

Position: 0180
Loop: PO1   Mandatory
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify service characteristic data
Syntax Notes:

1. If either SI04 or SI05 is present, then the other is required.
2. If either SI06 or SI07 is present, then the other is required.
3. If either SI08 or SI09 is present, then the other is required.
4. If either SI10 or SI11 is present, then the other is required.
5. If either SI12 or SI13 is present, then the other is required.
6. If either SI14 or SI15 is present, then the other is required.
7. If either SI16 or SI17 is present, then the other is required.
8. If either SI18 or SI19 is present, then the other is required.
9. If either SI20 or SI21 is present, then the other is required.

Semantic Notes:
Comments:

1. SI01 defines the source for each of the service characteristics qualifiers.

Notes:
SI*TI*TN*LTN (LQ-7)
SI*TI*DB*DIRIDL (LQ-12)*LE*REC TYPE (LQ-11)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M **SI01**	559	**Agency Qualifier Code**	M	**ID 2/2**
		Code identifying the agency assigning the code values		
		TI Telecommunications Industry		
M **SI02**	1000	**Service Characteristics Qualifier**	M	**AN 2/2**
		Code from an industry code list qualifying the type of service characteristics		
		DB Directory Book Code		
		LE Listing Type		
		TN Telephone Number		
M **SI03**	234	**Product/Service ID**	M	**AN 1/48**
		Identifying number for a product or service		

LTN (LQ-7) = Listed Telephone Number
DIRIDL (LQ-12) = Directory Identifier
REC TYPE (LQ-11) = Record Type

Segment:	**PID** Product/Item Description			

Position: 0500
Loop: PID   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To describe a product or process in coded or free-form format
Syntax Notes:
1. If PID04 is present, then PID03 is required.
2. At least one of PID04 or PID05 is required.
3. If PID07 is present, then PID03 is required.
4. If PID08 is present, then PID04 is required.
5. If PID09 is present, then PID05 is required.

Semantic Notes:
1. Use PID03 to indicate the organization that publishes the code list being referred to.
2. PID04 should be used for industry-specific product description codes.
3. PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4. PID09 is used to identify the language being used in PID05.

Comments:
1. If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
2. Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3. PID07 specifies the individual code list of the agency specified in PID03.

Notes: PID*S**TI*AO*SO-RSQ*AGAUTH (LQ-8)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	**PID01**	349	**Item Description Type**	M	ID 1/1
			Code indicating the format of a description		
			S Structured (From Industry Code List)		
	PID03	559	**Agency Qualifier Code**	X	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
	PID04	751	**Product Description Code**	X	AN 1/12
			A code from an industry code list which provides specific data about a product characteristic		
			AO Agency Authorization Status		
	PID07	822	**Source Subqualifier**	O	AN 1/15
			A reference that indicates the table or text maintained by the Source Qualifier		
			SO-RSQ Service Order - Reseller Questions List		
	PID08	1073	**Yes/No Condition or Response Code**	O	ID 1/1
			Code indicating a Yes or No condition or response		
			N No		
			Y Yes		

Segment:		**REF** Reference Identification			

Position: 1000
Loop: PO1   Mandatory
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes: **1**   At least one of REF02 or REF03 is required.
  2   If either C04003 or C04004 is present, then the other is required.
  3   If either C04005 or C04006 is present, then the other is required.
Semantic Notes: **1**   REF04 contains data relating to the value cited in REF02.
Comments:
Notes: REF*RRS*NAME CONTROL (LQ-13)
            REF*LI*REF (LQ-14)
            REF*ACB*REGION (LQ-15)
            REF*FI*FCC (LQ-16)

Data Element Summary

Ref. Des. Attributes	Data Element	Name			
M **REF01**	**128**	**Reference Identification Qualifier**		**M**	**ID 2/3**
		Code qualifying the Reference Identification			
		ACB	Region		
		FI	File Identifier		
		LI	Line Item Identifier (Seller's)		
		RRS	Reconciliation Report Section Identification Code		
REF02	**127**	**Reference Identification**		**X**	**AN 1/30**
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
		NAME CONTROL (LQ-13) = Name Control			
		REF (LQ-14) = Reference			
		REGION (LQ-15) = Region			
		FCC (LQ-16) = File Control Code			

Segment:		**DTM** Date/Time Reference			

Position:	2100
Loop:	PO1 Mandatory
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To specify pertinent dates and times
Syntax Notes:	1 At least one of DTM02 DTM03 or DTM05 is required.
	2 If DTM04 is present, then DTM03 is required.
	3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:	
Comments:	
Notes:	DTM*270*DATED (LQ-9) {CCYYMMDD}

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	DTM01	374	**Date/Time Qualifier**	M	ID 3/3
			Code specifying type of date or time, or both date and time		
			270 Date Filed		
	DTM02	373	**Date**	X	DT 8/8
			Date expressed as CCYYMMDD		
			DATED (LQ-9) = Date of Agency Authorization		

	Segment:	**N1** Name

Position: 3500
Loop: N1   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1   At least one of N102 or N103 is required.
         2   If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1   This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
         2   N105 and N106 further define the type of entity in N101.
Notes: N1*AN*AUTHNUM (LQ-10)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M N101	98	**Entity Identifier Code**	M	ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual		
		AN Authorized From		
		A geographic location designated as an authorized pick-up or origin point for a shipment		
N102	93	**Name**	X	AN 1/60
		Free-form name		
		AUTHNUM (LQ-10) = Authorization Name		

Segment:	**CTT** Transaction Totals				

Segment: **CTT** Transaction Totals

Position: 0100
Loop: CTT   Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes: **1**   If either CTT03 or CTT04 is present, then the other is required.
                   2   If either CTT05 or CTT06 is present, then the other is required.
Semantic Notes:
Comments: **1**   This segment is intended to provide hash totals to validate
                    transaction completeness and correctness.
Notes: CTT*Number of PO1 Segments

Data Element Summary

Ref. Des. Attributes	Data Element	Name			
M **CTT01**	**354**	**Number of Line Items**	**M**	**N0 1/6**	
		Total number of line items in the transaction set			

Segment: # SE Transaction Set Trailer

Position:	0300
Loop:	
Level:	Summary
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
Syntax Notes:	
Semantic Notes:	
Comments:	1 SE is the last segment of each transaction set.
Notes:	SE*No of Segments*TRAN SET CONTROL #

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	SE01	96	**Number of Included Segments**	M	N0 1/10
			Total number of segments included in a transaction set including ST and SE segments		
M	SE02	329	**Transaction Set Control Number**	M	AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		

62.6.2 855 Listing Reconciliation Response (855LSTRR) - Version 4020

Functional Group ID=PR

Introduction:

The 855LSTRR will be used by Qwest to respond to a Listing Reconciliation Query from a Co-Provider.

This implementation guideline references the following:
1. ANSI ASC X12 Version 4020.

Notes:

This 855 Transaction includes the mapping for Listing Reconciliation Response.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	0100	ST	Transaction Set Header	M	1		
M	0200	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1		
	1500	DTM	Date/Time Reference	O	10		
	1850	SI	Service Characteristic Identification	O	>1		
			LOOP ID - N1			200	
	3000	N1	Name	O	1		
			LOOP ID - N1			200	
	3000	N1	Name	O	1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - PO1			100000	
	0100	PO1	Baseline Item Data - NO MATCH or ERROR	O	1		n1
			LOOP ID - ACK			104	
	2700	ACK	Line Item Acknowledgment	O	1		
			LOOP ID - QTY			>1	
	3000	QTY	Quantity	O	1		
			LOOP ID - N9			1000	
	3500	N9	Reference Identification	O	1		
	3600	MTX	Text	O	>1		
			LOOP ID - PO1			100000	
	0100	PO1	Baseline Item Data - EXACT MATCH	O	1		n2

0180	SI	Service Characteristic Identification	O	>1	

LOOP ID - PID				1000
0500	PID	Product/Item Description	O	1	

1000	REF	Reference Identification	O	>1	
2000	DTM	Date/Time Reference	O	10	

LOOP ID - ACK				104
2700	ACK	Line Item Acknowledgment	O	1	

LOOP ID - QTY				>1
3000	QTY	Quantity	O	1	

LOOP ID - N9				1000
3500	N9	Reference Identification	O	1	
3600	MTX	Text	O	>1	

LOOP ID - N9				1000
3500	N9	Reference Identification	O	1	
3600	MTX	Text	O	>1	

LOOP ID - N9				1000
3500	N9	Reference Identification	O	1	
3600	MTX	Text	O	>1	

LOOP ID - N9				1000
3500	N9	Reference Identification	O	1	
3600	MTX	Text	O	>1	

LOOP ID - N9				1000
3500	N9	Reference Identification	O	1	
3600	MTX	Text	O	>1	

LOOP ID - N1				200
3700	N1	Name	O	1	

LOOP ID - PO1				100000	
0100	PO1	Baseline Item Data - MULTIPLE MATCH	O	1	n3
0180	SI	Service Characteristic Identification	O	>1	

LOOP ID - ACK				104
2700	ACK	Line Item Acknowledgment	O	1	

LOOP ID - QTY				>1
3000	QTY	Quantity	O	1	

LOOP ID - N1				200
3700	N1	Name	O	1	
4100	REF	Reference Identification	O	12	
4250	SI	Service Characteristic Identification	O	>1	

Summary:

Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
		LOOP ID - CTT			1	

| | 0100 | CTT | Transaction Totals | O | 1 | n4 |
| M | 0300 | SE | Transaction Set Trailer | M | 1 | |

Transaction Set Notes

1. PO102 is required.
2. PO102 is required.
3. PO102 is required.
4. The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

	Segment:	**ST** Transaction Set Header
	Position:	0100
	Loop:	
	Level:	Heading
	Usage:	Mandatory
	Max Use:	1
	Purpose:	To indicate the start of a transaction set and to assign a control number
	Syntax Notes:	
	Semantic Notes:	**1** The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
		2 The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition.
	Comments:	
	Notes:	ST*855*TRAN SET CONTROL #

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	ST01	143	**Transaction Set Identifier Code**	M	**ID 3/3**
			Code uniquely identifying a Transaction Set		
			855 Purchase Order Acknowledgment		
M	ST02	329	**Transaction Set Control Number**	M	**AN 4/9**
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		
			TRAN SET CONTROL #		

	Segment:		# BAK Beginning Segment for Purchase Order Acknowledgment		
	Position:	0200			
	Loop:				
	Level:	Heading			
	Usage:	Mandatory			
	Max Use:	1			
	Purpose:	To indicate the beginning of the Purchase Order Acknowledgment Transaction Set and transmit identifying numbers and dates			
	Syntax Notes:				
	Semantic Notes:	**1** BAK04 is the date assigned by the purchaser to purchase order.			
		2 BAK08 is the seller's order number.			
		3 BAK09 is the date assigned by the sender to the acknowledgment.			
	Comments:				
	Notes:	BAK*11*AT*TXNUM(LR-2)*PO Date (See Trading Partner Access Information)			

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	**BAK01**	**353**	**Transaction Set Purpose Code**	M	**ID 2/2**
			Code identifying purpose of transaction set		
			11 Response		
M	**BAK02**	**587**	**Acknowledgment Type**	M	**ID 2/2**
			Code specifying the type of acknowledgment		
			AT Accepted		
M	**BAK03**	**324**	**Purchase Order Number**	M	**AN 1/22**
			Identifying number for Purchase Order assigned by the orderer/purchaser		
			TXNUM (LR-2) = Transaction Number		
M	**BAK04**	**373**	**Date**	M	**DT 8/8**
			Date expressed as CCYYMMDD		
			PO Date = Purchase Order Date (See Trading Partner Access Information)		

Segment: # DTM Date/Time Reference

Position: 1500
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:
1. At least one of DTM02 DTM03 or DTM05 is required.
2. If DTM04 is present, then DTM03 is required.
3. If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:
Comments:
Notes: DTM*097*D/TSENT{CCYYMMDD} (LR-3)*D/TSENT{HHMM} (LR-3)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			097 Transaction Creation	
	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
			D/TSENT {CCYYMMDD} (LR-3) = Date Sent	
	DTM03	337	Time	X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
			D/TSENT {HHMM} (LR-3) = Time Sent	

Segment: # SI Service Characteristic Identification

Position:	1850
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To specify service characteristic data
Syntax Notes:	1 If either SI04 or SI05 is present, then the other is required.
	2 If either SI06 or SI07 is present, then the other is required.
	3 If either SI08 or SI09 is present, then the other is required.
	4 If either SI10 or SI11 is present, then the other is required.
	5 If either SI12 or SI13 is present, then the other is required.
	6 If either SI14 or SI15 is present, then the other is required.
	7 If either SI16 or SI17 is present, then the other is required.
	8 If either SI18 or SI19 is present, then the other is required.
	9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:	
Comments:	1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:	SI*TI*IR*TXACT (LR-5)*IQ*TXTYP (LR-4)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	SI01	559	**Agency Qualifier Code**	M	**ID 2/2**
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	**Service Characteristics Qualifier**	M	**AN 2/2**
			Code from an industry code list qualifying the type of service characteristics		
			IR Transaction Activity		
M	SI03	234	**Product/Service ID**	M	**AN 1/48**
			Identifying number for a product or service		
			TXACT (LR-5) = Transaction Activity		
	SI04	1000	**Service Characteristics Qualifier**	X	**AN 2/2**
			Code from an industry code list qualifying the type of service characteristics		
			IQ Inquiry Type		
	SI05	234	**Product/Service ID**	X	**AN 1/48**
			Identifying number for a product or service		
			TXTYP (LR-4) = Transaction Type		

Segment:	**N1** Name
Position:	3000
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	1 At least one of N102 or N103 is required.
	2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
	2 N105 and N106 further define the type of entity in N101.
Notes:	N1*78*CCNA (LR-1)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	N101	98	**Entity Identifier Code**	M	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
			78 Service Requester		
	N102	93	**Name**	X	AN 1/60
			Free-form name		
			CCNA (LR-1) = Customer Carrier Name Abbreviation		

Segment:		**N1** Name			
Position:		3000			
Loop:		N1	Optional		
Level:		Heading			
Usage:		Optional			
Max Use:		1			
Purpose:		To identify a party by type of organization, name, and code			
Syntax Notes:		**1**	At least one of N102 or N103 is required.		
		2	If either N103 or N104 is present, then the other is required.		
Semantic Notes:					
Comments:		**1**	This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.		
		2	N105 and N106 further define the type of entity in N101.		
Notes:		N1*BY**25*CC (LR-6)			

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	**N101**	98	**Entity Identifier Code**	**M**	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			BY Buying Party (Purchaser)		
	N103	66	**Identification Code Qualifier**	**X**	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)		
			25 Carrier's Customer Code		
	N104	67	**Identification Code**	**X**	**AN 2/80**
			Code identifying a party or other code		
			CC (LR-6) = Company Code		

Segment:	**PO1** Baseline Item Data - NO MATCH or ERROR	
Position:	0100	
Loop:	PO1 Optional	
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify basic and most frequently used line item data	
Syntax Notes:	**1** If PO103 is present, then PO102 is required.	
	2 If PO105 is present, then PO104 is required.	
	3 If either PO106 or PO107 is present, then the other is required.	
	4 If either PO108 or PO109 is present, then the other is required.	
	5 If either PO110 or PO111 is present, then the other is required.	
	6 If either PO112 or PO113 is present, then the other is required.	
	7 If either PO114 or PO115 is present, then the other is required.	
	8 If either PO116 or PO117 is present, then the other is required.	
	9 If either PO118 or PO119 is present, then the other is required.	
	10 If either PO120 or PO121 is present, then the other is required.	
	11 If either PO122 or PO123 is present, then the other is required.	
	12 If either PO124 or PO125 is present, then the other is required.	

Semantic Notes:

Comments:
1 See the Data Element Dictionary for a complete list of IDs.
2 PO101 is the line item identification.
3 PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: PO1*n*1*EA***ZZ*BAD   [PO1 Loop will be used if RESPONSE (LR-7) = 'B' (No Match or Error)]

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
PO101	350	**Assigned Identification**	O	AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set		
		"n" = nth assigned ID within PO1 Loop		
PO102	330	**Quantity Ordered**	X	R 1/15
		Quantity ordered		
		1 Always One		
PO103	355	**Unit or Basis for Measurement Code**	O	ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		EA Each		
PO106	235	**Product/Service ID Qualifier**	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		ZZ Mutually Defined		
PO107	234	**Product/Service ID**	X	AN 1/48
		Identifying number for a product or service		
		"BAD"		

Segment: # ACK Line Item Acknowledgment

Position: 2700
Loop: ACK   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To acknowledge the ordered quantities and specify the ready date for a specific line item
Syntax Notes:
1 If either ACK02 or ACK03 is present, then the other is required.
2 If ACK04 is present, then ACK05 is required.
3 If either ACK07 or ACK08 is present, then the other is required.
4 If either ACK09 or ACK10 is present, then the other is required.
5 If either ACK11 or ACK12 is present, then the other is required.
6 If either ACK13 or ACK14 is present, then the other is required.
7 If either ACK15 or ACK16 is present, then the other is required.
8 If either ACK17 or ACK18 is present, then the other is required.
9 If either ACK19 or ACK20 is present, then the other is required.
10 If either ACK21 or ACK22 is present, then the other is required.
11 If either ACK23 or ACK24 is present, then the other is required.
12 If either ACK25 or ACK26 is present, then the other is required.
13 If either ACK27 or ACK28 is present, then the other is required.
14 If ACK28 is present, then both ACK27 and ACK29 are required.

Semantic Notes:
1 ACK29 Industry Reason Code may be used to identify the item status. In addition, it may be used in conjunction with ACK01 to further clarify the status.

Comments:
Notes: ACK*IR*************************TI*LISTING*RESPONSE (LR-7)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M ACK01	668	**Line Item Status Code**	M	**ID 2/2**
		Code specifying the action taken by the seller on a line item requested by the buyer		
		IR Item Rejected		
ACK27	559	**Agency Qualifier Code**	X	**ID 2/2**
		Code identifying the agency assigning the code values		
		TI Telecommunications Industry		
ACK28	822	**Source Subqualifier**	X	**AN 1/15**
		A reference that indicates the table or text maintained by the Source Qualifier		
		"LISTING"		
ACK29	1271	**Industry Code**	X	**AN 1/30**
		Code indicating a code from a specific industry code list		
		RESPONSE (LR-7) = Response		

Segment:	**QTY** Quantity			

Position: 3000
Loop: QTY   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: 1   At least one of QTY02 or QTY04 is required.
                2   Only one of QTY02 or QTY04 may be present.
Semantic Notes: 1   QTY04 is used when the quantity is non-numeric.
Comments:
Notes: QTY*03*ERRNUM (LR-51)*EA

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	QTY01	673	**Quantity Qualifier**	M	ID 2/2
			Code specifying the type of quantity		
			03 Discreet Quantity - Rejected Material		
	QTY02	380	**Quantity**	X	R 1/15
			Numeric value of quantity		
			ERRNUM (LR-51) = Number of Errors		
	QTY03	C001	**Composite Unit of Measure**	O	
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
M	C00101	355	**Unit or Basis for Measurement Code**	M	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			EA Each		

		Segment:	**N9** Reference Identification

Position:	3500
Loop:	N9 Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:	1 At least one of N902 or N903 is required.
	2 If N906 is present, then N905 is required.
	3 If either C04003 or C04004 is present, then the other is required.
	4 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	1 N906 reflects the time zone which the time reflects.
	2 N907 contains data relating to the value cited in N902.
Comments:	
Notes:	N9*1Q*ERRCODE (LR-52)*ERR [N9 Loop repeats ERRNUM (LR-51) times]

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	**N901**	128	**Reference Identification Qualifier**	M	**ID 2/3**
			Code qualifying the Reference Identification		
			1Q Error Identification Code		
			Qualifies a single number that describes an error found in application-level data		
	N902	127	**Reference Identification**	X	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			ERRCODE (LR-52) = Error Code		
	N903	369	**Free-form Description**	X	**AN 1/45**
			Free-form descriptive text		
			"ERR"		

Segment: # MTX Text

Position: 3600
Loop: N9   Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify textual data
Syntax Notes: 1   If MTX01 is present, then MTX02 is required.
2   If MTX03 is present, then MTX02 is required.
3   If MTX05 is present, then MTX04 is required.
Semantic Notes: 1   MTX05 is the number of lines to advance before printing.
Comments: 1   If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.
Notes: MTX**ERRMESG (LR-53)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
MTX02	1551	Message Text	X	AN 1/4096
		To transmit large volumes of message text		
		ERRMESG (LR-53) = Error Message		

Segment:	**PO1** Baseline Item Data - EXACT MATCH		

Position:	0100
Loop:	PO1 Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify basic and most frequently used line item data
Syntax Notes:	**1** If PO103 is present, then PO102 is required.
	2 If PO105 is present, then PO104 is required.
	3 If either PO106 or PO107 is present, then the other is required.
	4 If either PO108 or PO109 is present, then the other is required.
	5 If either PO110 or PO111 is present, then the other is required.
	6 If either PO112 or PO113 is present, then the other is required.
	7 If either PO114 or PO115 is present, then the other is required.
	8 If either PO116 or PO117 is present, then the other is required.
	9 If either PO118 or PO119 is present, then the other is required.
	10 If either PO120 or PO121 is present, then the other is required.
	11 If either PO122 or PO123 is present, then the other is required.
	12 If either PO124 or PO125 is present, then the other is required.
Semantic Notes:	
Comments:	**1** See the Data Element Dictionary for a complete list of IDs.
	2 PO101 is the line item identification.
	3 PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes:	PO1*n*1*EA***ZZ*GOOD*SH*RTY (LR-23)*LS*SO (LR-38) [PO1 Loop will be used if RESPONSE (LR-7) = 'G' (Exact Match)]

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
PO101	350	**Assigned Identification**	O	AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set		
		"n" = nth assigned ID within PO1 Loop		
PO102	330	**Quantity Ordered**	X	R 1/15
		Quantity ordered		
		1 Always One		
PO103	355	**Unit or Basis for Measurement Code**	O	ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		EA Each		
PO106	235	**Product/Service ID Qualifier**	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		ZZ Mutually Defined		
PO107	234	**Product/Service ID**	X	AN 1/48
		Identifying number for a product or service		
		"GOOD"		
PO108	235	**Product/Service ID Qualifier**	X	ID 2/2
		Code identifying the type/source of the descriptive number used in		

Product/Service ID (234)
SH	Service Requested		

A numeric or alphanumeric code from a list of services available to the customer

PO109   **234**   **Product/Service ID**   **X**   **AN 1/48**

Identifying number for a product or service

RTY (LR-23) = Record Type

PO110   **235**   **Product/Service ID Qualifier**   **X**   **ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

LS	Load Sequence		

PO111   **234**   **Product/Service ID**   **X**   **AN 1/48**

Identifying number for a product or service

SO (LR-38) = Sequence Override

| | | | **Segment:** | **SI** Service Characteristic Identification | | | |

Segment: **SI** Service Characteristic Identification

Position: 0180
Loop: PO1   Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify service characteristic data
Syntax Notes:
  1 If either SI04 or SI05 is present, then the other is required.
  2 If either SI06 or SI07 is present, then the other is required.
  3 If either SI08 or SI09 is present, then the other is required.
  4 If either SI10 or SI11 is present, then the other is required.
  5 If either SI12 or SI13 is present, then the other is required.
  6 If either SI14 or SI15 is present, then the other is required.
  7 If either SI16 or SI17 is present, then the other is required.
  8 If either SI18 or SI19 is present, then the other is required.
  9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:
Comments:
  1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:
SI*TI*BO*BRO (LR-28)
SI*TI*BR*TOA (LR-25)
SI*TI*DB*DIRIDL (LR-13)
SI*TI*DG*DOI (LR-26)
SI*TI*DN*DIRNAME (LR-12)
SI*TI*LE*LTY (LR-24)
SI*TI*NS*NSTN (LR-30)
SI*TI*TN*LTN (LR-8)
SI*TI*TW*STYC (LR-37)
SI*TI*TY*TOS (LR-11)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	SI01	559	**Agency Qualifier Code**	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	**Service Characteristics Qualifier**	M	AN 2/2
			Code from an industry code list qualifying the type of service characteristics		
			BO Business/Residence Placement Override		
			BR Directory Listings Type of Account		
			DB Directory Book Code		
			DG Degree of Indent		
			DN Directory Book Name		
			LE Listing Type		
			NS Non-Standard Telephone Number		
			TN Telephone Number		
			TW Style Code		
			TY Type of Service		
M	SI03	234	**Product/Service ID**	M	AN 1/48
			Identifying number for a product or service		

BRO (LR-28) = Business/Residence Placement Override
TOA (LR-25) = Type of Account
DIRIDL (LR-13) = Directory Identifier
DIRNAME (LR-12) = Directory Name
DOI (LR-26) = Degree of Indent
LTY (LR-24) = Listing Type
NSTN (LR-30) = Non-Standard Telephone Number
LTN (LR-8) = Listed Telephone Number
STYC (LR-37) = Style Code
TOS (LR-11) = Type of Service

	Segment:	**PID** Product/Item Description

Position:	0500
Loop:	PID Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID04 is required.
	5 If PID09 is present, then PID05 is required.
Semantic Notes:	1 Use PID03 to indicate the organization that publishes the code list being referred to.
	2 PID04 should be used for industry-specific product description codes.
	3 PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
	4 PID09 is used to identify the language being used in PID05.
Comments:	1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.
	3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	PID*S**TI*AO***SO-RSQ*AGAUTH (LR-16)
	PID*S**TI*AR***SO-RSQ*OMTN (LR-33)
	PID*S**TI*AT***SO-RSQ*ADI (LR-35)
	PID*S**TI*AX***SO-RSQ*NOSL (LR-34)
	PID*S**TI*AY***SO-RSQ*TMKT (LR-27)
	PID*S**TI*BA***SO-RSQ*PROF (LR-29)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	PID01	349	**Item Description Type**	M	ID 1/1
			Code indicating the format of a description		
			S Structured (From Industry Code List)		
	PID03	559	**Agency Qualifier Code**	X	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
	PID04	751	**Product Description Code**	X	AN 1/12
			A code from an industry code list which provides specific data about a product characteristic		
			AO Agency Authorization Status		
			AR Omit Telephone Number		
			AT Address Indicator		

		AX	No Solicitation Indicator		
		AY	Telemarketing		
		BA	Professional Identifier		
PID07	**822**	**Source Subqualifier**		**O**	**AN 1/15**

A reference that indicates the table or text maintained by the Source Qualifier

SO-RSQ   Service Order - Reseller Questions List

PID08	**1073**	**Yes/No Condition or Response Code**	**O**	**ID 1/1**

Code indicating a Yes or No condition or response

OMTN (LR-33) = Omit Telephone Number (TN)
   Y=(DWS: O-Omit)
   Blank=(DWS: Blank-Do Not Omit)

ADI (LR-35) = Address Indicator
   Y=(DWS: O-Omit in DA and Directory)
   Blank=(DWS: Blank-Do Not Omit)

TMKT (LR-27) = Telemarketing
   Y=(DWS: O-Omit from Telemarketing)
   Blank=(DWS: Blank-Do Not Omit]

AGAUTH (LR-16) = Agency Authorization Status
NOSL (LR-34) = No Solicitation Indicator
PROF (LR-29) = Professional Identifier

N   No
Y   Yes

Segment: # REF Reference Identification

Position:	1000
Loop:	PO1 Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify identifying information
Syntax Notes:	**1** At least one of REF02 or REF03 is required.
	2 If either C04003 or C04004 is present, then the other is required.
	3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	**1** REF04 contains data relating to the value cited in REF02.
Comments:	
Notes:	REF*LI*REF (LR-15)*REF
	REF*LI*ALI (LR-22)*ALI
	REF*RRS*NAME CONTROL (LR-14)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M REF01	128	**Reference Identification Qualifier**	**M**	**ID 2/3**
		Code qualifying the Reference Identification		
		LI Line Item Identifier (Seller's)		
		RRS Reconciliation Report Section Identification Code		
REF02	127	**Reference Identification**	**X**	**AN 1/30**
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
		REF (LR-15) = Reference		
		ALI (LR-22) = Alpha/Numeric Listing Identifier Code		
		NAME CONTROL (LR-14) = Name Control		
REF03	352	**Description**	**X**	**AN 1/80**
		A free-form description to clarify the related data elements and their content		
		"REF"		
		"ALI"		

Segment: **DTM** Date/Time Reference

Position:	2000
Loop:	PO1 Optional
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To specify pertinent dates and times
Syntax Notes:	1 At least one of DTM02 DTM03 or DTM05 is required.
	2 If DTM04 is present, then DTM03 is required.
	3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:	
Comments:	
Notes:	DTM*243*SCD (LR-9){CCYYMMDD}
	DTM*270*DATED (LR-17){CCYYMMDD}

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M DTM01	374	**Date/Time Qualifier**	M	**ID 3/3**
		Code specifying type of date or time, or both date and time		
		198 Completion		
		Date when the activity was completed		
		270 Date Filed		
DTM02	373	**Date**	X	**DT 8/8**
		Date expressed as CCYYMMDD		
		SCD (LR-9){CCYYMMDD} = Service Completion Date		
		DATED (LR-17){CCYYMMDD} = Date of Agency Authorization		

	Segment:	**ACK** Line Item Acknowledgment	

Segment: **ACK** Line Item Acknowledgment

Position: 2700
Loop: ACK   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To acknowledge the ordered quantities and specify the ready date for a specific line item
Syntax Notes:
1   If either ACK02 or ACK03 is present, then the other is required.
2   If ACK04 is present, then ACK05 is required.
3   If either ACK07 or ACK08 is present, then the other is required.
4   If either ACK09 or ACK10 is present, then the other is required.
5   If either ACK11 or ACK12 is present, then the other is required.
6   If either ACK13 or ACK14 is present, then the other is required.
7   If either ACK15 or ACK16 is present, then the other is required.
8   If either ACK17 or ACK18 is present, then the other is required.
9   If either ACK19 or ACK20 is present, then the other is required.
10 If either ACK21 or ACK22 is present, then the other is required.
11 If either ACK23 or ACK24 is present, then the other is required.
12 If either ACK25 or ACK26 is present, then the other is required.
13 If either ACK27 or ACK28 is present, then the other is required.
14 If ACK28 is present, then both ACK27 and ACK29 are required.
Semantic Notes:
1   ACK29 Industry Reason Code may be used to identify the item status. In addition, it may be used in conjunction with ACK01 to further clarify the status.
Comments:
Notes: ACK*IA*************************TI*LISTING*RESPONSE(LR-7)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	ACK01	668	**Line Item Status Code**	M	ID 2/2
			Code specifying the action taken by the seller on a line item requested by the buyer		
			IA Item Accepted		
	ACK27	559	**Agency Qualifier Code**	X	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
	ACK28	822	**Source Subqualifier**	X	AN 1/15
			A reference that indicates the table or text maintained by the Source Qualifier		
			"LISTING"		
	ACK29	1271	**Industry Code**	X	AN 1/30
			Code indicating a code from a specific industry code list		
			RESPONSE (LR-7) = Response		

	Segment:	**QTY** Quantity		

Position: 3000
Loop: QTY   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: **1** At least one of QTY02 or QTY04 is required.
      2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: **1** QTY04 is used when the quantity is non-numeric.
Comments:
Notes: QTY*31*DIRQTYA (LR-21)*DY

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	QTY01	673	**Quantity Qualifier**	M	ID 2/2
			Code specifying the type of quantity		
			31 Additional Demand Quantity		
	QTY02	380	**Quantity**	X	R 1/15
			Numeric value of quantity		
			DIRQTYA (LR-21) = Number of Directories for Annual Delivery		
	QTY03	C001	**Composite Unit of Measure**	O	
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
M	C00101	355	**Unit or Basis for Measurement Code**	M	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			DY Directory Books		
			Number of directory books delivered to customer		

Segment:	**N9** Reference Identification				

Position: 3500
Loop: N9   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Syntax Notes:
    1   At least one of N902 or N903 is required.
    2   If N906 is present, then N905 is required.
    3   If either C04003 or C04004 is present, then the other is required.
    4   If either C04005 or C04006 is present, then the other is required.

Semantic Notes:
    1   N906 reflects the time zone which the time reflects.
    2   N907 contains data relating to the value cited in N902.

Comments:
Notes: N9*82*PLA

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M **N901**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
		Code qualifying the Reference Identification		
	82	Data Item Description (DID) Reference		
		Specific data elements that the government will ask a contractor to provide and are spelled out in specific requirement documents		
N902	**127**	**Reference Identification**	**X**	**AN 1/30**
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
		"PLA"		

Segment:	**MTX** Text
Position:	3600
Loop:	N9 Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify textual data
Syntax Notes:	1 If MTX01 is present, then MTX02 is required.
	2 If MTX03 is present, then MTX02 is required.
	3 If MTX05 is present, then MTX04 is required.
Semantic Notes:	1 MTX05 is the number of lines to advance before printing.
Comments:	1 If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.
Notes:	MTX**PLA (LR-32)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
MTX02	1551	Message Text	X	AN 1/4096
		To transmit large volumes of message text		
		PLA (LR-32) = Place Listing As		

Segment:	**N9** Reference Identification				

Position: 3500
Loop: N9   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:
   1   At least one of N902 or N903 is required.
   2   If N906 is present, then N905 is required.
   3   If either C04003 or C04004 is present, then the other is required.
   4   If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
   1   N906 reflects the time zone which the time reflects.
   2   N907 contains data relating to the value cited in N902.
Comments:
Notes: N9*JD*LISTNAME

Data Element Summary

Ref. Des. Attributes	Data Element	Name			
M **N901**	128	**Reference Identification Qualifier**	**M**	**ID 2/3**	
		Code qualifying the Reference Identification			
		JD User Identification			
N902	127	**Reference Identification**	**X**	**AN 1/30**	
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
		"LISTNAME"			

Segment:	**MTX** Text	
Position:	3600	
Loop:	N9 Optional	
Level:	Detail	
Usage:	Optional	
Max Use:	>1	
Purpose:	To specify textual data	
Syntax Notes:	1	If MTX01 is present, then MTX02 is required.
	2	If MTX03 is present, then MTX02 is required.
	3	If MTX05 is present, then MTX04 is required.
Semantic Notes:	1	MTX05 is the number of lines to advance before printing.
Comments:	1	If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.
Notes:	MTX**LISTNM (LR-31)	

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
MTX02	1551	Message Text	X	AN 1/4096
		To transmit large volumes of message text		
		LISTNM (LR-31) = Listed Name		

	Segment:	**N9** Reference Identification
	Position:	3500
	Loop:	N9 Optional
	Level:	Detail
	Usage:	Optional
	Max Use:	1
	Purpose:	To transmit identifying information as specified by the Reference Identification Qualifier
	Syntax Notes:	1 At least one of N902 or N903 is required.
		2 If N906 is present, then N905 is required.
		3 If either C04003 or C04004 is present, then the other is required.
		4 If either C04005 or C04006 is present, then the other is required.
	Semantic Notes:	1 N906 reflects the time zone which the time reflects.
		2 N907 contains data relating to the value cited in N902.
	Comments:	
	Notes:	N9*JD*LIST ADDRESS

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	N901	128	**Reference Identification Qualifier**	M	**ID 2/3**
			Code qualifying the Reference Identification		
			JD User Identification		
	N902	127	**Reference Identification**	X	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			"LIST ADDRESS"		

Segment:	**MTX** Text
Position:	3600
Loop:	N9 Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify textual data
Syntax Notes:	1 If MTX01 is present, then MTX02 is required.
	2 If MTX03 is present, then MTX02 is required.
	3 If MTX05 is present, then MTX04 is required.
Semantic Notes:	1 MTX05 is the number of lines to advance before printing.
Comments:	1 If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.
Notes:	MTX**LISTADR (LR-36)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
MTX02	1551	Message Text	X	AN 1/4096
		To transmit large volumes of message text		
		LISTADR (LR-36) = Listed Address		

	Segment:	**N9** Reference Identification
	Position:	3500
	Loop:	N9 Optional
	Level:	Detail
	Usage:	Optional
	Max Use:	1
	Purpose:	To transmit identifying information as specified by the Reference Identification Qualifier
	Syntax Notes:	1 At least one of N902 or N903 is required.
		2 If N906 is present, then N905 is required.
		3 If either C04003 or C04004 is present, then the other is required.
		4 If either C04005 or C04006 is present, then the other is required.
	Semantic Notes:	1 N906 reflects the time zone which the time reflects.
		2 N907 contains data relating to the value cited in N902.
	Comments:	
	Notes:	N9*LU*SERVICE ADDRESS

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M **N901**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
		Code qualifying the Reference Identification		
		LU Location Number		
N902	**127**	**Reference Identification**	**X**	**AN 1/30**
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
		"SERVICE ADDRESS"		

Segment:	**MTX** Text
Position:	3600
Loop:	N9 Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify textual data
Syntax Notes:	1 If MTX01 is present, then MTX02 is required.
	2 If MTX03 is present, then MTX02 is required.
	3 If MTX05 is present, then MTX04 is required.
Semantic Notes:	1 MTX05 is the number of lines to advance before printing.
Comments:	1 If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.
Notes:	MTX**SERVADR (LR-19)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
MTX02	1551	**Message Text**	X	AN 1/4096
		To transmit large volumes of message text		
		SERVADR (LR-19) = Service Address		

		Segment:	**N9** Reference Identification

Position: 3500
Loop: N9 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Syntax Notes:
1. At least one of N902 or N903 is required.
2. If N906 is present, then N905 is required.
3. If either C04003 or C04004 is present, then the other is required.
4. If either C04005 or C04006 is present, then the other is required.

Semantic Notes:
1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

Comments:

Notes: N9*KK*DELIVERY ADDRESS

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M **N901**	128	**Reference Identification Qualifier**	**M**	**ID 2/3**
		Code qualifying the Reference Identification		
		KK Delivery Reference		
N902	127	**Reference Identification**	**X**	**AN 1/30**
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
		"DELIVERY ADDRESS"		

Segment:	**MTX** Text
Position:	3600
Loop:	N9 Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify textual data
Syntax Notes:	1 If MTX01 is present, then MTX02 is required.
	2 If MTX03 is present, then MTX02 is required.
	3 If MTX05 is present, then MTX04 is required.
Semantic Notes:	1 MTX05 is the number of lines to advance before printing.
Comments:	1 If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.
Notes:	MTX**DELIVERY ADDRESS (LR-20)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
MTX02	1551	Message Text	X	AN 1/4096
		To transmit large volumes of message text		
		DELIVERY ADDRESS (LR-20) = Delivery Address		

	Segment:	**N1** Name		

Position: 3700
Loop: N1   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:
1. At least one of N102 or N103 is required.
2. If either N103 or N104 is present, then the other is required.

Semantic Notes:
Comments:
1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

Notes: N1*AN*AUTHNM (LR-18)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M	N101	98	**Entity Identifier Code**	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			AN Authorized From	
			A geographic location designated as an authorized pick-up or origin point for a shipment	
	N102	93	**Name**	X AN 1/60
			Free-form name	
			AUTHNM (LR-18) = Authorization Name	

Segment:	**PO1** Baseline Item Data - MULTIPLE MATCH		

Position:	0100
Loop:	PO1 Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify basic and most frequently used line item data
Syntax Notes:	**1** If PO103 is present, then PO102 is required.
	2 If PO105 is present, then PO104 is required.
	3 If either PO106 or PO107 is present, then the other is required.
	4 If either PO108 or PO109 is present, then the other is required.
	5 If either PO110 or PO111 is present, then the other is required.
	6 If either PO112 or PO113 is present, then the other is required.
	7 If either PO114 or PO115 is present, then the other is required.
	8 If either PO116 or PO117 is present, then the other is required.
	9 If either PO118 or PO119 is present, then the other is required.
	10 If either PO120 or PO121 is present, then the other is required.
	11 If either PO122 or PO123 is present, then the other is required.
	12 If either PO124 or PO125 is present, then the other is required.
Semantic Notes:	
Comments:	**1** See the Data Element Dictionary for a complete list of IDs.
	2 PO101 is the line item identification.
	3 PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes:	PO1*n*1*EA***ZZ*MULTIPLE [PO1 Loop will be used if RESPONSE (LR-7) = 'M']

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
PO101	350	**Assigned Identification**	O	AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set		
		"n" = nth assigned ID within PO1 Loop		
PO102	330	**Quantity Ordered**	X	R 1/15
		Quantity ordered		
		1 Always One		
PO103	355	**Unit or Basis for Measurement Code**	O	ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		EA Each		
PO106	235	**Product/Service ID Qualifier**	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		ZZ Mutually Defined		
PO107	234	**Product/Service ID**	X	AN 1/48
		Identifying number for a product or service		
		"MULTIPLE"		

	Segment:	**SI** Service Characteristic Identification

Position:	0180
Loop:	PO1 Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify service characteristic data
Syntax Notes:	1 If either SI04 or SI05 is present, then the other is required.
	2 If either SI06 or SI07 is present, then the other is required.
	3 If either SI08 or SI09 is present, then the other is required.
	4 If either SI10 or SI11 is present, then the other is required.
	5 If either SI12 or SI13 is present, then the other is required.
	6 If either SI14 or SI15 is present, then the other is required.
	7 If either SI16 or SI17 is present, then the other is required.
	8 If either SI18 or SI19 is present, then the other is required.
	9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:	
Comments:	1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:	SI*TI*TN*LTN (LR-40)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	SI01	559	**Agency Qualifier Code**	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	**Service Characteristics Qualifier**	M	AN 2/2
			Code from an industry code list qualifying the type of service characteristics		
			TN Telephone Number		
M	SI03	234	**Product/Service ID**	M	AN 1/48
			Identifying number for a product or service		
			LTN (LR-40) = Telephone Number		

	Segment:	**ACK** Line Item Acknowledgment	

Segment: **ACK** Line Item Acknowledgment

Position: 2700
Loop: ACK   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To acknowledge the ordered quantities and specify the ready date for a specific line item
Syntax Notes:
  1 If either ACK02 or ACK03 is present, then the other is required.
  2 If ACK04 is present, then ACK05 is required.
  3 If either ACK07 or ACK08 is present, then the other is required.
  4 If either ACK09 or ACK10 is present, then the other is required.
  5 If either ACK11 or ACK12 is present, then the other is required.
  6 If either ACK13 or ACK14 is present, then the other is required.
  7 If either ACK15 or ACK16 is present, then the other is required.
  8 If either ACK17 or ACK18 is present, then the other is required.
  9 If either ACK19 or ACK20 is present, then the other is required.
  10 If either ACK21 or ACK22 is present, then the other is required.
  11 If either ACK23 or ACK24 is present, then the other is required.
  12 If either ACK25 or ACK26 is present, then the other is required.
  13 If either ACK27 or ACK28 is present, then the other is required.
  14 If ACK28 is present, then both ACK27 and ACK29 are required.
Semantic Notes:
  1 ACK29 Industry Reason Code may be used to identify the item status. In addition, it may be used in conjunction with ACK01 to further clarify the status.
Comments:
Notes: ACK*IA*************************TI*LISTING*RESPONSE (LR-7)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M **ACK01**	**668**	**Line Item Status Code**	**M**	**ID 2/2**
		Code specifying the action taken by the seller on a line item requested by the buyer		
		IA Item Accepted		
ACK27	**559**	**Agency Qualifier Code**	**X**	**ID 2/2**
		Code identifying the agency assigning the code values		
		TI Telecommunications Industry		
ACK28	**822**	**Source Subqualifier**	**X**	**AN 1/15**
		A reference that indicates the table or text maintained by the Source Qualifier		
		"LISTING"		
ACK29	**1271**	**Industry Code**	**X**	**AN 1/30**
		Code indicating a code from a specific industry code list		
		RESPONSE (LR-7) = Response		

	Segment:	**QTY** Quantity	

Position: 3000
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: 1 At least one of QTY02 or QTY04 is required.
2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: 1 QTY04 is used when the quantity is non-numeric.
Comments:
Notes: QTY*95*MATCHQTY (LR-39)*EA

Data Element Summary

	Ref. Des. **Attributes**	Data Element	**Name**		
M	QTY01	673	**Quantity Qualifier**	M	**ID 2/2**
			Code specifying the type of quantity		
			95 Data Storage Quantity		
			Number of storage units used		
	QTY02	380	**Quantity**	X	**R 1/15**
			Numeric value of quantity		
			MATCHQTY (LR-39) = Number of Multiple Match Number		
	QTY03	C001	**Composite Unit of Measure**	O	
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
M	C00101	355	**Unit or Basis for Measurement Code**	M	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			EA Each		

			Segment:	**N1** Name		

Segment: **N1** Name

Position:	3700
Loop:	N1 Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	1 At least one of N102 or N103 is required.
	2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
	2 N105 and N106 further define the type of entity in N101.
Notes:	N1*IT*LISTING QTY [N1 Loop repeats MATCHQTY (LR-39) times]

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	**N101**	98	**Entity Identifier Code**	M	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			IT Installation on Site		
	N102	93	**Name**	X	**AN 1/60**
			Free-form name		
			"LISTING QTY"		

			Segment:	**REF** Reference Identification		

Position: 4100
Loop: N1   Optional
Level: Detail
Usage: Optional
Max Use: 12
Purpose: To specify identifying information
Syntax Notes: 1   At least one of REF02 or REF03 is required.
　　　　　　　 2   If either C04003 or C04004 is present, then the other is required.
　　　　　　　 3   If either C04005 or C04006 is present, then the other is required.
Semantic Notes: 1   REF04 contains data relating to the value cited in REF02.
Comments:
Notes:
> REF*FI*FCC (LR-50)
> REF*ACB*REGION (LR-49)
> REF*LI*REF (LR-45)*REF
> REF*LI*ALI (LR-46)*ALI
> REF*RRS*NAME CONTROL (LR-44)
> REF*TA*TMF CODE (LR-48)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M REF01	128	**Reference Identification Qualifier**	M	ID 2/3
		Code qualifying the Reference Identification		
		ACB　　　　　　　Region		
		FI　　　　　　　　File Identifier		
		LI　　　　　　　　Line Item Identifier (Seller's)		
		RRS　　　　　　　Reconciliation Report Section Identification Code		
		TA　　　　　　　Telecommunication Circuit Supplemental ID		
REF02	127	**Reference Identification**	X	AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
		FCC (LR-50) = File Control Code		
		REGION (LR-49) = Region		
		REF (LR-45) = Reference		
		ALI (LR-46) = Alpha/Numeric Listing Identifier Code		
		NAME CONTROL (LR-44) = Name Control		
		TMF CODE (LR-48) = Telephone Master File Code		
REF03	352	**Description**	X	AN 1/80
		A free-form description to clarify the related data elements and their content		
		"REF"		
		"ALI"		

Segment: # SI Service Characteristic Identification

Position:	4250
Loop:	N1 Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify service characteristic data
Syntax Notes:	1 If either SI04 or SI05 is present, then the other is required.
	2 If either SI06 or SI07 is present, then the other is required.
	3 If either SI08 or SI09 is present, then the other is required.
	4 If either SI10 or SI11 is present, then the other is required.
	5 If either SI12 or SI13 is present, then the other is required.
	6 If either SI14 or SI15 is present, then the other is required.
	7 If either SI16 or SI17 is present, then the other is required.
	8 If either SI18 or SI19 is present, then the other is required.
	9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:	
Comments:	1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:	SI*TI*DB*DIRIDL (LR-43)
	SI*TI*DN*DIRNAME (LD-42)
	SI*TI*RE*REC TYPE (LR-41)
	SI*TI*TW*STYC (LR-47)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	SI01	559	**Agency Qualifier Code**	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	**Service Characteristics Qualifier**	M	AN 2/2
			Code from an industry code list qualifying the type of service characteristics		
			DB Directory Book Code		
			DN Directory Book Name		
			RE Requisition Type		
			TW Style Code		
M	SI03	234	**Product/Service ID**	M	AN 1/48
			Identifying number for a product or service		
			DIRIDL (LR-43) = Directory Identifier		
			DIRNAME (LR-42) = Directory Name		
			REC TYPE (LR-41) = Record Type		
			STYC (LR-47) = Style Code		

			Segment:	**CTT** Transaction Totals		

Segment: **CTT** Transaction Totals

Position:	0100
Loop:	CTT Optional
Level:	Summary
Usage:	Optional
Max Use:	1
Purpose:	To transmit a hash total for a specific element in the transaction set
Syntax Notes:	**1** If either CTT03 or CTT04 is present, then the other is required.
	2 If either CTT05 or CTT06 is present, then the other is required.
Semantic Notes:	
Comments:	**1** This segment is intended to provide hash totals to validate transaction completeness and correctness.
Notes:	CTT*Number of PO1 Segments

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M **CTT01**	**354**	**Number of Line Items**	**M**	**N0 1/6**
		Total number of line items in the transaction set		

Segment: **SE** **Transaction Set Trailer**

Position:	0300
Loop:	
Level:	Summary
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
Syntax Notes:	
Semantic Notes:	
Comments:	1 SE is the last segment of each transaction set.
Notes:	SE*No of Segments*TRAN SET CONTROL #

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	SE01	96	**Number of Included Segments**	M	N0 1/10
			Total number of segments included in a transaction set including ST and SE segments		
M	SE02	329	**Transaction Set Control Number**	M	AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		