UNE-P DSS FACILITY

Table of Contents

48. UNE-P DSS Facility

48.1 Business Description

Integrated Services Digital Network (ISDN) is a switched digital service that transfers information over the public switched telephone network. It replaces slower modem technology to offer fast, flexible, highly reliable and digitally clear connections utilizing the same twisted pair of wires that delivers basic phone service to the customer premise.

ISDN Primary Rate Interface (PRI) provides integrated telecommunication services via a four-wire physical network configuration, with full duplex transmission path. Deployment of ISDN requires that the customer's premises be outfitted with ISDN compatible customer premise equipment (CPE).

UNE-P DSS is provided on a DS-1 facility that is multiplexed into 24 channels in various configurations of: direct inward dialing, out dialing, and two way dialing. Therefore, two sets of service orders are required: one for the DS-1 facility; and the other for the T-1 Trunk configuration. For the DS-1 facility request, an LSR must be submitted in conjunction with a Resale Private Line (RPL) form. For the Trunk request, an LSR must be submitted in conjunction with an EU and Resale Service forms.

Service Orders for UNE-P DSS Facilities

The following forms will be used between Qwest and the CLEC for UNE-P DSS Facilities ordering purposes:

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

The following Order Activity Matrices define the available Order and Line Activities for UNE-P DSS Facilities:

<div align="center">

Business Rules for Combining Order and Line Activity
for **UNE-P DSS Facility Order Request**

</div>

Order Activity Definition

Req Type	ACT	Definition	Application	LNA	Forms required
MB	N	New Installation	New installation of UNE-P DSS service.	N	LSR, RPL
	D	Disconnect	Disconnect all services at the account level.	D	LSR, RPL
	W	Conversion As Is	Change from one CLEC to another with no change to product or service or Directory Listing. Conversion of Retail DSS to UNE-P DSS with no changes to product or service.	Not Applicable	LSR, RPL

	V	Conversion As Specified	Conversion As Specified valid on conversion from existing UNE-P DSS from one CLEC to another or conversions from Retail DSS to UNE-P DSS with changes in the service.	V	LSR, RPL
	Z	Conversion As Specified, No Directory Listing	Not Allowed	Not Applicable	
	C	Change	Change to an existing UNE-P DSS service such as, add/remove features, and change billing information.	C	LSR, RPL
	T	Outside Move	Outside move of an existing UNE-P DSS end user location.	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	Movement of wiring with the end user's premises.	C	LSR, RPL

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.
All other LNA	Not Allowed	

48.2 Business Model

See Appendix H

48.3 Developer Worksheets

See Appendices B and C – Developer Worksheets - Order

48.4 Trading Partner Access Information

ORDERING FUNCTION	PRODUCT ID
UNE P DSS Facility Request	850UDSF
UNE P DSS Facility Supplemental	860UDSF
Status Update – Auto Push	855SU
Firm Order Confirmation	855FOC
Firm Order Confirmation on 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 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 Notification will be issued if Qwest has a problem meeting the commitment on the local service request.

48.4.1 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 application related transaction sets.

48.4.2 ISA TABLE INFORMATION

ANSI X12 ISA and IEA definitions:

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

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

	SENT TO Qwest	RECEIVED FROM Qwest
ISA01	*'00' (No Authorization information present)*	*'00' (No Authorization information present)*
ISA02	***Spaces*** *(Authorization information)*	***Spaces*** *(Authorization information)*
ISA03	*'00' (No Security information is present)*	*'00' (No Security information is present)*
ISA04	***Spaces*** *(Security Information)*	***Spaces*** *(Security information)*
ISA05	*Co-Provider TP qualifier*	*'ZZ' (Mutually Defined)*
ISA06	*Co-Provider TP ID*	*'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)*

48.4.3 GS TABLE INFORMATION

ANSI X12 GS and GE segment definitions:

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

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

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

GS Table

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	850UDSF	PO	*Co-Provider TP ID*	**UDSF90**
Status Update – Auto Push	Send	855SU	PR	**SU90**	*Co-Provider TP ID*
Firm Order Confirmation	Send	855FOC	PR	**FOC90**	*Co-Provider TP ID*
Non Fatal Error Response	Send	855NF	PR	**NF90**	*Co-Provider TP ID*
Fatal Error Response	Send	855FATAL	PR	**FATAL90**	*Co-Provider TP ID*
Jeopardy	Send	865JEOP	CA	**JEOP90**	*Co-Provider TP ID*
Completion	Send	865COMP	CA	**COMP90**	*Co-Provider TP ID*

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	860UDSF	PC	*Co-Provider TP ID*	**UDSF90**
Status Update – Auto Push	Send	855SU	PR	**SU90**	*Co-Provider TP ID*
Firm Order Confirmation	Send	865FOC	CA	**FOC90**	*Co-Provider TP ID*
Non Fatal Error Response	Send	865NF	CA	**NF90**	*Co-Provider TP ID*
Fatal Error Response	Send	865FATAL	CA	**FATAL90**	*Co-Provider TP ID*
Jeopardy	Send	865JEOP	CA	**JEOP90**	*Co-Provider TP ID*
Completion	Send	865COMP	CA	**COMP90**	*Co-Provider TP ID*

48.4.4 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, Qwest however, 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.

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 and 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

48.5 Mapping Examples

48.5.1 850 UNE P DSS Facility Mapping Example (850UDSF) – Version 4020

Legend of Symbols in this transaction example

Symbol/Definition	Example
{ } = Valid Format	{CCYYMMDD}
Bold/Italics = Developer's Worksheet Element	**PON**
Superscript = Developer's Worksheet Ref # DWS used in this mapping example: LSR=Local Service Request RPL=Resale Private Line	LSR-1
Italics = Literal	*GOOD*
<u>Underline</u> = Apply code conversion, used with **Bold/Italics**. Code conversion tables can be found in the data dictionary of this disclosure.	**<u>ACT</u>**
[ ] = Segment notes for this line	[SI Segment repeats …]
( ) = Element notes for this line	(This element states …)
n	Counter 1…n
* = Element separator in this example and related data dictionary.	| = Actual element separator in an EDI transaction.
> = Sub-element separator in this example and related data dictionary.	non-printable characters of "0x1f" = Actual sub-element separator in an EDI transaction.

ST*850*TRAN SET CONTROL #
BEG*00*SS***PON**$^{LSR-2}$**PO Date(See Trading Partner Access Information)
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*AO***APT CON**$^{LSR-15a}$
REF*1V***RORD**$^{LSR-52}$*RORD
PAM*48***PG_of_**$^{LSR-10}$(1st 2 Bytes)*EA
PAM*47***PG_of_**$^{LSR-10}$(2nd 2 Bytes)*EA
PAM*QO***RSQTY**$^{RPL-5}$*EA
PAM*KC***DQTY**$^{RPL-6}$*EA
PAM*T5***LOCQTY**$^{LSR-5}$*EA
PAM*1Q***SECLOCQTY**$^{RPL-41a}$*EA
PAM*1R***SECLOCSERVDETQTY**$^{RPL-108a}$*EA
SAC*N**TI*EXP   [If this segment appears then **EXP**$^{LSR-26}$ = "Y"]
SAC*N**TI*VT*************VTA**$^{LSR-80}$
SAC*N**TI*OAC   [If this segment appears then **ALBR**$^{LSR-33}$ = "Y"]
DTM*097***D/TSENT**{CCYYMMDD}$^{LSR-12}$***D/TSENT**{HHMM}$^{LSR-12}$
DTM*150***DDD**{CCYYMMDD}$^{LSR-14}$
DTM*270***DATED**{CCYYMMDD}$^{LSR-36}$
SI*TI*RE***REQTYP**$^{LSR-23}$
SI*TI*AA***<u>ACT</u>**$^{LSR-24}$
SI*TI*LS***LSO**$^{LSR-43}$
SI*TI*TY***TOS**$^{LSR-44}$
SI*TI*NC***NC**$^{LSR-46}$

SI*TI*NI***NCI**[LSR-48]
SI*TI*SS***SPEC**[LSR-45]
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]
PWK*DW*NS*1*DG*91***DRC**[LSR-98]
N9*H7*ORI**LSR*****2W >**MANUAL IND**[LSR-108a]
MTX***REMARKS**[LSR-108]
N1*78***CCNA**[LSR-1]
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]
N1*AN***AUTHNM**[LSR-37]
N1*DG***DSGCON**[LSR-97]
PER*DE**TE***TEL NO**[LSR-99]*FX***FAX NO**[LSR-100]
N1*X1***BILLNM**[RPL-77]
N2***SBILLNM**[RPL-78]
N4***STATE**[RPL-83]***ZIP**[RPL-84]
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]
PER*BI***BILLCON**[RPL-85]*TE***TEL NO**[RPL-86]
SI*TI*AF***AFT**[RPL-78a]

Primary Location Section

PO1*n*1*EA***ZZ* *RPL_PLS*
SI*TI*LT*02   (designates "primary")
SI*TI*LS***RLSO**[RPL-26]
SI*TI*IW***IWO**[RPL-35]
PID*S**TI*ANV***SO-RSQ***ANV**[RPL-10b]
REF*IX* **LOCNUM**[RPL-9]* *LOCNUM*
N9*H7*LOC* *AAI*
MTX***AAI**[RPL-25]
N9*L1*ALOC* *RPLPRI*
MTX***ALOC**[RPL-30]
N9*L1*ACC* *RPLPRI*
MTX***ACC**[RPL-39]
N1*IT***PRILOC**[RPL-10]*93* _**LIT**_[RPL-8]
N2***NAME**[RPL-10a]
N4***STATE**[RPL-28]***ZIP**[RPL-29]**RJ***CALA**[RPL-29a]
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]
PER*CA*_LCON_[RPL-31]*TE*_ACTEL NO_[RPL-32]
PER*AL*_ALCON_[RPL-33]*TE*_AACTEL_[RPL-34]
SI*TI*AF*_AFT_[RPL-11]

Secondary Location Section

PO1*n*1*EA***ZZ*_RPL_SLS_   [PO1 repeats **SECLOCQTY**[RPL-41a] times]
SI*TI*LT*04   (designates "secondary")
SI*TI*LS*_RLSO_[RPL-60]
REF*IX*_LOCNUM_[RPL-43]*_LOCNUM_
N9*H7*LOC*_AAI_
MTX**_AAI_[RPL-59]
N9*L1*ALOC*_RPLSEC_
MTX**_ALOC_[RPL-64]
N1*IT*_SECLOC_[RPL-44]*93*_LIT_[RPL-42]
N2*_NAME_[RPL-44a]
N4**_STATE_[RPL-62]*_ZIP_[RPL-63]**RJ*_CALA_[RPL-63a]
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]
PER*CA*_LCON_[RPL-65]*TE*_ACTEL NO_[RPL-66]
SI*TI*AF*_AFT_[RPL-45]

Disconnect Information

PO1*n*1*EA***ZZ*_RPL_DISC_
SI*TI*ED*_DISC ECCKT_[RPL-90]

Remarks Information

PO1*n*1*EA***ZZ*_RPL_REM_
N9*H7*ORI*_RPL_****2W >_MANUAL IND_[RPL-91a]
MTX**_REMARKS_[RPL-91]

Primary Location Service Details

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

Secondary Location Service Details

PO1*n*1*EA***ZZ* *RPL_SLSD*   [PO1 repeats **SECLOCSERVDETQTY**[RPL-108a] times]
SI*TI*LT*04   (designates "secondary")
SI*TI*SA***LNA***[RPL-111]
SI*TI*CN***ECCKT***[RPL-119]
PID*X**TI* *CFA***CFA***[RPL-120]

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#

48.5.2 860UNE P DSS Facility Supplemental Service Request (860UDSF) – Version 4020

The 860UDSF is identical to the 850UDSF except the following exceptions:

ST*860*TRAN SET CONTROL #
BCH*_**SUP**_^{LSR-25}*SS*_**PON**_^{LSR-2}**_**VER**_^{LSR-3}*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 #

48.6 Data Dictionary

48.6.1 850 UNE-P DSS Facility Service Request (UDSF850)

Functional Group ID=PO

Introduction:

The 850UDSF service request will be used by the Co-Provider to initiate a service request for UDSF to Qwest.

This implementation guideline references the following:
1. ANSI ASC X12 Version 4020
2. LSOG 5, when applicable, 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:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	0100	ST	Transaction Set Header	M	1		
M	0200	BEG	Beginning Segment for Purchase Order	M	1		
	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	

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
	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:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - PO1			100000	
M	0100	PO1	Baseline Item Data - 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 - Secondary Location Section	M	1		n2
	0180	SI	Service Characteristic Identification	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 - N1			200	

				Req. Des.	Max.Use	Loop Repeat	Notes and Comments
	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 - Disconnect Information	M	1		n3
	0180	SI	Service Characteristic Identification	O	>1		
			LOOP ID - PO1			100000	
M	0100	PO1	Baseline Item Data - Remarks Information	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 - Primary Location Service Details	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 - Secondary Location Service Details	M	1		n6
	0180	SI	Service Characteristic Identification	O	>1		
			LOOP ID - PID			1000	
	0500	PID	Product/Item Description	O	1		
			LOOP ID - PO1			100000	
M	0100	PO1	Baseline Item Data - DUMMY	M	1		n7

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - CTT			1	
	0100	CTT	Transaction Totals	O	1		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

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

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

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

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

		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*AO*APT CON (LSR-15a)
REF*1V*RORD (LSR-52)*RORD
```

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M	REF01	128	**Reference Identification Qualifier**	M ID 2/3

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
AO	Appointment Number
CO	Customer Order Number
JB	Job (Project) Number
SU	Special Processing Code
	Unique code identifying the special handling requirements for the claim

	REF02	127	**Reference Identification**	X AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

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
APT CON (LSR-15a) = Appointment Confirmation
RORD (LSR-52) = Related Order Number

	REF03	352	**Description**	X AN 1/80

A free-form description to clarify the related data elements and their

content
"AN"
"RTR"
"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_ (LSR-10) (1st 2 Bytes)*EA
PAM*47*PG_of_ (LSR-10) (2nd 2 Bytes)*EA
PAM*QO*RSQTY (RPL-5)*EA
PAM*KC*DQTY (RPL-6)*EA
PAM*T5*LOCQTY (LSR-5)*EA
PAM*1Q*SECLOCQTY (RPL-41a)*EA
PAM*1R*SECLOCSERVDETQTY (RPL-108a)*EA
```

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
PAM01	**673**	**Quantity Qualifier**	X	ID 2/2

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
T5	Total Number of Units

| | PAM02 | 380 | **Quantity** | | **X** | **R 1/15** |

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
LOCQTY (LSR-5) = Location Quantity
SECLOCQTY (RPL-41a) = Secondary Location Quantity
SECLOCSERVDETQTY (RPL-108a) = Secondary Location Service
Details Quantity

| | PAM03 | C001 | **Composite Unit of Measure** | **X** | |

To identify a composite unit of measure (See Figures Appendix for examples of use)

| **M** | **C00101** | **355** | **Unit or Basis for Measurement Code** | **M** | **ID 2/2** |

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

    EA   Each

Segment:	**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*OAC   [If this segment appears then ALBR (LSR-33) = "Y"]

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M SAC01	248	Allowance or Charge Indicator	M	ID 1/1

Code which indicates an allowance or charge for the service specified

		N	No Allowance or Charge	
SAC03	**559**	**Agency Qualifier Code**	**X**	**ID 2/2**

Code identifying the agency assigning the code values

TI   Telecommunications Industry

SAC04	**1301**	**Agency Service, Promotion, Allowance, or Charge Code**	**X**	**AN 1/10**

Agency maintained code identifying the service, promotion, allowance, or charge

EXP   Expedited Service Charge

OAC   Overtime Loading

VT   Variable Term Contract Pricing Plan

SAC15	**352**	**Description**	**X**	**AN 1/80**

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

Ref. Des. Attributes	Data Element	Name			
M	**DTM01**	**374**	**Date/Time Qualifier**	**M**	**ID 3/3**
			Code specifying type of date or time, or both date and time		
		097	Transaction Creation		
		150	Service Period Start		
		270	Date Filed		
R	**DTM02**	**373**	**Date**	**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**	**Time**	**X**	**TM 4/8**
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
			D/TSENT{HHMM} (LSR-12) = Time Sent		

Segment: # SI Service Characteristic Identification

Position:	1850
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To specify service characteristic data
Syntax Notes:	1 If either SI04 or SI05 is present, then the other is required.
	2 If either SI06 or SI07 is present, then the other is required.
	3 If either SI08 or SI09 is present, then the other is required.
	4 If either SI10 or SI11 is present, then the other is required.
	5 If either SI12 or SI13 is present, then the other is required.
	6 If either SI14 or SI15 is present, then the other is required.
	7 If either SI16 or SI17 is present, then the other is required.
	8 If either SI18 or SI19 is present, then the other is required.
	9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:	
Comments:	1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:	SI*TI*RE*REQTYP (LSR-23)
	SI*TI*AA*ACT (LSR-24)
	SI*TI*LS*LSO (LSR-43)
	SI*TI*TY*TOS (LSR-44)
	SI*TI*NC*NC (LSR-46)
	SI*TI*NI*NCI (LSR-48)
	SI*TI*SS*SPEC (LSR-45)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	SI01	559	**Agency Qualifier Code**	M	ID 2/2

Code identifying the agency assigning the code values

    TI   Telecommunications Industry

M	SI02	1000	**Service Characteristics Qualifier**	M	AN 2/2

Code from an industry code list qualifying the type of service characteristics

    AA   Account Activity Code
    LS   Local Serving Office
    NC   Network Channel Code
    NI   Network Channel Interface Code
    RE   Requisition Type and Status
    SS   Service Sub-catagory Code
    TY   Type of Service

M	SI03	234	**Product/Service ID**	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)
  M = (DWS : M - Inside Move)
  C = (DWS : C - Change)
  V = (DWS : V - Conversion As Specified)

W = (DWS : W - Conversion as is)
T = (DWS : T - Outside Move (T/F))

REQTYP (LSR-23) = Requisition Type and Status
LSO (LSR-43) = Local Service Office (LSO)
TOS (LSR-44) = Type of Service
NC (LSR-46) = Network Channel Code
NCI (LSR-48) = Network Channel Interface Code
SPEC (LSR-45) = Service and Product Enhancement 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. Des. Attributes	Data Element	Name		
M	PID01	349	**Item Description Type**	M	ID 1/1
			Code indicating the format of a description		
			S Structured (From Industry Code List)		
	PID03	559	**Agency Qualifier Code**	X	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
	PID04	751	**Product Description Code**	X	AN 1/12
			A code from an industry code list which provides specific data about a product characteristic		
			AO Agency Authorization Status		
			BI Final Bill Information Indicator		
			PENDING Pending Order		
	PID07	822	**Source Subqualifier**	O	AN 1/15
			A reference that indicates the table or text maintained by the Source Qualifier		
			SO-RSQ Service Order - Reseller Questions List		

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

Code indicating a Yes or No condition or response

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. Des. Attributes	Data Element	Name		
M PWK01	755	**Report Type Code**	M	ID 2/2
		Code indicating the title or contents of a document, report or supporting item		
		DW Drawing(s)		
PWK02	756	**Report Transmission Code**	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	**Report Copies Needed**	O	N0 1/2
		The number of copies of a report that should be sent to the addressee		
		1 Always One		
PWK04	98	**Entity Identifier Code**	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	**Identification Code Qualifier**	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	**Identification Code**	X	AN 2/80
		Code identifying a party or other code		
		DRC (LSR-98) = Design Routing Code		

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

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

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

Ref. Des. Attributes	Data Element	Name		
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

Ref. Des. Attributes	Data Element	Name		
M **N101**	98	**Entity Identifier Code**	**M**	**ID 2/3**
		Code identifying an organizational entity, a physical location, property or an individual		
		78 Service Requester		
R **N102**	93	**Name**	**X**	**AN 1/60**
		Free-form name		
		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. Des. Attributes	Data Element	Name		
M PER01	366	**Contact Function Code**	**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	**Name**	**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	**Communication Number Qualifier**	**X**	**ID 2/2**

Code identifying the type of communication number

TE	Telephone

PER04	364	**Communication Number**	**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	**Communication Number Qualifier**	**X**	**ID 2/2**

Code identifying the type of communication number

BN	Beeper Number
FX	Facsimile

PER06	364	**Communication Number**	**X**	**AN 1/256**

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

PER07	**365**	**Communication Number Qualifier**	**X**	**ID 2/2**

Code identifying the type of communication number

EM	Electronic Mail

PER08	**364**	**Communication Number**	**X**	**AN 1/256**

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

Ref. Des. Attributes	Data Element	Name			
M	N101	98	**Entity Identifier Code**	M	**ID 2/3**

Code identifying an organizational entity, a physical location, property or an individual

AN Authorized From

A geographic location designated as an authorized pick-up or origin point for a shipment

	N102	93	**Name**	X	**AN 1/60**

Free-form name

AUTHNM (LSR-37) = Authorization Name

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

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

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

Ref. Des. Attributes		Data Element	Name		
M	PER01	366	**Contact Function Code**	M	**ID 2/2**

Code identifying the major duty or responsibility of the person or group named

    DE   Design Engineer

	PER03	365	**Communication Number Qualifier**	X	**ID 2/2**

Code identifying the type of communication number

    TE   Telephone

	PER04	364	**Communication Number**	X	**AN 1/256**

Complete communications number including country or area code when applicable

TEL NO (LSR-99) = Telephone Number

	PER05	365	**Communication Number Qualifier**	X	**ID 2/2**

Code identifying the type of communication number

    FX   Facsimile

	PER06	364	**Communication Number**	X	**AN 1/256**

Complete communications number including country or area code when applicable

FAX NO (LSR-100) = Facsimile Number

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

Ref. Des. Attributes	Data Element	Name		
M N101	98	**Entity Identifier Code**	M	**ID 2/3**
		Code identifying an organizational entity, a physical location, property or an individual		
		X1 Mail to		
		An address to which a specified item is to be mailed		
N102	93	**Name**	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

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

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

Ref. Des. Attributes	Data Element	Name		
N402	156	**State or Province Code**	X	**ID 2/2**
		Code (Standard State/Province) as defined by appropriate government agency		
		STATE (RPL-83) = State/Province		
N403	116	**Postal Code**	O	**ID 3/15**
		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

Ref. Des. Attributes	Data Element	Name		
M　　NX201	1106	**Address Component Qualifier**	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　　NX202	166	**Address Information**	M	AN 1/55
		Address information		

SANO (RPL-79b) = Service 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. Des. Attributes	Data Element	Name		
M	PER01	366	**Contact Function Code**	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	**Name**	O	AN 1/60
			Free-form name		
			BILLCON (RPL-85) = Billing Contact		
	PER03	365	**Communication Number Qualifier**	X	ID 2/2
			Code identifying the type of communication number		
			TE Telephone		
	PER04	364	**Communication Number**	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

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

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

Segment:	**PO1** Baseline Item Data - 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

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

			Segment:	**SI** Service Characteristic Identification

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

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

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

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

Segment:		**N9** Reference Identification			

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

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

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

Ref. Des. Attributes	Data Element	Name		
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

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

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

Ref. Des. Attributes	Data Element	Name		
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

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

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

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

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. Des. Attributes	Data Element	Name			
M	**N101**	**98**	**Entity Identifier Code**	**M**	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			IT Installation on Site		
	N102	**93**	**Name**	**X**	**AN 1/60**
			Free-form name		
			PRILOC (RPL-10) = Primary Location		
	N103	**66**	**Identification Code Qualifier**	**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**	**Identification Code**	**X**	**AN 2/80**
			Code identifying a party or other code		
			LIT (RPL-8) = Location Identification Type (PRILOC)		
			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

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

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

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

	Ref. Des. Attributes	Data Element	Name		
M	NX201	1106	**Address Component Qualifier**	M	ID 2/2

Code qualifying the type of address component

LD1 (RPL-19) = Location Designator 1
  13 = (DWS: APT)
  14 = (DWS: SUIT)
  34 = (DWS: LOT)
  35 = (DWS: RM)
  36 = (DWS: SLIP)
  37 = (DWS: UNIT)

LD2 (RPL-21) = Location Designator 2
  32 = (DWS: FLR)

LD3 (RPL-23) = Location Designator 3
  12 = (DWS: BLDG)
  30 = (DWS: PIER)
  63 = (DWS: WNG)

01		Street Number
02		Street Name
03		Prefix Direction
05		P.O. Box Number
06		Rural Route Number
07		City Name
39		Unstructured Property

		40	Street Suffix		
		59	Street Number Low		
		61	Street Number Fraction		
		62	Street Name Suffix		
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 Street Type (PRILOC)
LV1 (RPL-20) = Location Value 1
LV2 (RPL-22) = Location Value 2
LV3 (RPL-24) = Location Value 3

	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

	Ref. Des. Attributes	Data Element	Name		
M	PER01	366	**Contact Function Code**	**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	**Name**	**O**	**AN 1/60**

Free-form name

LCON (RPL-31) = Local Contact (PRILOC)
ALCON (RPL-33) = Alternate Local Contact (PRILOC)

	PER03	365	**Communication Number Qualifier**	**X**	**ID 2/2**

Code identifying the type of communication number

	TE	Telephone

	PER04	364	**Communication Number**	**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 characteristics qualifiers.
Notes:	SI*TI*AF*AFT (RPL-11)

Data Element Summary

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

Segment:	**PO1** Baseline Item Data - 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

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

Data Element Summary

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

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

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

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

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

| **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

Ref. Des. Attributes	Data Element	Name		
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

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

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

Ref. Des. Attributes	Data Element	Name			
MTX02	1551	**Message Text**	X	AN	1/4096

To transmit large volumes of message text

ALOC (RPL-64) = Additional Location Details (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. Des. Attributes	Data Element	Name		
M	N101	98	**Entity Identifier Code**	M	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
			IT Installation on Site		
	N102	93	**Name**	X	AN 1/60
			Free-form name		
			SECLOC (RPL-44) = Secondary Location		
	N103	66	**Identification Code Qualifier**	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	**Identification Code**	X	AN 2/80
			Code identifying a party or other code		
			LIT (RPL-42) = Location Identification Type (SECLOC) CL = (DWS : C - CLLI Code)		

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

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

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

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

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	NX201	1106	**Address Component Qualifier**	M	ID 2/2
			Code qualifying the type of address component		
			01 Street Number		
			02 Street Name		
			03 Prefix Direction		
			05 P.O. Box Number		
			06 Rural Route Number		
			07 City Name		
			39 Unstructured Property		
			40 Street Suffix		
			59 Street Number Low		
			61 Street Number Fraction		
			62 Street Name Suffix		
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)

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)

Data Element Summary

Ref. Des. Attributes	Ref. Des.	Data Element	Name			
M	PER01	366	**Contact Function Code**		M	**ID 2/2**
			Code identifying the major duty or responsibility of the person or group named			
			CA	Customer Contact Granting Appointment		
	PER02	93	**Name**		O	**AN 1/60**
			Free-form name			
			LCON (RPL-65) = Local Contact (SECLOC)			
	PER03	365	**Communication Number Qualifier**		X	**ID 2/2**
			Code identifying the type of communication number			
			TE	Telephone		
	PER04	364	**Communication Number**		X	**AN 1/256**
			Complete communications number including country or area code when applicable			
			ACTEL NO (RPL-66) = 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 characteristics qualifiers.
Notes:	SI*TI*AF*AFT (RPL-45)

Data Element Summary

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

		PO1 Baseline Item Data - Disconnect Information
Segment:	

Segment: **PO1** Baseline Item Data - Disconnect Information

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

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

		Segment:	**SI** Service Characteristic Identification

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

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

Segment:	**PO1** Baseline Item Data - Remarks Information

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

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

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

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

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

		PO1 Baseline Item Data - Primary Location Service Details

Segment:

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

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

	Ref. Des. Attributes	Data Element	Name		
M	SI01	559	**Agency Qualifier Code**	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	**Service Characteristics Qualifier**	M	AN 2/2
			Code from an industry code list qualifying the type of service characteristics		
			CN Circuit Number Identification Code		
			LT Location Type		
			SA Service Activity Code		
M	SI03	234	**Product/Service ID**	M	AN 1/48
			Identifying number for a product or service		

LNA (RPL-94) = Line Activity (PRILOC)
   C = (DWS : C - Change or modification to an existing wholesale service)
   A = (DWS : N - New Installation)
   V = (DWS : V - Conversion as Specified)
   D = (DWS : D - Remove a primary location)

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

Ref. Des. Attributes	Data Element	Name		
M	PID01	349	**Item Description Type**	M ID 1/1
			Code indicating the format of a description	
			X Semi-structured (Code and Text)	
	PID03	559	**Agency Qualifier Code**	X ID 2/2
			Code identifying the agency assigning the code values	
			TI Telecommunications Industry	
	PID04	751	**Product Description Code**	X AN 1/12
			A code from an industry code list which provides specific data about a product characteristic	
			"CFA"	
	PID05	352	**Description**	X AN 1/80
			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

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

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

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

			Numeric value of quantity		

IWJQ (RPL-101) = Inside Wire Jack Quantity (PRILOC)

	SLN05	**C001**	**Composite Unit of Measure**	**X**	

To identify a composite unit of measure (See Figures Appendix for examples of use)

M	**C00101**	**355**	**Unit or Basis for Measurement Code**	**M**	**ID 2/2**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
    EA   Each

	SLN09	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**

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

	SLN10	**234**	**Product/Service ID**	**X**	**AN 1/48**

Identifying number for a product or service

IWJK (RPL-102) = Inside Wire Jack Code (PRILOC)

	Segment:	**PO1** Baseline Item Data - Secondary Location Service Details

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 repeats SECLOCSERVDETQTY (RPL-108a) times]

Data Element Summary

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

	Ref. Des. Attributes	Data Element	Name		
M	SI01	559	**Agency Qualifier Code**	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	**Service Characteristics Qualifier**	M	AN 2/2
			Code from an industry code list qualifying the type of service characteristics		
			CN Circuit Number Identification Code		
			LT Location Type		
			SA Service Activity Code		
M	SI03	234	**Product/Service ID**	M	AN 1/48
			Identifying number for a product or service		

LNA (RPL-111) = Line Activity (SECLOC)
  C = (DWS : C - Change or modification to an existing wholesale service)
  A = (DWS : N - New Installation)
  V = (DWS : V - Conversion as Specified)
  D = (DWS : D - Remove a secondary location)

04 = Secondary
ECCKT (RPL-119) = Exchange Company Circuit ID (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*X**TI*CFA*CFA (RPL-120)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	**PID01**	349	**Item Description Type**	M	**ID 1/1**
			Code indicating the format of a description		
			X Semi-structured (Code and Text)		
	PID03	559	**Agency Qualifier Code**	X	**ID 2/2**
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
	PID04	751	**Product Description Code**	X	**AN 1/12**
			A code from an industry code list which provides specific data about a product characteristic		
			"CFA"		
	PID05	352	**Description**	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:	**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

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

| | | | Segment: | **CTT** Transaction Totals | | | |

Segment: **CTT** Transaction Totals

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

Data Element Summary

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

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

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

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

48.6.2 860 UNE-P DSS Facility Supplemental Service Request (UDSF860)

Functional Group ID=PC

Introduction:

The 860UDSF service request will be used by the Co-Provider to initiate a supplemental service request for UDSF to Qwest.

This implementation guideline references the following:
1. ANSI ASC X12 Version 4020
2. LSOG 5, when applicable, 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:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
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		
			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	
	2850	N9	Reference Identification	O	1		
	2900	MTX	Text	O	>1		
			LOOP ID - N1			200	
	3000	N1	Name	O	1		
	3500	PER	Administrative Communications Contact	O	>1		
			LOOP ID - N1			200	
	3000	N1	Name	O	1		
			LOOP ID - N1			200	
	3000	N1	Name	O	1		
	3500	PER	Administrative Communications Contact	O	>1		
			LOOP ID - N1			200	
	3000	N1	Name	O	1		
	3100	N2	Additional Name Information	O	2		

Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
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:

Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
		LOOP ID - POC			>1	
0100	POC	Line Item Change - 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 - Secondary Location Section	O	1		
0180	SI	Service Characteristic Identification	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 - 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 - Disconnect Information	O	1	
0180	SI	Service Characteristic Identification	O	>1	

		LOOP ID - POC			>1
0100	POC	Line Item Change - Remarks Information	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 - Primary Location Service Details	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 - Secondary Location Service Details	O	1	
0180	SI	Service Characteristic Identification	O	>1	

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

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - CTT			1	
	0100	CTT	Transaction Totals	O	1		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

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

	Segment:	**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

	Ref. Des. Attributes	Data Element	Name		
M	BCH01	353	**Transaction Set Purpose Code**	M	**ID 2/2**
			Code identifying purpose of transaction set		

			SUP (LSR-25) = Supplement Type
			    01 = (DWS: 1 - Cancel)
			    04 = (DWS: 2 - DDD Change)
			    05 = (DSW: 3 - Other)		

M	BCH02	92	**Purchase Order Type Code**	M	**ID 2/2**
			Code specifying the type of Purchase Order		
			SS Supply or Service Order		
M	BCH03	324	**Purchase Order Number**	M	**AN 1/22**
			Identifying number for Purchase Order assigned by the orderer/purchaser		
			PON (LSR-2) = Purchase Order Number		
	BCH05	327	**Change Order Sequence Number**	O	**AN 1/8**
			Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set		
			VER (LSR-3) = Version Identification		
M	BCH06	373	**Date**	M	**DT 8/8**
			Date expressed as CCYYMMDD		
			PO Date = Purchase Order Date (See Trading Partner Access Information)		

			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*AO*APT CON (LSR-15a)
REF*1V*RORD (LSR-52)*RORD

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	REF01	128	**Reference Identification Qualifier**	M	ID 2/3
			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
  AO   Appointment Number
  CO   Customer Order Number
  JB   Job (Project) Number
  SU   Special Processing Code
              Unique code identifying the special handling
              requirements for the claim

	REF02	127	**Reference Identification**	X	AN 1/30

Reference information as defined for a particular Transaction Set or as
specified by the Reference Identification Qualifier
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
APT CON (LSR-15a) = Appointment Confirmation
RORD (LSR-52) = Related Order Number

	REF03	352	**Description**	X	AN 1/80

A free-form description to clarify the related data elements and their

content
"AN"
"RTR"
"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_ (LSR-10) (1st 2 Bytes)*EA
PAM*47*PG_of_ (LSR-10) (2nd 2 Bytes)*EA
PAM*QO*RSQTY (RPL-5)*EA
PAM*KC*DQTY (RPL-6)*EA
PAM*T5*LOCQTY (LSR-5)*EA
PAM*1Q*SECLOCQTY (RPL-41a)*EA
PAM*1R*SECLOCSERVDETQTY (RPL-108a)*EA
```

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
PAM01	673	**Quantity Qualifier**	X	ID 2/2

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
T5	Total Number of Units

| | PAM02 | 380 | **Quantity** | | **X** | **R 1/15** |
| | | | 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
LOCQTY (LSR-5) = Location Quantity
SECLOCQTY (RPL-41a) = Secondary Location Quantity
SECLOCSERVDETQTY (RPL-108a) = Secondary Location Service
Details Quantity

| | PAM03 | C001 | **Composite Unit of Measure** | | **X** | |

To identify a composite unit of measure (See Figures Appendix for examples of use)

| **M** | C00101 | 355 | **Unit or Basis for Measurement Code** | | **M** | **ID 2/2** |

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
    EA   Each

Segment: # 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*OAC   [If this segment appears then ALBR (LSR-33) = "Y"]

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	SAC01	248	**Allowance or Charge Indicator**	M	ID 1/1

		Code which indicates an allowance or charge for the service specified		
		N No Allowance or Charge		
SAC03	559	**Agency Qualifier Code**	**X**	**ID 2/2**
		Code identifying the agency assigning the code values		
		TI Telecommunications Industry		
SAC04	1301	**Agency Service, Promotion, Allowance, or Charge Code**	**X**	**AN 1/10**
		Agency maintained code identifying the service, promotion, allowance, or charge		
		EXP Expedited Service Charge		
		OAC Overtime Loading		
		VT Variable Term Contract Pricing Plan		
SAC15	352	**Description**	**X**	**AN 1/80**
		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

Ref. Des. Attributes	Data Element	Name				
M	**DTM01**	374	**Date/Time Qualifier**	**M**	**ID 3/3**	

Code specifying type of date or time, or both date and time

097	Transaction Creation
150	Service Period Start
270	Date Filed

Ref. Des. Attributes	Data Element	Name				
R	**DTM02**	373	**Date**	**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	**Time**	**X**	**TM 4/8**

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

> D/TSENT{HHMM} (LSR-12) = Time Sent

Segment: # SI Service Characteristic Identification

Position:	1850
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To specify service characteristic data
Syntax Notes:	1 If either SI04 or SI05 is present, then the other is required.
	2 If either SI06 or SI07 is present, then the other is required.
	3 If either SI08 or SI09 is present, then the other is required.
	4 If either SI10 or SI11 is present, then the other is required.
	5 If either SI12 or SI13 is present, then the other is required.
	6 If either SI14 or SI15 is present, then the other is required.
	7 If either SI16 or SI17 is present, then the other is required.
	8 If either SI18 or SI19 is present, then the other is required.
	9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:	
Comments:	1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:	SI*TI*RE*REQTYP (LSR-23)
	SI*TI*AA*ACT (LSR-24)
	SI*TI*LS*LSO (LSR-43)
	SI*TI*TY*TOS (LSR-44)
	SI*TI*NC*NC (LSR-46)
	SI*TI*NI*NCI (LSR-48)
	SI*TI*SS*SPEC (LSR-45)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M SI01	559	**Agency Qualifier Code**	M	ID 2/2
		Code identifying the agency assigning the code values		
		TI Telecommunications Industry		
M SI02	1000	**Service Characteristics Qualifier**	M	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
		AA Account Activity Code		
		LS Local Serving Office		
		NC Network Channel Code		
		NI Network Channel Interface Code		
		RE Requisition Type and Status		
		SS Service Sub-catagory Code		
		TY Type of Service		
M SI03	234	**Product/Service ID**	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)		
		M = (DWS : M - Inside Move)		
		C = (DWS : C - Change)		
		V = (DWS : V - Conversion As Specified)		

W = (DWS : W - Conversion as is)
T = (DWS : T - Outside Move (T/F))

REQTYP (LSR-23) = Requisition Type and Status
LSO (LSR-43) = Local Service Office (LSO)
TOS (LSR-44) = Type of Service
NC (LSR-46) = Network Channel Code
NCI (LSR-48) = Network Channel Interface Code
SPEC (LSR-45) = Service and Product Enhancement Code

Segment:	**PID** Product/Item Description		

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

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

Code indicating a Yes or No condition or response

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

Attributes	Ref. Des.	Data Element	Name		
M	PWK01	755	**Report Type Code**	M	ID 2/2
			Code indicating the title or contents of a document, report or supporting item		
			DW Drawing(s)		
	PWK02	756	**Report Transmission Code**	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	**Report Copies Needed**	O	N0 1/2
			The number of copies of a report that should be sent to the addressee		
			1 Always One		
	PWK04	98	**Entity Identifier Code**	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	**Identification Code Qualifier**	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	**Identification Code**	X	AN 2/80
			Code identifying a party or other code		
			DRC (LSR-98) = Design Routing Code		

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

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

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

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

	Segment:	**N1** Name			

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

Attributes	Ref. Des.	Data Element	Name		
M	N101	98	**Entity Identifier Code**	M	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			78 Service Requester		
R	N102	93	**Name**	X	**AN 1/60**
			Free-form name		
			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. Des. Attributes	Data Element	Name		
M PER01	366	**Contact Function Code**	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	**Name**	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	**Communication Number Qualifier**	X	ID 2/2

Code identifying the type of communication number

TE	Telephone

PER04	364	**Communication Number**	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	**Communication Number Qualifier**	X	ID 2/2

Code identifying the type of communication number

BN	Beeper Number
FX	Facsimile

PER06	364	**Communication Number**	X	AN 1/256

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

| PER07 | 365 | **Communication Number Qualifier** | **X** | **ID 2/2** |

Code identifying the type of communication number

EM   Electronic Mail

| PER08 | 364 | **Communication Number** | **X** | **AN 1/256** |

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

Ref. Des. Attributes	Data Element	Name			
M	N101	98	**Entity Identifier Code**	M	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			AN	Authorized From	
				A geographic location designated as an authorized pick-up or origin point for a shipment	
	N102	93	**Name**	X	**AN 1/60**
			Free-form name		
			AUTHNM (LSR-37) = Authorization Name		

	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

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

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

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

		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. Des. Attributes	Data Element	Name		
M	N101	98	**Entity Identifier Code**	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			X1 Mail to	
			An address to which a specified item is to be mailed	
	N102	93	**Name**	X AN 1/60
			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

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

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

Ref. Des. Attributes	Data Element	Name		
N402	156	**State or Province Code**	X	ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency		
		STATE (RPL-83) = State/Province		
N403	116	**Postal Code**	O	ID 3/15
		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

Ref. Des. Attributes	Data Element	Name		
M NX201	1106	**Address Component Qualifier**	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 NX202	166	**Address Information**	M	AN 1/55
		Address information		

SANO (RPL-79b) = Service 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. Des. Attributes	Data Element	Name		
M PER01	366	**Contact Function Code**	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	**Name**	O	AN 1/60
		Free-form name		
		BILLCON (RPL-85) = Billing Contact		
PER03	365	**Communication Number Qualifier**	X	ID 2/2
		Code identifying the type of communication number		
		TE Telephone		
PER04	364	**Communication Number**	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

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

Segment: # POC Line Item Change - 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. Des. Attributes	Data Element	Name		
POC01	350	Assigned Identification	O	AN 1/20

Alphanumeric characters assigned for differentiation within a transaction set

"n" = nth assigned ID within POC loop

M POC02	670	Change or Response Type Code	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	Product/Service ID Qualifier	X	ID 2/2

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

     ZZ   Mutually Defined

POC09	234	Product/Service ID	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. Des. Attributes	Data Element	Name		
M	SI01	559	**Agency Qualifier Code**	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	**Service Characteristics Qualifier**	M	AN 2/2
			Code from an industry code list qualifying the type of service characteristics		
			IW Inside Wire Options		
			LS Local Serving Office (LSO)		
			LT Location Type		
M	SI03	234	**Product/Service ID**	M	AN 1/48
			Identifying number for a product or service		
			02 = Primary		
			RLSO (RPL-26) = Resale Local Service 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

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

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

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

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

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

Ref. Des. Attributes	Data Element	Name		
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

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

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

Ref. Des. Attributes	Data Element	Name		
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

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

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

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

	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. Des. Attributes	Data Element	Name		
M	N101	98	**Entity Identifier Code**	M	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
			IT Installation on Site		
	N102	93	**Name**	X	AN 1/60
			Free-form name		
			PRILOC (RPL-10) = Primary Location		
	N103	66	**Identification Code Qualifier**	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	**Identification Code**	X	AN 2/80
			Code identifying a party or other code		
			LIT (RPL-8) = Location Identification Type (PRILOC)		
			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

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

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

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

Segment:	**NX2** Location ID Component				

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

	Ref. Des. Attributes	Data Element	Name		
M	NX201	1106	**Address Component Qualifier**	M	ID 2/2

Code qualifying the type of address component

LD1 (RPL-19) = Location Designator 1
  13 = (DWS: APT)
  14 = (DWS: SUIT)
  34 = (DWS: LOT)
  35 = (DWS: RM)
  36 = (DWS: SLIP)
  37 = (DWS: UNIT)

LD2 (RPL-21) = Location Designator 2
  32 = (DWS: FLR)

LD3 (RPL-23) = Location Designator 3
  12 = (DWS: BLDG)
  30 = (DWS: PIER)
  63 = (DWS: WNG)

01		Street Number
02		Street Name
03		Prefix Direction
05		P.O. Box Number
06		Rural Route Number
07		City Name
39		Unstructured Property

			40	Street Suffix		
			59	Street Number Low		
			61	Street Number Fraction		
			62	Street Name Suffix		
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 Street Type (PRILOC)
LV1 (RPL-20) = Location Value 1
LV2 (RPL-22) = Location Value 2
LV3 (RPL-24) = Location Value 3

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

	Ref. Des. Attributes	Data Element	Name		
M	PER01	366	**Contact Function Code**	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	**Name**	O	**AN 1/60**

Free-form name

LCON (RPL-31) = Local Contact (PRILOC)
ALCON (RPL-33) = Alternate Local Contact (PRILOC)

	PER03	365	**Communication Number Qualifier**	X	**ID 2/2**

Code identifying the type of communication number

TE	Telephone

	PER04	364	**Communication Number**	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

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

		POC Line Item Change - Secondary Location Section

Segment: **POC** Line Item Change - 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 repeats SECLOCQTY (RPL-41a) times]

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
POC01	350	**Assigned Identification**	O	AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set		
		"n" = nth assigned ID within POC loop		
M POC02	670	**Change or Response Type Code**	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	**Product/Service ID Qualifier**	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		ZZ Mutually Defined		
POC09	234	**Product/Service ID**	X	AN 1/48
		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)

Data Element Summary

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

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

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

			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

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

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

Ref. Des. Attributes	Data Element	Name		
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

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

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

Ref. Des. Attributes	Data Element	Name		
MTX02	1551	**Message Text**	X	AN 1/4096
		To transmit large volumes of message text		
		ALOC (RPL-64) = Additional Location Details (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. Des. Attributes	**Data Element**	**Name**		
M	**N101**	98	**Entity Identifier Code**	**M**	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			IT Installation on Site		
	N102	93	**Name**	**X**	**AN 1/60**
			Free-form name		
			SECLOC (RPL-44) = Secondary Location		
	N103	66	**Identification Code Qualifier**	**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	**Identification Code**	**X**	**AN 2/80**
			Code identifying a party or other code		
			LIT (RPL-42) = Location Identification Type (SECLOC)		
			CL = (DWS : C - CLLI Code)		

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

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

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

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

Data Element Summary

	Ref. Des. Attributes	Data Element	Name			
M	NX201	1106	**Address Component Qualifier**		M	ID 2/2
			Code qualifying the type of address component			
			01	Street Number		
			02	Street Name		
			03	Prefix Direction		
			05	P.O. Box Number		
			06	Rural Route Number		
			07	City Name		
			39	Unstructured Property		
			40	Street Suffix		
			59	Street Number Low		
			61	Street Number Fraction		
			62	Street Name Suffix		
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)

	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)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	PER01	366	**Contact Function Code**	M	ID 2/2
			Code identifying the major duty or responsibility of the person or group named		
			CA Customer Contact Granting Appointment		
	PER02	93	**Name**	O	AN 1/60
			Free-form name		
			LCON (RPL-65) = Local Contact (SECLOC)		
	PER03	365	**Communication Number Qualifier**	X	ID 2/2
			Code identifying the type of communication number		
			TE Telephone		
	PER04	364	**Communication Number**	X	AN 1/256
			Complete communications number including country or area code when applicable		
			ACTEL NO (RPL-66) = 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 characteristics qualifiers.
Notes:	SI*TI*AF*AFT (RPL-45)

Data Element Summary

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

		Segment:	**POC** Line Item Change - Disconnect Information		

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. Des. Attributes	Data Element	Name		
	POC01	350	**Assigned Identification**	**O**	**AN 1/20**
			Alphanumeric characters assigned for differentiation within a transaction set		
			"n" = nth assigned ID within POC loop		
M	POC02	670	**Change or Response Type Code**	**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	**Product/Service ID Qualifier**	**X**	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			ZZ Mutually Defined		
	POC09	234	**Product/Service ID**	**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

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

	Segment:	**POC** Line Item Change - Remarks Information

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. Des. Attributes	Data Element	Name		
	POC01	350	**Assigned Identification**	O	**AN 1/20**
			Alphanumeric characters assigned for differentiation within a transaction set		
			"n" = nth assigned ID within POC loop		
M	POC02	670	**Change or Response Type Code**	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	**Product/Service ID Qualifier**	X	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			ZZ Mutually Defined		
	POC09	234	**Product/Service ID**	X	**AN 1/48**
			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

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

| **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

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

Segment: # POC Line Item Change - Primary Location Service Details

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. Des. Attributes	Data Element	Name		
	POC01	350	**Assigned Identification**	O	**AN 1/20**
			Alphanumeric characters assigned for differentiation within a transaction set		
			"n" = nth assigned ID within POC loop		
M	POC02	670	**Change or Response Type Code**	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	**Product/Service ID Qualifier**	X	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			ZZ Mutually Defined		
	POC09	234	**Product/Service ID**	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

	Ref. Des. Attributes	Data Element	Name		
M	SI01	559	**Agency Qualifier Code**	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	**Service Characteristics Qualifier**	M	AN 2/2
			Code from an industry code list qualifying the type of service characteristics		
			CN Circuit Number Identification Code		
			LT Location Type		
			SA Service Activity Code		
M	SI03	234	**Product/Service ID**	M	AN 1/48
			Identifying number for a product or service		

LNA (RPL-94) = Line Activity (PRILOC)
   C = (DWS : C - Change or modification to an existing wholesale service)
   A = (DWS : N - New Installation)
   V = (DWS : V - Conversion as Specified)
   D = (DWS : D - Remove a primary location)

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

	Ref. Des. Attributes	Data Element	Name		
M	**PID01**	349	**Item Description Type**	M	ID 1/1
			Code indicating the format of a description		
			X Semi-structured (Code and Text)		
	PID03	559	**Agency Qualifier Code**	X	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
	PID04	751	**Product Description Code**	X	AN 1/12
			A code from an industry code list which provides specific data about a product characteristic		
			"CFA"		
	PID05	352	**Description**	X	AN 1/80
			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

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

	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

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

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

| | | **Segment:** | **POC** Line Item Change - Secondary Location Service Details |

Segment: **POC** Line Item Change - Secondary Location Service Details

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

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
	POC01	350	**Assigned Identification**	**O**	**AN 1/20**
			Alphanumeric characters assigned for differentiation within a transaction set		
			"n" = nth assigned ID within POC loop		
M	POC02	670	**Change or Response Type Code**	**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	**Product/Service ID Qualifier**	**X**	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			ZZ Mutually Defined		
	POC09	234	**Product/Service ID**	**X**	**AN 1/48**
			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

	Ref. Des. Attributes	Data Element	Name		
M	SI01	559	**Agency Qualifier Code**	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	**Service Characteristics Qualifier**	M	AN 2/2
			Code from an industry code list qualifying the type of service characteristics		
			CN Circuit Number Identification Code		
			LT Location Type		
			SA Service Activity Code		
M	SI03	234	**Product/Service ID**	M	AN 1/48
			Identifying number for a product or service		

LNA (RPL-111) = Line Activity (SECLOC)
  C = (DWS : C - Change or modification to an existing wholesale service)
  A = (DWS : N - New Installation)
  V = (DWS : V - Conversion as Specified)
  D = (DWS : D - Remove a secondary location)

04 = Secondary
ECCKT (RPL-119) = Exchange Company Circuit ID (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*X**TI*CFA*CFA (RPL-120)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M PID01	349	**Item Description Type**	M	ID 1/1
		Code indicating the format of a description		
		X Semi-structured (Code and Text)		
PID03	559	**Agency Qualifier Code**	X	ID 2/2
		Code identifying the agency assigning the code values		
		TI Telecommunications Industry		
PID04	751	**Product Description Code**	X	AN 1/12
		A code from an industry code list which provides specific data about a product characteristic		
		"CFA"		
PID05	352	**Description**	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:	**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

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

Segment:	**SE** Transaction Set Trailer

Position: 0300
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
Syntax Notes:
Semantic Notes:
Comments: 1 SE is the last segment of each transaction set.
Notes: SE*Number of Segments*TRAN SET CONTROL #

Data Element Summary

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