

# EEL/UNE Combination

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## 42. EEL/UNE Combination

### 42.1 Business Description

EEL/UNE Combination is a combination of loop and dedicated interoffice transport UNEs, and it may also be a multiplexed dedicated transport circuit that carries loop-transport EEL/UNE Combinations. EEL/UNE Combination may also include concentration capabilities. EEL/UNE Combination transport and loop facilities may utilize DS0, DS1, DS3 or other existing bandwidths. The EEL/UNE Combination loop facility is referred to as a "link."

EEL/UNE Combination provides the CLEC with the ability to access end users not located in the same Qwest Serving Wire Center co-located by or otherwise connected to the CLEC. EEL/UNE Combination may not cross LATAs.

The following forms will be used between Qwest and the CLEC for EEL/UNE Combination ordering purposes:

- LSR - Local Service Request
- RPL - Resale Private Line Information

The following Order Activity Matrices define the available Order and Line Activities for EEL/UNE Combination:

#### Business Rules for Combining Order and Line Activity for EEL/UNE Combination

Req Type	ACT	Definition	Application	LNA *	Forms required
MB	N	New Installation	New installation of EEL service.	PRILOC = N SECLOC = N	LSR, RPL
	D	Disconnect	Disconnect all services at the account level.	Not Applicable	LSR, RPL
	W	Conversion As Is	Conversion of Retail Private Line to EEL with no changes to product or service.	Not Applicable	LSR, RPL
	V	Conversion As Specified	A 'conversion as specified' is the conversion of an existing EEL service offered at the DSO level. The end user address of the EEL service must remain the same. Change from existing EEL service from one CLEC to another.	PRILOC = V SECLOC = V	LSR, RPL

Req Type	ACT	Definition	Application	LNA *	Forms required
MB	Z	Conversion As Specified, No Directory Listing	Not Allowed	Not Applicable	
	C	Change	Change to an existing EEL service such as, add/remove features, and change billing information.	PRILOC = C SECLOC = C	LSR, RPL
	T	Outside Move	Outside move of an existing EEL end user location.	PRILOC = N SECLOC = N	LSR, RPL
	L	Seasonal Suspend	Not Allowed	Not Applicable	
	Y	Deny	Not Allowed	Not Applicable	
	B	Restore	Not Allowed	Not Applicable	
	R	Record	Not Allowed	Not Applicable	
	M	Inside Move	Inside move on an existing EEL end user location	PRILOC = C SECLOC = C	LSR, RPL

\* PRILOC is the Primary Location, SECLOC is the Secondary Location

Line Activity

LNA	Definition	Application
N	New Line	New line installation.
D	Disconnect	Disconnect all services at the account level.
V	Conversion As Specified	A conversion of a line to the LSP where all attributes of the service are specified.
C	Line Change	A change to a line with only the changed fields populated. A change could additionally be supported by NC/NCI entries on the LSR form.
All other LNA	Not Allowed	

## **42.2 Business Model**

See Appendix H

## **42.3 Developer Worksheets**

See Appendices C – Developer Worksheets - Order

## 42.4 Trading Partner Access Information

ORDERING FUNCTION	PRODUCT ID
EEL/UNE COMBINATION Service Request	850EEL
EEL/UNE COMBINATION Service Request Supplemental	860EEL
Status Update – Auto Push	855SU
Firm Order Confirmation	855FOC
Firm Order Confirmation for Supplemental	865FOC
Non Fatal Error Response	855NF
Non Fatal Error Response on Supplemental	865NF
Fatal Error Response	855FATAL
Fatal Error Response on Supplemental	865FATAL
Jeopardy	865JEOP
Completion	865COMP

### Order Submittal

The process begins with an EDI Trading Partner Access Information being passed between Qwest and the Co-Provider. The order request is transmitted by the Co-Provider via the EDI 850/860 format. Qwest will translate and forward the data to the internal application system. The request may activate the following responses:

- Firm Order Confirmation (FOC) - an indicator to the Co-Provider that the order has been accepted and successfully entered into the Qwest Service Order Processor systems.
- Order Completion - notification returned to the Co-Provider when a service request is completed.
- Error/Jeopardy Notification - notification to the Co-Provider of Fatal and/or Non-Fatal errors, detected either manually or by the system. Fatal errors prevent the order from processing. Non-Fatal errors occur after the order has successfully processed through the IMA system. Jeopardy Notifications will be issued if Qwest has a problem meeting the commitment on the local service request.

#### 42.4.1 OVERVIEW: Qwest Specific Functional Group Envelope - Routing Information

Separate maps have been created per ordering function. 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.

## 42.4.2 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	<b>Spaces</b> (Authorization information)	<b>Spaces</b> (Authorization information)
ISA03	'00' (No Security information is present)	'00' (No Security information is present)
ISA04	<b>Spaces</b> (Security Information)	<b>Spaces</b> (Security information)
ISA05	Co-Provider TP qualifier	'ZZ' (Mutually Defined)
ISA06	Co-Provider TP ID	'QWESTO' (Note: This Trading partner ID is used only for QWEST order and post-order transactions. The "O" is the unique identifier.)
ISA07	'ZZ' (Mutually Defined)	Co-Provider TP qualifier
ISA08	'QWESTO' (Note: This Trading partner ID is used only for QWEST order and post-order transactions. The "O" 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)



#### 42.4.3 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	<b>SEE GS TABLE BELOW</b>	<b>SEE GS TABLE BELOW</b>
GS02	<u>Co-Provider TP ID</u>	<b>SEE GS TABLE BELOW</b>
GS03	<b>SEE GS TABLE BELOW</b>	<i>Co-Provider TP ID</i>
GS04	<i>Date of the functional group. CCYYMMDD</i>	<i>Date of the functional group. CCYYMMDD</i>
GS05	<i>Time of the functional group. HHMM (24 hour clock)</i>	<i>Time of the functional group. HHMM (24 hour clock)</i>
GS06	<i>Sender's translator assigned sequential control number</i>	<i>Sender's translator assigned sequential control number</i>
GS07	<b>'X'</b> (Accredited Standards Committee X-12)	<b>'X'</b> (Accredited Standards Committee X-12)
GS08	<b>'004020'</b> (Version)	<b>'004020'</b> (Version)

##### GS Table

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

ORDERING FUNCTION	Qwest SEND/ RECEIVE	DOCUMENT	GS01 VALUE	GS02 VALUE	GS03 VALUE
Service Request	Receive	850EEL	PO	<i>Co-Provider TP ID</i>	<b>EEL90</b>
Status Update – Auto Push	Send	855SU	PR	<b>SU90</b>	<i>Co-Provider TP ID</i>
Firm Order Confirmation	Send	855FOC	PR	<b>FOC90</b>	<i>Co-Provider TP ID</i>
Non Fatal Error Response	Send	855NF	PR	<b>NF990</b>	<i>Co-Provider TP ID</i>
Fatal Error Response	Send	855FATAL	PR	<b>FATAL90</b>	<i>Co-Provider TP ID</i>
Jeopardy	Send	865JEOP	CA	<b>JEOP90</b>	<i>Co-Provider TP ID</i>
Completion	Send	865COMP	CA	<b>COMP90</b>	<i>Co-Provider TP ID</i>

## Supplemental Order

Once an order has been initiated and received by Qwest the Co-Provider may submit an 860 Purchase Order Change Request to cancel, correct, or change the original order. In response to receiving the 860 request from the Co-Provider, Qwest will transmit Functional Acknowledgments (997) and Purchase Order Change Acknowledgments (865).

### GS Table (Supplemental)

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

ORDERING FUNCTION	Qwest SEND/ RECEIVE	DOCUMENT	GS01 VALUE	GS02 VALUE	GS03 VALUE
Supplemental	Receive	860EEL	PC	<i>Co-Provider TP ID</i>	<b>EEL90</b>
Status Update – Auto Push	Send	855SU	PR	<b>SU90</b>	<i>Co-Provider TP ID</i>
Firm Order Confirmation	Send	865FOC	CA	<b>FOC90</b>	<i>Co-Provider TP ID</i>
Non Fatal Error Response	Send	865NF	CA	<b>NF90</b>	<i>Co-Provider TP ID</i>
Fatal Error Response	Send	865FATAL	CA	<b>FATAL90</b>	<i>Co-Provider TP ID</i>
Jeopardy	Send	865JEOP	CA	<b>JEOP90</b>	<i>Co-Provider TP ID</i>
Completion	Send	865COMP	CA	<b>COMP90</b>	<i>Co-Provider TP ID</i>

## 42.4.4 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

### Qwest Specific Fields

Order fields that are specific to the Qwest implementation were added to selected OBF forms and are indicated by an alpha following the field number, i.e., EU-19a (AHN). These fields are not defined in the OBF form for the corresponding LSOG issue.

### 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).

### Industry Standards Table:

OBF FORM	OBF ISSUE	EDI SOSC ISSUE	X12 STANDARD
Local Service Request	LSOG 5	ELMS 5	004020
Resale Private Line	LSOG 5, LSOG 3 (When Applicable)	ELMS 5	004020
Status Updates			004020
Firm Order Confirmation			004020
Non Fatal Error Response			004020
Fatal Error Response			004020

Jeopardy			004020
Completion			004020

## 42.5 Mapping Examples

### 42.5.1 850 EEL/UNE Combination Service Request (850EEL) – Version 4020

Legend of Symbols in this transaction example

Symbol/Definition	Example
{ } = Valid Format	{CCYYMMDD}
<b>Bold/Italics</b> = Developer's Worksheet Element	<b>PON</b>
Superscript = Developer's Worksheet Ref # DWS used in this mapping example:  LSR = Local Service Request RPL = Resale Private Line	<sup>LSR-2</sup>
<i>Italics</i> = Literal	<i>GOOD</i>
<u>Underline</u> = Apply code conversion, used with <b>Bold/Italics</b> . Code conversion tables can be found in the data dictionary of this disclosure.	<u><b>ACT</b></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\*00\*SS\***PON**<sup>LSR-2</sup>\*\*PO Date(See Trading Partner Access Information)  
 REF\*11\***AN**<sup>LSR-7</sup>\***AN**  
 REF\*JB\***PROJECT**<sup>LSR-20</sup>  
 REF\*SU\***RTR**<sup>LSR-28</sup>\***RTR**  
 REF\*CO\***RPON**<sup>LSR-51</sup>\***RPON**  
 REF\*12\***BAN1**<sup>LSR-61</sup>\***BAN1**  
 REF\*1V\***RORD**<sup>LSR-52</sup>\***RORD**  
 PAM\*48\***PG\_of**<sup>LSR-10</sup>(1<sup>st</sup> 2 Bytes)\*EA  
 PAM\*47\***PG\_of**<sup>LSR-10</sup>(2<sup>nd</sup> 2 Bytes)\*EA  
 PAM\*QO\***RSQTY**<sup>RPL-5</sup>\*EA  
 PAM\*KC\***DQTY**<sup>RPL-6</sup>\*EA  
 PAM\*1Q\***SECLOCQTY**<sup>RPL-41a</sup>\*EA  
 PAM\*1R\***SECLOCSERVDETQTY**<sup>RPL-108a</sup>\*EA  
 SAC\*N\*\*TI\*EXP [If this segment appears then **EXP**<sup>LSR-26</sup> = "Y"]  
 SAC\*N\*\*TI\*VT\*\*\*\*\***VTA**<sup>LSR-80</sup>  
 SAC\*N\*\*TI\*EEH [If this segment appears then **AENG**<sup>LSR-32</sup> = "Y"]  
 SAC\*N\*\*TI\*OAC [If this segment appears then **ALBR**<sup>LSR-33</sup> = "Y"]  
 DTM\*097\***D/TSENT**{CCYYMMDD}<sup>LSR-12</sup>\***D/TSENT**{HHMM}<sup>LSR-12</sup>  
 DTM\*150\***DDD**{CCYYMMDD}<sup>LSR-14</sup>  
 DTM\*270\***DATED**{CCYYMMDD}<sup>LSR-36</sup>  
 SI\*TI\*RE\***REQTY**<sup>LSR-23</sup>  
 SI\*TI\*AA\***ACT**<sup>LSR-24</sup>  
 SI\*TI\*TY\***TOS**<sup>LSR-44</sup>  
 SI\*TI\*NC\***NC**<sup>LSR-46</sup>

SI\*TI\*NJ\***NCI**<sup>LSR-48</sup>  
 SI\*TI\*NJ\***SECNCI**<sup>LSR-50</sup>  
 PID\*S\*\*TI\*AO\*\*\*SO-RSQ\***AGAUTH**<sup>LSR-35</sup>  
 PID\*S\*\*TI\*BI\*\*\*SO-RSQ\***FBI**<sup>RPL-76</sup>  
 PID\*S\*\*TI\*PENDING\*\*\*SO-RSQ\***PENDING ORDER**<sup>LSR-108b</sup>  
 PWK\*DW\*NS\*1\*DG\*91\***DRC**<sup>LSR-98</sup>  
 N9\*H7\*ORI\*LSR\*\*\*2W>**MANUAL IND**<sup>LSR-108a</sup>  
 MTX\*\***REMARKS**<sup>LSR-108</sup>  
 N1\*78\***CCNA**<sup>LSR-1</sup>  
 PER\*AG\***INT**<sup>LSR-81</sup>\*TE\***TEL NO**<sup>LSR-82</sup>\*FX\***FAX NO**<sup>LSR-84</sup>\*EM\***EMAIL**<sup>LSR-83</sup>  
 PER\*CN\***IMPCON**<sup>LSR-91</sup>\*TE\***TEL NO**<sup>LSR-92</sup>\*BN\***PAGER**<sup>LSR-93</sup>  
 PER\*AL\***ALT IMPCON**<sup>LSR-94</sup>\*TE\***TEL NO**<sup>LSR-95</sup>\*BN\***PAGER**<sup>LSR-96</sup>  
 N1\*AN\***AUTHNM**<sup>LSR-37</sup>  
 N1\*DG\***DSGCON**<sup>LSR-97</sup>  
 PER\*DE\*\*TE\***TEL NO**<sup>LSR-99</sup>\*FX\***FAX NO**<sup>LSR-100</sup>  
 N1\*X1\***BILLNM**<sup>RPL-77</sup>  
 N2\***SBILLNM**<sup>RPL-78</sup>  
 N4\*\***STATE**<sup>RPL-83</sup>\***ZIP**<sup>RPL-84</sup>  
 NX2\*01\***SANO**<sup>RPL-79b</sup>  
 NX2\*02\***SASN**<sup>RPL-79e</sup>  
 NX2\*03\***SASD**<sup>RPL-79d</sup>  
 NX2\*07\***CITY**<sup>RPL-82</sup>  
 NX2\*32\***FLOOR**<sup>RPL-80</sup>  
 NX2\*35\***ROOM/MAIL STOP**<sup>RPL-81</sup>  
 NX2\*40\***SASS**<sup>RPL-79g</sup>  
 NX2\*59\***SAPR**<sup>RPL-79a</sup>  
 NX2\*61\***SASF**<sup>RPL-79c</sup>  
 NX2\*62\***SATH**<sup>RPL-79f</sup>  
 PER\*BI\***BILLCON**<sup>RPL-85</sup>\*TE\***TEL NO**<sup>RPL-86</sup>  
 SI\*TI\*AF\***AFT**<sup>RPL-78a</sup>

### Primary Location Section

PO1\*n\*1\*EA\*\*\*ZZ\***RPL\_PLS**  
 SI\*TI\*LT\*02 (designates "primary")  
 SI\*TI\*LS\***RLSO**<sup>RPL-26</sup>  
 SI\*TI\*IW\***IWO**<sup>RPL-35</sup>  
 PID\*S\*\*TI\*ANV\*\*\*SO-RSQ\***ANV**<sup>RPL-10b</sup>  
 REF\*IX\***LOCNUM**<sup>RPL-9</sup>\***LOCNUM**  
 N9\*H7\*LOC\*AAI  
 MTX\*\***AAI**<sup>RPL-25</sup>  
 N9\*L1\*ALOC\***RPLPRI**  
 MTX\*\***ALOC**<sup>RPL-30</sup>  
 N9\*L1\*ACC\***RPLPRI**  
 MTX\*\***ACC**<sup>RPL-39</sup>  
 N1\*IT\***PRILOC**<sup>RPL-10</sup>\*93\***LIT**<sup>RPL-8</sup>  
 N2\***NAME**<sup>RPL-10a</sup>  
 N4\*\***STATE**<sup>RPL-28</sup>\***ZIP**<sup>RPL-29</sup>\*\*RJ\***CALA**<sup>RPL-29a</sup>  
 NX2\*01\***SANO**<sup>RPL-13</sup>  
 NX2\*02\***SASN**<sup>RPL-16</sup>  
 NX2\*03\***SASD**<sup>RPL-15</sup>  
 NX2\*05\***BOX**<sup>RPL-26c</sup>  
 NX2\*06\***ROUTE**<sup>RPL-26b</sup>  
 NX2\*07\***CITY**<sup>RPL-27</sup>  
 NX2\*39\***AHN**<sup>RPL-26a</sup>  
 NX2\*40\***SASS**<sup>RPL-18</sup>

NX2\*59\***SAPR**<sup>RPL-12</sup>  
 NX2\*61\***SASF**<sup>RPL-14</sup>  
 NX2\*62\***SATH**<sup>RPL-17</sup>  
 NX2\***LD1**<sup>RPL-19</sup>\***LV1**<sup>RPL-20</sup>  
 NX2\***LD2**<sup>RPL-21</sup>\***LV2**<sup>RPL-22</sup>  
 NX2\***LD3**<sup>RPL-23</sup>\***LV3**<sup>RPL-24</sup>  
 PER\*CA\***LCON**<sup>RPL-31</sup>\*TE\***ACTEL NO**<sup>RPL-32</sup>  
 PER\*AL\***ALCON**<sup>RPL-33</sup>\*TE\***AACTEL**<sup>RPL-34</sup>  
 SI\*TI\*AF\***AFT**<sup>RPL-11</sup>

### Secondary Location Section

PO1\*n\*1\*EA\*\*\*ZZ\**RPL\_SLS*  
 SI\*TI\*LT\*04 (designates "secondary")  
 SI\*TI\*LS\***RLSO**<sup>RPL-60</sup>  
 SI\*TI\*IW\***IWO**<sup>RPL-69</sup>  
 PID\*S\*\*TI\*ANV\*\*\*SO-RSQ\***ANV**<sup>RPL-44b</sup>  
 REF\*IX\***LOCNUM**<sup>RPL-43</sup>\**LOCNUM*  
 N9\*H7\*LOC\*AAI  
 MTX\*\***AAI**<sup>RPL-59</sup>  
 N9\*L1\*ALOC\***RPLSEC**  
 MTX\*\***ALOC**<sup>RPL-64</sup>  
 N9\*L1\*ACC\***RPLSEC**  
 MTX\*\***ACC**<sup>RPL-73</sup>  
 N1\*IT\***SECLOC**<sup>RPL-44</sup>\*93\***LIT**<sup>RPL-42</sup>  
 N2\***NAME**<sup>RPL-44a</sup>  
 N4\*\***STATE**<sup>RPL-62</sup>\***ZIP**<sup>RPL-63</sup>\*\*RJ\***CALA**<sup>RPL-63a</sup>  
 NX2\*01\***SANO**<sup>RPL-47</sup>  
 NX2\*02\***SASN**<sup>RPL-50</sup>  
 NX2\*03\***SASD**<sup>RPL-49</sup>  
 NX2\*05\***BOX**<sup>RPL-60c</sup>  
 NX2\*06\***ROUTE**<sup>RPL-60b</sup>  
 NX2\*07\***CITY**<sup>RPL-61</sup>  
 NX2\*39\***AHN**<sup>RPL-60a</sup>  
 NX2\*40\***SASS**<sup>RPL-52</sup>  
 NX2\*59\***SAPR**<sup>RPL-46</sup>  
 NX2\*61\***SASF**<sup>RPL-48</sup>  
 NX2\*62\***SATH**<sup>RPL-51</sup>  
 NX2\***LD1**<sup>RPL-53</sup>\***LV1**<sup>RPL-54</sup>  
 NX2\***LD2**<sup>RPL-55</sup>\***LV2**<sup>RPL-56</sup>  
 NX2\***LD3**<sup>RPL-57</sup>\***LV3**<sup>RPL-58</sup>  
 PER\*CA\***LCON**<sup>RPL-65</sup>\*TE\***ACTEL NO**<sup>RPL-66</sup>  
 PER\*AL\***ALCON**<sup>RPL-67</sup>\*TE\***AACTEL**<sup>RPL-68</sup>  
 SI\*TI\*AF\***AFT**<sup>RPL-45</sup>

[PO1 Loop repeats **SECLOCQTY**<sup>RPL-41a</sup> times]

### Disconnect Information

PO1\*n\*1\*EA\*\*\*ZZ\**RPL\_DISC*  
 SI\*TI\*ED\***DISC ECCKT**<sup>RPL-90</sup>

### Remarks Information

PO1\*n\*1\*EA\*\*\*ZZ\**RPL\_REM*  
 N9\*H7\*ORI\**RPL*\*\*\*2W>**MANUAL IND**<sup>RPL-91a</sup>  
 MTX\*\***REMARKS**<sup>RPL-91</sup>

## Primary Location Service Details

PO1\*n\*1\*EA\*\*\*ZZ\**RPL\_PLSD*  
SI\*TI\*LT\*02 (designates "primary")  
SI\*TI\*SA\**LNA*<sup>RPL-94</sup>  
SI\*TI\*CN\**ECCKT*<sup>RPL-104</sup>  
PID\*X\*\*TI\**CFA*\**CFA*<sup>RPL-105</sup>  
REF\*AE\**SAN*<sup>RPL-94a</sup>  
SLN\*/IW\*n\*A\**IWJQ*<sup>RPL-101</sup>\*EA\*\*\*\*EQ\**IWJK*<sup>RPL-102</sup> [SLN Loop may repeat per Inside Wiring Pair]

## Secondary Location Service Details

PO1\*n\*1\*EA\*\*\*ZZ\**RPL\_SLSD* [PO1 Loop repeats *SECLOCSEVDETQTY*<sup>RPL-108a</sup> times]  
SI\*TI\*LT\*04 (designates "secondary")  
SI\*TI\*SA\**LNA*<sup>RPL-111</sup>  
SI\*TI\*CN\**ECCKT*<sup>RPL-119</sup>  
PID\*X\*\*TI\**CFA*\**CFA*<sup>RPL-120</sup>  
SLN\*/IW\*n\*A\**IWJQ*<sup>RPL-116</sup>\*EA\*\*\*\*EQ\**IWJK*<sup>RPL-117</sup> [SLN Loop may repeat per Inside Wiring Pair]

**IMPORTANT NOTE:** If none of the above PO1 loops is applicable, a "Dummy" PO1 loop is used in this format:

PO1\*DUMMY\*1\*EA\*\*\*ZZ\**DD*

CTT\*Number of PO1 Segments

SE\*Number of Segments\*TRAN SET CONTROL#



## 42.5.2 860 EEL/UNE Combination Supplemental Service Request (860EEL) - Version 4020

The 860EEL is identical to the 850EEL except for the following exceptions:

ST\*860\*TRAN SET CONTROL #  
BCH\***SUP**<sup>LSR-25</sup>\*SS\***PON**<sup>LSR-2</sup>\*\***VER**<sup>LSR-3</sup>\*PO Date(See Trading Partner Access Information)  
POC\*n\*RZ\*\*\*\*\*ZZ\*?? Where ?? = "RPL\_PLS" or "RPL\_SLS" or "RPL\_DISC" or "RPL\_REM" or "RPL\_PLSD" or "RPL\_SLSD"

**IMPORTANT NOTE:** Dummy POC loops are not required on 860 Transactions.

CTT\*Number of POC Segments  
SE\*Number of Segments\*TRAN SET CONTROL #

## 42.6 Data Dictionary

### 42.6.1 850 EEL UNE Combination Service Request (850EEL)

Functional Group ID=**PO**

#### Introduction:

The 850EEL will be used by the Co-Provider to initiate an EEL/UNE Combination Service Request to Qwest.

This implementation guideline is based on the following:

1. ANSI ASC X12 Version 4020
2. LSOG 5 and Qwest assigned fields
3. TCIF/SOSC Guidelines ELMS 5

#### Notes:

This 850 Transaction includes the mappings for Local Service Request and Resale Private Line.

#### Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Notes and RepeatComments</u>
M	0100	ST	Transaction Set Header	M	1	
M	0200	BEG	Beginning Segment for Purchase Order	M	1	
	0500	REF	Reference Identification	O	>1	
	0950	PAM	Period Amount	O	10	
LOOP ID - SAC						25
	1200	SAC	Service, Promotion, Allowance, or Charge Information	O	1	
	1500	DTM	Date/Time Reference	O	10	
	1850	SI	Service Characteristic Identification	O	>1	
	1900	PID	Product/Item Description	O	200	
	2100	PWK	Paperwork	O	25	
LOOP ID - N9						1000
	2950	N9	Reference Identification	O	1	
	3000	MTX	Text	O	>1	
LOOP ID - N1						200
	3100	N1	Name	O	1	
	3600	PER	Administrative Communications Contact	O	>1	
LOOP ID - N1						200
	3100	N1	Name	O	1	
LOOP ID - N1						200
	3100	N1	Name	O	1	
	3600	PER	Administrative Communications Contact	O	>1	

		LOOP ID - N1	200	
3100	N1	Name	O	1
3200	N2	Additional Name Information	O	2
3400	N4	Geographic Location	O	>1
3450	NX2	Location ID Component	O	>1
3600	PER	Administrative Communications Contact	O	>1
3650	SI	Service Characteristic Identification	O	>1

**Detail:**

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Notes and RepeatComments</u>
			LOOP ID - PO1			100000
M	0100	PO1	Baseline Item Data - RPL, Form (Primary Location Section)	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	
			LOOP ID - N9			1000
	3300	N9	Reference Identification	O	1	
	3400	MTX	Text	O	>1	
			LOOP ID - N9			1000
	3300	N9	Reference Identification	O	1	
	3400	MTX	Text	O	>1	
			LOOP ID - N9			1000
	3300	N9	Reference Identification	O	1	
	3400	MTX	Text	O	>1	
			LOOP ID - N1			200
	3500	N1	Name	O	1	
	3600	N2	Additional Name Information	O	2	
	3800	N4	Geographic Location	O	1	
	3850	NX2	Location ID Component	O	>1	
	4000	PER	Administrative Communications Contact	O	3	
	4050	SI	Service Characteristic Identification	O	>1	
			LOOP ID - PO1			100000
M	0100	PO1	Baseline Item Data - RPL, Form (Secondary Location Section)	M	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	
			LOOP ID - N9			1000
	3300	N9	Reference Identification	O	1	
	3400	MTX	Text	O	>1	

			LOOP ID - N9		1000	
	3300	N9	Reference Identification	O	1	
	3400	MTX	Text	O	>1	
			LOOP ID - N9		1000	
	3300	N9	Reference Identification	O	1	
	3400	MTX	Text	O	>1	
			LOOP ID - N1		200	
	3500	N1	Name	O	1	
	3600	N2	Additional Name Information	O	2	
	3800	N4	Geographic Location	O	1	
	3850	NX2	Location ID Component	O	>1	
	4000	PER	Administrative Communications Contact	O	3	
	4050	SI	Service Characteristic Identification	O	>1	
			LOOP ID - PO1		100000	
M	0100	PO1	Baseline Item Data - RPL Form (Disconnect Information Section)	M	1	n3
	0180	SI	Service Characteristic Identification	O	>1	
			LOOP ID - PO1		100000	
M	0100	PO1	Baseline Item Data - RPL Form (Remarks Information Section)	M	1	n4
			LOOP ID - N9		1000	
	3300	N9	Reference Identification	O	1	
	3400	MTX	Text	O	>1	
			LOOP ID - PO1		100000	
M	0100	PO1	Baseline Item Data - RPL, Form (Primary Location - Service Details Section)	M	1	n5
	0180	SI	Service Characteristic Identification	O	>1	
			LOOP ID - PID		1000	
	0500	PID	Product/Item Description	O	1	
	1000	REF	Reference Identification	O	>1	
			LOOP ID - SLN		>1	
	4700	SLN	Subline Item Detail	O	1	
			LOOP ID - PO1		100000	
M	0100	PO1	Baseline Item Data - RPL, Form (Secondary Location - Service Details Section)	M	1	n6
	0180	SI	Service Characteristic Identification	O	>1	
			LOOP ID - PID		1000	
	0500	PID	Product/Item Description	O	1	
			LOOP ID - SLN		>1	
	4700	SLN	Subline Item Detail	O	1	
			LOOP ID - PO1		100000	
M	0100	PO1	Baseline Item Data - Dummy	M	1	n7

### Summary:

Pos.	Seg.	Req.	Loop	Notes and
------	------	------	------	-----------

<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Max.Use</u>	<u>RepeatComments</u>
		LOOP ID - CTT			1
0100	CTT	Transaction Totals	O	1	n8
M	0300	SE	Transaction Set Trailer	M	1

### Transaction Set Notes

1. PO102 is required.
2. PO102 is required.
3. PO102 is required.
4. PO102 is required.
5. PO102 is required.
6. PO102 is required.
7. PO102 is required.
8. 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

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

**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\*00\*SS\*PON (LSR-2)\*\*PO Date(See Trading Partner Access Information)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	BEG01	353	<b>Transaction Set Purpose Code</b> Code identifying purpose of transaction set 00 Original	M	ID 2/2
M	BEG02	92	<b>Purchase Order Type Code</b> Code specifying the type of Purchase Order SS Supply or Service Order	M	ID 2/2
M	BEG03	324	<b>Purchase Order Number</b> Identifying number for Purchase Order assigned by the orderer/purchaser PON (LSR-2) = Purchase Order Number	M	AN 1/22
M	BEG05	373	<b>Date</b> Date expressed as CCYYMMDD PO Date = Purchase Order Date(See Trading Partner Access Information)	M	DT 8/8

**Segment:** REF Reference Identification

**Position:** 0500

**Loop:**

**Level:** Heading

**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*11*AN (LSR-7)*AN
REF*JB*PROJECT (LSR-20)
REF*SU*RTR (LSR-28)*RTR
REF*CO*RPON (LSR-51)*RPON
REF*12*BAN1 (LSR-61)*BAN1
REF*1V*RORD (LSR-52)*RORD
```

#### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	Attributes REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification 11 Account Number Number identifies a telecommunications industry account 12 Billing Account Account number under which billing is rendered 1V Related Vendor Order Number A vendor's order number that is in addition to a primary order number CO Customer Order Number JB Job (Project) Number SU Special Processing Code Unique code identifying the special handling requirements for the claim	M	ID 2/3
	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier AN (LSR-7) = Account Number PROJECT (LSR-20) = Project Identification RTR (LSR-28) = Response Type Requested RPON (LSR-51) = Related Purchase Order Number BAN1 (LSR-61) = Billing Account Number 1 RORD (LSR-52) = Related Order Number	X	AN 1/30
	REF03	352	<b>Description</b> A free-form description to clarify the related data elements and their content "AN" "RTR"	X	AN 1/80



"RPON"  
"BAN1"  
"RORD"

**Segment:** **PAM** Period Amount

**Position:** 0950

**Loop:**

**Level:** Heading

**Usage:** Optional

**Max Use:** 10

**Purpose:** To indicate a quantity, and/or amount for an identified period

**Syntax Notes:**

- 1 If any of PAM01 PAM02 or PAM03 is present, then all are required.
- 2 At least one of PAM02 PAM05 or PAM14 is required.
- 3 If either PAM04 or PAM05 is present, then the other is required.
- 4 If either PAM06 or PAM07 is present, then the other is required.
- 5 If PAM07 is present, then at least one of PAM08 or PAM09 is required.
- 6 If PAM07 is present, then PAM06 is required.
- 7 If PAM08 is present, then PAM07 is required.
- 8 If PAM09 is present, then PAM07 is required.
- 9 If PAM10 is present, then at least one of PAM11 or PAM12 is required.
- 10 If PAM11 is present, then PAM10 is required.
- 11 If either PAM13 or PAM14 is present, then the other is required.

**Semantic Notes:**

- 1 PAM10, PAM11, or PAM12 are used when two dates are required.
- 2 PAM15 indicates whether the monetary amount identified in PAM05 is a net or gross value. A "Y" indicates amount is a gross value; an "N" indicates amount is a net value.

**Comments:**

**Notes:**

PAM\*48\*PG\_of\_(1st 2 Bytes) (LSR-10)\*EA  
 PAM\*47\*PG\_of\_(2nd 2 Bytes) (LSR-10)\*EA  
 PAM\*QO\*RSQTY (RPL-5)\*EA  
 PAM\*KC\*DQTY (RPL-6)\*EA  
 PAM\*1Q\*SECLOCQTY (RPL-41a)\*EA  
 PAM\*1R\*SECLOCSEVDETQTY (RPL-108a)\*EA

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>		
<b>PAM01</b>	<b>673</b>	<b>Quantity Qualifier</b>		<b>X</b>	<b>ID 2/2</b>
			Code specifying the type of quantity		
		1Q	Total Resource (Quantity)		
			Total amount of the resources available for the total duration of the task or activity		
		1R	Level Resource (Quantity)		
			The amount of resources available for each time unit for the duration of the task or activity		
		47	Primary Net Quantity		
		48	Secondary Net Quantity		
		KC	Net Quantity Decrease		
			The resultant quantity represents a net decrease to a previously transmitted quantity, after adjustments have been made		
		QO	Operating Quantity		
<b>PAM02</b>	<b>380</b>	<b>Quantity</b>		<b>X</b>	<b>R 1/15</b>

Numeric value of quantity

First 2 bytes of PG\_of\_ (LSR-10)

Second 2 bytes of PG\_of\_ (LSR-10)

RSQTY (RPL-5) = Resale Quantity

DQTY (RPL-6) = Disconnect Quantity

SECLOCQTY (RPL-41a) = Secondary Location Quantity

SECLOCSEVDETQTY (RPL-108a) = Secondary Location Service  
Details Quantity

	<b>PAM03</b>	<b>C001</b>	<b>Composite Unit of Measure</b>	<b>X</b>
			To identify a composite unit of measure (See Figures Appendix for examples of use)	
<b>M</b>	<b>C00101</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>M ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			EA                      Each	

**Segment:** **SAC** Service, Promotion, Allowance, or Charge Information  
**Position:** 1200  
**Loop:** SAC Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

- Syntax Notes:**
- 1 At least one of SAC02 or SAC03 is required.
  - 2 If either SAC03 or SAC04 is present, then the other is required.
  - 3 If either SAC06 or SAC07 is present, then the other is required.
  - 4 If either SAC09 or SAC10 is present, then the other is required.
  - 5 If SAC11 is present, then SAC10 is required.
  - 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
  - 7 If SAC14 is present, then SAC13 is required.
  - 8 If SAC16 is present, then SAC15 is required.

- Semantic Notes:**
- 1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
  - 2 SAC05 is the total amount for the service, promotion, allowance, or charge.  
If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
  - 3 SAC08 is the allowance or charge rate per unit.
  - 4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.  
SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
  - 5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
  - 6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
  - 7 SAC16 is used to identify the language being used in SAC15.

- Comments:**
- 1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction with SAC03 to further define SAC02.
  - 2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

**Notes:** SAC\*N\*\*TI\*EXP [If this segment appears then EXP (LSR-26) = "Y"]  
SAC\*N\*\*TI\*VT\*\*\*\*\*VTA (LSR-80)  
SAC\*N\*\*TI\*EEH [If this segment appears then AENG (LSR-32) = "Y"]  
SAC\*N\*\*TI\*OAC [If this segment appears then ALBR (LSR-33) = "Y"]

#### Data Element Summary

Ref.	Data
<u>Des.</u>	<u>Element Name</u>
<u>Attributes</u>	

<b>M</b>	<b>SAC01</b>	<b>248</b>	<b>Allowance or Charge Indicator</b>	<b>M</b>	<b>ID 1/1</b>
			Code which indicates an allowance or charge for the service specified		
			N                      No Allowance or Charge		
	<b>SAC03</b>	<b>559</b>	<b>Agency Qualifier Code</b>	<b>X</b>	<b>ID 2/2</b>
			Code identifying the agency assigning the code values		
			TI                      Telecommunications Industry		
	<b>SAC04</b>	<b>1301</b>	<b>Agency Service, Promotion, Allowance, or Charge Code</b>	<b>X</b>	<b>AN 1/10</b>
			Agency maintained code identifying the service, promotion, allowance, or charge		
			EEH                      Engineering Charge		
			EXP                      Expedited Service Charge		
			OAC                      Overtime Loading		
			VT                      Variable Term Contract Pricing Plan		
	<b>SAC15</b>	<b>352</b>	<b>Description</b>	<b>X</b>	<b>AN 1/80</b>
			A free-form description to clarify the related data elements and their content		
			VTA (LSR-80) = Variable Term Agreement		

**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 } (LSR-12)\*D/TSENT{HHMM} (LSR-12)  
 DTM\*150\*DDD{CCYYMMDD} (LSR-14)  
 DTM\*270\*DATED{CCYYMMDD} (LSR-36)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	<u>Attributes</u> DTM01	374	<b>Date/Time Qualifier</b>	M	ID 3/3
			Code specifying type of date or time, or both date and time		
			097 Transaction Creation 150 Service Period Start 270 Date Filed		
	DTM02	373	<b>Date</b>	X	DT 8/8
			Date expressed as CCYYMMDD		
			D/TSENT (LSR-12) = Date Sent DDD (LSR-14) = Desired Due Date DATED (LSR-36) = Date of Agency Authorization		
	DTM03	337	<b>Time</b>	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 (LSR-12) = Time Sent {HHMM}		

**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\*RE\*REQTYP (LSR-23)
- SI\*TI\*AA\*ACT (LSR-24)
- SI\*TI\*TY\*TOS (LSR-44)
- SI\*TI\*NC\*NC (LSR-46)
- SI\*TI\*NJ\*NCI (LSR-48)
- SI\*TI\*NJ\*SECNCI (LSR-50)

#### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
	<b>Attributes</b>				
<b>M</b>	<b>SI01</b>	<b>559</b>	<b>Agency Qualifier Code</b>	<b>M</b>	<b>ID 2/2</b>
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
<b>M</b>	<b>SI02</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>M</b>	<b>AN 2/2</b>
			Code from an industry code list qualifying the type of service characteristics		
			AA Account Activity		
			NC Network Channel Code		
			NI Network Channel Interface Code		
			NJ Secondary Network Channel Interface Code		
			RE Requisition Type and Status		
			TY Type of Service		
<b>M</b>	<b>SI03</b>	<b>234</b>	<b>Product/Service ID</b>	<b>M</b>	<b>AN 1/48</b>
			Identifying number for a product or service		
			ACT (LSR-24) = Activity		
			A = (DWS : N - New Installation)		
			D = (DWS : D - Disconnect of entire account)		
			W = (DWS : W - Conversion as is)		
			V = (DWS : V - Conversion As Specified)		
			C = (DWS : C - Change)		
			T = (DWS : T - Outside Move (T/F))		
			M = (DWS : M - Inside Move (CO, IA & MN only))		

REQTYP (LSR-23) = Requisition Type and Status  
TOS (LSR-44) = Type of Service  
NC (LSR-46) = Network Channel Code  
NCI (LSR-48) = Network Channel Interface Code  
SECNCI (LSR-50) = Secondary Network Channel Interface Code



<b>Segment:</b>	<b>PID</b> Product/Item Description
<b>Position:</b>	1900
<b>Loop:</b>	
<b>Level:</b>	Heading
<b>Usage:</b>	Optional
<b>Max Use:</b>	200
<b>Purpose:</b>	To describe a product or process in coded or free-form format
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If PID04 is present, then PID03 is required.</li> <li>2 At least one of PID04 or PID05 is required.</li> <li>3 If PID07 is present, then PID03 is required.</li> <li>4 If PID08 is present, then PID04 is required.</li> <li>5 If PID09 is present, then PID05 is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 Use PID03 to indicate the organization that publishes the code list being referred to.</li> <li>2 PID04 should be used for industry-specific product description codes.</li> <li>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.</li> <li>4 PID09 is used to identify the language being used in PID05.</li> </ol>
<b>Comments:</b>	<ol style="list-style-type: none"> <li>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.</li> <li>2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.</li> <li>3 PID07 specifies the individual code list of the agency specified in PID03.</li> </ol>
<b>Notes:</b>	<div style="background-color: #e0e0e0; padding: 5px;"> <p>PID*S**TI*AO***SO-RSQ*AGAUTH (LSR-35)  PID*S**TI*BI***SO-RSQ*FBI (RPL-76)  PID*S**TI*PENDING***SO-RSQ*PENDING ORDER (LSR-108b)</p> </div>

#### Data Element Summary

Ref.	Data	Name		
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	<b>PID01</b>	<b>349</b>	<b>Item Description Type</b>	<b>M ID 1/1</b>
			Code indicating the format of a description	
			S                      Structured (From Industry Code List)	
	<b>PID03</b>	<b>559</b>	<b>Agency Qualifier Code</b>	<b>X ID 2/2</b>
			Code identifying the agency assigning the code values	
			TI                      Telecommunications Industry	
	<b>PID04</b>	<b>751</b>	<b>Product Description Code</b>	<b>X AN 1/12</b>
			A code from an industry code list which provides specific data about a product characteristic	
			AO                      Agency Authorization Status	
			BI                      Final Bill Information Indicator	
			PENDING              Pending Order	
	<b>PID07</b>	<b>822</b>	<b>Source Subqualifier</b>	<b>O AN 1/15</b>
			A reference that indicates the table or text maintained by the Source Qualifier	
			SO-RSQ                Service Order - Reseller Questions	

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

Code indicating a Yes or No condition or response

FBI (RPL-76) = Final Bill Information Indicator

N = (DWS : E - Existing)

Y = (DWS : D - Different)

AGAUTH (LSR-35) = Agency Authorization Status

PENDING ORDER (LSR-108b) = Pending Order

**Segment:** **PWK** Paperwork  
**Position:** 2100  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 25  
**Purpose:** To identify the type or transmission or both of paperwork or supporting information

- Syntax Notes:** 1 If either PWK05 or PWK06 is present, then the other is required.  
**Semantic Notes:**  
**Comments:** 1 PWK05 and PWK06 may be used to identify the addressee by a code number.  
 2 PWK07 may be used to indicate special information to be shown on the specified report.  
 3 PWK08 may be used to indicate action pertaining to a report.  
**Notes:** PWK\*DW\*NS\*1\*DG\*91\*DRC (LSR-98)

#### Data Element Summary

Ref.	Data Element	Name		
M	<u>Attributes</u> PWK01	755	<b>Report Type Code</b>	M ID 2/2
			Code indicating the title or contents of a document, report or supporting item DW Drawing(s)	
	PWK02	756	<b>Report Transmission Code</b>	O ID 1/2
			Code defining timing, transmission method or format by which reports are to be sent NS Not Specified Indicates that a report will be transmitted via a nonspecified medium	
	PWK03	757	<b>Report Copies Needed</b>	O NO 1/2
			The number of copies of a report that should be sent to the addressee 1 Always One	
	PWK04	98	<b>Entity Identifier Code</b>	O ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual DG Design Engineering Identifies the design engineer or office of the design engineer who will receive design specifications	
	PWK05	66	<b>Identification Code Qualifier</b>	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67) 91 Assigned by Seller or Seller's Agent	
	PWK06	67	<b>Identification Code</b>	X AN 2/80
			Code identifying a party or other code DRC (LSR-98) = Design Routing	

**Segment:** **N9 Reference Identification**

**Position:** 2950

**Loop:** N9 Optional

**Level:** Heading

**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\*H7\*ORI\*LSR\*\*\*\*2W>MANUAL IND (LSR-108a)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N901	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification H7 Standard Clause	M	ID 2/3
	N902	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ORI Order Instructions	X	AN 1/30
	N903	369	<b>Free-form Description</b> Free-form descriptive text	X	AN 1/45
	N907	C040	<b>Reference Identifier</b> To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O	
M	C04001	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification 2W Change Order Authority	M	ID 2/3
M	C04002	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier MANUAL IND (LSR-108a) = Manual Indicator	M	AN 1/30

**Segment:** **MTX** Text  
**Position:** 3000  
**Loop:** N9 Optional  
**Level:** Heading  
**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\*\*REMARKS (LSR-108)

**Data Element Summary**

<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
MTX02	1551	Message Text	X	AN 1/4096
		To transmit large volumes of message text		
		REMARKS (LSR-108) = Remarks		

**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 (LSR-1)

**Data Element Summary**

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

**Segment:** **PER Administrative Communications Contact**

**Position:** 3600

**Loop:** N1 Optional

**Level:** Heading

**Usage:** Optional

**Max Use:** >1

**Purpose:** To identify a person or office to whom administrative communications should be directed

- Syntax Notes:**
- 1 If either PER03 or PER04 is present, then the other is required.
  - 2 If either PER05 or PER06 is present, then the other is required.
  - 3 If either PER07 or PER08 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:** PER\*AG\*INIT (LSR-81)\*TE\*TEL NO (LSR-82)\*FX\*FAX NO (LSR-84)\*EM\*EMAIL (LSR-83)

PER\*CN\*IMPCON (LSR-91)\*TE\*TEL NO (LSR-92)\*BN\*PAGER (LSR-93)  
 PER\*AL\*ALT IMPCON (LSR-94)\*TE\*TEL NO (LSR-95)\*BN\*PAGER (LSR-96)

**Data Element Summary**

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	PER01	366	<b>Contact Function Code</b> M ID 2/2
			Code identifying the major duty or responsibility of the person or group named
		AG	Agent
		AL	Alternate Contact
			Person to be contacted when the main contact is not available
		CN	General Contact
	PER02	93	<b>Name</b> O AN 1/60
			Free-form name
			INIT (LSR-81) = Initiator Identification
			IMPCON (LSR-91) = Implementation Contact
			ALT IMPCON (LSR-94) = Alternate Implementation Contact
	PER03	365	<b>Communication Number Qualifier</b> X ID 2/2
			Code identifying the type of communication number
		TE	Telephone
	PER04	364	<b>Communication Number</b> X AN 1/256
			Complete communications number including country or area code when applicable
			TEL NO (LSR-82) = Telephone Number
			TEL NO (LSR-92) = Telephone Number
			TEL NO (LSR-95) = Telephone Number
	PER05	365	<b>Communication Number Qualifier</b> X ID 2/2
			Code identifying the type of communication number
		BN	Beeper Number
		FX	Facsimile
	PER06	364	<b>Communication Number</b> X AN 1/256
			Complete communications number including country or area code when applicable

		applicable		
		FAX NO (LSR-84) = Facsimile Number		
		PAGER (LSR-93) = Pager Number		
		PAGER (LSR-96) = Pager Number		
<b>PER07</b>	<b>365</b>	<b>Communication Number Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code identifying the type of communication number		
		EM                      Electronic Mail		
<b>PER08</b>	<b>364</b>	<b>Communication Number</b>	<b>X</b>	<b>AN 1/256</b>
		Complete communications number including country or area code when applicable		
		EMAIL (LSR-83) = Electronic Mail Address		



**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\*AN\*AUTHNM (LSR-37)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N101	98	<b>Entity Identifier Code</b> 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	M	ID 2/3
	N102	93	<b>Name</b> Free-form name AUTHNM (LSR-37) = Authorization Name	X	AN 1/60

**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\*DG\*DSGCON (LSR-97)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	
M	N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual DG Design Engineering Identifies the design engineer or office of the design engineer who will receive design specifications	M ID 2/3
	N102	93	<b>Name</b> Free-form name DSGCON (LSR-97) = Design/Engineering Contact	X AN 1/60

**Segment:** **PER** Administrative Communications Contact  
**Position:** 3600  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To identify a person or office to whom administrative communications should be directed

- Syntax Notes:**
- 1 If either PER03 or PER04 is present, then the other is required.
  - 2 If either PER05 or PER06 is present, then the other is required.
  - 3 If either PER07 or PER08 is present, then the other is required.

**Semantic Notes:**  
**Comments:**

**Notes:** PER\*DE\*\*TE\*TEL NO (LSR-99)\*FX\*FAX NO (LSR-100)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	PER01	366	<b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named DE Design Engineer	M	ID 2/2
	PER03	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number TE Telephone	X	ID 2/2
	PER04	364	<b>Communication Number</b> Complete communications number including country or area code when applicable TEL NO (LSR-99) = Telephone Number	X	AN 1/256
	PER05	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number FX Facsimile	X	ID 2/2
	PER06	364	<b>Communication Number</b> Complete communications number including country or area code when applicable FAX NO (LSR-100) = Facsimile Number	X	AN 1/256

**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\*X1\*BILLNM (RPL-77)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N101	98	<b>Entity Identifier Code</b>	M	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
			X1	Mail to	
				An address to which a specified item is to be mailed	
	N102	93	<b>Name</b>	X	AN 1/60
			Free-form name		
			BILLNM (RPL-77) = Bill Name		

**Segment:** **N2** Additional Name Information

**Position:** 3200

**Loop:** N1 Optional

**Level:** Heading

**Usage:** Optional

**Max Use:** 2

**Purpose:** To specify additional names

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

**Notes:** N2\*SBILLNM (RPL-78)

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
M	N201	93	Name Free-form name SBILLNM (RPL-78) = Secondary Billing Name	M	AN 1/60

**Segment:** **N4 Geographic Location**

**Position:** 3400

**Loop:** N1 Optional

**Level:** Heading

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify the geographic place of the named party

- Syntax Notes:**
- 1 Only one of N402 or N407 may be present.
  - 2 If N406 is present, then N405 is required.
  - 3 If N407 is present, then N404 is required.

**Semantic Notes:**

- Comments:**
- 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
  - 2 N402 is required only if city name (N401) is in the U.S. or Canada.

**Notes:** N4\*\*STATE (RPL-83)\*ZIP (RPL-84)

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>		
<b>N402</b>	<b>156</b>	<b>State or Province Code</b>		<b>X</b>	<b>ID 2/2</b>
			Code (Standard State/Province) as defined by appropriate government agency		
			STATE (RPL-83) = State/Province		
<b>N403</b>	<b>116</b>	<b>Postal Code</b>		<b>O</b>	<b>ID 3/15</b>
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
			ZIP (RPL-84) = ZIP/Postal Code		

**Segment:** **NX2** Location ID Component

**Position:** 3450

**Loop:** N1 Optional

**Level:** Heading

**Usage:** Optional

**Max Use:** >1

**Purpose:** To define types and values of a geographic location

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

**Notes:**

NX2\*01\*SANO (RPL-79b)  
 NX2\*02\*SASN (RPL-79e)  
 NX2\*03\*SASD (RPL-79d)  
 NX2\*07\*CITY (RPL-82)  
 NX2\*32\*FLOOR (RPL-80)  
 NX2\*35\*ROOM/MAIL STOP (RPL-81)  
 NX2\*40\*SASS (RPL-79g)  
 NX2\*59\*SAPR (RPL-79a)  
 NX2\*61\*SASF (RPL-79c)  
 NX2\*62\*SATH (RPL-79f)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	
M	<b>NX201</b>	<b>1106</b>	<b>Address Component Qualifier</b>	M ID 2/2
			Code qualifying the type of address component	
			01 Street Number	
			02 Street Name	
			03 Prefix Direction	
			07 City Name	
			32 Floor	
			A particular floor or level of a building	
			35 Room	
			A walled room or partitioned area of a building	
			40 Street Suffix	
			59 Street Number Low	
			61 Street Number Fraction	
			62 Street Name Suffix	
M	<b>NX202</b>	<b>166</b>	<b>Address Information</b>	M AN 1/55
			Address information	
			SANO (RPL-79b) = Street Address Number	
			SASN (RPL-79e) = Service Address Street Name	
			SASD (RPL-79d) = Service Address Street Directional Prefix	
			CITY (RPL-82) = City	
			FLOOR (RPL-80) = Floor	
			ROOM/MAIL STOP (RPL-81) = Room/Mail Stop	
			SASS (RPL-79g) = Service Address Street Directional Suffix	
			SAPR (RPL-79a) = Service Address Number Prefix	
			SASF (RPL-79c) = Service Address Number Suffix	
			SATH (RPL-79f) = Service Address Street Type	

**Segment:** **PER** Administrative Communications Contact  
**Position:** 3600  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To identify a person or office to whom administrative communications should be directed

- Syntax Notes:**
- 1 If either PER03 or PER04 is present, then the other is required.
  - 2 If either PER05 or PER06 is present, then the other is required.
  - 3 If either PER07 or PER08 is present, then the other is required.

**Semantic Notes:**  
**Comments:**

**Notes:** PER\*BI\*BILLCON (RPL-85)\*TE\*TEL NO (RPL-86)

**Data Element Summary**

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	PER01	366	<b>Contact Function Code</b> M ID 2/2 Code identifying the major duty or responsibility of the person or group named BI Bill Inquiry Contact Service Provider contact for making inquires about information on the invoice
	PER02	93	<b>Name</b> O AN 1/60 Free-form name BILLCON (RPL-85) = Billing Contact
	PER03	365	<b>Communication Number Qualifier</b> X ID 2/2 Code identifying the type of communication number TE Telephone
	PER04	364	<b>Communication Number</b> X AN 1/256 Complete communications number including country or area code when applicable TEL NO (RPL-86) = Telephone Number



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

**Position:** 3650

**Loop:** N1 Optional

**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\*AF\*AFT (RPL-78a)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
	<u>Attributes</u>				
M	SI01	559	<b>Agency Qualifier Code</b>	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	<b>Service Characteristics Qualifier</b>	M	AN 2/2
			Code from an industry code list qualifying the type of service characteristics		
			AF Address Format Type		
M	SI03	234	<b>Product/Service ID</b>	M	AN 1/48
			Identifying number for a product or service		
			AFT (RPL-78a) = Address Format Type		

**Segment:** **PO1** **Baseline Item Data - RPL, Form (Primary Location Section)**

**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\*RPL\_PLS

**Data Element Summary**

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

**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\*LT\*02 (designates "primary")  
 SI\*TI\*LS\*RLSO (RPL-26)  
 SI\*TI\*IW\*IWO (RPL-35)

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>		
	<u>Des.</u>					
	<u>Attributes</u>					
M	SI01	559	<b>Agency Qualifier Code</b>		M	ID 2/2
			Code identifying the agency assigning the code values			
			TI Telecommunications Industry			
M	SI02	1000	<b>Service Characteristics Qualifier</b>		M	AN 2/2
			Code from an industry code list qualifying the type of service characteristics			
			IW Inside Wiring Options			
			LS Local Serving Office			
			LT Location Type			
M	SI03	234	<b>Product/Service ID</b>		M	AN 1/48
			Identifying number for a product or service			
			02 = Primary			
			RLSO (RPL-26) = Resale Local Serving Office (PRILOC)			
			IWO (RPL-35) = Inside Wiring Option (PRILOC)			

**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\*ANV\*\*\*SO-RSQ\*ANV (RPL-10b)

#### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	<b>PID01</b>	<b>349</b>	<b>Item Description Type</b>	<b>M</b>	<b>ID 1/1</b>
			Code indicating the format of a description		
			S Structured (From Industry Code List)		
	<b>PID03</b>	<b>559</b>	<b>Agency Qualifier Code</b>	<b>X</b>	<b>ID 2/2</b>
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
	<b>PID04</b>	<b>751</b>	<b>Product Description Code</b>	<b>X</b>	<b>AN 1/12</b>
			A code from an industry code list which provides specific data about a product characteristic		
		ANV Address Not Validated Indicator			
<b>PID07</b>	<b>822</b>	<b>Source Subqualifier</b>	<b>O</b>	<b>AN 1/15</b>	
		A reference that indicates the table or text maintained by the Source Qualifier			
		SO-RSQ Service Order - Reseller Questions			
<b>PID08</b>	<b>1073</b>	<b>Yes/No Condition or Response Code</b>	<b>O</b>	<b>ID 1/1</b>	
		Code indicating a Yes or No condition or response			
		ANV (RPL-10b) = Address Not Validated Indicator (PRILOC)			

**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\*IX\*LOCNUM (RPL-9)\*LOCNUM

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification IX Item Number	<b>M</b>	<b>ID 2/3</b>
	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier LOCNUM (RPL-9) = Location Number (PRILOC)	<b>X</b>	<b>AN 1/30</b>
	<b>REF03</b>	<b>352</b>	<b>Description</b> A free-form description to clarify the related data elements and their content "LOCNUM"	<b>X</b>	<b>AN 1/80</b>

**Segment:** **N9 Reference Identification**

**Position:** 3300

**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\*H7\*LOC\*AAI

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N901	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification H7 Standard Clause	M	ID 2/3
	N902	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier LOC Location Instructions	X	AN 1/30
	N903	369	<b>Free-form Description</b> Free-form descriptive text "AAI"	X	AN 1/45

**Segment:** **MTX** Text  
**Position:** 3400  
**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\*\*AAI (RPL-25)

**Data Element Summary**

<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
MTX02	1551	Message Text	X	AN 1/4096
		To transmit large volumes of message text		
		AAI (RPL-25) = Additional Address Information (PRILOC)		

**Segment:** **N9 Reference Identification**

**Position:** 3300

**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\*L1\*ALOC\*RPLPRI

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N901	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification L1 Letters or Notes	M	ID 2/3
	N902	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ALOC Additional Location Detail	X	AN 1/30
	N903	369	<b>Free-form Description</b> Free-form descriptive text "RPLPRI"	X	AN 1/45



**Segment:** **MTX** Text  
**Position:** 3400  
**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\*\*ALOC (RPL-30)

**Data Element Summary**

<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
MTX02	1551	Message Text	X	AN 1/4096
		To transmit large volumes of message text		
		ALOC (RPL-30) = Additional Location Details (PRILOC)		

**Segment:** **N9 Reference Identification**

**Position:** 3300

**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\*L1\*ACC\*RPLPRI

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N901	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification L1 Letters or Notes	M	ID 2/3
	N902	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ACC Access Information	X	AN 1/30
	N903	369	<b>Free-form Description</b> Free-form descriptive text "RPLPRI"	X	AN 1/45

**Segment:** **MTX** Text  
**Position:** 3400  
**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\*\*ACC (RPL-39)

**Data Element Summary**

<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
MTX02	1551	Message Text To transmit large volumes of message text ACC (RPL-39) = Access Information (PRILOC)	X	AN 1/4096

**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\*IT\*PRILOC (RPL-10)\*93\*LIT (RPL-8)

#### Data Element Summary

Ref.	Data	Element	Name		
M	<u>Attributes</u>				
	N101	98	<b>Entity Identifier Code</b>	M	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
			IT Installation on Site		
	N102	93	<b>Name</b>	X	AN 1/60
		Free-form name			
			PRILOC (RPL-10) = Primary Location		
N103	66	<b>Identification Code Qualifier</b>	X	ID 1/2	
		Code designating the system/method of code structure used for Identification Code (67)			
		93 Code assigned by the organization originating the transaction set			
N104	67	<b>Identification Code</b>	X	AN 2/80	
		Code identifying a party or other code			
			LIT (RPL-8) = Location Identification Type (PRILOC)		
			CL = (DWS : C - CLLI Code)		
			EU = (DWS : E - End User Name)		

**Segment:** **N2** Additional Name Information

**Position:** 3600

**Loop:** N1 Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 2

**Purpose:** To specify additional names

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

**Notes:** N2\*NAME (RPL-10a)

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
M	N201	93	Name Free-form name NAME (RPL-10a) = End User Name	M	AN 1/60

**Segment:** **N4 Geographic Location**

**Position:** 3800

**Loop:** N1 Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify the geographic place of the named party

- Syntax Notes:**
- 1 Only one of N402 or N407 may be present.
  - 2 If N406 is present, then N405 is required.
  - 3 If N407 is present, then N404 is required.

**Semantic Notes:**

- Comments:**
- 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
  - 2 N402 is required only if city name (N401) is in the U.S. or Canada.

**Notes:** N4\*\*STATE(RPL-28)\*ZIP (RPL-29)\*\*RJ\*CALA (RPL-29a)

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>		
<b>N402</b>	<b>156</b>	<b>State or Province Code</b>		<b>X</b>	<b>ID 2/2</b>
			Code (Standard State/Province) as defined by appropriate government agency		
			STATE (RPL-28) = State/Province (PRILOC)		
<b>N403</b>	<b>116</b>	<b>Postal Code</b>		<b>O</b>	<b>ID 3/15</b>
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
			ZIP (RPL-29) = ZIP/Postal Code (PRILOC)		
<b>N405</b>	<b>309</b>	<b>Location Qualifier</b>		<b>X</b>	<b>ID 1/2</b>
			Code identifying type of location		
			RJ Region		
<b>N406</b>	<b>310</b>	<b>Location Identifier</b>		<b>O</b>	<b>AN 1/30</b>
			Code which identifies a specific location		
			CALA (RPL-29a) = Customer Address Location Area (PRILOC)		

**Segment:** **NX2** Location ID Component

**Position:** 3850

**Loop:** N1 Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To define types and values of a geographic location

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

**Notes:**

NX2\*01\*SANO (RPL-13)  
 NX2\*02\*SASN (RPL-16)  
 NX2\*03\*SASD (RPL-15)  
 NX2\*05\*BOX (RPL-26c)  
 NX2\*06\*ROUTE (RPL-26b)  
 NX2\*07\*CITY (RPL-27)  
 NX2\*39\*AHN (RPL-26a)  
 NX2\*40\*SASS (RPL-18)  
 NX2\*59\*SAPR (RPL-12)  
 NX2\*61\*SASF (RPL-14)  
 NX2\*62\*SATH (RPL-17)  
 NX2\*LD1 (RPL-19)\*LV1 (RPL-20)  
 NX2\*LD2 (RPL-21)\*LV2 (RPL-22)  
 NX2\*LD3 (RPL-23)\*LV3 (RPL-24)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	
M	<b>Attributes</b> NX201	1106	<b>Address Component Qualifier</b> Code qualifying the type of address component LD1 (RPL-19) = Location Designator 1 (PRILOC) 13 = (DWS : APT) 34 = (DWS : LOT) 35 = (DWS : RM) 36 = (DWS : SLIP) 37 = (DWS : UNIT) 14 = (DWS : SUIT) LD2 (RPL-21) = Location Designator 2 (PRILOC) 32 = (DWS : FLR) LD3 (RPL-23) = Location Designator 3 (PRILOC) 12 = (DWS : BLDG) 63 = (DWS : WNG) 30 = (DWS : PIER) 01 Street Number 02 Street Name 03 Prefix Direction 05 P.O. Box Number 06 Rural Route Number 07 City Name	M ID 2/2

12	Building Name
13	Apartment Number
14	Suite Number
30	Pier
	The pier at which a ship or boat is docked
32	Floor
	A particular floor or level of a building
34	Lot
	A particular lot or piece of land
35	Room
	A walled room or partitioned area of a building
36	Slip
	The slip or location on a pier at which a ship or boat is docked
37	Unit
	A unit or separate structure
39	Unstructured Property
40	Street Suffix
59	Street Number Low
61	Street Number Fraction
62	Street Name Suffix
63	Secondary Unit Identifier

**M**      **NX202**      **166**      **Address Information**      **M**      **AN 1/55**

Address information

SANO (RPL-13) = Service Address Number (PRILOC)  
 SASN (RPL-16) = Service Address Street Name (PRILOC)  
 SASD (RPL-15) = Service Address Street Directional Prefix (PRILOC)  
 BOX (RPL-26c) = Box Number (PRILOC)  
 ROUTE (RPL-26b) = Rural Route (PRILOC)  
 CITY (RPL-27) = City (PRILOC)  
 AHN (RPL-26a) = Assigned House Number (PRILOC)  
 SASS (RPL-18) = Service Address Street Directional Suffix (PRILOC)  
 SAPR (RPL-12) = Service Address Number Prefix (PRILOC)  
 SASF (RPL-14) = Service Address Number Suffix (PRILOC)  
 SATH (RPL-17) = Service Address Type (PRILOC)  
 LV1 (RPL-20) = Location Value 1 (PRILOC)  
 LV2 (RPL-22) = Location Value 2 (PRILOC)  
 LV3 (RPL-24) = Location Value 3 (PRILOC)



**Segment:** **PER** Administrative Communications Contact

**Position:** 4000

**Loop:** N1 Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 3

**Purpose:** To identify a person or office to whom administrative communications should be directed

- Syntax Notes:**
- 1 If either PER03 or PER04 is present, then the other is required.
  - 2 If either PER05 or PER06 is present, then the other is required.
  - 3 If either PER07 or PER08 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:** PER\*CA\*LCON (RPL-31)\*TE\*ACTEL NO (RPL-32)  
 PER\*AL\*ALCON (RPL-33)\*TE\*AACTEL (RPL-34)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	<u>Attributes</u> PER01	366	<b>Contact Function Code</b>	M	ID 2/2
			Code identifying the major duty or responsibility of the person or group named		
			AL Alternate Contact		
			Person to be contacted when the main contact is not available		
			CA Customer Contact Granting Appointment		
	PER02	93	<b>Name</b>	O	AN 1/60
			Free-form name		
			LCON (RPL-31) = Local Contact (PRILOC)		
			ALCON (RPL-33) = Alternate Local Contact (PRILOC)		
	PER03	365	<b>Communication Number Qualifier</b>	X	ID 2/2
			Code identifying the type of communication number		
			TE Telephone		
	PER04	364	<b>Communication Number</b>	X	AN 1/256
			Complete communications number including country or area code when applicable		
			ACTEL NO (RPL-32) = Access Telephone Number (PRILOC)		
			AACTEL (RPL-34) = Alternate Access Telephone Number (PRILOC)		

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

**Position:** 4050

**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 characteristic qualifiers.

**Notes:** SI\*TI\*AF\*AFT (RPL-11)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
<b>M</b>	<b>SI01</b>	<b>559</b>	<b>Agency Qualifier Code</b>	<b>M</b>	<b>ID 2/2</b>
			Code identifying the agency assigning the code values TI Telecommunications Industry		
<b>M</b>	<b>SI02</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>M</b>	<b>AN 2/2</b>
			Code from an industry code list qualifying the type of service characteristics AF Address Format Type		
<b>M</b>	<b>SI03</b>	<b>234</b>	<b>Product/Service ID</b>	<b>M</b>	<b>AN 1/48</b>
			Identifying number for a product or service AFT (RPL-11) = Address Format Type (PRILOC)		

**Segment:** **PO1** **Baseline Item Data - RPL, Form (Secondary Location Section)**

**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\*RPL\_SLS [PO1 Loop repeats SECLOCQTY (RPL-41a) times]

**Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
<b>Attributes</b> PO101	350	<b>Assigned Identification</b>	O	AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set "n" = nth assigned ID within PO1 loop		
PO102	330	<b>Quantity Ordered</b>	X	R 1/15
		Quantity ordered 1 Always One		
PO103	355	<b>Unit or Basis for Measurement Code</b>	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	<b>Product/Service ID Qualifier</b>	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234) ZZ Mutually Defined		
PO107	234	<b>Product/Service ID</b>	X	AN 1/48
		Identifying number for a product or service "RPL_SLS"		

**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\*LT\*04 (designates "secondary")  
 SI\*TI\*LS\*RLSO (RPL-60)  
 SI\*TI\*IW\*IWO (RPL-69)

**Data Element Summary**

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
<b>M</b>	<b>SI01</b>	<b>559</b>	<b>Agency Qualifier Code</b>	<b>M ID 2/2</b>
			Code identifying the agency assigning the code values	
			TI Telecommunications Industry	
<b>M</b>	<b>SI02</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>M AN 2/2</b>
			Code from an industry code list qualifying the type of service characteristics	
			IW Inside Wiring Options	
			LS Local Serving Office	
			LT Location Type	
<b>M</b>	<b>SI03</b>	<b>234</b>	<b>Product/Service ID</b>	<b>M AN 1/48</b>
			Identifying number for a product or service	
			04 = Secondary	
			RLSO (RPL-60) = Resale Local Serving Office (SECLOC)	
			IWO (RPL-69) = Inside Wiring Options (SECLOC)	

**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\*ANV\*\*\*SO-RSQ\*ANV (RPL-44b)

#### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	<b>PID01</b>	<b>349</b>	<b>Item Description Type</b>	<b>M</b>	<b>ID 1/1</b>
			Code indicating the format of a description		
			S Structured (From Industry Code List)		
	<b>PID03</b>	<b>559</b>	<b>Agency Qualifier Code</b>	<b>X</b>	<b>ID 2/2</b>
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
	<b>PID04</b>	<b>751</b>	<b>Product Description Code</b>	<b>X</b>	<b>AN 1/12</b>
			A code from an industry code list which provides specific data about a product characteristic		
		ANV Address Not Validated Indicator			
<b>PID07</b>	<b>822</b>	<b>Source Subqualifier</b>	<b>O</b>	<b>AN 1/15</b>	
		A reference that indicates the table or text maintained by the Source Qualifier			
		SO-RSQ Service Order - Reseller Questions			
<b>PID08</b>	<b>1073</b>	<b>Yes/No Condition or Response Code</b>	<b>O</b>	<b>ID 1/1</b>	
		Code indicating a Yes or No condition or response			
		ANV (RPL-44b) = Address Not Validated Indicator			

**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\*IX\*LOCNUM (RPL-43)\*LOCNUM

#### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>		
	<u>Des.</u>	<u>Element</u>			
M	<u>Attributes</u>				
	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification IX Item Number	M	ID 2/3
	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier LOCNUM (RPL-43) = Location Number (SECLOC)	X	AN 1/30
	REF03	352	<b>Description</b> A free-form description to clarify the related data elements and their content "LOCNUM"	X	AN 1/80

**Segment:** **N9 Reference Identification**

**Position:** 3300

**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\*H7\*LOC\*AAI

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N901	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification H7 Standard Clause	M	ID 2/3
	N902	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier LOC Location Instructions	X	AN 1/30
	N903	369	<b>Free-form Description</b> Free-form descriptive text "AAI"	X	AN 1/45

**Segment:** **MTX** Text  
**Position:** 3400  
**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\*\*AAI (RPL-59)

#### Data Element Summary

<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
MTX02	1551	Message Text	X	AN 1/4096
		To transmit large volumes of message text		
		AAI (RPL-59) = Additional Address Information (SECLOC)		



**Segment:** **N9 Reference Identification**

**Position:** 3300

**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\*L1\*ALOC\*RPLSEC

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N901	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification L1 Letters or Notes	M	ID 2/3
	N902	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ALOC Additional Location Detail	X	AN 1/30
	N903	369	<b>Free-form Description</b> Free-form descriptive text "RPLSEC"	X	AN 1/45

**Segment:** **MTX** Text  
**Position:** 3400  
**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\*\*ALOC (RPL-64)

**Data Element Summary**

<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
MTX02	1551	Message Text	X	AN 1/4096
		To transmit large volumes of message text		
		ALOC (RPL-64) = Additional Location Details (SECLOC)		

**Segment:** **N9 Reference Identification**

**Position:** 3300

**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\*L1\*ACC\*RPLSEC

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N901	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification L1 Letters or Notes	M	ID 2/3
	N902	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ACC Access Information	X	AN 1/30
	N903	369	<b>Free-form Description</b> Free-form descriptive text "RPLSEC"	X	AN 1/45

**Segment:** **MTX** Text  
**Position:** 3400  
**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\*\*ACC (RPL-73)

**Data Element Summary**

<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
MTX02	1551	Message Text	X	AN 1/4096
		To transmit large volumes of message text		
		ACC (RPL-73) = Access Information (SECLOC)		

**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\*IT\*SECLOC (RPL-44)\*93\*LIT (RPL-42)

**Data Element Summary**

Ref.	Data	Element	Name		
M	<u>Attributes</u>				
	N101	98	<b>Entity Identifier Code</b>	M	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
			IT Installation on Site		
	N102	93	<b>Name</b>	X	AN 1/60
		Free-form name			
			SECLOC (RPL-44) = Secondary Location		
N103	66	<b>Identification Code Qualifier</b>	X	ID 1/2	
		Code designating the system/method of code structure used for Identification Code (67)			
		93 Code assigned by the organization originating the transaction set			
N104	67	<b>Identification Code</b>	X	AN 2/80	
		Code identifying a party or other code			
			LIT (RPL-42) = Location Identification Type (SECLOC)		
			CL = (DWS : C - CLLI Code)		
			EU = (DWS : E - End User Name)		

**Segment:** **N2** Additional Name Information

**Position:** 3600

**Loop:** N1 Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 2

**Purpose:** To specify additional names

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

**Notes:** N2\*NAME (RPL-44a)

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
M	N201	93	Name Free-form name NAME (RPL-44a) = End User Name	M	AN 1/60

**Segment:** **N4 Geographic Location**

**Position:** 3800

**Loop:** N1 Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify the geographic place of the named party

- Syntax Notes:**
- 1 Only one of N402 or N407 may be present.
  - 2 If N406 is present, then N405 is required.
  - 3 If N407 is present, then N404 is required.

**Semantic Notes:**

- Comments:**
- 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
  - 2 N402 is required only if city name (N401) is in the U.S. or Canada.

**Notes:** N4\*\*STATE (RPL-62)\*ZIP (RPL-63)\*\*RJ\*CALA (RPL-63a)

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>		
<b>N402</b>	<b>156</b>	<b>State or Province Code</b>		<b>X</b>	<b>ID 2/2</b>
			Code (Standard State/Province) as defined by appropriate government agency		
			STATE (RPL-62) = State/Province (SECLOC)		
<b>N403</b>	<b>116</b>	<b>Postal Code</b>		<b>O</b>	<b>ID 3/15</b>
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
			ZIP (RPL-63) = ZIP/Postal Code (SECLOC)		
<b>N405</b>	<b>309</b>	<b>Location Qualifier</b>		<b>X</b>	<b>ID 1/2</b>
			Code identifying type of location		
			RJ Region		
<b>N406</b>	<b>310</b>	<b>Location Identifier</b>		<b>O</b>	<b>AN 1/30</b>
			Code which identifies a specific location		
			CALA (RPL-63a) = Customer Address Location Area (SECLOC)		

**Segment:** **NX2** Location ID Component

**Position:** 3850

**Loop:** N1 Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To define types and values of a geographic location

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

**Notes:**

NX2\*01\*SANO (RPL-47)  
NX2\*02\*SASN (RPL-50)  
NX2\*03\*SASD (RPL-49)  
NX2\*05\*BOX (RPL-60c)  
NX2\*06\*ROUTE (RPL-60b)  
NX2\*07\*CITY (RPL-61)  
NX2\*39\*AHN (RPL-60a)  
NX2\*40\*SASS (RPL-52)  
NX2\*59\*SAPR (RPL-46)  
NX2\*61\*SASF (RPL-48)  
NX2\*62\*SATH (RPL-51)  
NX2\*LD1 (RPL-53)\*LV1 (RPL-54)  
NX2\*LD2 (RPL-55)\*LV2 (RPL-56)  
NX2\*LD3 (RPL-57)\*LV3 (RPL-58)

#### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
M	<u>Des.</u>				
	<u>Attributes</u>				
	NX201	1106		<b>Address Component Qualifier</b>	M ID 2/2
				Code qualifying the type of address component	
				LD1 (RPL-53) = Location Designator 1 (SECLOC)	
				13 = (DWS : APT)	
				34 = (DWS : LOT)	
				35 = (DWS : RM)	
				36 = (DWS : SLIP)	
				37 = (DWS : UNIT)	
				14 = (DWS : SUIT)	
				LD2 (RPL-55) = Location Designator 2 (SECLOC)	
				32 = (DWS : FLR)	
				LD3 (RPL-57) = Location Designator 3 (SECLOC)	
				12 = (DWS : BLDG)	
				63 = (DWS : WNG)	
				30 = (DWS : PIER)	
				01 Street Number	
				02 Street Name	
				03 Prefix Direction	
				05 P.O. Box Number	
				06 Rural Route Number	
				07 City Name	



12	Building Name
13	Apartment Number
14	Suite Number
30	Pier
	The pier at which a ship or boat is docked
32	Floor
	A particular floor or level of a building
34	Lot
	A particular lot or piece of land
35	Room
	A walled room or partitioned area of a building
36	Slip
	The slip or location on a pier at which a ship or boat is docked
37	Unit
	A unit or separate structure
39	Unstructured Property
40	Street Suffix
59	Street Number Low
61	Street Number Fraction
62	Street Name Suffix
63	Secondary Unit Identifier

**M**      **NX202**      **166**      **Address Information**      **M**      **AN 1/55**

Address information

SANO (RPL-47) = Service Address Number (SECLOC)  
 SASN (RPL-50) = Service Address Street Name (SECLOC)  
 SASD (RPL-49) = Service Address Street Directional Prefix (SECLOC)  
 BOX (RPL-60c) = Box Number (SECLOC)  
 ROUTE (RPL-60b) = Rural Route (SECLOC)  
 CITY (RPL-61) = City (SECLOC)  
 AHN (RPL-60a) = Assigned House Number (SECLOC)  
 SASS (RPL-52) = Service Address Street Directional Suffix (SECLOC)  
 SAPR (RPL-46) = Service Address Number Prefix (SECLOC)  
 SASF (RPL-48) = Service Address Number Suffix (SECLOC)  
 SATH (RPL-51) = Service Address Street Type (SECLOC)  
 LV1 (RPL-54) = Location Value 1 (SECLOC)  
 LV2 (RPL-56) = Location Value 2 (SECLOC)  
 LV3 (RPL-58) = Location Value 3 (SECLOC)

**Segment:** **PER** Administrative Communications Contact

**Position:** 4000

**Loop:** N1 Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 3

**Purpose:** To identify a person or office to whom administrative communications should be directed

- Syntax Notes:**
- 1 If either PER03 or PER04 is present, then the other is required.
  - 2 If either PER05 or PER06 is present, then the other is required.
  - 3 If either PER07 or PER08 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:** PER\*CA\*LCON (RPL-65)\*TE\*ACTEL NO (RPL-66)  
PER\*AL\*ALCON (RPL-67)\*TE\*AACTEL (RPL-68)

#### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	<u>Attributes</u> PER01	366	<b>Contact Function Code</b>	M	ID 2/2
			Code identifying the major duty or responsibility of the person or group named		
			AL Alternate Contact		
			Person to be contacted when the main contact is not available		
			CA Customer Contact Granting Appointment		
	PER02	93	<b>Name</b>	O	AN 1/60
			Free-form name		
			LCON (RPL-65) = Local Contact (SECLOC)		
			ALCON (RPL-67) = Alternate Local Contact (SECLOC)		
	PER03	365	<b>Communication Number Qualifier</b>	X	ID 2/2
			Code identifying the type of communication number		
			TE Telephone		
	PER04	364	<b>Communication Number</b>	X	AN 1/256
			Complete communications number including country or area code when applicable		
			ACTEL NO (RPL-66) = Access Telephone Number (SECLOC)		
			AACTEL (RPL-68) = Alternate Access Telephone Number (SECLOC)		

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

**Position:** 4050

**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 characteristic qualifiers.

**Notes:** SI\*TI\*AF\*AFT (RPL-45)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	SI01	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values TI Telecommunications Industry	M	ID 2/2
M	SI02	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics AF Address Format Type	M	AN 2/2
M	SI03	234	<b>Product/Service ID</b> Identifying number for a product or service AFT (RPL-45) = Address Format Type (SECLOC)	M	AN 1/48

**Segment:** **PO1** **Baseline Item Data - RPL Form (Disconnect Information Section)**

**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\*RPL\_DISC

**Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
<b>Attributes</b>				
PO101	350	<b>Assigned Identification</b>	O	AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set		
		"n" = nth assigned ID within PO1 loop		
PO102	330	<b>Quantity Ordered</b>	X	R 1/15
		Quantity ordered		
		1 Always One		
PO103	355	<b>Unit or Basis for Measurement Code</b>	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	<b>Product/Service ID Qualifier</b>	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		ZZ Mutually Defined		
PO107	234	<b>Product/Service ID</b>	X	AN 1/48
		Identifying number for a product or service		
		"RPL_DISC"		

**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\*ED\*DISC ECCKT (RPL-90)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
<b>M</b>	<b>SI01</b>	<b>559</b>	<b>Agency Qualifier Code</b>	<b>M</b>	<b>ID 2/2</b>
			Code identifying the agency assigning the code values TI Telecommunications Industry		
<b>M</b>	<b>SI02</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>M</b>	<b>AN 2/2</b>
			Code from an industry code list qualifying the type of service characteristics ED Disconnect ECCKT		
<b>M</b>	<b>SI03</b>	<b>234</b>	<b>Product/Service ID</b>	<b>M</b>	<b>AN 1/48</b>
			Identifying number for a product or service DISC ECCKT (RPL-90) = Disconnect ECCKT		

**Segment:** **PO1** **Baseline Item Data - RPL Form (Remarks Information Section)**

**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\*RPL\_REM

**Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
<b>Attributes</b>				
PO101	350	<b>Assigned Identification</b>	O	AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set		
		"n" = nth assigned ID within PO1 loop		
PO102	330	<b>Quantity Ordered</b>	X	R 1/15
		Quantity ordered		
		1 Always One		
PO103	355	<b>Unit or Basis for Measurement Code</b>	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	<b>Product/Service ID Qualifier</b>	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		ZZ Mutually Defined		
PO107	234	<b>Product/Service ID</b>	X	AN 1/48
		Identifying number for a product or service		
		"RPL_REM"		

**Segment:** **N9 Reference Identification**

**Position:** 3300

**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\*H7\*ORI\*RPL\*\*\*\*2W>MANUAL IND (RPL-91a)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N901	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification H7 Standard Clause	M	ID 2/3
	N902	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ORI Order Instructions	X	AN 1/30
	N903	369	<b>Free-form Description</b> Free-form descriptive text	X	AN 1/45
	N907	C040	<b>Reference Identifier</b> To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O	
M	C04001	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification 2W Change Order Authority	M	ID 2/3
M	C04002	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier MANUAL IND (RPL-91a) = Manual Indicator	M	AN 1/30

**Segment:** **MTX** Text  
**Position:** 3400  
**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\*\*REMARKS (RPL-91)

**Data Element Summary**

<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
MTX02	1551	Message Text	X	AN 1/4096
		To transmit large volumes of message text		
		REMARKS (RPL-91) = Remarks		



**Segment:** **PO1** **Baseline Item Data - RPL, Form (Primary Location - Service Details Section)**

**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\*RPL\_PLSD

**Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
<b>Attributes</b>				
PO101	350	<b>Assigned Identification</b>	O	AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set "n" = nth assigned ID within PO1 loop		
PO102	330	<b>Quantity Ordered</b>	X	R 1/15
		Quantity ordered 1 Always One		
PO103	355	<b>Unit or Basis for Measurement Code</b>	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	<b>Product/Service ID Qualifier</b>	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234) ZZ Mutually Defined		
PO107	234	<b>Product/Service ID</b>	X	AN 1/48
		Identifying number for a product or service "RPL_PLSD"		

**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\*LT\*02 (designates "primary")  
 SI\*TI\*SA\*LNA (RPL-94)  
 SI\*TI\*CN\*ECCKT (RPL-104)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	SI01	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values TI Telecommunications Industry	M	ID 2/2
M	SI02	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics CN Circuit Number Identification LT Location Type SA Service Activity	M	AN 2/2
M	SI03	234	<b>Product/Service ID</b> Identifying number for a product or service LNA (RPL-94) = Line Activity (PRILOC) A = (DWS : N - New Installation) C = (DWS : C - Change or modification to an existing wholesale service) V = (DWS : V - Conversion as specified)  02 = Primary ECCKT (RPL-104) = Exchange Company Circuit ID (PRILOC)	M	AN 1/48

**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\*X\*\*TI\*CFA\*CFA (RPL-105)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	<b>PID01</b>	<b>349</b>	<b>Item Description Type</b>	<b>M</b>	<b>ID 1/1</b>
			Code indicating the format of a description		
			X Semi-structured (Code and Text)		
	<b>PID03</b>	<b>559</b>	<b>Agency Qualifier Code</b>	<b>X</b>	<b>ID 2/2</b>
			Code identifying the agency assigning the code values		
		TI Telecommunications Industry			
	<b>PID04</b>	<b>751</b>	<b>Product Description Code</b>	<b>X</b>	<b>AN 1/12</b>
			A code from an industry code list which provides specific data about a product characteristic		
			"CFA"		
	<b>PID05</b>	<b>352</b>	<b>Description</b>	<b>X</b>	<b>AN 1/80</b>
			A free-form description to clarify the related data elements and their content		
			CFA (RPL-105) = Connecting Facility Assignment (PRILOC)		

**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\*AE\*SAN (RPL-94a)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification AE Authorization for Expense (AFE) Number	<b>M</b>	<b>ID 2/3</b>
	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier SAN (RPL-94a) = Subscriber Authorization Number	<b>X</b>	<b>AN 1/30</b>

**Segment:** **SLN** Subline Item Detail

**Position:** 4700  
**Loop:** SLN Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1

**Purpose:** To specify product subline detail item data

**Syntax Notes:**

- 1 If either SLN04 or SLN05 is present, then the other is required.
- 2 If SLN07 is present, then SLN06 is required.
- 3 If SLN08 is present, then SLN06 is required.
- 4 If either SLN09 or SLN10 is present, then the other is required.
- 5 If either SLN11 or SLN12 is present, then the other is required.
- 6 If either SLN13 or SLN14 is present, then the other is required.
- 7 If either SLN15 or SLN16 is present, then the other is required.
- 8 If either SLN17 or SLN18 is present, then the other is required.
- 9 If either SLN19 or SLN20 is present, then the other is required.
- 10 If either SLN21 or SLN22 is present, then the other is required.
- 11 If either SLN23 or SLN24 is present, then the other is required.
- 12 If either SLN25 or SLN26 is present, then the other is required.
- 13 If either SLN27 or SLN28 is present, then the other is required.

**Semantic Notes:**

- 1 SLN01 is the identifying number for the subline item.
- 2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
- 3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
- 4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

**Comments:**

- 1 See the Data Element Dictionary for a complete list of IDs.
- 2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
- 3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

**Notes:** SLN\*IW\*n\*A\*IWJQ (RPL-101)\*EA\*\*\*\*EQ\*IWJK (RPL-102) [SLN loop may repeat per Inside Wiring Pair]

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	SLN01	350	<b>Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set "IW"	M	AN 1/20
	SLN02	350	<b>Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set "n" = nth assigned ID within SLN loop	O	AN 1/20
M	SLN03	662	<b>Relationship Code</b> Code indicating the relationship between entities A Add	M	ID 1/1
	SLN04	380	<b>Quantity</b>	X	R 1/15

			Numeric value of quantity		
			IWJQ (RPL-101) = Inside Wire Jack Quantity (PRILOC)		
	<b>SLN05</b>	<b>C001</b>	<b>Composite Unit of Measure</b>	<b>X</b>	
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
<b>M</b>	<b>C00101</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>M</b>	<b>ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			EA                      Each		
	<b>SLN09</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			EQ                      Equipment Type		
	<b>SLN10</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/48</b>
			Identifying number for a product or service		
			IWJK (RPL-102) = Inside Wire Jack Code (PRILOC)		

**Segment:** **PO1** **Baseline Item Data - RPL, Form (Secondary Location - Service Details Section)**

**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\*RPL\_SLSD [PO1 loop repeats SECLOCSEVDETQTY (RPL-108a) times]

**Data Element Summary**

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

**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\*LT\*04 (designates "secondary")  
 SI\*TI\*SA\*LNA (RPL-111)  
 SI\*TI\*CN\*ECCKT (RPL-119)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	SI01	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values TI Telecommunications Industry	M	ID 2/2
M	SI02	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics CN Circuit Number Identification LT Location Type SA Service Activity	M	AN 2/2
M	SI03	234	<b>Product/Service ID</b> Identifying number for a product or service LNA (RPL-111) = Line Activity (SECLOC) A = (DWS : N - New Installation) C = (DWS : C - Change or modification to an existing wholesale service) V = (DWS : V - Conversion as specified)  04 = Secondary ECCKT (RPL-119) = Exchange Company Circuit ID (SECLOC)	M	AN 1/48



**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\*X\*\*TI\*CFA\*CFA (RPL-120)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	<b>PID01</b>	<b>349</b>	<b>Item Description Type</b>	M	ID 1/1
			Code indicating the format of a description		
			X Semi-structured (Code and Text)		
	<b>PID03</b>	<b>559</b>	<b>Agency Qualifier Code</b>	X	ID 2/2
			Code identifying the agency assigning the code values		
		TI Telecommunications Industry			
	<b>PID04</b>	<b>751</b>	<b>Product Description Code</b>	X	AN 1/12
			A code from an industry code list which provides specific data about a product characteristic		
			"CFA"		
	<b>PID05</b>	<b>352</b>	<b>Description</b>	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
			CFA (RPL-120) = Connecting Facility Assignment (SECLOC)		

**Segment:** **SLN Subline Item Detail**

**Position:** 4700  
**Loop:** SLN Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1

**Purpose:** To specify product subline detail item data  
**Syntax Notes:**

- 1 If either SLN04 or SLN05 is present, then the other is required.
- 2 If SLN07 is present, then SLN06 is required.
- 3 If SLN08 is present, then SLN06 is required.
- 4 If either SLN09 or SLN10 is present, then the other is required.
- 5 If either SLN11 or SLN12 is present, then the other is required.
- 6 If either SLN13 or SLN14 is present, then the other is required.
- 7 If either SLN15 or SLN16 is present, then the other is required.
- 8 If either SLN17 or SLN18 is present, then the other is required.
- 9 If either SLN19 or SLN20 is present, then the other is required.
- 10 If either SLN21 or SLN22 is present, then the other is required.
- 11 If either SLN23 or SLN24 is present, then the other is required.
- 12 If either SLN25 or SLN26 is present, then the other is required.
- 13 If either SLN27 or SLN28 is present, then the other is required.

**Semantic Notes:**

- 1 SLN01 is the identifying number for the subline item.
- 2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
- 3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
- 4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

**Comments:**

- 1 See the Data Element Dictionary for a complete list of IDs.
- 2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
- 3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

**Notes:** SLN\*IW\*n\*A\*IWJQ (RPL-116)\*EA\*\*\*\*EQ\*IWJK (RPL-117) [SLN loop may repeat per Inside Wiring Pair]

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	SLN01	350	<b>Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set "IW"	M	AN 1/20
	SLN02	350	<b>Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set "n" = nth assigned ID within SLN loop	O	AN 1/20
M	SLN03	662	<b>Relationship Code</b> Code indicating the relationship between entities A Add	M	ID 1/1
	SLN04	380	<b>Quantity</b>	X	R 1/15

			Numeric value of quantity		
			IWJQ (RPL-116) = Inside Wire Jack Quantity (SECLOC)		
	<b>SLN05</b>	<b>C001</b>	<b>Composite Unit of Measure</b>	<b>X</b>	
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
<b>M</b>	<b>C00101</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>M</b>	<b>ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			EA                      Each		
	<b>SLN09</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			EQ                      Equipment Type		
	<b>SLN10</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/48</b>
			Identifying number for a product or service		
			IWJK (RPL-117) = Inside Wire Jack Code (SECLOC)		

**Segment:** **PO1** **Baseline Item Data - Dummy**

**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\*DUMMY\*1\*EA\*\*\*ZZ\*DD

**Data Element Summary**

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

**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**

	<u>Ref.</u>	<u>Data</u>		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	<u>Attributes</u> CTT01	354	Number of Line Items Total number of line items in the transaction set	M NO 1/6

**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\*Number of Segments\*TRAN SET CONTROL #

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
M	SE01	96	<b>Number of Included Segments</b> Total number of segments included in a transaction set including ST and SE segments	M	NO 1/10
M	SE02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN 4/9

42.6.2 860 EEL UNE Combination Supplemental Service Request (860EEL)

Functional Group ID=**PC**

**Introduction:**

The 860EEL will be used by the Co-Provider to initiate an EEL/UNE Combination Supplemental Service Request to Qwest.

This implementation guideline is based on the following:

1. ANSI ASC X12 Version 4020
2. LSOG 5 and Qwest assigned fields
3. TCIF/SOSC Guidelines ELMS 5

**Notes:**

This 860 Transaction includes the mappings for Local Service Request and Resale Private Line.

**Heading:**

	<b>Pos. No.</b>	<b>Seg. ID</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Max.Use</b>	<b>Loop Notes and RepeatComments</b>
M	0100	ST	Transaction Set Header	M	1	
M	0200	BCH	Beginning Segment for Purchase Order Change	M	1	
	0500	REF	Reference Identification	O	>1	
	0950	PAM	Period Amount	O	10	
<b>LOOP ID - SAC</b>						<b>25</b>
	1200	SAC	Service, Promotion, Allowance, or Charge Information	O	1	
	1500	DTM	Date/Time Reference	O	10	
	1850	SI	Service Characteristic Identification	O	>1	
	1900	PID	Product/Item Description	O	200	
	2100	PWK	Paperwork	O	25	
<b>LOOP ID - N9</b>						<b>1000</b>
	2850	N9	Reference Identification	O	1	
	2900	MTX	Text	O	>1	
<b>LOOP ID - N1</b>						<b>200</b>
	3000	N1	Name	O	1	
	3500	PER	Administrative Communications Contact	O	>1	
<b>LOOP ID - N1</b>						<b>200</b>
	3000	N1	Name	O	1	
<b>LOOP ID - N1</b>						<b>200</b>
	3000	N1	Name	O	1	
	3500	PER	Administrative Communications Contact	O	>1	
<b>LOOP ID - N1</b>						<b>200</b>
	3000	N1	Name	O	1	

3100	N2	Additional Name Information	O	2
3300	N4	Geographic Location	O	>1
3350	NX2	Location ID Component	O	>1
3500	PER	Administrative Communications Contact	O	>1
3550	SI	Service Characteristic Identification	O	>1

**Detail:**

<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Notes and RepeatComments</u>
LOOP ID - POC					>1
0100	POC	Line Item Change - RPL Form (Primary Location Section)	O	1	
0180	SI	Service Characteristic Identification	O	>1	
LOOP ID - PID					1000
0500	PID	Product/Item Description	O	1	
1000	REF	Reference Identification	O	>1	
LOOP ID - N9					1000
3200	N9	Reference Identification	O	1	
3260	MTX	Text	O	>1	
LOOP ID - N9					1000
3200	N9	Reference Identification	O	1	
3260	MTX	Text	O	>1	
LOOP ID - N9					1000
3200	N9	Reference Identification	O	1	
3260	MTX	Text	O	>1	
LOOP ID - N1					200
3400	N1	Name	O	1	
3500	N2	Additional Name Information	O	2	
3700	N4	Geographic Location	O	1	
3750	NX2	Location ID Component	O	>1	
3900	PER	Administrative Communications Contact	O	3	
3950	SI	Service Characteristic Identification	O	>1	
LOOP ID - POC					>1
0100	POC	Line Item Change - RPL Form (Secondary Location Section)	O	1	
0180	SI	Service Characteristic Identification	O	>1	
LOOP ID - PID					1000
0500	PID	Product/Item Description	O	1	
1000	REF	Reference Identification	O	>1	
LOOP ID - N9					1000
3200	N9	Reference Identification	O	1	
3260	MTX	Text	O	>1	
LOOP ID - N9					1000
3200	N9	Reference Identification	O	1	



3260	MTX	Text	O	>1	
					LOOP ID - N9 1000
3200	N9	Reference Identification	O	1	
3260	MTX	Text	O	>1	
					LOOP ID - N1 200
3400	N1	Name	O	1	
3500	N2	Additional Name Information	O	2	
3700	N4	Geographic Location	O	1	
3750	NX2	Location ID Component	O	>1	
3900	PER	Administrative Communications Contact	O	3	
3950	SI	Service Characteristic Identification	O	>1	
					LOOP ID - POC >1
0100	POC	Line Item Change - RPL Form (Disconnect Information Section)	O	1	
0180	SI	Service Characteristic Identification	O	>1	
					LOOP ID - POC >1
0100	POC	Line Item Change - RPL Form (Remarks Information Section)	O	1	
					LOOP ID - N9 1000
3200	N9	Reference Identification	O	1	
3260	MTX	Text	O	>1	
					LOOP ID - POC >1
0100	POC	Line Item Change - RPL Form (Primary Location - Service Details Section)	O	1	
0180	SI	Service Characteristic Identification	O	>1	
					LOOP ID - PID 1000
0500	PID	Product/Item Description	O	1	
1000	REF	Reference Identification	O	>1	
					LOOP ID - SLN >1
4600	SLN	Subline Item Detail	O	1	
					LOOP ID - POC >1
0100	POC	Line Item Change - RPL Form (Secondary Location Service Details Section)	O	1	
0180	SI	Service Characteristic Identification	O	>1	
					LOOP ID - PID 1000
0500	PID	Product/Item Description	O	1	
					LOOP ID - SLN >1
4600	SLN	Subline Item Detail	O	1	

**Summary:**

Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
					1	
0100	CTT	Transaction Totals	O	1		n1
M	0300	SE	Transaction Set Trailer	M	1	

## Transaction Set Notes

1. Number of line items (CTT01) is the accumulation of the number of POC segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (POC03) for each POC 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\*860\*TRAN SET CONTROL#

#### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
<b>M</b>	<b>ST01</b>	<b>143</b>	<b>Transaction Set Identifier Code</b>	<b>M</b>	<b>ID 3/3</b>
			Code uniquely identifying a Transaction Set 860 Purchase Order Change Request - Buyer Initiated		
<b>M</b>	<b>ST02</b>	<b>329</b>	<b>Transaction Set Control Number</b>	<b>M</b>	<b>AN 4/9</b>
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		

**Segment:** **BCH** Beginning Segment for Purchase Order Change

**Position:** 0200

**Loop:**

**Level:** Heading

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To indicate the beginning of the Purchase Order Change Transaction Set and transmit identifying numbers and dates

**Syntax Notes:**

**Semantic Notes:**

- 1 BCH06 is the date assigned by the purchaser to purchase order.
- 2 BCH09 is the seller's order number.
- 3 BCH10 is the date assigned by the sender to the acknowledgment.
- 4 BCH11 is the date of the purchase order change request.

**Comments:**

**Notes:** BCH\*SUP (LSR-25)\*SS\*PON (LSR-2)\*\*VER (LSR-3)\*PO Date(See Trading Partner Access Information)

### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	<u>Attributes</u> BCH01	353	<b>Transaction Set Purpose Code</b> Code identifying purpose of transaction set SUP (LSR-25) = Supplement Type 01 = (DWS : 1 - Cancel) 04 = (DWS : 2 - DDD Change) 05 = (DWS : 3 - Other	M	ID 2/2
M	BCH02	92	<b>Purchase Order Type Code</b> Code specifying the type of Purchase Order SS Supply or Service Order	M	ID 2/2
M	BCH03	324	<b>Purchase Order Number</b> Identifying number for Purchase Order assigned by the orderer/purchaser PON (LSR-2) = Purchase Order Number	M	AN 1/22
	BCH05	327	<b>Change Order Sequence Number</b> Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set VER (LSR-3) = Version Identification	O	AN 1/8
M	BCH06	373	<b>Date</b> Date expressed as CCYYMMDD PO Date = Purchase Order Date(See Trading Partner Access Information)	M	DT 8/8

**Segment:** **REF** Reference Identification

**Position:** 0500

**Loop:**

**Level:** Heading

**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*11*AN (LSR-7)*AN
REF*JB*PROJECT (LSR-20)
REF*SU*RTR (LSR-28)*RTR
REF*CO*RPON (LSR-51)*RPON
REF*12*BAN1 (LSR-61)*BAN1
REF*1V*RORD (LSR-52)*RORD
```

#### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	<b>REF01</b>	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification 11 Account Number Number identifies a telecommunications industry account 12 Billing Account Account number under which billing is rendered 1V Related Vendor Order Number A vendor's order number that is in addition to a primary order number CO Customer Order Number JB Job (Project) Number SU Special Processing Code Unique code identifying the special handling requirements for the claim	M	ID 2/3
	<b>REF02</b>	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier AN (LSR-7) = Account Number PROJECT (LSR-20) = Project Identification RTR (LSR-28) = Response Type Requested RPON (LSR-51) = Related Purchase Order Number BAN1 (LSR-61) = Billing Account Number 1 RORD (LSR-52) = Related Order Number	X	AN 1/30
	<b>REF03</b>	352	<b>Description</b> A free-form description to clarify the related data elements and their content "AN" "RTR"	X	AN 1/80

"RPN"  
"BAN1"  
"RORD"

**Segment:** **PAM** Period Amount

**Position:** 0950

**Loop:**

**Level:** Heading

**Usage:** Optional

**Max Use:** 10

**Purpose:** To indicate a quantity, and/or amount for an identified period

**Syntax Notes:**

- 1 If any of PAM01 PAM02 or PAM03 is present, then all are required.
- 2 At least one of PAM02 PAM05 or PAM14 is required.
- 3 If either PAM04 or PAM05 is present, then the other is required.
- 4 If either PAM06 or PAM07 is present, then the other is required.
- 5 If PAM07 is present, then at least one of PAM08 or PAM09 is required.
- 6 If PAM07 is present, then PAM06 is required.
- 7 If PAM08 is present, then PAM07 is required.
- 8 If PAM09 is present, then PAM07 is required.
- 9 If PAM10 is present, then at least one of PAM11 or PAM12 is required.
- 10 If PAM11 is present, then PAM10 is required.
- 11 If either PAM13 or PAM14 is present, then the other is required.

**Semantic Notes:**

- 1 PAM10, PAM11, or PAM12 are used when two dates are required.
- 2 PAM15 indicates whether the monetary amount identified in PAM05 is a net or gross value. A "Y" indicates amount is a gross value; an "N" indicates amount is a net value.

**Comments:**

**Notes:**

PAM\*48\*PG\_of\_(1st 2 Bytes) (LSR-10)\*EA  
 PAM\*47\*PG\_of\_(2nd 2 Bytes) (LSR-10)\*EA  
 PAM\*QO\*RSQTY (RPL-5)\*EA  
 PAM\*KC\*DQTY (RPL-6)\*EA  
 PAM\*1Q\*SECLOCQTY (RPL-41a)\*EA  
 PAM\*1R\*SECLOCSEVDETQTY (RPL-108a)\*EA

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>		
<b>PAM01</b>	<b>673</b>	<b>Quantity Qualifier</b>		<b>X</b>	<b>ID 2/2</b>
			Code specifying the type of quantity		
		1Q	Total Resource (Quantity)		
			Total amount of the resources available for the total duration of the task or activity		
		1R	Level Resource (Quantity)		
			The amount of resources available for each time unit for the duration of the task or activity		
		47	Primary Net Quantity		
		48	Secondary Net Quantity		
		KC	Net Quantity Decrease		
			The resultant quantity represents a net decrease to a previously transmitted quantity, after adjustments have been made		
		QO	Operating Quantity		
<b>PAM02</b>	<b>380</b>	<b>Quantity</b>		<b>X</b>	<b>R 1/15</b>

Numeric value of quantity

First 2 bytes of PG\_of\_ (LSR-10)

Second 2 bytes of PG\_of\_ (LSR-10)

RSQTY (RPL-5) = Resale Quantity

DQTY (RPL-6) = Disconnect Quantity

SECLOCQTY (RPL-41a) = Secondary Location Quantity

SECLOCSEVDETQTY (RPL-108a) = Secondary Location Service  
Details Quantity

	<b>PAM03</b>	<b>C001</b>	<b>Composite Unit of Measure</b>	<b>X</b>	
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
<b>M</b>	<b>C00101</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>M</b>	<b>ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			EA                      Each		



**Segment:** **SAC** Service, Promotion, Allowance, or Charge Information  
**Position:** 1200  
**Loop:** SAC Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

- Syntax Notes:**
- 1 At least one of SAC02 or SAC03 is required.
  - 2 If either SAC03 or SAC04 is present, then the other is required.
  - 3 If either SAC06 or SAC07 is present, then the other is required.
  - 4 If either SAC09 or SAC10 is present, then the other is required.
  - 5 If SAC11 is present, then SAC10 is required.
  - 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
  - 7 If SAC14 is present, then SAC13 is required.
  - 8 If SAC16 is present, then SAC15 is required.

- Semantic Notes:**
- 1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
  - 2 SAC05 is the total amount for the service, promotion, allowance, or charge.  
If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
  - 3 SAC08 is the allowance or charge rate per unit.
  - 4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.  
SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
  - 5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
  - 6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
  - 7 SAC16 is used to identify the language being used in SAC15.

- Comments:**
- 1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction with SAC03 to further define SAC02.
  - 2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

**Notes:** SAC\*N\*\*TI\*EXP [If this segment appears then EXP (LSR-26) = "Y"]  
SAC\*N\*\*TI\*VT\*\*\*\*\*VTA (LSR-80)  
SAC\*N\*\*TI\*EEH [If this segment appears then AENG (LSR-32) = "Y"]  
SAC\*N\*\*TI\*OAC [If this segment appears then ALBR (LSR-33) = "Y"]

#### Data Element Summary

Ref.	Data
<u>Des.</u>	<u>Element Name</u>
<u>Attributes</u>	

<b>M</b>	<b>SAC01</b>	<b>248</b>	<b>Allowance or Charge Indicator</b>	<b>M</b>	<b>ID 1/1</b>
			Code which indicates an allowance or charge for the service specified		
			N                      No Allowance or Charge		
	<b>SAC03</b>	<b>559</b>	<b>Agency Qualifier Code</b>	<b>X</b>	<b>ID 2/2</b>
			Code identifying the agency assigning the code values		
			TI                      Telecommunications Industry		
	<b>SAC04</b>	<b>1301</b>	<b>Agency Service, Promotion, Allowance, or Charge Code</b>	<b>X</b>	<b>AN 1/10</b>
			Agency maintained code identifying the service, promotion, allowance, or charge		
			EEH                      Engineering Charge		
			EXP                      Expedited Service Charge		
			OAC                      Overtime Loading		
			VT                      Variable Term Contract Pricing Plan		
	<b>SAC15</b>	<b>352</b>	<b>Description</b>	<b>X</b>	<b>AN 1/80</b>
			A free-form description to clarify the related data elements and their content		
			VTA (LSR-80) = Variable Term Agreement		

**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} (LSR-12)\*D/TSENT{HHMM} (LSR-12)  
DTM\*150\*DDD{CCYYMMDD} (LSR-14)  
DTM\*270\*DATED{CCYYMMDD} (LSR-36)

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
<b>M</b>	<b>DTM01</b>	<b>374</b>	<b>Date/Time Qualifier</b>	<b>M</b>	<b>ID 3/3</b>
			Code specifying type of date or time, or both date and time		
			097 Transaction Creation		
			150 Service Period Start		
			270 Date Filed		
	<b>DTM02</b>	<b>373</b>	<b>Date</b>	<b>X</b>	<b>DT 8/8</b>
			Date expressed as CCYYMMDD		
			D/TSENT (LSR-12) = Date Sent		
			DDD (LSR-14) = Desired Due Date		
			DATED (LSR-36) = Date of Agency Authorization		
	<b>DTM03</b>	<b>337</b>	<b>Time</b>	<b>X</b>	<b>TM 4/8</b>
			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 (LSR-12) = Time Sent {HHMM}		

**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\*RE\*REQTYP (LSR-23)  
 SI\*TI\*AA\*ACT (LSR-24)  
 SI\*TI\*TY\*TOS (LSR-44)  
 SI\*TI\*NC\*NC (LSR-46)  
 SI\*TI\*NJ\*NCI (LSR-48)  
 SI\*TI\*NJ\*SECNCI (LSR-50)

#### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
	<b>Attributes</b>				
M	SI01	559	<b>Agency Qualifier Code</b>	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	<b>Service Characteristics Qualifier</b>	M	AN 2/2
			Code from an industry code list qualifying the type of service characteristics		
			AA Account Activity		
			NC Network Channel Code		
			NI Network Channel Interface Code		
			NJ Secondary Network Channel Interface Code		
			RE Requisition Type and Status		
			TY Type of Service		
M	SI03	234	<b>Product/Service ID</b>	M	AN 1/48
			Identifying number for a product or service		
			ACT (LSR-24) = Activity		
			A = (DWS : N - New Installation)		
			D = (DWS : D - Disconnect of entire account)		
			W = (DWS : W - Conversion as is)		
			V = (DWS : V - Conversion As Specified)		
			C = (DWS : C - Change)		
			T = (DWS : T - Outside Move (T/F))		
			M = (DWS : M - Inside Move (CO, IA & MN only))		

REQTYP (LSR-23) = Requisition Type and Status  
TOS (LSR-44) = Type of Service  
NC (LSR-46) = Network Channel Code  
NCI (LSR-48) = Network Channel Interface Code  
SECNCI (LSR-50) = Secondary Network Channel Interface Code

**Segment:** **PID** Product/Item Description

**Position:** 1900

**Loop:**

**Level:** Heading

**Usage:** Optional

**Max Use:** 200

**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 (LSR-35)  
 PID\*S\*\*TI\*BI\*\*\*SO-RSQ\*FBI (RPL-76)  
 PID\*S\*\*TI\*PENDING\*\*\*SO-RSQ\*PENDING ORDER (LSR-108b)

**Data Element Summary**

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
<b>M</b>	<b>PID01</b>	<b>349</b>	<b>Item Description Type</b>	<b>M ID 1/1</b>
			Code indicating the format of a description	
			S Structured (From Industry Code List)	
	<b>PID03</b>	<b>559</b>	<b>Agency Qualifier Code</b>	<b>X ID 2/2</b>
			Code identifying the agency assigning the code values	
			TI Telecommunications Industry	
	<b>PID04</b>	<b>751</b>	<b>Product Description Code</b>	<b>X AN 1/12</b>
			A code from an industry code list which provides specific data about a product characteristic	
			AO Agency Authorization Status	
			BI Final Bill Information Indicator	
			PENDING Pending Order	
	<b>PID07</b>	<b>822</b>	<b>Source Subqualifier</b>	<b>O AN 1/15</b>
			A reference that indicates the table or text maintained by the Source Qualifier	
			SO-RSQ Service Order - Reseller Questions	

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

Code indicating a Yes or No condition or response

FBI (RPL-76) = Final Bill Information Indicator

N = (DWS : E - Existing)

Y = (DWS : D - Different)

AGAUTH (LSR-35) = Agency Authorization Status

PENDING ORDER (LSR-108b) = Pending Order

**Segment:** **PWK** Paperwork  
**Position:** 2100  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 25  
**Purpose:** To identify the type or transmission or both of paperwork or supporting information

- Syntax Notes:** 1 If either PWK05 or PWK06 is present, then the other is required.  
**Semantic Notes:**  
**Comments:** 1 PWK05 and PWK06 may be used to identify the addressee by a code number.  
 2 PWK07 may be used to indicate special information to be shown on the specified report.  
 3 PWK08 may be used to indicate action pertaining to a report.  
**Notes:** PWK\*DW\*NS\*1\*DG\*91\*DRC (LSR-98)

#### Data Element Summary

Ref.	Data Element	Name		
M	<u>Attributes</u> PWK01	755	<b>Report Type Code</b>	M ID 2/2
			Code indicating the title or contents of a document, report or supporting item DW Drawing(s)	
	PWK02	756	<b>Report Transmission Code</b>	O ID 1/2
			Code defining timing, transmission method or format by which reports are to be sent NS Not Specified Indicates that a report will be transmitted via a nonspecified medium	
	PWK03	757	<b>Report Copies Needed</b>	O NO 1/2
			The number of copies of a report that should be sent to the addressee 1 Always One	
	PWK04	98	<b>Entity Identifier Code</b>	O ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual DG Design Engineering Identifies the design engineer or office of the design engineer who will receive design specifications	
	PWK05	66	<b>Identification Code Qualifier</b>	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67) 91 Assigned by Seller or Seller's Agent	
	PWK06	67	<b>Identification Code</b>	X AN 2/80
			Code identifying a party or other code DRC (LSR-98) = Design Routing	



**Segment:** **N9 Reference Identification**

**Position:** 2850

**Loop:** N9 Optional

**Level:** Heading

**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\*H7\*ORI\*LSR\*\*\*\*2W>MANUAL IND (LSR-108a)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N901	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification H7 Standard Clause	M	ID 2/3
	N902	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ORI Order Instructions	X	AN 1/30
	N903	369	<b>Free-form Description</b> Free-form descriptive text "LSR"	X	AN 1/45
	N907	C040	<b>Reference Identifier</b> To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O	
M	C04001	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification 2W Change Order Authority	M	ID 2/3
M	C04002	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier MANUAL IND (LSR-108a) = Manual Indicator	M	AN 1/30

**Segment:** **MTX** Text  
**Position:** 2900  
**Loop:** N9 Optional  
**Level:** Heading  
**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\*\*REMARKS (LSR-108)

**Data Element Summary**

<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
MTX02	1551	Message Text	X	AN 1/4096
		To transmit large volumes of message text		
		REMARKS (LSR-108) = Remarks		

**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 (LSR-1)

**Data Element Summary**

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

**Segment:** **PER** Administrative Communications Contact  
**Position:** 3500  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To identify a person or office to whom administrative communications should be directed

- Syntax Notes:**
- 1 If either PER03 or PER04 is present, then the other is required.
  - 2 If either PER05 or PER06 is present, then the other is required.
  - 3 If either PER07 or PER08 is present, then the other is required.

**Semantic Notes:**  
**Comments:**

**Notes:** PER\*AG\*INIT (LSR-81)\*TE\*TEL NO (LSR-82)\*FX\*FAX NO (LSR-84)\*EM\*EMAIL (LSR-83)

PER\*CN\*IMPCON (LSR-91)\*TE\*TEL NO (LSR-92)\*BN\*PAGER (LSR-93)  
 PER\*AL\*ALT IMPCON (LSR-94)\*TE\*TEL NO (LSR-95)\*BN\*PAGER (LSR-96)

#### Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	<b>PER01</b>	<b>366</b>	<b>Contact Function Code</b> <span style="float: right;"><b>M</b> ID 2/2</span>
			Code identifying the major duty or responsibility of the person or group named
		AG	Agent
		AL	Alternate Contact
			Person to be contacted when the main contact is not available
		CN	General Contact
	<b>PER02</b>	<b>93</b>	<b>Name</b> <span style="float: right;"><b>O</b> AN 1/60</span>
			Free-form name
			INIT (LSR-81) = Initiator Identification
			IMPCON (LSR-91) = Implementation Contact
			ALT IMPCON (LSR-94) = Alternate Implementation Contact
	<b>PER03</b>	<b>365</b>	<b>Communication Number Qualifier</b> <span style="float: right;"><b>X</b> ID 2/2</span>
			Code identifying the type of communication number
		TE	Telephone
	<b>PER04</b>	<b>364</b>	<b>Communication Number</b> <span style="float: right;"><b>X</b> AN 1/256</span>
			Complete communications number including country or area code when applicable
			TEL NO (LSR-82) = Telephone Number
			TEL NO (LSR-92) = Telephone Number
			TEL NO (LSR-95) = Telephone Number
	<b>PER05</b>	<b>365</b>	<b>Communication Number Qualifier</b> <span style="float: right;"><b>X</b> ID 2/2</span>
			Code identifying the type of communication number
		BN	Beeper Number
		FX	Facsimile
	<b>PER06</b>	<b>364</b>	<b>Communication Number</b> <span style="float: right;"><b>X</b> AN 1/256</span>
			Complete communications number including country or area code when

		applicable		
		FAX NO (LSR-84) = Facsimile Number		
		PAGER (LSR-93) = Pager Number		
		PAGER (LSR-96) = Pager Number		
<b>PER07</b>	<b>365</b>	<b>Communication Number Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code identifying the type of communication number		
		EM                      Electronic Mail		
<b>PER08</b>	<b>364</b>	<b>Communication Number</b>	<b>X</b>	<b>AN 1/256</b>
		Complete communications number including country or area code when applicable		
		EMAIL (LSR-83) = Electronic Mail Address		

**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\*AN\*AUTHNM (LSR-37)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N101	98	<b>Entity Identifier Code</b> 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	M	ID 2/3
	N102	93	<b>Name</b> Free-form name AUTHNM (LSR-37) = Authorization Name	X	AN 1/60

**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\*DG\*DSGCON (LSR-97)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual DG Design Engineering Identifies the design engineer or office of the design engineer who will receive design specifications	M	ID 2/3
	N102	93	<b>Name</b> Free-form name DSGCON (LSR-97) = Design/Engineering Contact	X	AN 1/60

**Segment:** **PER** Administrative Communications Contact  
**Position:** 3500  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To identify a person or office to whom administrative communications should be directed

- Syntax Notes:**
- 1 If either PER03 or PER04 is present, then the other is required.
  - 2 If either PER05 or PER06 is present, then the other is required.
  - 3 If either PER07 or PER08 is present, then the other is required.

**Semantic Notes:**  
**Comments:**

**Notes:** PER\*DE\*\*TE\*TEL NO (LSR-99)\*FX\*FAX NO (LSR-100)

#### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	PER01	366	<b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named DE Design Engineer	M	ID 2/2
	PER03	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number TE Telephone	X	ID 2/2
	PER04	364	<b>Communication Number</b> Complete communications number including country or area code when applicable TEL NO (LSR-99) = Telephone Number	X	AN 1/256
	PER05	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number FX Facsimile	X	ID 2/2
	PER06	364	<b>Communication Number</b> Complete communications number including country or area code when applicable FAX NO (LSR-100) = Facsimile Number	X	AN 1/256



**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\*X1\*BILLNM (RPL-77)

**Data Element Summary**

Ref.	Data	Element	Name	M	ID
M	<u>Attributes</u>	N101	98	<b>Entity Identifier Code</b>	<b>M ID 2/3</b>
			Code identifying an organizational entity, a physical location, property or an individual		
			X1	Mail to	
				An address to which a specified item is to be mailed	
		N102	93	<b>Name</b>	<b>X AN 1/60</b>
			Free-form name		
			BILLNM (RPL-77) = Bill Name		

**Segment:** **N2** Additional Name Information

**Position:** 3100

**Loop:** N1 Optional

**Level:** Heading

**Usage:** Optional

**Max Use:** 2

**Purpose:** To specify additional names

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

**Notes:** N2\*SBILLNM (RPL-78)

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
M	N201	93	Name Free-form name SBILLNM (RPL-78) = Secondary Billing Name	M	AN 1/60

**Segment:** **N4 Geographic Location**

**Position:** 3300

**Loop:** N1 Optional

**Level:** Heading

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify the geographic place of the named party

- Syntax Notes:**
- 1 Only one of N402 or N407 may be present.
  - 2 If N406 is present, then N405 is required.
  - 3 If N407 is present, then N404 is required.

**Semantic Notes:**

- Comments:**
- 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
  - 2 N402 is required only if city name (N401) is in the U.S. or Canada.

**Notes:** N4\*\*STATE (RPL-83)\*ZIP (RPL-84)

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>		
<b>N402</b>	<b>156</b>	<b>State or Province Code</b>		<b>X</b>	<b>ID 2/2</b>
			Code (Standard State/Province) as defined by appropriate government agency		
			STATE (RPL-83) = State/Province		
<b>N403</b>	<b>116</b>	<b>Postal Code</b>		<b>O</b>	<b>ID 3/15</b>
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
			ZIP (RPL-84) = ZIP/Postal Code		

**Segment:** **NX2** Location ID Component

**Position:** 3350

**Loop:** N1 Optional

**Level:** Heading

**Usage:** Optional

**Max Use:** >1

**Purpose:** To define types and values of a geographic location

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

**Notes:**

NX2\*01\*SANO (RPL-79b)  
 NX2\*02\*SASN (RPL-79e)  
 NX2\*03\*SASD (RPL-79d)  
 NX2\*07\*CITY (RPL-82)  
 NX2\*32\*FLOOR (RPL-80)  
 NX2\*35\*ROOM/MAIL STOP (RPL-81)  
 NX2\*40\*SASS (RPL-79g)  
 NX2\*59\*SAPR (RPL-79a)  
 NX2\*61\*SASF (RPL-79c)  
 NX2\*62\*SATH (RPL-79f)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	
M	<b>NX201</b>	<b>1106</b>	<b>Address Component Qualifier</b>	M ID 2/2
			Code qualifying the type of address component	
			01 Street Number	
			02 Street Name	
			03 Prefix Direction	
			07 City Name	
			32 Floor	
			A particular floor or level of a building	
			35 Room	
			A walled room or partitioned area of a building	
			40 Street Suffix	
			59 Street Number Low	
			61 Street Number Fraction	
			62 Street Name Suffix	
M	<b>NX202</b>	<b>166</b>	<b>Address Information</b>	M AN 1/55
			Address information	
			SANO (RPL-79b) = Street Address Number	
			SASN (RPL-79e) = Service Address Street Name	
			SASD (RPL-79d) = Service Address Street Directional Prefix	
			CITY (RPL-82) = City	
			FLOOR (RPL-80) = Floor	
			ROOM/MAIL STOP (RPL-81) = Room/Mail Stop	
			SASS (RPL-79g) = Service Address Street Directional Suffix	
			SAPR (RPL-79a) = Service Address Number Prefix	
			SASF (RPL-79c) = Service Address Number Suffix	
			SATH (RPL-79f) = Service Address Street Type	

**Segment:** **PER** Administrative Communications Contact  
**Position:** 3500  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To identify a person or office to whom administrative communications should be directed

- Syntax Notes:**
- 1 If either PER03 or PER04 is present, then the other is required.
  - 2 If either PER05 or PER06 is present, then the other is required.
  - 3 If either PER07 or PER08 is present, then the other is required.

**Semantic Notes:**  
**Comments:**

**Notes:** PER\*BI\*BILLCON (RPL-85)\*TE\*TEL NO (RPL-86)

#### Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	PER01	366	<b>Contact Function Code</b> M ID 2/2 Code identifying the major duty or responsibility of the person or group named BI Bill Inquiry Contact Service Provider contact for making inquires about information on the invoice
	PER02	93	<b>Name</b> O AN 1/60 Free-form name BILLCON (RPL-85) = Billing Contact
	PER03	365	<b>Communication Number Qualifier</b> X ID 2/2 Code identifying the type of communication number TE Telephone
	PER04	364	<b>Communication Number</b> X AN 1/256 Complete communications number including country or area code when applicable TEL NO (RPL-86) = Telephone Number

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

**Position:** 3550

**Loop:** N1 Optional

**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\*AF\*AFT (RPL-78a)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
	<b>Attributes</b>				
M	SI01	559	<b>Agency Qualifier Code</b>	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	<b>Service Characteristics Qualifier</b>	M	AN 2/2
			Code from an industry code list qualifying the type of service characteristics		
			AF Address Format Type		
M	SI03	234	<b>Product/Service ID</b>	M	AN 1/48
			Identifying number for a product or service		
			AFT (RPL-78a) = Address Format Type		

**Segment:** **POC** Line Item Change - RPL Form (Primary Location Section)

**Position:** 0100  
**Loop:** POC Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1

- Purpose:** To specify changes to a line item
- Syntax Notes:**
- 1 If POC03 is present, then both POC04 and POC05 are required.
  - 2 If POC07 is present, then POC06 is required.
  - 3 If either POC08 or POC09 is present, then the other is required.
  - 4 If either POC10 or POC11 is present, then the other is required.
  - 5 If either POC12 or POC13 is present, then the other is required.
  - 6 If either POC14 or POC15 is present, then the other is required.
  - 7 If either POC16 or POC17 is present, then the other is required.
  - 8 If either POC18 or POC19 is present, then the other is required.
  - 9 If either POC20 or POC21 is present, then the other is required.
  - 10 If either POC22 or POC23 is present, then the other is required.
  - 11 If either POC24 or POC25 is present, then the other is required.
  - 12 If either POC26 or POC27 is present, then the other is required.
- Semantic Notes:**
- 1 POC01 is the purchase order line item identification.

**Comments:**

**Notes:** POC\*n\*RZ\*\*\*\*\*ZZ\*RPL\_PLS

**Data Element Summary**

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
<u>Attributes</u>			
POC01	350	<b>Assigned Identification</b>	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	
		"n" = nth assigned ID within POC loop	
M	POC02	<b>Change or Response Type Code</b>	M ID 2/2
		Code specifying the type of change to the line item	
		RZ Replace All Values	
		Receiver should replace the corresponding values in the original purchase order with the values contained in the Purchase Order Change Transaction Set	
	POC08	<b>Product/Service ID Qualifier</b>	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		ZZ Mutually Defined	
	POC09	<b>Product/Service ID</b>	X AN 1/48
		Identifying number for a product or service	
		"RPL_PLS"	

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

**Position:** 0180  
**Loop:** POC 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\*LT\*02 (designates "primary")  
 SI\*TI\*LS\*RLSO (RPL-26)  
 SI\*TI\*IW\*IWO (RPL-35)

**Data Element Summary**

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
<b>M</b>	<b>SI01</b>	<b>559</b>	<b>Agency Qualifier Code</b>	<b>M ID 2/2</b>
			Code identifying the agency assigning the code values	
			TI Telecommunications Industry	
<b>M</b>	<b>SI02</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>M AN 2/2</b>
			Code from an industry code list qualifying the type of service characteristics	
			IW Inside Wiring Options	
			LS Local Serving Office	
			LT Location Type	
<b>M</b>	<b>SI03</b>	<b>234</b>	<b>Product/Service ID</b>	<b>M AN 1/48</b>
			Identifying number for a product or service	
			02 = Primary	
			RLSO (RPL-26) = Resale Local Serving Office (PRILOC)	
			IWO (RPL-35) = Inside Wiring Option (PRILOC)	



**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\*ANV\*\*\*SO-RSQ\*ANV (RPL-10b)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	<b>PID01</b>	<b>349</b>	<b>Item Description Type</b>	<b>M</b>	<b>ID 1/1</b>
			Code indicating the format of a description		
			S Structured (From Industry Code List)		
	<b>PID03</b>	<b>559</b>	<b>Agency Qualifier Code</b>	<b>X</b>	<b>ID 2/2</b>
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
	<b>PID04</b>	<b>751</b>	<b>Product Description Code</b>	<b>X</b>	<b>AN 1/12</b>
			A code from an industry code list which provides specific data about a product characteristic		
		ANV Address Not Validated Indicator			
<b>PID07</b>	<b>822</b>	<b>Source Subqualifier</b>	<b>O</b>	<b>AN 1/15</b>	
		A reference that indicates the table or text maintained by the Source Qualifier			
		SO-RSQ Service Order - Reseller Questions			
<b>PID08</b>	<b>1073</b>	<b>Yes/No Condition or Response Code</b>	<b>O</b>	<b>ID 1/1</b>	
		Code indicating a Yes or No condition or response			
		ANV (RPL-10b) = Address Not Validated Indicator (PRILOC)			

**Segment:** **REF** Reference Identification  
**Position:** 1000  
**Loop:** POC 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\*IX\*LOCNUM (RPL-9)\*LOCNUM

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification IX Item Number	M	ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier LOCNUM (RPL-9) = Location Number (PRILOC)	X	AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content "LOCNUM"	X	AN 1/80

**Segment:** **N9 Reference Identification**

**Position:** 3200

**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\*H7\*LOC\*AAI

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N901	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification H7 Standard Clause	M	ID 2/3
	N902	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier LOC Location Instructions	X	AN 1/30
	N903	369	<b>Free-form Description</b> Free-form descriptive text "AAI"	X	AN 1/45

**Segment:** **MTX** Text  
**Position:** 3260  
**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\*\*AAI (RPL-25)

**Data Element Summary**

<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
MTX02	1551	Message Text	X	AN 1/4096
		To transmit large volumes of message text		
		AAI (RPL-25) = Additional Address Information (PRILOC)		

**Segment:** **N9 Reference Identification**

**Position:** 3200

**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\*L1\*ALOC\*RPLPRI

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N901	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification L1 Letters or Notes	M	ID 2/3
	N902	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ALOC Additional Location Detail	X	AN 1/30
	N903	369	<b>Free-form Description</b> Free-form descriptive text "RPLPRI"	X	AN 1/45

**Segment:** **MTX** Text  
**Position:** 3260  
**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\*\*ALOC (RPL-30)

**Data Element Summary**

<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
MTX02	1551	Message Text	X	AN 1/4096
		To transmit large volumes of message text		
		ALOC (RPL-30) = Additional Location Details (PRILOC)		

**Segment:** **N9 Reference Identification**

**Position:** 3200

**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\*L1\*ACC\*RPLPRI

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N901	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification L1 Letters or Notes	M	ID 2/3
	N902	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ACC Access Information	X	AN 1/30
	N903	369	<b>Free-form Description</b> Free-form descriptive text "RPLPRI"	X	AN 1/45

**Segment:** **MTX** Text  
**Position:** 3260  
**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\*\*ACC (RPL-39)

**Data Element Summary**

<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	
MTX02	1551	Message Text To transmit large volumes of message text ACC (RPL-39) = Access Information (PRILOC)	X AN 1/4096



**Segment:** **N1** Name  
**Position:** 3400  
**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\*PRILOC (RPL-10)\*93\*LIT (RPL-8)

#### Data Element Summary

Ref.	Data	Element	Name		
M	<u>Attributes</u>				
	N101	98	<b>Entity Identifier Code</b>	M	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
			IT Installation on Site		
	N102	93	<b>Name</b>	X	AN 1/60
		Free-form name			
			PRILOC (RPL-10) = Primary Location		
N103	66	<b>Identification Code Qualifier</b>	X	ID 1/2	
		Code designating the system/method of code structure used for Identification Code (67)			
		93 Code assigned by the organization originating the transaction set			
N104	67	<b>Identification Code</b>	X	AN 2/80	
		Code identifying a party or other code			
			LIT (RPL-8) = Location Identification Type (PRILOC)		
			CL = (DWS : C - CLLI Code)		
			EU = (DWS : E - End User Name)		

**Segment:** **N2** Additional Name Information

**Position:** 3500

**Loop:** N1 Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 2

**Purpose:** To specify additional names

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

**Notes:** N2\*NAME (RPL-10a)

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
M	N201	93	Name Free-form name NAME (RPL-10a) = End User Name	M	AN 1/60

**Segment:** **N4 Geographic Location**

**Position:** 3700

**Loop:** N1 Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify the geographic place of the named party

- Syntax Notes:**
- 1 Only one of N402 or N407 may be present.
  - 2 If N406 is present, then N405 is required.
  - 3 If N407 is present, then N404 is required.

**Semantic Notes:**

- Comments:**
- 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
  - 2 N402 is required only if city name (N401) is in the U.S. or Canada.

**Notes:** N4\*\*STATE(RPL-28)\*ZIP (RPL-29)\*\*RJ\*CALA (RPL-29a)

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>		
<b>N402</b>	<b>156</b>	<b>State or Province Code</b>		<b>X</b>	<b>ID 2/2</b>
			Code (Standard State/Province) as defined by appropriate government agency		
			STATE (RPL-28) = State/Province (PRILOC)		
<b>N403</b>	<b>116</b>	<b>Postal Code</b>		<b>O</b>	<b>ID 3/15</b>
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
			ZIP (RPL-29) = ZIP/Postal Code (PRILOC)		
<b>N405</b>	<b>309</b>	<b>Location Qualifier</b>		<b>X</b>	<b>ID 1/2</b>
			Code identifying type of location		
			RJ Region		
<b>N406</b>	<b>310</b>	<b>Location Identifier</b>		<b>O</b>	<b>AN 1/30</b>
			Code which identifies a specific location		
			CALA (RPL-29a) = Customer Address Location Area (PRILOC)		

**Segment:** **NX2** Location ID Component

**Position:** 3750

**Loop:** N1 Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To define types and values of a geographic location

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

**Notes:**

NX2\*01\*SANO (RPL-13)  
NX2\*02\*SASN (RPL-16)  
NX2\*03\*SASD (RPL-15)  
NX2\*05\*BOX (RPL-26c)  
NX2\*06\*ROUTE (RPL-26b)  
NX2\*07\*CITY (RPL-27)  
NX2\*39\*AHN (RPL-26a)  
NX2\*40\*SASS (RPL-18)  
NX2\*59\*SAPR (RPL-12)  
NX2\*61\*SASF (RPL-14)  
NX2\*62\*SATH (RPL-17)  
NX2\*LD1 (RPL-19)\*LV1 (RPL-20)  
NX2\*LD2 (RPL-21)\*LV2 (RPL-22)  
NX2\*LD3 (RPL-23)\*LV3 (RPL-24)

#### Data Element Summary

	<u>Ref.</u>	<u>Data</u>		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	<u>Attributes</u> NX201	1106	<b>Address Component Qualifier</b> Code qualifying the type of address component LD1 (RPL-19) = Location Designator 1 (PRILOC) 13 = (DWS : APT) 34 = (DWS : LOT) 35 = (DWS : RM) 36 = (DWS : SLIP) 37 = (DWS : UNIT) 14 = (DWS : SUIT) LD2 (RPL-21) = Location Designator 2 (PRILOC) 32 = (DWS : FLR) LD3 (RPL-23) = Location Designator 3 (PRILOC) 12 = (DWS : BLDG) 63 = (DWS : WNG) 30 = (DWS : PIER) 01 Street Number 02 Street Name 03 Prefix Direction 05 P.O. Box Number 06 Rural Route Number 07 City Name	M ID 2/2

12	Building Name
13	Apartment Number
14	Suite Number
30	Pier
	The pier at which a ship or boat is docked
32	Floor
	A particular floor or level of a building
34	Lot
	A particular lot or piece of land
35	Room
	A walled room or partitioned area of a building
36	Slip
	The slip or location on a pier at which a ship or boat is docked
37	Unit
	A unit or separate structure
39	Unstructured Property
40	Street Suffix
59	Street Number Low
61	Street Number Fraction
62	Street Name Suffix
63	Secondary Unit Identifier

**M**      **NX202**      **166**      **Address Information**      **M**      **AN 1/55**

Address information

SANO (RPL-13) = Service Address Number (PRILOC)  
 SASN (RPL-16) = Service Address Street Name (PRILOC)  
 SASD (RPL-15) = Service Address Street Directional Prefix (PRILOC)  
 BOX (RPL-26c) = Box Number (PRILOC)  
 ROUTE (RPL-26b) = Rural Route (PRILOC)  
 CITY (RPL-27) = City (PRILOC)  
 AHN (RPL-26a) = Assigned House Number (PRILOC)  
 SASS (RPL-18) = Service Address Street Directional Suffix (PRILOC)  
 SAPR (RPL-12) = Service Address Number Prefix (PRILOC)  
 SASF (RPL-14) = Service Address Number Suffix (PRILOC)  
 SATH (RPL-17) = Service Address Type (PRILOC)  
 LV1 (RPL-20) = Location Value 1 (PRILOC)  
 LV2 (RPL-22) = Location Value 2 (PRILOC)  
 LV3 (RPL-24) = Location Value 3 (PRILOC)

**Segment:** **PER** Administrative Communications Contact  
**Position:** 3900  
**Loop:** N1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 3  
**Purpose:** To identify a person or office to whom administrative communications should be directed

- Syntax Notes:**
- 1 If either PER03 or PER04 is present, then the other is required.
  - 2 If either PER05 or PER06 is present, then the other is required.
  - 3 If either PER07 or PER08 is present, then the other is required.

**Semantic Notes:**  
**Comments:**

**Notes:** PER\*CA\*LCON (RPL-31)\*TE\*ACTEL NO (RPL-32)  
 PER\*AL\*ALCON (RPL-33)\*TE\*AACTEL (RPL-34)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	<u>Attributes</u> PER01	366	<b>Contact Function Code</b>	M	ID 2/2
			Code identifying the major duty or responsibility of the person or group named		
			AL Alternate Contact		
			Person to be contacted when the main contact is not available		
			CA Customer Contact Granting Appointment		
	PER02	93	<b>Name</b>	O	AN 1/60
			Free-form name		
			LCON (RPL-31) = Local Contact (PRILOC)		
			ALCON (RPL-33) = Alternate Local Contact (PRILOC)		
	PER03	365	<b>Communication Number Qualifier</b>	X	ID 2/2
			Code identifying the type of communication number		
			TE Telephone		
	PER04	364	<b>Communication Number</b>	X	AN 1/256
			Complete communications number including country or area code when applicable		
			ACTEL NO (RPL-32) = Access Telephone Number (PRILOC)		
			AACTEL (RPL-34) = Alternate Access Telephone Number (PRILOC)		

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

**Position:** 3950

**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\*AF\*AFT (RPL-11)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
<b>M</b>	<b>SI01</b>	<b>559</b>	<b>Agency Qualifier Code</b>	<b>M</b>	<b>ID 2/2</b>
			Code identifying the agency assigning the code values TI Telecommunications Industry		
<b>M</b>	<b>SI02</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>M</b>	<b>AN 2/2</b>
			Code from an industry code list qualifying the type of service characteristics AF Address Format Type		
<b>M</b>	<b>SI03</b>	<b>234</b>	<b>Product/Service ID</b>	<b>M</b>	<b>AN 1/48</b>
			Identifying number for a product or service AFT (RPL-11) = Address Format Type (PRILOC)		

**Segment:** **POC** Line Item Change - RPL Form (Secondary Location Section)

**Position:** 0100  
**Loop:** POC Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1

**Purpose:** To specify changes to a line item  
**Syntax Notes:**

- 1 If POC03 is present, then both POC04 and POC05 are required.
- 2 If POC07 is present, then POC06 is required.
- 3 If either POC08 or POC09 is present, then the other is required.
- 4 If either POC10 or POC11 is present, then the other is required.
- 5 If either POC12 or POC13 is present, then the other is required.
- 6 If either POC14 or POC15 is present, then the other is required.
- 7 If either POC16 or POC17 is present, then the other is required.
- 8 If either POC18 or POC19 is present, then the other is required.
- 9 If either POC20 or POC21 is present, then the other is required.
- 10 If either POC22 or POC23 is present, then the other is required.
- 11 If either POC24 or POC25 is present, then the other is required.
- 12 If either POC26 or POC27 is present, then the other is required.

**Semantic Notes:** 1 POC01 is the purchase order line item identification.

**Comments:**

**Notes:** POC\*n\*RZ\*\*\*\*\*ZZ\*RPL\_SLS [POC Loop repeats SECLOCQTY (RPL-41a) times]

**Data Element Summary**

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
<b>Attributes</b>			
	<b>POC01</b>	<b>350 Assigned Identification</b>	<b>O AN 1/20</b>
		Alphanumeric characters assigned for differentiation within a transaction set	
		"n" = nth assigned ID within POC loop	
<b>M</b>	<b>POC02</b>	<b>670 Change or Response Type Code</b>	<b>M ID 2/2</b>
		Code specifying the type of change to the line item	
		RZ Replace All Values	
		Receiver should replace the corresponding values in the original purchase order with the values contained in the Purchase Order Change Transaction Set	
	<b>POC08</b>	<b>235 Product/Service ID Qualifier</b>	<b>X ID 2/2</b>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		ZZ Mutually Defined	
	<b>POC09</b>	<b>234 Product/Service ID</b>	<b>X AN 1/48</b>
		Identifying number for a product or service	
		"RPL_SLS"	



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

**Position:** 0180  
**Loop:** POC 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\*LT\*04 (designates "secondary")  
 SI\*TI\*LS\*RLSO (RPL-60)  
 SI\*TI\*IW\*IWO (RPL-69)

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>		
		<u>Des.</u>				
		<u>Attributes</u>				
M	SI01	559	<b>Agency Qualifier Code</b>		M	ID 2/2
			Code identifying the agency assigning the code values			
			TI Telecommunications Industry			
M	SI02	1000	<b>Service Characteristics Qualifier</b>		M	AN 2/2
			Code from an industry code list qualifying the type of service characteristics			
			IW Inside Wiring Options			
			LS Local Serving Office			
			LT Location Type			
M	SI03	234	<b>Product/Service ID</b>		M	AN 1/48
			Identifying number for a product or service			
			04 = Secondary			
			RLSO (RPL-60) = Resale Local Serving Office (SECLOC)			
			IWO (RPL-69) = Inside Wiring Options (SECLOC)			

**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\*ANV\*\*\*SO-RSQ\*ANV (RPL-44b)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	<b>PID01</b>	<b>349</b>	<b>Item Description Type</b>	M	ID 1/1
			Code indicating the format of a description		
			S Structured (From Industry Code List)		
	<b>PID03</b>	<b>559</b>	<b>Agency Qualifier Code</b>	X	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
	<b>PID04</b>	<b>751</b>	<b>Product Description Code</b>	X	AN 1/12
			A code from an industry code list which provides specific data about a product characteristic		
		ANV Address Not Validated Indicator			
<b>PID07</b>	<b>822</b>	<b>Source Subqualifier</b>	O	AN 1/15	
		A reference that indicates the table or text maintained by the Source Qualifier			
		SO-RSQ Service Order - Reseller Questions			
<b>PID08</b>	<b>1073</b>	<b>Yes/No Condition or Response Code</b>	O	ID 1/1	
		Code indicating a Yes or No condition or response			
		ANV (RPL-44b) = Address Not Validated Indicator			

**Segment:** **REF** Reference Identification  
**Position:** 1000  
**Loop:** POC 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\*IX\*LOCNUM (RPL-43)\*LOCNUM

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification IX Item Number	M	ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier LOCNUM (RPL-43) = Location Number (SECLOC)	X	AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content "LOCNUM"	X	AN 1/80

**Segment:** **N9 Reference Identification**

**Position:** 3200

**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\*H7\*LOC\*AAI

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N901	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification H7 Standard Clause	M	ID 2/3
	N902	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier LOC Location Instructions	X	AN 1/30
	N903	369	<b>Free-form Description</b> Free-form descriptive text "AAI"	X	AN 1/45

**Segment:** **MTX** Text  
**Position:** 3260  
**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\*\*AAI (RPL-59)

#### Data Element Summary

<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
MTX02	1551	Message Text	X	AN 1/4096
		To transmit large volumes of message text		
		AAI (RPL-59) = Additional Address Information (SECLOC)		

**Segment:** **N9 Reference Identification**

**Position:** 3200

**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\*L1\*ALOC\*RPLSEC

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N901	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification L1 Letters or Notes	M	ID 2/3
	N902	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ALOC Additional Location Detail	X	AN 1/30
	N903	369	<b>Free-form Description</b> Free-form descriptive text "RPLSEC"	X	AN 1/45

**Segment:** **MTX** Text  
**Position:** 3260  
**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\*\*ALOC (RPL-64)

**Data Element Summary**

<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
MTX02	1551	Message Text	X	AN 1/4096
		To transmit large volumes of message text		
		ALOC (RPL-64) = Additional Location Details (SECLOC)		

**Segment:** **N9 Reference Identification**

**Position:** 3200

**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\*L1\*ACC\*RPLSEC

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N901	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification L1 Letters or Notes	M	ID 2/3
	N902	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ACC Access Information	X	AN 1/30
	N903	369	<b>Free-form Description</b> Free-form descriptive text "RPLSEC"	X	AN 1/45



**Segment:** **MTX** Text  
**Position:** 3260  
**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\*\*ACC (RPL-73)

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>		
<u>Attributes</u>					
MTX02	1551	Message Text		X	AN 1/4096
		To transmit large volumes of message text			
		ACC (RPL-73) = Access Information (SECLOC)			

**Segment:** **N1** Name  
**Position:** 3400  
**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\*SECLOC (RPL-44)\*93\*LIT (RPL-42)

#### Data Element Summary

Ref.	Data	Element	Name		
<u>Des.</u>					
M	<u>N101</u>	98	<b>Entity Identifier Code</b>	M	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
			IT Installation on Site		
	N102	93	<b>Name</b>	X	AN 1/60
			Free-form name		
			SECLOC (RPL-44) = Secondary Location		
	N103	66	<b>Identification Code Qualifier</b>	X	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
			93 Code assigned by the organization originating the transaction set		
	N104	67	<b>Identification Code</b>	X	AN 2/80
			Code identifying a party or other code		
			LIT (RPL-42) = Location Identification Type (SECLOC)		
			CL = (DWS : C - CLLI Code)		
			EU = (DWS : E - End User Name)		

**Segment:** **N2** Additional Name Information

**Position:** 3500

**Loop:** N1 Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 2

**Purpose:** To specify additional names

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

**Notes:** N2\*NAME (RPL-44a)

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
M	N201	93	Name Free-form name NAME (RPL-44a) = End User Name	M	AN 1/60

**Segment:** **N4 Geographic Location**

**Position:** 3700

**Loop:** N1 Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify the geographic place of the named party

- Syntax Notes:**
- 1 Only one of N402 or N407 may be present.
  - 2 If N406 is present, then N405 is required.
  - 3 If N407 is present, then N404 is required.

**Semantic Notes:**

- Comments:**
- 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
  - 2 N402 is required only if city name (N401) is in the U.S. or Canada.

**Notes:** N4\*\*STATE (RPL-62)\*ZIP (RPL-63)\*\*RJ\*CALA (RPL-63a)

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>		
<b>N402</b>	<b>156</b>	<b>State or Province Code</b>		<b>X</b>	<b>ID 2/2</b>
			Code (Standard State/Province) as defined by appropriate government agency		
			STATE (RPL-62) = State/Province (SECLOC)		
<b>N403</b>	<b>116</b>	<b>Postal Code</b>		<b>O</b>	<b>ID 3/15</b>
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
			ZIP (RPL-63) = ZIP/Postal Code (SECLOC)		
<b>N405</b>	<b>309</b>	<b>Location Qualifier</b>		<b>X</b>	<b>ID 1/2</b>
			Code identifying type of location		
			RJ Region		
<b>N406</b>	<b>310</b>	<b>Location Identifier</b>		<b>O</b>	<b>AN 1/30</b>
			Code which identifies a specific location		
			CALA (RPL-63a) = Customer Address Location Area (SECLOC)		

**Segment:** **NX2** Location ID Component

**Position:** 3750

**Loop:** N1 Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To define types and values of a geographic location

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

**Notes:**

NX2\*01\*SANO (RPL-47)  
NX2\*02\*SASN (RPL-50)  
NX2\*03\*SASD (RPL-49)  
NX2\*05\*BOX (RPL-60c)  
NX2\*06\*ROUTE (RPL-60b)  
NX2\*07\*CITY (RPL-61)  
NX2\*39\*AHN (RPL-60a)  
NX2\*40\*SASS (RPL-52)  
NX2\*59\*SAPR (RPL-46)  
NX2\*61\*SASF (RPL-48)  
NX2\*62\*SATH (RPL-51)  
NX2\*LD1 (RPL-53)\*LV1 (RPL-54)  
NX2\*LD2 (RPL-55)\*LV2 (RPL-56)  
NX2\*LD3 (RPL-57)\*LV3 (RPL-58)

#### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	
	<u>Des.</u>	<u>Element</u>		
M	<u>Attributes</u> NX201	1106	<b>Address Component Qualifier</b> Code qualifying the type of address component LD1 (RPL-53) = Location Designator 1 (SECLOC) 13 = (DWS : APT) 34 = (DWS : LOT) 35 = (DWS : RM) 36 = (DWS : SLIP) 37 = (DWS : UNIT) 14 = (DWS : SUIT) LD2 (RPL-55) = Location Designator 2 (SECLOC) 32 = (DWS : FLR) LD3 (RPL-57) = Location Designator 3 (SECLOC) 12 = (DWS : BLDG) 63 = (DWS : WNG) 30 = (DWS : PIER) 01 Street Number 02 Street Name 03 Prefix Direction 05 P.O. Box Number 06 Rural Route Number 07 City Name	M ID 2/2

12	Building Name
13	Apartment Number
14	Suite Number
30	Pier
	The pier at which a ship or boat is docked
32	Floor
	A particular floor or level of a building
34	Lot
	A particular lot or piece of land
35	Room
	A walled room or partitioned area of a building
36	Slip
	The slip or location on a pier at which a ship or boat is docked
37	Unit
	A unit or separate structure
39	Unstructured Property
40	Street Suffix
59	Street Number Low
61	Street Number Fraction
62	Street Name Suffix
63	Secondary Unit Identifier

**M**      **NX202**      **166**      **Address Information**      **M**      **AN 1/55**

Address information

SANO (RPL-47) = Service Address Number (SECLOC)  
 SASN (RPL-50) = Service Address Street Name (SECLOC)  
 SASD (RPL-49) = Service Address Street Directional Prefix (SECLOC)  
 BOX (RPL-60c) = Box Number (SECLOC)  
 ROUTE (RPL-60b) = Rural Route (SECLOC)  
 CITY (RPL-61) = City (SECLOC)  
 AHN (RPL-60a) = Assigned House Number (SECLOC)  
 SASS (RPL-52) = Service Address Street Directional Suffix (SECLOC)  
 SAPR (RPL-46) = Service Address Number Prefix (SECLOC)  
 SASF (RPL-48) = Service Address Number Suffix (SECLOC)  
 SATH (RPL-51) = Service Address Street Type (SECLOC)  
 LV1 (RPL-54) = Location Value 1 (SECLOC)  
 LV2 (RPL-56) = Location Value 2 (SECLOC)  
 LV3 (RPL-58) = Location Value 3 (SECLOC)

**Segment:** **PER Administrative Communications Contact**

**Position:** 3900

**Loop:** N1 Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 3

**Purpose:** To identify a person or office to whom administrative communications should be directed

- Syntax Notes:**
- 1 If either PER03 or PER04 is present, then the other is required.
  - 2 If either PER05 or PER06 is present, then the other is required.
  - 3 If either PER07 or PER08 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:** PER\*CA\*LCON (RPL-65)\*TE\*ACTEL NO (RPL-66)  
 PER\*AL\*ALCON (RPL-67)\*TE\*AACTEL (RPL-68)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	<b>PER01</b>	<b>366</b>	<b>Contact Function Code</b>	M	ID 2/2
			Code identifying the major duty or responsibility of the person or group named		
			AL Alternate Contact		
			Person to be contacted when the main contact is not available		
			CA Customer Contact Granting Appointment		
	<b>PER02</b>	<b>93</b>	<b>Name</b>	O	AN 1/60
			Free-form name		
			LCON (RPL-65) = Local Contact (SECLOC)		
			ALCON (RPL-67) = Alternate Local Contact (SECLOC)		
	<b>PER03</b>	<b>365</b>	<b>Communication Number Qualifier</b>	X	ID 2/2
			Code identifying the type of communication number		
			TE Telephone		
	<b>PER04</b>	<b>364</b>	<b>Communication Number</b>	X	AN 1/256
			Complete communications number including country or area code when applicable		
			ACTEL NO (RPL-66) = Access Telephone Number (SECLOC)		
			AACTEL (RPL-68) = Alternate Access Telephone Number (SECLOC)		

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

**Position:** 3950

**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 characteristic qualifiers.

**Notes:** SI\*TI\*AF\*AFT (RPL-45)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
	<b>Attributes</b>				
M	SI01	559	<b>Agency Qualifier Code</b>	M	ID 2/2
			Code identifying the agency assigning the code values TI Telecommunications Industry		
M	SI02	1000	<b>Service Characteristics Qualifier</b>	M	AN 2/2
			Code from an industry code list qualifying the type of service characteristics AF Address Format Type		
M	SI03	234	<b>Product/Service ID</b>	M	AN 1/48
			Identifying number for a product or service AFT (RPL-45) = Address Format Type (SECLOC)		



**Segment:** **POC** Line Item Change - RPL Form (Disconnect Information Section)

**Position:** 0100  
**Loop:** POC Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1

**Purpose:** To specify changes to a line item  
**Syntax Notes:**  
 1 If POC03 is present, then both POC04 and POC05 are required.  
 2 If POC07 is present, then POC06 is required.  
 3 If either POC08 or POC09 is present, then the other is required.  
 4 If either POC10 or POC11 is present, then the other is required.  
 5 If either POC12 or POC13 is present, then the other is required.  
 6 If either POC14 or POC15 is present, then the other is required.  
 7 If either POC16 or POC17 is present, then the other is required.  
 8 If either POC18 or POC19 is present, then the other is required.  
 9 If either POC20 or POC21 is present, then the other is required.  
 10 If either POC22 or POC23 is present, then the other is required.  
 11 If either POC24 or POC25 is present, then the other is required.  
 12 If either POC26 or POC27 is present, then the other is required.  
**Semantic Notes:**  
 1 POC01 is the purchase order line item identification.

**Comments:**

**Notes:** POC\*n\*RZ\*\*\*\*\*ZZ\*RPL\_DISC

**Data Element Summary**

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
<b>Attributes</b>			
POC01	350	<b>Assigned Identification</b>	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	
		"n" = nth assigned ID within POC loop	
M	POC02	670 <b>Change or Response Type Code</b>	M ID 2/2
		Code specifying the type of change to the line item	
		RZ Replace All Values	
		Receiver should replace the corresponding values in the original purchase order with the values contained in the Purchase Order Change Transaction Set	
	POC08	235 <b>Product/Service ID Qualifier</b>	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		ZZ Mutually Defined	
	POC09	234 <b>Product/Service ID</b>	X AN 1/48
		Identifying number for a product or service	
		"RPL_DISC"	

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

**Position:** 0180  
**Loop:** POC 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\*ED\*DISC ECCKT (RPL-90)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	SI01	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values TI Telecommunications Industry	M	ID 2/2
M	SI02	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics ED Disconnect ECCKT	M	AN 2/2
M	SI03	234	<b>Product/Service ID</b> Identifying number for a product or service DISC ECCKT (RPL-90) = Disconnect ECCKT	M	AN 1/48

**Segment:** **POC** Line Item Change - RPL Form (Remarks Information Section)

**Position:** 0100  
**Loop:** POC Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1

**Purpose:** To specify changes to a line item  
**Syntax Notes:**  
 1 If POC03 is present, then both POC04 and POC05 are required.  
 2 If POC07 is present, then POC06 is required.  
 3 If either POC08 or POC09 is present, then the other is required.  
 4 If either POC10 or POC11 is present, then the other is required.  
 5 If either POC12 or POC13 is present, then the other is required.  
 6 If either POC14 or POC15 is present, then the other is required.  
 7 If either POC16 or POC17 is present, then the other is required.  
 8 If either POC18 or POC19 is present, then the other is required.  
 9 If either POC20 or POC21 is present, then the other is required.  
 10 If either POC22 or POC23 is present, then the other is required.  
 11 If either POC24 or POC25 is present, then the other is required.  
 12 If either POC26 or POC27 is present, then the other is required.  
**Semantic Notes:**  
 1 POC01 is the purchase order line item identification.

**Comments:**

**Notes:** POC\*n\*RZ\*\*\*\*\*ZZ\*RPL\_REM

**Data Element Summary**

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
<b>Attributes</b>			
POC01	350	<b>Assigned Identification</b>	<b>O AN 1/20</b>
		Alphanumeric characters assigned for differentiation within a transaction set	
		"n" = nth assigned ID within POC loop	
<b>M</b>	POC02	<b>Change or Response Type Code</b>	<b>M ID 2/2</b>
		Code specifying the type of change to the line item	
		RZ Replace All Values	
		Receiver should replace the corresponding values in the original purchase order with the values contained in the Purchase Order Change Transaction Set	
	POC08	<b>Product/Service ID Qualifier</b>	<b>X ID 2/2</b>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		ZZ Mutually Defined	
	POC09	<b>Product/Service ID</b>	<b>X AN 1/48</b>
		Identifying number for a product or service	
		"RPL_REM"	

**Segment:** **N9 Reference Identification**

**Position:** 3200

**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\*H7\*ORI\*RPL\*\*\*\*2W>MANUAL IND (RPL-91a)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N901	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification H7 Standard Clause	M	ID 2/3
	N902	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ORI Order Instructions	X	AN 1/30
	N903	369	<b>Free-form Description</b> Free-form descriptive text	X	AN 1/45
	N907	C040	<b>Reference Identifier</b> To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O	
M	C04001	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification 2W Change Order Authority	M	ID 2/3
M	C04002	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier MANUAL IND (RPL-91a) = Manual Indicator	M	AN 1/30

**Segment:** **MTX** Text  
**Position:** 3260  
**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\*\*REMARKS (RPL-91)

**Data Element Summary**

<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
MTX02	1551	Message Text	X	AN 1/4096
		To transmit large volumes of message text		
		REMARKS (RPL-91) = Remarks		

**Segment:** **POC** Line Item Change - RPL Form (Primary Location - Service Details Section)

**Position:** 0100  
**Loop:** POC Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1

**Purpose:** To specify changes to a line item

**Syntax Notes:**

- 1 If POC03 is present, then both POC04 and POC05 are required.
- 2 If POC07 is present, then POC06 is required.
- 3 If either POC08 or POC09 is present, then the other is required.
- 4 If either POC10 or POC11 is present, then the other is required.
- 5 If either POC12 or POC13 is present, then the other is required.
- 6 If either POC14 or POC15 is present, then the other is required.
- 7 If either POC16 or POC17 is present, then the other is required.
- 8 If either POC18 or POC19 is present, then the other is required.
- 9 If either POC20 or POC21 is present, then the other is required.
- 10 If either POC22 or POC23 is present, then the other is required.
- 11 If either POC24 or POC25 is present, then the other is required.
- 12 If either POC26 or POC27 is present, then the other is required.

**Semantic Notes:** 1 POC01 is the purchase order line item identification.

**Comments:**

**Notes:** POC\*n\*RZ\*\*\*\*\*ZZ\*RPL\_PLSD

**Data Element Summary**

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
<b>Attributes</b>			
POC01	350	<b>Assigned Identification</b>	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	
		"n" = nth assigned ID within POC loop	
M	POC02	<b>Change or Response Type Code</b>	M ID 2/2
		Code specifying the type of change to the line item	
		RZ Replace All Values	
		Receiver should replace the corresponding values in the original purchase order with the values contained in the Purchase Order Change Transaction Set	
	POC08	<b>Product/Service ID Qualifier</b>	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		ZZ Mutually Defined	
	POC09	<b>Product/Service ID</b>	X AN 1/48
		Identifying number for a product or service	
		"RPL_PLSD"	

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

**Position:** 0180  
**Loop:** POC 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\*LT\*02 (designates "primary")  
 SI\*TI\*SA\*LNA (RPL-94)  
 SI\*TI\*CN\*ECCKT (RPL-104)

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>		
		<u>Des.</u>				
		<u>Attributes</u>				
M	SI01	559	<b>Agency Qualifier Code</b>		M	ID 2/2
			Code identifying the agency assigning the code values			
			TI Telecommunications Industry			
M	SI02	1000	<b>Service Characteristics Qualifier</b>		M	AN 2/2
			Code from an industry code list qualifying the type of service characteristics			
			CN Circuit Number Identification			
			LT Location Type			
			SA Service Activity			
M	SI03	234	<b>Product/Service ID</b>		M	AN 1/48
			Identifying number for a product or service			
			LNA (RPL-94) = Line Activity (PRILOC)			
			A = (DWS : N - New Installation)			
			C = (DWS : C - Change or modification to an existing wholesale service)			
			V = (DWS : V - Conversion as specified)			
			02 = Primary			
			ECCKT (RPL-104) = Exchange Company Circuit ID (PRILOC)			

**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\*X\*\*TI\*CFA\*CFA (RPL-105)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	<b>PID01</b>	<b>349</b>	<b>Item Description Type</b>	<b>M</b>	<b>ID 1/1</b>
			Code indicating the format of a description		
			X Semi-structured (Code and Text)		
	<b>PID03</b>	<b>559</b>	<b>Agency Qualifier Code</b>	<b>X</b>	<b>ID 2/2</b>
			Code identifying the agency assigning the code values		
		TI Telecommunications Industry			
	<b>PID04</b>	<b>751</b>	<b>Product Description Code</b>	<b>X</b>	<b>AN 1/12</b>
			A code from an industry code list which provides specific data about a product characteristic		
			"CFA"		
	<b>PID05</b>	<b>352</b>	<b>Description</b>	<b>X</b>	<b>AN 1/80</b>
			A free-form description to clarify the related data elements and their content		
			CFA (RPL-105) = Connecting Facility Assignment (PRILOC)		



**Segment:** **REF** Reference Identification

**Position:** 1000

**Loop:** POC 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\*AE\*SAN (RPL-94a)

#### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>		
	<u>Des.</u>	<u>Element</u>			
M	<u>Attributes</u> REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification AE Authorization for Expense (AFE) Number	M	ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier SAN (RPL-94a) = Subscriber Authorization Number	X	AN 1/30

**Segment:** **SLN** Subline Item Detail

**Position:** 4600  
**Loop:** SLN Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1

**Purpose:** To specify product subline detail item data

**Syntax Notes:**

- 1 If either SLN04 or SLN05 is present, then the other is required.
- 2 If SLN07 is present, then SLN06 is required.
- 3 If SLN08 is present, then SLN06 is required.
- 4 If either SLN09 or SLN10 is present, then the other is required.
- 5 If either SLN11 or SLN12 is present, then the other is required.
- 6 If either SLN13 or SLN14 is present, then the other is required.
- 7 If either SLN15 or SLN16 is present, then the other is required.
- 8 If either SLN17 or SLN18 is present, then the other is required.
- 9 If either SLN19 or SLN20 is present, then the other is required.
- 10 If either SLN21 or SLN22 is present, then the other is required.
- 11 If either SLN23 or SLN24 is present, then the other is required.
- 12 If either SLN25 or SLN26 is present, then the other is required.
- 13 If either SLN27 or SLN28 is present, then the other is required.

**Semantic Notes:**

- 1 SLN01 is the identifying number for the subline item.
- 2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
- 3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
- 4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

**Comments:**

- 1 See the Data Element Dictionary for a complete list of IDs.
- 2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
- 3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

**Notes:** SLN\*IW\*n\*A\*IWJQ (RPL-101)\*EA\*\*\*\*EQ\*IWJK (RPL-102) [SLN loop may repeat per Inside Wiring Pair]

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	SLN01	350	<b>Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set "IW"	M	AN 1/20
	SLN02	350	<b>Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set "n" = nth assigned ID within SLN loop	O	AN 1/20
M	SLN03	662	<b>Relationship Code</b> Code indicating the relationship between entities A Add	M	ID 1/1
	SLN04	380	<b>Quantity</b>	X	R 1/15

			Numeric value of quantity	
			IWJQ (RPL-101) = Inside Wire Jack Quantity (PRILOC)	
	<b>SLN05</b>	<b>C001</b>	<b>Composite Unit of Measure</b>	<b>X</b>
			To identify a composite unit of measure (See Figures Appendix for examples of use)	
<b>M</b>	<b>C00101</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>M ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			EA	Each
	<b>SLN09</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			EQ	Equipment Type
	<b>SLN10</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X AN 1/48</b>
			Identifying number for a product or service	
			IWJK (RPL-102) = Inside Wire Jack Code (PRILOC)	

**Segment:** **POC** Line Item Change - RPL Form (Secondary Location Service Details Section)

**Position:** 0100  
**Loop:** POC Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1

**Purpose:** To specify changes to a line item

- Syntax Notes:**
- 1 If POC03 is present, then both POC04 and POC05 are required.
  - 2 If POC07 is present, then POC06 is required.
  - 3 If either POC08 or POC09 is present, then the other is required.
  - 4 If either POC10 or POC11 is present, then the other is required.
  - 5 If either POC12 or POC13 is present, then the other is required.
  - 6 If either POC14 or POC15 is present, then the other is required.
  - 7 If either POC16 or POC17 is present, then the other is required.
  - 8 If either POC18 or POC19 is present, then the other is required.
  - 9 If either POC20 or POC21 is present, then the other is required.
  - 10 If either POC22 or POC23 is present, then the other is required.
  - 11 If either POC24 or POC25 is present, then the other is required.
  - 12 If either POC26 or POC27 is present, then the other is required.
- Semantic Notes:** 1 POC01 is the purchase order line item identification.

**Comments:**

**Notes:** POC\*n\*RZ\*\*\*\*\*ZZ\*RPL\_SLSD [POC loop repeats SECLOCSEVDETQTY (RPL-108a times)]

**Data Element Summary**

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
<b>Attributes</b>			
	<b>POC01</b>	<b>350 Assigned Identification</b>	<b>O AN 1/20</b>
		Alphanumeric characters assigned for differentiation within a transaction set	
		"n" = nth assigned ID within POC loop	
<b>M</b>	<b>POC02</b>	<b>670 Change or Response Type Code</b>	<b>M ID 2/2</b>
		Code specifying the type of change to the line item	
		RZ Replace All Values	
		Receiver should replace the corresponding values in the original purchase order with the values contained in the Purchase Order Change Transaction Set	
	<b>POC08</b>	<b>235 Product/Service ID Qualifier</b>	<b>X ID 2/2</b>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		ZZ Mutually Defined	
	<b>POC09</b>	<b>234 Product/Service ID</b>	<b>X AN 1/48</b>
		Identifying number for a product or service	
		"RPL_SLSD"	

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

**Position:** 0180  
**Loop:** POC 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\*LT\*04 (designates "secondary")  
 SI\*TI\*SA\*LNA (RPL-111)  
 SI\*TI\*CN\*ECCKT (RPL-119)

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>		
	<u>Des.</u>					
M	SI01	559		<b>Agency Qualifier Code</b>	M	ID 2/2
				Code identifying the agency assigning the code values		
				TI Telecommunications Industry		
M	SI02	1000		<b>Service Characteristics Qualifier</b>	M	AN 2/2
				Code from an industry code list qualifying the type of service characteristics		
				CN Circuit Number Identification		
				LT Location Type		
				SA Service Activity		
M	SI03	234		<b>Product/Service ID</b>	M	AN 1/48
				Identifying number for a product or service		
				LNA (RPL-111) = Line Activity (SECLOC)		
				A = (DWS : N - New Installation)		
				C = (DWS : C - Change or modification to an existing wholesale service)		
				V = (DWS : V - Conversion as specified)		
				04 = Secondary		
				ECCKT (RPL-119) = Exchange Company Circuit ID (SECLOC)		

<b>Segment:</b>	<b>PID</b> Product/Item Description
<b>Position:</b>	0500
<b>Loop:</b>	PID Optional
<b>Level:</b>	Detail
<b>Usage:</b>	Optional
<b>Max Use:</b>	1
<b>Purpose:</b>	To describe a product or process in coded or free-form format
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If PID04 is present, then PID03 is required.</li> <li>2 At least one of PID04 or PID05 is required.</li> <li>3 If PID07 is present, then PID03 is required.</li> <li>4 If PID08 is present, then PID04 is required.</li> <li>5 If PID09 is present, then PID05 is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 Use PID03 to indicate the organization that publishes the code list being referred to.</li> <li>2 PID04 should be used for industry-specific product description codes.</li> <li>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.</li> <li>4 PID09 is used to identify the language being used in PID05.</li> </ol>
<b>Comments:</b>	<ol style="list-style-type: none"> <li>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.</li> <li>2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.</li> <li>3 PID07 specifies the individual code list of the agency specified in PID03.</li> </ol>
<b>Notes:</b>	PID*X**TI*CFA*CFA (RPL-120)

#### Data Element Summary

Ref.	Data	Name	M	ID
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
<b>Attributes</b>				
M	PID01	349	<b>Item Description Type</b>	M ID 1/1
			Code indicating the format of a description	
			X Semi-structured (Code and Text)	
	PID03	559	<b>Agency Qualifier Code</b>	X ID 2/2
			Code identifying the agency assigning the code values	
			TI Telecommunications Industry	
	PID04	751	<b>Product Description Code</b>	X AN 1/12
			A code from an industry code list which provides specific data about a product characteristic	
			"CFA"	
	PID05	352	<b>Description</b>	X AN 1/80
			A free-form description to clarify the related data elements and their content	
			CFA (RPL-120) = Connecting Facility Assignment (SECLOC)	

**Segment:** **SLN Subline Item Detail**

**Position:** 4600  
**Loop:** SLN Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1

**Purpose:** To specify product subline detail item data

**Syntax Notes:**

- 1 If either SLN04 or SLN05 is present, then the other is required.
- 2 If SLN07 is present, then SLN06 is required.
- 3 If SLN08 is present, then SLN06 is required.
- 4 If either SLN09 or SLN10 is present, then the other is required.
- 5 If either SLN11 or SLN12 is present, then the other is required.
- 6 If either SLN13 or SLN14 is present, then the other is required.
- 7 If either SLN15 or SLN16 is present, then the other is required.
- 8 If either SLN17 or SLN18 is present, then the other is required.
- 9 If either SLN19 or SLN20 is present, then the other is required.
- 10 If either SLN21 or SLN22 is present, then the other is required.
- 11 If either SLN23 or SLN24 is present, then the other is required.
- 12 If either SLN25 or SLN26 is present, then the other is required.
- 13 If either SLN27 or SLN28 is present, then the other is required.

**Semantic Notes:**

- 1 SLN01 is the identifying number for the subline item.
- 2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
- 3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
- 4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

**Comments:**

- 1 See the Data Element Dictionary for a complete list of IDs.
- 2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
- 3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

**Notes:** SLN\*IW\*n\*A\*IWJQ (RPL-116)\*EA\*\*\*\*EQ\*IWJK (RPL-117) [SLN loop may repeat per Inside Wiring Pair]

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	SLN01	350	<b>Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set "IW"	M	AN 1/20
	SLN02	350	<b>Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set "n" = nth assigned ID within SLN loop	O	AN 1/20
M	SLN03	662	<b>Relationship Code</b> Code indicating the relationship between entities A Add	M	ID 1/1
	SLN04	380	<b>Quantity</b>	X	R 1/15

			Numeric value of quantity		
			IWJQ (RPL-116) = Inside Wire Jack Quantity (SECLOC)		
	<b>SLN05</b>	<b>C001</b>	<b>Composite Unit of Measure</b>	<b>X</b>	
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
<b>M</b>	<b>C00101</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>M</b>	<b>ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			EA                      Each		
	<b>SLN09</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			EQ                      Equipment Type		
	<b>SLN10</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/48</b>
			Identifying number for a product or service		
			IWJK (RPL-117) = Inside Wire Jack Code (SECLOC)		



**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 POC Segments

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
M	<u>Des.</u> CTT01	354	Number of Line Items Total number of line items in the transaction set	M NO 1/6

**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\*Number of Segments\*TRAN SET CONTROL #

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
M	SE01	96	<b>Number of Included Segments</b> Total number of segments included in a transaction set including ST and SE segments	M	NO 1/10
M	SE02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN 4/9