Unbundled Analog (ANA) Line-Side Switch Port
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21. Unbundled Analog Line-Side Switch Port

21.1 Business Description

Unbundled Analog Line-Side Switch Port product allows a CLEC to purchase the use of Qwest's Switching capabilities and network.

For Example, the CLEC may have their own loop equipment and wants to purchase use of the features and functions available in a Qwest switch. The Unbundled Analog Line-Side Switch Port establishes the line-side interconnection of individual loops to the switching components of the Qwest network. The Port provides access to the basic functionality of the switch, including signaling, digit reception and translations, routing and rating, call supervision, as well as access to interoffice services. Port switching functions provide for the establishment of a connection between two Ports within the switch (intraoffice) or between a Port and the facilities that interconnect switching offices (interoffice) as available in the applicable tariff or approved agreement, access to 911, operator services, and directory assistance.

Prior to conversion activity, this service is a total or finished product which includes:
* Telephone number(s)
* Listings
* Local loop facilities
* Features specific to the Serving Wire Center Switch

After conversion from Qwest to a CLEC, the service no longer includes the local loop facility and is not directly associated to a specific end user address. A service address is required to determine the Qwest Serving Wire Center of the port. The new Unbundled Analog Line Side Port is comprised of the following elements:
* Telephone number(s)
* Features specific to the Serving Wire Center Switch

Listings are still associated to the telephone number(s) with some major differences:
* The listed name may or may not be the same as the end user listing prior to the conversion.
* The listed address may or may not be the same as the end user address prior to the conversion.

The following forms will be used between Qwest and the CLEC for Unbundled Analog Line Side Switch Ports Ordering Purposes:

* LSR - Local Service Request
* EU - End User Information
* PS - Port Service
* DL - Directory Listing

The following Order Activity Matrices define the available Order, Line and/or Listing Activities for Unbundled Analog Line-Side Switch Port:

Business Rules for Combining Order, Line, and/or Listing Activity
for **Unbundled Analog Line-Side Switch Port**

Order Activity Definition

Req Type	ACT	Definition	Application	LNA	Forms required
FB	N	New Installation	New service at premises.	N	LSR, EU, PS, DL
	D	Disconnect	Disconnect all services at the account level	D	LSR, EU, PS (conditional)
	W	Conversion As Is	Not Allowed	Not Allowed	
	V	Conversion As Specified	Change LSP with changes to Unbundled Analog Line Side Switch Port service or Directory Listing	N, V, D	LSR, EU, PS, DL
	Z	Conversion As Specified, No Directory Listing	Change LSP with change to Unbundled Analog Line Side Switch Port service and no change to Directory Listing	N, V, D	LSR, EU, PS
	C	Change	Change to existing service, add/remove features, change type of service, add/remove line(s) to existing service/account, PIC/LPIC change, change/add/remove Directory Listing, change billing information, change telephone number	C, P, X, N, D	LSR, EU, PS, DL (if changing)
	T	Outside Move	Not Allowed	Not Allowed	
	L	Seasonal Suspend	Not Allowed	Not Allowed	
	Y	Deny	Not Allowed	Not Allowed	
	B	Restore	Not Allowed	Not Allowed	
	R	Record	Not Allowed	Not Allowed	
	M	Inside Move	Not Allowed	Not Allowed	

Line Activities

LNA	Definition	Application
N	New Line.	New line at premises.
D	Line Disconnect.	Disconnect line
V	Line Conversion As Specified	Change LSP with changes to line or Directory Listing FA field on PS form must be populated with N (add), C (change old), V (Conversion as Specified), T (change new), or D (disconnect)
C	Change	If LNA = C then FA field on PS form can be N (add), C (change old), T (change new), or D (disconnect)
X	Phone Number Change	This LNA should only be used for Number Changes without any other activity. FA entries would not be appropriate. If Number Changes occur with other activity, an LNA=C should be used.
P	PIC Change	This LNA should only be used for PIC changes without any other activity. FA entries would not be appropriate. If PIC Changes occur with other activity, an LNA of C should be used.
All Other LNA	Not Allowed	

LISTING ACTIVITIES

LNA	Definition	Application
N	New Listing	The DL form must specify all details about a new listing.
D	Delete existing listing	The DL form must indicate the ALI code and the listing name and text information to ensure the correct listing is deleted. A main listing cannot be deleted.
I	Change existing listing (new data)	Change activity is only valid if the person or business and book are staying the same, and just the details of the listing are changing. For example, if a person is changing their name, this would be a change of the listing. Otherwise, a delete and new must be used. Must have both an 'I' and an 'O' activity in order to specify a listing change. The 'O' activity should come before the ' I' activity. An associated DL form for the same listing with the listing activity of 'O' is required.
O	Change existing listing (old data)	Change activity is only valid if the person or business and book are staying the same, and just the details of the listing are changing. Otherwise, a delete and new must be used. Must have both an 'I' and an 'O' activity in order to specify a listing change. The 'O' activity should come before the 'I' activity. An associated DL form for the same listing with the listing activity of 'I' is required.
Z	No change to existing listing	Only allowed on a conversion as specified (ACT = V) or an outside move (ACT= T). The DL form must indicate the ALI code (if not a main list) and RTY for the listing to remain the same, along with the listing name and text information to ensure the correct listing is referenced.

21.2 Business Model

See Appendix H

21.3 Developer Worksheets

See Appendices B and C – Developer Worksheets - Order

21.4 Trading Partner Access Information

ORDERING FUNCTION	PRODUCT ID
Analog Line-Side Port Service Request	850ANLG
Analog Line-Side Port Service Request Supplemental	860ANLG
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 being passed between Qwest and the Co-Provider. The order request is transmitted by the Co-Provider via the EDI 850/860 format. Qwest will translate and forward the data to the internal application system. The request may activate the following responses:

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

21.4.1 OVERVIEW: Qwest Specific Functional Group Envelope - Routing Information

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

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

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

21.4.2 ISA TABLE INFORMATION

ANSI X12 ISA and IEA definitions:
- The ISA segment is the Interchange Control Header.
  Purpose: To start and to 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)*

21.4.3 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	850ANLG	PO	*Co-Provider TP ID*	**ANLG90**
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	860ANLG	PC	*Co-Provider TP ID*	**ANLG90**
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*

21.4.4 MAPPING EXAMPLE AND DATA DICTIONARY ITEMS

Purchase Order (PO) Date

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

Time Code

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

4020 Exceptions

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

Delimiters

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

Qwest Specific Fields

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

21.5 Mapping Examples

21.5.1 850 Analog Line-Side Port (850ANLG) - Version 4020

Legend of Symbols in this transaction example

Symbol/Definition	Example
{ } = Valid Format	{CCYYMMDD}
Bold/Italics = DWS Element	**PON**^{LSR-1}
Superscript = DWS Ref # DWS used in this Mapping Example: LSR=Local Service Request EU=End User DL=Directory Listing PS=Port Services	
Italics = Literal	*GOOD*
Underline = Apply code conversion, used with **Bold/Italics**. Code conversion tables can be found in the data dictionary of this disclosure.	**ACT**
[ ] = 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*11*EAN^EU-40*EAN
REF*JB*PROJECT^LSR-20
REF*SU*RTR^LSR-28*RTR
REF*CO*RPON^LSR-51*RPON
REF*1V*RORD^LSR-52*RORD
REF*12*BAN1^LSR-61*BAN1
PAM*QU*HTQTY^LSR-6*EA
PAM*T5*LOCQTY^LSR-5*EA
PAM*48*PG_of_^LSR-10(1st 2 Bytes)*EA
PAM*47*PG_of_^LSR-10(2nd 2 Bytes)*EA
PAM*KC*DQTY^EU-5*EA
PAM*QP*PQTY^PS-5*EA
PAM*BH*DDQTY^DL-23*EA
SAC*N**TI*EXP                              [If this segment appears then EXP^LSR-26 = "Y"]
DTM*097*D/TSENT{CCYYMMDD}^LSR-12*D/TSENT{HHMM}^LSR-12
DTM*150*DDD{CCYYMMDD}^LSR-14***TM*APPTIME{HHMM}^LSR-15
DTM*270*DATED{CCYYMMDD}^LSR-36
SI*TI*TY*TOS^LSR-44
SI*TI*RE*REQTYP^LSR-23
SI*TI*AA*ACT^LSR-24
SI*TI*PW*PORTTYP^LSR-38
```

SI*TI*LO***LST**[LSR-42]
SI*TI*NC* **NC**[LSR-46]
SI*TI*NI* **NCI**[LSR-48]
PID*S**TI*AH***SO-RSQ***CHC**[LSR-22]
PID*S**TI*CONVIND***SO-RSQ***CONVIND**[LSR-24a]
PID*S**TI*AO***SO-RSQ***AGAUTH**[LSR-35]
PID*S**TI*BI***SO-RSQ***FBI**[EU-42]
PID*S**TI*PENDING***SO-RSQ***PENDING ORDER**[LSR-108b]
PWK*DW*NS*1*DG*91***DRC**[LSR-98]
N9*H7*ORI* *EU*****2W>**MANUAL IND**[EU-63a]
MTX***REMARKS**[EU-63]
N9*H7*ORI* *LSR*****2W>**MANUAL IND**[LSR-108a]
MTX***REMARKS**[LSR-108]
N9*H7*ORI* *PORT*****2W>**MANUAL IND**[PS-61a]
MTX***REMARKS**[PS-61]
N1*78***CCNA**[LSR-1]
NX2*91***APOT**[LSR-41]
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]
N1*AN***AUTHNM**[LSR-37]
N1*BT**92***ACNA**[LSR-64]
N1*DG***DSGCON**[LSR-97]
PER*DE**FX* **FAX NO**[LSR-100]
N1*X1***BILLNM**[EU-43]
N2***SBILLNM**[EU-44]
N4***STATE**[EU-49]***ZIP**[EU-50]
NX2*01***SANO**[EU-45b]
NX2*02***SASN**[EU-45e]
NX2*03***SASD**[EU-45d]
NX2*07* ***CITY**[EU-48]
NX2*32***FLOOR**[EU-46]
NX2*35* **ROOM/MAIL STOP**[EU-47]
NX2*40***SASS**[EU-45g]
NX2*59***SAPR**[EU-45a]
NX2*61***SASF**[EU-45c]
NX2*62***SATH**[EU-45f]
PER*BI* **BILLCON** [EU-51]*TE***TEL NO** [EU-52]
SI*TI*AF***AFT**[EU-44a]

End User Form (Location and Access Section)

PO1*n*1*EA***ZZ*_EU_SA_   [PO1 Loop may repeat]
PID*S**TI*ANV***SO-RSQ***ANV**[EU-8a]
REF*IX* **LOCNUM** [EU-7]*_LOCNUM_
N1*IT* **NAME**[EU-8]
N4***STATE**[EU-25]***ZIP**[EU-26]**RJ* **CALA**[EU-26a]
NX2*01***SANO**[EU-11]
NX2*02***SASN**[EU-14]
NX2*03***SASD**[EU-13]
NX2*05* **BOX**[EU-23c]
NX2*06* **ROUTE**[EU-23b]
NX2*07* **CITY**[EU-24]
NX2*39***AHN**[EU-23a]
NX2*40***SASS**[EU-16]
NX2*59***SAPR**[EU-10]
NX2*61***SASF**[EU-12]
NX2*62***SATH**[EU-15]

NX2***_LD1_**[EU-17]*__LV1__[EU-18]
NX2***_LD2_**[EU-19]*__LV2__[EU-20]
NX2***_LD3_**[EU-21]*__LV3__[EU-22]
SI*TI*AF***AFT***[EU-9]

End User Form (Disconnect Information Section)

PO1*n*1*EA***ZZ*_EU_DISC_   [PO1 Loop may repeat]
SI*TI*ND***DISC NBR***[EU-55]
SI*TI*T6***TC OPT***[EU-57]
REF*IX***DNUM***[EU-54]*_DNUM_
DTM*376***TC PER***{CCYYMMDD}[EU-62]
SLN*_TCPRI_*n*A*1*EA
SI*TI*TC***TC TO PRI***[EU-58]
N1*TT***TC NAME***[EU-58b]
REF*55***TCID***[EU-58a]*_PRI_
SLN*_TCSEC_*n*A*1*EA   [SLN Loop may repeat]
SI*TI*TC***TC TO SEC***[EU-59]
N1*TT***TC NAME***[EU-61]
REF*55***TCID***[EU-60]*_SEC_

Port Service Form

PO1*n*1*EA***ZZ*_PS_   [PO1 Loop may repeat]
SI*TI*SA***_LNA_***[PS-12]
SI*TI*TN***TNS*** [PS-16]
SI*TI*LZ***LSCP***[PS-51]
SI*TI*OT***OTN***[PS-20]
SI*TI*CM***CKR***[PS-29]
SI*TI*CN***ECCKT***[PS-32]
SI*TI*T6***TC OPT***[PS-33]
SI*TI*SY***SSIG***[PS-49]
SI*TI*PE***PULSE***[PS-50]
SI*TI*TQ***TLI***[PS-17a]
SI*TI*T5***TERS***[PS-17]
PID*X**TI*CFA***CFA***[PS-46]
REF*IX***LNUM***[PS-9]*_LNUM_
REF*GP***TSP***[PS-27]
REF*AE***SAN***[PS-28]
DTM*376***TC PER***{CCYYMMDD} [PS-38]
N1*P9**41***PIC***[PS-22]
N1*8V**41***LPIC***[PS-23]
SLN*_TCPRI_*n*A*1*EA
SI*TI*TC***TC TO PRI***[PS-34]
N1*TT***TC NAME***[PS-34b]
REF*55***TCID***[PS-34a]*_PRI_
SLN*_TCSEC_*n*A*1*EA   [SLN Loop may repeat]
SI*TI*TC***TC TO SEC***[PS-35]
N1*TT***TC NAME***[PS-37]
REF*55***TCID***[PS-36]*_SEC_

SLN*_BL_*n*A*1*EA
SI*TI*BB***BA***[PS-52]*TB***BLOCK***[PS-53]

SLN*_FA_*n*A*1*EA   [SLN Loop may repeat per FA/FEATURE pair]
SI*TI*SA***_FA_***[PS-58]*SC***FEATURE***[PS-59]

SI*TI*FD*$FEATURE DETAIL$[PS-60]   [SI Segment may repeat.]

Regular Hunting

PO1*n*1*EA***ZZ*HG [If this segment appears, **$HNTYP$**[LSR-116] = 5]
SI*TI*SA***HA**[LSR-112]
SI*TI*SG*HID[LSR-113]
SI*TI*SF***$HNTYP$**[LSR-116]
REF*IX*$LOCNUM$[LSR-109]*LOCNUM
REF*IX*$HNUM$[LSR-110]*HNUM
SLN*HNT*n*A*1*EA
N9*55*$HTSEQ$
MTX**$HTSEQ$[LSR-118]

Multi-Line Hunting

PO1*n*1*EA***ZZ*ML [If this segment appears, **$HNTYP$**[LSR-116] = 4]
SI*TI*SA***HA**[LSR-112]
SI*TI*SG*HID[LSR-113]
SI*TI*SF***$HNTYP$**[LSR-116]
SI*TI*TQ*TLI[LSR-115]
REF*IX*$LOCNUM$[LSR-109]*LOCNUM
REF*IX*$HNUM$[LSR-110]*HNUM
SLN*$MHNT$*n*A*1*EA
N9*55*$HTSEQ$
MTX**$HTSEQ$[LSR-118]

DL Form (Delivery Address/Information Section)

PO1*n*1*EA***ZZ*DA [PO1 Loop repeats $DDQTY$[DL-23] times]
SI*TI*AD*$DACT$[DL-81]
QTY*31*$DIRQTYA$[DL-103]*DY
QTY*38*$DIRQTYNC$[DL-104]*DY
N1*DA*$DELNAME$
N4**$STATE$[DL-99]*ZIP[DL-100]
NX2*01*$DDANO$[DL-85]
NX2*02*$DDASN$[DL-88]
NX2*03*$DDASD$[DL-87]
NX2*07*$CITY$[DL-98]
NX2*18*$DDALO$[DL-90a]
NX2*40*$DDASS$[DL-90]
NX2*59*$DDAPR$[DL-84]
NX2*61*$DDASF$[DL-86]
NX2*62*$DDATH$[DL-89]

DL Form (Service Details Section)

PO1*n*1*EA***ZZ*DL*SH*RTY[DL-12]   [PO1 Loop may repeat]
SI*TI*LB*$LACT$[DL-10]
SI*TI*LE*LTY[DL-13]
SI*TI*TW*$STYC$[DL-15]
SI*TI*BR*TOA[DL-16]
SI*TI*DG*DOI[DL-17]
SI*TI*DN*$DIRNAME$[DL-34]

SI*TI*BO***BRO**[DL-28]
PID*S**TI*AR***SO-RSQ***OMTN***[DL-41]
PID*S**TI*AS***SO-RSQ***LNPL***[DL-44]
PID*S**TI*AT***SO-RSQ***ADI***[DL-61]
PID*S**TI*AW***SO-RSQ***DML***[DL-25]
PID*S**TI*AX***SO-RSQ***NOSL***[DL-26]
PID*S**TI*AY***SO-RSQ***TMKT***[DL-27]
PID*S**TI*BA***SO-RSQ***PROF***[DL-32]
REF*LI***ALI***[DL-11]
N9*82**PLA**
MTX****PLA***[DL-55]
N9*82**LTXTY***LTXTY*[DL-57]
MTX****LTEXT***[DL-59]
N9*H7*ORI**DL*
MTX****REMARKS***[DL-113]
N1*DH**LISTINGS*
IN2*05***LNLN***[DL-45]
IN2*02***LNFN***[DL-46]***LNFN***[DL-46]
IN2*21***DES***[DL-47]
IN2*10***TL***[DL-48]**TL*
IN2*01***TITLE1***[DL-49]**TITLE1*
IN2*18***NICK***[DL-54]
IN2*12***DESD***[DL-50a]**DESD*
IN2*10***TLD***[DL-51] **TLD*
IN2*01***TITLE1D***[DL-52] **TITLE1D*
N4****LAST***[DL-71]
NX2*01***LANO***[DL-63]
NX2*02***LASN***[DL-66]
NX2*03***LASD***[DL-65]
NX2*07***LALOC***[DL-70]
NX2*18***LALO***[DL-69]
NX2*40***LASS***[DL-68]
NX2*59***LAPR***[DL-62]
NX2*61***LASF***[DL-64]
NX2*62***LATH***[DL-67]
SI*TI*TN* **LTN**[DL-39]
SI*TI*NS***NSTN***[DL-40]

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 #

21.5.2 **860 Analog Line-Side Port Supplemental Service Request (860ANLG) - Version 4020**

The 860 SUPP is identical to the 850 ANLG except for the following:

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?? = "*EU_DISC*" or "*PS*" or "*EU_SA*" or "*HG*" or "*ML*" or "*DA*"
POC*n*RZ******ZZ*??*SH****RTY***[DL-12] Where?? = "*DL*"

Important Note: A "Dummy" POC loop is not required for 860 transactions

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

21.6 DATA DICTIONARY

21.6.1 850 Analog Line Side Port (850ANLG)

Functional Group ID=PO

Introduction:

The 850ANLG service request will be used by the Co-Provider to initiate a service request for Analog Line Side Port to Qwest.

This implementation guideline references the following:
1. LSOG 5 and Qwest assigned fields
2. ANSI ASC X12 Version 4020
3. TCIF/SOSC Guidelines, ELMS 5

Notes:

This 850 Transaction includes the mappings for Local Service Request, End User, Port Service, and Directory Listing.

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 - N9			1000	
	2950	N9	Reference Identification	O	1		
	3000	MTX	Text	O	>1		
			LOOP ID - N9			1000	
	2950	N9	Reference Identification	O	1		
	3000	MTX	Text	O	>1		
			LOOP ID - N1			200	

				Req.		Loop	Notes and

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

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - PO1			100000	
M	0100	PO1	Baseline Item Data - End User Form (Location and Access Section)	M	1		n1
			LOOP ID - PID			1000	
	0500	PID	Product/Item Description	O	1		
	1000	REF	Reference Identification	O	>1		
			LOOP ID - N1			200	
	3500	N1	Name	O	1		
	3800	N4	Geographic Location	O	1		
	3850	NX2	Location ID Component	O	>1		
	4050	SI	Service Characteristic Identification	O	>1		
			LOOP ID - PO1			100000	
M	0100	PO1	Baseline Item Data - End User Form (Disconnect Information Section)	M	1		n2
	0180	SI	Service Characteristic Identification	O	>1		
	1000	REF	Reference Identification	O	>1		
	2100	DTM	Date/Time Reference	O	10		
			LOOP ID - SLN			>1	
	4700	SLN	Subline Item Detail	O	1		
	4800	SI	Service Characteristic Identification	O	>1		
			LOOP ID - N1			10	
	5350	N1	Name	O	1		
	5800	REF	Reference Identification	O	12		
			LOOP ID - SLN			>1	
	4700	SLN	Subline Item Detail	O	1		

	4800	SI	Service Characteristic Identification	O	>1		
			LOOP ID - N1			10	
	5350	N1	Name	O	1		
	5800	REF	Reference Identification	O	12		
			LOOP ID - PO1			100000	
M	0100	PO1	Baseline Item Data - Port Service Form	M	1		n3
	0180	SI	Service Characteristic Identification	O	>1		
			LOOP ID - PID			1000	
	0500	PID	Product/Item Description	O	1		
	1000	REF	Reference Identification	O	>1		
	2100	DTM	Date/Time Reference	O	10		
			LOOP ID - N1			200	
	3500	N1	Name	O	1		
			LOOP ID - N1			200	
	3500	N1	Name	O	1		
			LOOP ID - SLN			>1	
	4700	SLN	Subline Item Detail	O	1		
	4800	SI	Service Characteristic Identification	O	>1		
			LOOP ID - N1			10	
	5350	N1	Name	O	1		
	5800	REF	Reference Identification	O	12		
			LOOP ID - SLN			>1	
	4700	SLN	Subline Item Detail	O	1		
	4800	SI	Service Characteristic Identification	O	>1		
			LOOP ID - N1			10	
	5350	N1	Name	O	1		
	5800	REF	Reference Identification	O	12		
			LOOP ID - SLN			>1	
	4700	SLN	Subline Item Detail	O	1		
	4800	SI	Service Characteristic Identification	O	>1		
			LOOP ID - SLN			>1	
	4700	SLN	Subline Item Detail	O	1		
	4800	SI	Service Characteristic Identification	O	>1		
			LOOP ID - PO1			100000	
M	0100	PO1	Baseline Item Data - Regular Hunting	M	1		n4
	0180	SI	Service Characteristic Identification	O	>1		
	1000	REF	Reference Identification	O	>1		
			LOOP ID - SLN			>1	
	4700	SLN	Subline Item Detail	O	1		
			LOOP ID - N9			>1	
	5230	N9	Reference Identification	O	1		
	5250	MTX	Text	O	>1		
			LOOP ID - PO1			100000	
M	0100	PO1	Baseline Item Data - Multi-Line Hunting	M	1		n5

	Pos.	Seg.	Name	Req.	Max Use	Loop Repeat	Notes and Comments
	0180	SI	Service Characteristic Identification	O	>1		
	1000	REF	Reference Identification	O	>1		
			LOOP ID - SLN			>1	
	4700	SLN	Subline Item Detail	O	1		
			LOOP ID - N9			>1	
	5230	N9	Reference Identification	O	1		
	5250	MTX	Text	O	>1		
			LOOP ID - PO1			100000	
M	0100	PO1	Baseline Item Data - DL Form (Delivery Address Section)	M	1		n6
	0180	SI	Service Characteristic Identification	O	>1		
			LOOP ID - QTY			>1	
	2930	QTY	Quantity	O	1		
			LOOP ID - QTY			>1	
	2930	QTY	Quantity	O	1		
			LOOP ID - N1			200	
	3500	N1	Name	O	1		
	3800	N4	Geographic Location	O	1		
	3850	NX2	Location ID Component	O	>1		
			LOOP ID - PO1			100000	
M	0100	PO1	Baseline Item Data - DL Form (Service Details Section)	M	1		n7
	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		
	3650	IN2	Individual Name Structure Components	O	>1		
	3800	N4	Geographic Location	O	1		
	3850	NX2	Location ID Component	O	>1		
	4050	SI	Service Characteristic Identification	O	>1		
			LOOP ID - PO1			100000	
M	0100	PO1	Baseline Item Data - Dummy (DD)	M	1		n8

Summary:

No.	ID	Name	Des.	Max.Use	Repeat	Comments
		LOOP ID - CTT			1	
0100	CTT	Transaction Totals	O	1		n9
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. PO102 is required.
9. 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 (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*11*EAN (EU-40)*EAN
	REF*JB*PROJECT (LSR-20)
	REF*SU*RTR (LSR-28)*RTR
	REF*CO*RPON (LSR-51)*RPON
	REF*1V*RORD (LSR-52)*RORD
	REF*12*BAN1 (LSR-61)*BAN1

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		
		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		
		EAN (EU-40) = Existing Account Number		
		PROJECT (LSR-20) = Project Identification		
		RTR (LSR-28) = Response Type Requested		
		RPON (LSR-51) = Related Purchase Order Number		
		RORD (LSR-52) = Related Order Number		
		BAN1 (LSR-61) = Billing Account Number 1		
REF03	352	**Description**	**X**	**AN 1/80**
		A free-form description to clarify the related data elements and their content		
		"AN"		
		"EAN"		

```
"RTR"
"RPON"
"RORD"
"BAN1"
```

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*QU*HTQTY (LSR-6)*EA
	PAM*T5*LOCQTY (LSR-5)*EA
	PAM*48* PG_of_ (LSR-10)(1st 2 Bytes)*EA
	PAM*47* PG_of_ (LSR-10)(2nd 2 Bytes)*EA
	PAM*KC*DQTY (EU-5)*EA
	PAM*QP* PQTY (PS-5)*EA
	PAM*BH*DDQTY (DL-23)*EA

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
PAM01	673	**Quantity Qualifier**	X	ID 2/2
		Code specifying the type of quantity		
		47 Primary Net Quantity		
		48 Secondary Net Quantity		
		BH Book Order Quantity		
		KC Net Quantity Decrease		
		The resultant quantity represents a net decrease to a previously transmitted quantity, after adjustments have been made		
		QP Quantity by Position		
		QU Quantity Serviced		
		T5 Total Number of Units		
PAM02	380	**Quantity**	X	R 1/15
		Numeric value of quantity		
		HTQTY (LSR-6) = Hunt Group Quantity		
		LOCQTY (LSR-5) = Location Quantity		
		First 2 bytes of PG_of_ (LSR-10)		

			Second 2 bytes of PG_of_ (LSR-10) DQTY (EU-5) = Disconnect Quantity PQTY (PS-5) = Port Quantity DDQTY (DL-23) = Number of Delivery Segments		
	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"]

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   X   AN 1/10 Code

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

EXP   Expedited Service Charge

	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)***TM*APPTIME{HHMM} (LSR-15)
	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		
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		
DTM05	**1250**	**Date Time Period Format Qualifier**	**X**	**ID 2/3**
		Code indicating the date format, time format, or date and time format		
		TM Time Expressed in Format HHMM		
		Time expressed in the format HHMM where HH is the numerical expression of hours in the day based on a twenty-four hour clock and MM is the numerical expression of minutes within an hour		
DTM06	**1251**	**Date Time Period**	**X**	**AN 1/35**
		Expression of a date, a time, or range of dates, times or dates and times		
		APPTIME{HHMM} (LSR-15) = Appointment Time		

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*TY*TOS (LSR-44)
	SI*TI*RE*REQTYP (LSR-23)
	SI*TI*AA*ACT (LSR-24)
	SI*TI*PW*PORTTYP (LSR-38)
	SI*TI*LO*LST (LSR-42)
	SI*TI*NC*NC (LSR-46)
	SI*TI*NI*NCI (LSR-48)

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		
			LO Local Exchange Carrier Serving Office		
			NC Network Channel		
			NI Network Channel Interface		
			PW Port Type		
			RE Requisition Type		
			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)
    C=(DWS : C-Change)
    V=(DWS : V-Conversion As Specified)
    Z=(DWS : Z-Conversion As Specified with no listing)

TOS (LSR-44) = Type of Service

REQTYP (LSR-23) = Requisition Type and Status
PORTTYP (LSR-38) = Port Type
LST (LSR-42) = Local Service Termination
NC (LSR-46) = Network Channel Code
NCI (LSR-48) = Network Channel Interface 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*AH***SO-RSQ*CHC (LSR-22)
PID*S**TI*CONVIND***SO-RSQ*CONVIND (LSR-24a)
PID*S**TI*AO***SO-RSQ*AGAUTH (LSR-35)
PID*S**TI*BI***SO-RSQ*FBI (EU-42)
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		
			AH　　　　Coordinated Hot Cut		
			AO　　　　Agency Authorization Status		
			BI　　　　Final Bill Information Indicator		
			CONVIND　　　　Conversion 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 (EU-42) = Final Bill Information Indicator
  Y = (DWS: D-Different)
  N = (DWS: E-Existing (Default))

CONVIND (LSR-24a) = Conversion Indicator
  Y = (DWS: F-Full)
  N = (DWS: P-Partial)

CHC (LSR-22) = Coordinated Hot Cut
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 1		
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*EU****2W>MANUAL IND (EU-63a)

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		
			"EU"		
	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 (EU-63a) = 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 (EU-63)

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 (EU-63) = Remarks		

	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:	**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*PORT****2W>MANUAL IND (PS-61a)

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		
			"PORT"		
	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 (PS-61a) = 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 (PS-61)	

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 (PS-61) = Remarks		

Segment:		**N1** 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*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			
N102	93	**Name**		X	**AN 1/60**
		Free-form name			
		CCNA (LSR-1) = Customer Carrier Name Abbreviation			

	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*91*APOT (LSR-41)

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		
			91 Additional Point of Termination (APOT)		
M	**NX202**	**166**	**Address Information**	M	**AN 1/55**
			Address information		
			APOT (LSR-41) = Additional Point of Termination		

	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)

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		
			CN General Contact		
	PER02	93	**Name**	O	AN 1/60
			Free-form name		
			INIT (LSR-81) = Initiator Identification		
			IMPCON (LSR-91) = 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		
	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		
			PAGER (LSR-93) = Pager Number		
			FAX NO (LSR-84) = Facsimile 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*BT**92*ACNA (LSR-64)			

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		
		BT Bill-to-Party		
N103	**66**	**Identification Code Qualifier**	**X**	**ID 1/2**
		Code designating the system/method of code structure used for Identification Code (67)		
		92 Assigned by Buyer or Buyer's Agent		
N104	**67**	**Identification Code**	**X**	**AN 2/80**
		Code identifying a party or other code		
		ACNA (LSR-64) = Access Customer Name Abbreviation		

Segment:	**N1** Name					

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

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**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		
		FX Facsimile		
PER04	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 (EU-43)

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 (EU-43) = 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 (EU-44)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	N201	93	**Name**	M	**AN 1/60**
			Free-form name		
			SBILLNM (EU-44) = Secondary Bill 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 (EU-49)*ZIP (EU-50)

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 (EU-49) = 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 (EU-50) = 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 (EU-45b)
	NX2*02*SASN (EU-45e)
	NX2*03*SASD (EU-45d)
	NX2*07*CITY (EU-48)
	NX2*32*FLOOR (EU-46)
	NX2*35*ROOM/MAIL STOP (EU-47)
	NX2*40*SASS (EU-45g)
	NX2*59*SAPR (EU-45a)
	NX2*61*SASF (EU-45c)
	NX2*62*SATH (EU-45f)

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 (EU-45b) = Service Address Number
SASN (EU-45e) = Service Address Street Name
SASD (EU-45d) = Service Address Street Directional Prefix
CITY (EU-48) = City
FLOOR (EU-46) = Floor
ROOM/MAIL STOP (EU-47) = Room/Mail Stop
SASS (EU-45g) = Service Address Street Directional Suffix
SAPR (EU-45a) = Service Address Number Prefix
SASF (EU-45c) = Service Address Number Suffix
SATH (EU-45f) = 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 (EU-51) *TE*TEL NO (EU-52)

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 (EU-51) = 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 (EU-52) = Telephone Number		

Segment: **SI** Service Characteristic Identification

Position:	3650
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To specify service characteristic data
Syntax Notes:	1 If either SI04 or SI05 is present, then the other is required.
	2 If either SI06 or SI07 is present, then the other is required.
	3 If either SI08 or SI09 is present, then the other is required.
	4 If either SI10 or SI11 is present, then the other is required.
	5 If either SI12 or SI13 is present, then the other is required.
	6 If either SI14 or SI15 is present, then the other is required.
	7 If either SI16 or SI17 is present, then the other is required.
	8 If either SI18 or SI19 is present, then the other is required.
	9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:	
Comments:	1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:	SI*TI*AF*AFT (EU-44a)

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 (EU-44a) = Address Format Type		

Segment:	**PO1** Baseline Item Data - End User Form (Location and Access 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*EU_SA [PO1 Loop may repeat]	

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		
		"EU_SA"		

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 (EU-8a)

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 Validated 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 (EU-8a) = Address Not Validated Indicator		
			Refer to 004020 Data Element Dictionary for acceptable code values.		

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 (EU-7)*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		
	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 (EU-7) = Location Number		
	REF03	352	**Description**	X	**AN 1/80**
			A free-form description to clarify the related data elements and their content		
			"LOCNUM"		

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*NAME (EU-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		
		NAME (EU-8) = End User 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 (EU-25)*ZIP (EU-26)**RJ*CALA (EU-26a)

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 (EU-25) = 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 (EU-26) = ZIP/Postal Code		
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 (EU-26a) = Customer Address Location Area		

			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 (EU-11)
NX2*02*SASN (EU-14)
NX2*03*SASD (EU-13)
NX2*05*BOX (EU-23c)
NX2*06*ROUTE (EU-23b)
NX2*07*CITY (EU-24)
NX2*39*AHN (EU-23a)
NX2*40*SASS (EU-16)
NX2*59*SAPR (EU-10)
NX2*61*SASF (EU-12)
NX2*62*SATH (EU-15)
NX2*LD1 (EU-17)*LV1 (EU-18)
NX2*LD2 (EU-19)*LV2 (EU-20)
NX2*LD3 (EU-21)*LV3 (EU-22)
```

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 (EU-17) = Location Designator 1
  13=(DWS: APT)
  34=(DWS: LOT)
  35=(DWS: RM)
  36=(DWS: SLIP)
  37=(DWS: UNIT)
  14=(DWS: SUIT)

LD2 (EU-19) = Location Designator 2
  32=(DWS: FLR)

LD3 (EU-21) = Location Designator 3
  12=(DWS: BLDG)
  63=(DWS: WNG)
  30=(DWS: PIER)

01	Street Number
02	Street Name
03	Prefix Direction
05	P.O. Box Number
06	Rural Route Number
07	City Name
12	Building Name
13	Apartment Number

			14	Suite Number
			30	Pier
				The pier at which a ship or boat is docked
			32	Floor
				A particular floor or level of a building
			34	Lot
				A particular lot or piece of land
			35	Room
				A walled room or partitioned area of a building
			36	Slip
				The slip or location on a pier at which a ship or boat is docked
			37	Unit
				A unit or separate structure
			39	Unstructured Property
			40	Street Suffix
			59	Street Number Low
			61	Street Number Fraction
			62	Street Name Suffix
			63	Secondary Unit Identifier
M	NX202	166	**Address Information**	M AN 1/55

Address information

SANO (EU-11) = Service Address Number
SASN (EU-14) = Service Address Street Name
SASD (EU-13) = Service Address Street Directional Prefix
BOX (EU-23c) = Box
ROUTE (EU-23b) = Route
CITY (EU-24) = City
AHN (EU-23a) = Assigned House Number
SASS (EU-16) = Service Address Street Directional Suffix
SAPR (EU-10) = Service Address Number Prefix
SASF (EU-12) = Service Address Number Suffix
SATH (EU-15) = Service Address Street Type
LV1 (EU-18) = Location Value 1
LV2 (EU-20) = Location Value 2
LV3 (EU-22) = Location Value 3

	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 (EU-9)

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 (EU-9) = Address Format Type		

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

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		
		"EU_DISC"		

Segment: **SI** Service Characteristic Identification

Position:	0180
Loop:	PO1 Mandatory
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify service characteristic data
Syntax Notes:	1 If either SI04 or SI05 is present, then the other is required.
	2 If either SI06 or SI07 is present, then the other is required.
	3 If either SI08 or SI09 is present, then the other is required.
	4 If either SI10 or SI11 is present, then the other is required.
	5 If either SI12 or SI13 is present, then the other is required.
	6 If either SI14 or SI15 is present, then the other is required.
	7 If either SI16 or SI17 is present, then the other is required.
	8 If either SI18 or SI19 is present, then the other is required.
	9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:	
Comments:	1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:	SI*TI*ND*DISC NBR (EU-55)
	SI*TI*T6*TC OPT (EU-57)

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		
			ND Disconnect Number		
			T6 Transfer of Calls Options		
M	SI03	234	**Product/Service ID**	M	AN 1/48
			Identifying number for a product or service		
			DISC NBR (EU-55) = Disconnect Telephone Number		
			TC OPT (EU-57) = Transfer of Call Options		

		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*DNUM (EU-54)*DNUM

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		
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		
		DNUM (EU-54) = Disconnect Line Number		
REF03	352	**Description**	X	AN 1/80
		A free-form description to clarify the related data elements and their content		
		"DNUM"		

		Segment:	**DTM** Date/Time Reference

Segment: **DTM** Date/Time Reference

Position:	2100
Loop:	PO1 Mandatory
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To specify pertinent dates and times
Syntax Notes:	**1** At least one of DTM02 DTM03 or DTM05 is required.
	2 If DTM04 is present, then DTM03 is required.
	3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:	
Comments:	
Notes:	DTM*376*TC PER{CCYYMMDD} (EU-62)

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		
		376 Delivery End		
		The date that deliveries will end		
DTM02	**373**	**Date**	**X**	**DT 8/8**
		Date expressed as CCYYMMDD		
		TC PER (EU-62) = Transfer of Calls Period		

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*TCPRI*n*A*1*EA

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		
		"TCPRI"		
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		
		1 Always one		

	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

	Segment:	**SI** Service Characteristic Identification
	Position:	4800
	Loop:	SLN 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*TC*TC TO PRI (EU-58)

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		
			TC Transfer Announcement Number		
M	SI03	234	**Product/Service ID**	M	AN 1/48
			Identifying number for a product or service		
			TC TO PRI (EU-58) = Transfer of Calls to Primary Number		

Segment:		**N1** Name			

Segment: **N1** Name

Position: 5350
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*TT*TC NAME (EU-58b)

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		
		TT Transfer To		
N102	**93**	**Name**	**X**	**AN 1/60**
		Free-form name		
		TC NAME (EU-58b) = Transfer of Calls to Name		

Segment: **REF** Reference Identification

Position: 5800
Loop: N1   Optional
Level: Detail
Usage: Optional
Max Use: 12
Purpose: To specify identifying information
Syntax Notes:
1. At least one of REF02 or REF03 is required.
2. If either C04003 or C04004 is present, then the other is required.
3. If either C04005 or C04006 is present, then the other is required.

Semantic Notes:
1. REF04 contains data relating to the value cited in REF02.

Comments:
Notes: REF*55*TCID (EU-58a)*PRI

Data Element Summary

Attributes	Ref. Des.	Data Element	Name		
M	REF01	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			55 Sequence 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		
			TCID (EU-58a) = Transfer of Calls to Identifier		
	REF03	352	**Description**	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
			"PRI"		

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*TCSEC*n*A*1*EA   [SLN Loop may repeat.]

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		
			"TCSEC"		
	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		
			1 Always one		

	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

	Segment:	**SI** Service Characteristic Identification
	Position:	4800
	Loop:	SLN 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*TC*TC TO SEC (EU-59)

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		
			TC Transfer Announcement Number		
M	SI03	234	**Product/Service ID**	M	**AN 1/48**
			Identifying number for a product or service		
			TC TO SEC (EU-59) = Transfer of Calls to Secondary Number		

	Segment:	**N1** Name
	Position:	5350
	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*TT*TC NAME (EU-61)

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		
			TT Transfer To		
	N102	93	**Name**	X	**AN 1/60**
			Free-form name		
			TC NAME (EU-61) = Transfer of Calls to Name		

	Segment:	**REF** Reference Identification

Position: 5800
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 12
Purpose: To specify identifying information
Syntax Notes: 1 At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.
Comments:
Notes: REF*55*TCID (EU-60)*SEC

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M REF01	128	**Reference Identification Qualifier**	**M**	**ID 2/3**
		Code qualifying the Reference Identification		
		55 Sequence 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		
		TCID (EU-60) = Transfer of Calls to Identifier		
REF03	352	**Description**	**X**	**AN 1/80**
		A free-form description to clarify the related data elements and their content		
		"SEC"		

Segment:	**PO1** Baseline Item Data - Port Service Form		

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*PS   [PO1 Loop may repeat.]

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		
		"PS"		

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*SA*LNA (PS-12)
SI*TI*TN*TNS (PS-16)
SI*TI*LZ*LSCP (PS-51)
SI*TI*OT*OTN (PS-20)
SI*TI*CM*CKR (PS-29)
SI*TI*CN*ECCKT (PS-32)
SI*TI*T6*TC OPT (PS-33)
SI*TI*SY*SSIG (PS-49)
SI*TI*PE*PULSE (PS-50)
SI*TI*TQ*TLI (PS-17a)
SI*TI*T5*TERS (PS-17)

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		
			CM Local Service Providers Circuit Number		
			CN Circuit Number Identification		
			LZ Freeze Local Service Provider		
			OT Out Telephone Number		
			PE Pulse Type		
			SA Service Activity		
			SY Start Signaling		
			T5 Terminal Number		
			T6 Transfer of Calls Options		
			TN Telephone Number		
			TQ Telephone Line Identifier		
M	SI03	234	**Product/Service ID**	M	AN 1/48

Identifying number for a product or service

LNA (PS-12) = Line Activity
   A = (DWS: N-New)
   D = (DWS: D-Disconnect)
   C = (DWS: C-Change)
   V = (DWS: V-Conversion as specified)
   P = (DWS: P-PIC change)
  CT = (DWS: X-TN change)

TNS (PS-16) = Telephone Numbers
CKR (PS-29) = Customer Circuit Reference
ECCKT (PS-32) = Exchange Company Circuit ID
LSCP (PS-51) = Local Service Provider Change Prohibited
OTN (PS-20) = Out Telephone Number
PULSE (PS-50) = Type of pulsing
SSIG (PS-49) = Start Signaling
TERS (PS-17) = Terminal Numbers
TLI (PS-17a) = Telephone Line Identifier
TC OPT (PS-33) = Transfer of Call Options

	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 (PS-46)

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 Connecting Facility Assignment		
	PID05	352	**Description**	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
			CFA (PS-46) = Connecting Facility Assignment		

<table>
<tr><td align="right">**Segment:**</td><td># REF **Reference Identification**</td></tr>
<tr><td align="right">**Position:**</td><td>1000</td></tr>
<tr><td align="right">**Loop:**</td><td>PO1   Mandatory</td></tr>
<tr><td align="right">**Level:**</td><td>Detail</td></tr>
<tr><td align="right">**Usage:**</td><td>Optional</td></tr>
<tr><td align="right">**Max Use:**</td><td>>1</td></tr>
<tr><td align="right">**Purpose:**</td><td>To specify identifying information</td></tr>
<tr><td align="right">**Syntax Notes:**</td><td>**1**   At least one of REF02 or REF03 is required.</td></tr>
<tr><td></td><td>**2**   If either C04003 or C04004 is present, then the other is required.</td></tr>
<tr><td></td><td>**3**   If either C04005 or C04006 is present, then the other is required.</td></tr>
<tr><td align="right">**Semantic Notes:**</td><td>**1**   REF04 contains data relating to the value cited in REF02.</td></tr>
<tr><td align="right">**Comments:**</td><td></td></tr>
<tr><td align="right">**Notes:**</td><td>REF*IX*LNUM (PS-9)*LNUM
REF*GP*TSP (PS-27)
REF*AE*SAN (PS-28)</td></tr>
</table>

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			
			GP Government Priority Number			
			IX Item 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			
			LNUM (PS-9) = Line Number TSP (PS-27) = Telecommunications Service Priority SAN (PS-28) = Subscriber Authorization Number			
	REF03	352	**Description**	**X**	**AN 1/80**	
			A free-form description to clarify the related data elements and their content			
			"LNUM"			

	Segment:	**DTM** Date/Time Reference

Position: 2100
Loop: PO1   Mandatory
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes: 1   At least one of DTM02 DTM03 or DTM05 is required.
               2   If DTM04 is present, then DTM03 is required.
               3   If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: DTM*376*TC PER{CCYYMMDD} (PS-38)

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		
			376 Delivery End		
			The date that deliveries will end		
	DTM02	373	**Date**	X	DT 8/8
			Date expressed as CCYYMMDD		
			TC PER (PS-38) = Transfer of Calls Period		

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*P9**41*PIC (PS-22)

Data Element Summary

Ref. Des. Attributes	Data Element	Name			
M					
M	**N101**	98	**Entity Identifier Code**	**M**	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			P9 Primary Interexchange Carrier (PIC)		
			Identifies the carrier who will handle the interexchange calls		
	N103	66	**Identification Code Qualifier**	**X**	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)		
			41 Telecommunications Carrier Identification Code		
			Identifies the Interexchange carrier for the charges being billed		
	N104	67	**Identification Code**	**X**	**AN 2/80**
			Code identifying a party or other code		
			PIC (PS-22) = InterLATA Pre-subscription Indicator Code		

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*8V**41*LPIC (PS-23)			

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		
		8V Primary Intra-LATA (Local Access Transport Area) Carrier		
N103	66	**Identification Code Qualifier**	X	ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)		
		41 Telecommunications Carrier Identification Code		
		Identifies the Interexchange carrier for the charges being billed		
N104	67	**Identification Code**	X	AN 2/80
		Code identifying a party or other code		
		LPIC (PS-23) = IntraLATA Pre-subscription Indicator Code		

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*TCPRI*n*A*1*EA

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		
			"TCPRI"		
	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		
			1 Always one		

	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

	Segment:	**SI** Service Characteristic Identification
	Position:	4800
	Loop:	SLN 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*TC*TC TO PRI (PS-34)

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		
			TC Transfer Announcement Number		
M	SI03	234	**Product/Service ID**	M	AN 1/48
			Identifying number for a product or service		
			TC TO PRI (PS-34) = Transfer of Calls to Primary Number		

Segment:		**N1** Name			
Position:		5350			
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*TT*TC NAME (PS-34b)			

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		
			TT Transfer To		
	N102	93	**Name**	**X**	**AN 1/60**
			Free-form name		
			TC NAME (PS-34b) = Transfer of Calls to Name		

Segment:		**REF** Reference Identification			

Position: 5800
Loop: N1   Optional
Level: Detail
Usage: Optional
Max Use: 12
Purpose: To specify identifying information
Syntax Notes: 1 At least one of REF02 or REF03 is required.
    2 If either C04003 or C04004 is present, then the other is required.
    3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.
Comments:
Notes: REF*55*TCID (PS-34a)*PRI

Data Element Summary

Ref. Des. Attributes	Data Element	Name			
M REF01	128	**Reference Identification Qualifier**	M	ID 2/3	
		Code qualifying the Reference Identification			
		55 Sequence 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			
		TCID (PS-34a) = Transfer of Calls to Identifier			
REF03	352	**Description**	X	AN 1/80	
		A free-form description to clarify the related data elements and their content			
		"PRI"			

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*TCSEC*n*A*1*EA [SLN Loop may repeat]

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		
			"TCSEC"		
	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		
			1 Always one		

	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

	Segment:		**SI** Service Characteristic Identification

Position: 4800
Loop: SLN   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*TC*TC TO SEC (PS-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		
			TC Transfer Announcement Number		
M	SI03	234	**Product/Service ID**	M	**AN 1/48**
			Identifying number for a product or service		
			TC TO SEC (PS-35) = Transfer of Calls to Secondary Number		

Segment:		**N1** Name			

Position:	5350
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*TT*TC NAME (PS-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		
			TT Transfer To		
	N102	93	**Name**	X	**AN 1/60**
			Free-form name		
			TC NAME (PS-37) = Transfer of Calls to Name		

	Segment:	**REF** Reference Identification			
	Position:	5800			
	Loop:	N1 Optional			
	Level:	Detail			
	Usage:	Optional			
	Max Use:	12			
	Purpose:	To specify identifying information			
	Syntax Notes:	1 At least one of REF02 or REF03 is required.			
		2 If either C04003 or C04004 is present, then the other is required.			
		3 If either C04005 or C04006 is present, then the other is required.			
	Semantic Notes:	1 REF04 contains data relating to the value cited in REF02.			
	Comments:				
	Notes:	REF*55*TCID (PS-36)*SEC			

Data Element Summary

Attributes	Ref. Des.	Data Element	Name		
M	REF01	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			55 Sequence 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		
			TCID (PS-36) = Transfer of Calls to Identifier		
	REF03	352	**Description**	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
			"SEC"		

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*BL*n*A*1*EA

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		
			"BL"		
	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		
			1 Always one		

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

Segment: # SI Service Characteristic Identification

Position: 4800
Loop: SLN   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*BB*BA (PS-52)*TB*BLOCK (PS-53)

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		
		BB Blocking Activity		
M SI03	234	**Product/Service ID**	M	**AN 1/48**
		Identifying number for a product or service		
		BA (PS-52) = Blocking Activity		
SI04	1000	**Service Characteristics Qualifier**	X	**AN 2/2**
		Code from an industry code list qualifying the type of service characteristics		
		TB Blocking/Billing Exception		
SI05	234	**Product/Service ID**	X	**AN 1/48**
		Identifying number for a product or service		
		BLOCK (PS-53) = Block		

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*FA*n*A*1*EA [SLN Loop may repeat per FA/FEATURE 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		
		"FA"		
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		
		1 Always one		

	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

Segment: # SI Service Characteristic Identification

Position:	4800
Loop:	SLN 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*SA*FA (PS-58)*SC*FEATURE (PS-59)
	SI*TI*FD*FEATURE DETAIL (PS-60) [SI Segment may repeat]

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		
		FD Feature Data		
		SA Service Activity		
M SI03	234	**Product/Service ID**	M	AN 1/48
		Identifying number for a product or service		
		FA (PS-58) = Feature Activity		
		A = (DWS: N-Add)		
		D = (DWS: D-Disconnect)		
		V = (DWS: V-Conversion as specified)		
		CF = (DWS: C-Change feature detail)		
		C T = (DWS: T-Change (New Line))		
		FEATURE DETAIL (PS-60) = Feature Detail		
SI04	1000	**Service Characteristics Qualifier**	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
		SC Service Category		
SI05	234	**Product/Service ID**	X	AN 1/48
		Identifying number for a product or service		
		FEATURE (PS-59) = Feature Codes		

	PO1 Baseline Item Data - Regular Hunting
Segment:	

Segment: **PO1** Baseline Item Data - Regular Hunting

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*HG [If this segment appears, HNTYP (LSR-116) = 5]

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		
		"HG"		

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*SA*HA (LSR-112)
	SI*TI*SG*HID (LSR-113)
	SI*TI*SF*HNTYP (LSR-116)

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		
			SA Service Activity		
			SF Service Feature/Option		
			SG Service Group		
M	SI03	234	**Product/Service ID**	M	AN 1/48
			Identifying number for a product or service		

HA (LSR-112) = Hunt Group Activity
  A=(DWS: N-New)
  C=(DWS: C-Change)
  D=(DWS: D-Remove)
  V=(DWS: V-Conversion as specified)

HID (LSR-113) = Hunt Group Identifier
HNTYP (LSR-116) = Hunting Type Code
  HTY003 = (DWS: 5-Regular/Series)
  HTY004 = (DWS: 4-Multi-Line)

	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 (LSR-109)*LOCNUM
	REF*IX*HNUM (LSR-110)*HNUM

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		
	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 (LSR-109) = Location Number		
			HNUM (LSR-110) = Hunt Number		
	REF03	352	**Description**	X	**AN 1/80**
			A free-form description to clarify the related data elements and their content		
			"LOCNUM"		
			"HNUM"		

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*HNT*n*A*1*EA

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		
			"HNT"		
	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		
			1 Always one		

	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

	Segment:	**N9** Reference Identification
	Position:	5230
	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*55*HTSEQ

Data Element Summary

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

Segment:	**MTX** Text
Position:	5250
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**HTSEQ (LSR-118)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
MTX02	1551	Message Text	X	AN 1/4096
		To transmit large volumes of message text		
		HTSEQ (LSR-118) = Hunting Sequence		

Segment:	**PO1** Baseline Item Data - Multi-Line Hunting

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*ML [This segment appears, HNTYP (LSR-116) = 4]

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		
		"ML"		

	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*SA*HA (LSR-112)
SI*TI*SG*HID (LSR-113)
SI*TI*SF*HNTYP (LSR-116)
SI*TI*TQ*TLI (LSR-115)

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		
			SA Service Activity		
			SF Service Feature/Option		
			SG Service Group		
			TQ Telephone Line Identifier		
M	SI03	234	**Product/Service ID**	M	AN 1/48
			Identifying number for a product or service		

HA (LSR-112) = Hunt Group Activity
  A=(DWS: N-New)
  C=(DWS: C-Change)
  D=(DWS: D-Remove)
  V=(DWS: V-Conversion as specified)

HNTYP (LSR-116) = Hunting Type Code
  HTY003 = (DWS: 5-Regular/Series)
  HTY004 = (DWS: 4-Multi-Line)

HID (LSR-113) = Hunt Group Identifier
TLI (LSR-115) = Telephone Line Identifier

		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 (LSR-109)*LOCNUM
       REF*IX*HNUM (LSR-110)*HNUM

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			
	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 (LSR-109) = Location Number			
			HNUM (LSR-110) = Hunt Number			
	REF03	352	**Description**	X	AN 1/80	
			A free-form description to clarify the related data elements and their content			
			"LOCNUM"			
			"HNUM"			

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*MHNT*n*A*1*EA

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		
			"MHNT"		
	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		
			1 Always one		

	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

Segment:	**N9** Reference Identification

Position: 5230
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*55*HTSEQ

Data Element Summary

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

Segment:	**MTX** Text

Position:	5250
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**HTSEQ (LSR-118)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
MTX02	**1551**	**Message Text**	**X**	**AN 1/4096**
		To transmit large volumes of message text		
		HTSEQ (LSR-118) = Hunting Sequence		

Segment:	**PO1** Baseline Item Data - DL Form (Delivery Address 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*DA [PO1 Loop repeats DDQTY (DL-23) 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	
		"DA"	

			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*AD*DACT (DL-81)

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		
			AD Address Activity		
M	SI03	234	**Product/Service ID**	M	**AN 1/48**
			Identifying number for a product or service		
			DACT (DL-81) = Delivery Activity		

	Segment:	**QTY** Quantity

Position: 2930
Loop: QTY   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: 1 At least one of QTY02 or QTY04 is required.
                           2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: 1 QTY04 is used when the quantity is non-numeric.
Comments:
Notes: QTY*31*DIRQTYA (DL-103)*DY

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	QTY01	673	**Quantity Qualifier**	M	ID 2/2
			Code specifying the type of quantity		
			31 Additional Demand Quantity		
	QTY02	380	**Quantity**	X	R 1/15
			Numeric value of quantity		
			DIRQTYA (DL-103) = Number of Directories for Annual Delivery		
	QTY03	C001	**Composite Unit of Measure**	O	
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
M	C00101	355	**Unit or Basis for Measurement Code**	M	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			DY Directory Books		
			Number of directory books delivered to customer		

	Segment:	**QTY** Quantity		

Position:	2930
Loop:	QTY Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify quantity information
Syntax Notes:	**1** At least one of QTY02 or QTY04 is required.
	2 Only one of QTY02 or QTY04 may be present.
Semantic Notes:	**1** QTY04 is used when the quantity is non-numeric.
Comments:	
Notes:	QTY*38*DIRQTYNC (DL-104)*DY

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	QTY01	673	**Quantity Qualifier**	M	ID 2/2
			Code specifying the type of quantity		
			38 Original Quantity		
	QTY02	380	**Quantity**	X	R 1/15
			Numeric value of quantity		
			DIRQTYNC (DL-104) = Number of Directories Delivered on New Connect		
	QTY03	C001	**Composite Unit of Measure**	O	
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
M	C00101	355	**Unit or Basis for Measurement Code**	M	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			DY Directory Books		
			Number of directory books delivered to customer		

	Segment:		**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*DA*DELNAME

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	
			DA Delivery Address	
	N102	**93**	**Name**	**X AN 1/60**
			Free-form name	
			"DELNAME"	

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 (DL-99)*ZIP (DL-100)

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 (DL-99) = 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 (DL-100) = ZIP/Postal Code		

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

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*DDANO (DL-85)
NX2*02*DDASN (DL-88)
NX2*03*DDASD (DL-87)
NX2*07*CITY (DL-98)
NX2*18*DDALO (DL-90a)
NX2*40*DDASS (DL-90)
NX2*59*DDAPR (DL-84)
NX2*61*DDASF (DL-86)
NX2*62*DDATH (DL-89)

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		
		18 Unstructured Mailing Address		
		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		

DDANO (DL-85) = Delivery Address Street Number
DDASN (DL-88) = Delivery Address Street Name
DDASD (DL-87) = Delivery Address Street Directional Prefix
CITY (DL-98) = City
DDALO (DL-90a) = Delivery Address Location
DDASS (DL-90) = Delivery Address Street Directional Suffix
DDAPR (DL-84) = Delivery Address Number Prefix
DDASF (DL-86) = Delivery Address Number Suffix
DDATH (DL-89) = Delivery Address Street Type

Segment:	**PO1** Baseline Item Data - DL Form (Service Details Section)

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

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		
		"DL"		
PO108	235	**Product/Service ID Qualifier**	**X**	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		SH Service Requested		

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

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

Identifying number for a product or service

RTY (DL-12) = Record Type

	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*LB*LACT (DL-10)
		SI*TI*LE*LTY (DL-13)
		SI*TI*TW*STYC (DL-15)
		SI*TI*BR*TOA (DL-16)
		SI*TI*DG*DOI (DL-17)
		SI*TI*DN*DIRNAME (DL-34)
		SI*TI*BO*BRO (DL-28)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	SI01	559	**Agency Qualifier Code**	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	**Service Characteristics Qualifier**	M	AN 2/2
			Code from an industry code list qualifying the type of service characteristics		
			BO Business/Residence Placement Override		
			BR Directory Listings Type of Account		
			DG Degree of Indent		
			DN Directory Book Name		
			LB Listing Activity Indicator		
			LE Listing Type		
			TW Style Code		
M	SI03	234	**Product/Service ID**	M	AN 1/48
			Identifying number for a product or service		
			LACT (DL-10) = Listing Activity Indicator		
			LTY (DL-13) = Listing Type		
			STYC (DL-15) = Style Code		
			TOA (DL-16) = Type of Account		
			DOI (DL-17) = Degree of Indent		
			DIRNAME (DL-34) = Directory Name		
			BRO (DL-28) = Business/Residence Placement Override		

		Segment:	**PID** Product/Item Description

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*AR***SO-RSQ*OMTN (DL-41)
	PID*S**TI*AS***SO-RSQ*LNPL (DL-44)
	PID*S**TI*AT***SO-RSQ*ADI (DL-61)
	PID*S**TI*AW***SO-RSQ*DML (DL-25)
	PID*S**TI*AX***SO-RSQ*NOSL (DL-26)
	PID*S**TI*AY***SO-RSQ*TMKT (DL-27)
	PID*S**TI*BA***SO-RSQ*PROF (DL-32)

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		
			AR Omit Telephone Number		
			AS Listed Name Placement		
			AT Address Indicator		
			AW Direct Mail List		
			AX No Solicitation Indicator		

		AY	Telemarketing		
		BA	Professional Identifier		
PID07	**822**	**Source Subqualifier**		**O**	**AN 1/15**

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

	SO-RSQ	Service Order - Reseller Questions list

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

Code indicating a Yes or No condition or response

OMTN (DL-41) = Omit TN
  Y = (DWS: O-Omit)
  Blank, Not Populated = (DWS: Blank-Do Not Omit)

LNPL (DL-44) = Letter Name Placement
  Y = (DWS: L-Letter Placement)
  Blank, Not Populated = (DWS: Blank-Default to Word Placement)

ADI (DL-61) = Address Indicator
  Y = (DWS: O-Omit in DA and directory)
  Blank, Not Populated = (DWS: Blank-Do not omit)

DML (DL-25) = Direct Mail List
  Y = (DWS: O-Omit)
  Blank, Not Populated = (DWS: Blank-Do Not Omit)

TMKT (DL-27) = Telemarketing
  Y = (DWS: O-Omit from Telemarketing)
  Blank, Not Populated = (DWS: Blank-Do Not Omit)

PROF (DL-32) = Professional Identifier
NOSL (DL-26) = No Solicitation Indicator

Segment:	**REF** Reference Identification				

Position: 1000
Loop: PO1   Mandatory
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:
  1   At least one of REF02 or REF03 is required.
  2   If either C04003 or C04004 is present, then the other is required.
  3   If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
  1   REF04 contains data relating to the value cited in REF02.
Comments:
Notes: REF*LI*ALI (DL-11)

Data Element Summary

Ref. Des. Attributes	Data Element	Name			
M	**REF01**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
			Code qualifying the Reference Identification		
			LI Line Item Identifier (Seller's)		
	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		
			ALI (DL-11) = Alpha/Numeric Listing Identifier Code		

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*82*PLA

Data Element Summary

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

	Segment:	**MTX** Text
	Position:	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**PLA (DL-55)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
MTX02	1551	Message Text	X	AN 1/4096
		To transmit large volumes of message text		
		PLA (DL-55) = Place Listing As		

	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*82*LTXTY*LTXTY (DL-57)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	N901	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			82 Data Item Description (DID) Reference		
			Specific data elements that the government will ask a contractor to provide and are spelled out in specific requirement documents		
	N902	127	**Reference Identification**	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			"LTXTY"		
	N903	369	**Free-form Description**	X	AN 1/45
			Free-form descriptive text		
			LTXTY (DL-57) = Listing Text Type		

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**LTEXT (DL-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		
		LTEXT (DL-59) = Line of Text		

	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*DL

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	
			"DL"	

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 (DL-113)

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 (DL-113) = Remarks		

	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*DH*LISTINGS

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		
			DH Doing Business As		
	N102	93	**Name**	X	**AN 1/60**
			Free-form name		
			"LISTINGS"		

Segment: **IN2** Individual Name Structure Components

Position: 3650
Loop: N1   Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To sequence individual name components for maximum specificity
Syntax Notes:
Semantic Notes:
Comments:
Notes:

IN2*05*LNLN (DL-45)
IN2*02*LNFN (DL-46)*LNFN (DL-46)
IN2*21*DES (DL-47)
IN2*10*TL (DL-48)*TL
IN2*01*TITLE1 (DL-49)*TITLE1
IN2*18*NICK (DL-54)
IN2*12*DESD (DL-50a)*DESD
IN2*10*TLD (DL-51)*TLD
IN2*01*TITLE1D (DL-52)*TITLE1D

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M IN201	1104	**Name Component Qualifier**	M	ID 2/2
		Code identifying the type of name component		
		01 Prefix		
		02 First Name		
		05 Last Name		
		10 Generation		
		12 Combined (Unstructured) Name		
		18 Preferred First Name or Nickname		
		21 Professional Title		
M IN202	93	**Name**	M	AN 1/60
		Free-form name		
		LNLN (DL-45) = Listed Name Last		
		LNFN (DL-46) = Listed Name First		
		DES (DL-47) = Designation		
		TL (DL-48) = Title of Lineage		
		TITLE1 (DL-49) = Title of Address 1		
		NICK (DL-54) = Nickname		
		DESD (DL-50a) = Designation for Dual Name		
		TLD (DL-51) = Title of Lineage for Dual Name		
		TITLE1D (DL-52) = Title of Address 1 for Dual Name		
IN203	93	**Name**	O	AN 1/60
		Free-form name		
		LNFN (DL-46) = Listed Name First		
		"TL"		
		"TITLE1"		
		"DESD"		
		"TLD"		
		"TITLE1D"		

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**LAST (DL-71)

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		
		LAST (DL-71) = Listed Address State/Province		

			Segment:	**NX2** Location ID Component

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*LANO (DL-63)
	NX2*02*LASN (DL-66)
	NX2*03*LASD (DL-65)
	NX2*07*LALOC (DL-70)
	NX2*18*LALO (DL-69)
	NX2*40*LASS (DL-68)
	NX2*59*LAPR (DL-62)
	NX2*61*LASF (DL-64)
	NX2*62*LATH (DL-67)

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		
		18 Unstructured Mailing Address		
		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		

LANO (DL-63) = Listed Address Number
LASF (DL-64) = Listed Address Number Suffix
LASD (DL-65) = Listed Address Street Directional Prefix
LASN (DL-66) = Listed Address Street Name
LASS (DL-68) = Listed Address Street Directional Suffix
LAPR (DL-62) = Listed Address Number Prefix
LALO (DL-69) = Listed Address Location
LATH (DL-67) = Listed Address Street Type
LALOC (DL-70) = Listed Address Locality

SI Service Characteristic Identification

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*TN*LTN (DL-39)
	SI*TI*NS*NSTN (DL-40)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M SI01	559	**Agency Qualifier Code**	M	ID 2/2
		Code identifying the agency assigning the code values		
		TI Telecommunications Industry		
M SI02	1000	**Service Characteristics Qualifier**	M	AN 2/2
		Code from an industry code list qualifying the type of service characteristics		
		NS Non-Standard Telephone Number		
		TN Telephone Number		
M SI03	234	**Product/Service ID**	M	AN 1/48
		Identifying number for a product or service		
		LTN (DL-39) = Listed Telephone Number		
		NSTN (DL-40) = Non Standard Telephone Number		

Segment:	**PO1** Baseline Item Data - Dummy (DD)		

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			

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

Data Element Summary

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

	Segment:	**SE** Transaction Set Trailer

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

21.6.2 860 Analog Line-Side Port Supp (860ANLG)

Functional Group ID=PC

Introduction:

The 860ANLG service request will be used by the Co-Provider to initiate a supplemental service request for Analog Line Side Port to Qwest.

This implementation guideline references the following:
1. LSOG 5 and Qwest assigned fields
2. ANSI ASC X12 Version 4020
3. TCIF/SOSC Guidelines, ELMS 5

Notes:

This 860 Transaction includes the mappings for Local Service Request, End User, Port Service, and Directory Listing.

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 - N9			1000	
	2850	N9	Reference Identification	O	1		
	2900	MTX	Text	O	>1		
			LOOP ID - N9			1000	
	2850	N9	Reference Identification	O	1		
	2900	MTX	Text	O	>1		
			LOOP ID - N1			200	
	3000	N1	Name	O	1		

Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
3350	NX2	Location ID Component	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		
		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		
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 - End User Form (Location and Access Section)	O	1		
		LOOP ID - PID			1000	
0500	PID	Product/Item Description	O	1		
1000	REF	Reference Identification	O	>1		
		LOOP ID - N1			200	
3400	N1	Name	O	1		
3700	N4	Geographic Location	O	1		
3750	NX2	Location ID Component	O	>1		
3950	SI	Service Characteristic Identification	O	>1		
		LOOP ID - POC			>1	
0100	POC	Line Item Change - End User Form (Disconnect Information)	O	1		
0180	SI	Service Characteristic Identification	O	>1		
1000	REF	Reference Identification	O	>1		
2000	DTM	Date/Time Reference	O	10		
		LOOP ID - SLN			>1	
4600	SLN	Subline Item Detail	O	1		
4700	SI	Service Characteristic Identification	O	>1		
		LOOP ID - N1			10	
5360	N1	Name	O	1		
5700	REF	Reference Identification	O	12		
		LOOP ID - SLN			>1	
4600	SLN	Subline Item Detail	O	1		
4700	SI	Service Characteristic Identification	O	>1		

		LOOP ID - N1			10
5360	N1	Name	O	1	
5700	REF	Reference Identification	O	12	
		LOOP ID - POC			>1
0100	POC	Line Item Change - Port Service	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	
2000	DTM	Date/Time Reference	O	10	
		LOOP ID - N1			200
3400	N1	Name	O	1	
		LOOP ID - N1			200
3400	N1	Name	O	1	
		LOOP ID - SLN			>1
4600	SLN	Subline Item Detail	O	1	
4700	SI	Service Characteristic Identification	O	>1	
		LOOP ID - N1			10
5360	N1	Name	O	1	
5700	REF	Reference Identification	O	12	
		LOOP ID - SLN			>1
4600	SLN	Subline Item Detail	O	1	
4700	SI	Service Characteristic Identification	O	>1	
		LOOP ID - N1			10
5360	N1	Name	O	1	
5700	REF	Reference Identification	O	12	
		LOOP ID - SLN			>1
4600	SLN	Subline Item Detail	O	1	
4700	SI	Service Characteristic Identification	O	>1	
		LOOP ID - SLN			>1
4600	SLN	Subline Item Detail	O	1	
4700	SI	Service Characteristic Identification	O	>1	
		LOOP ID - POC			>1
0100	POC	Line Item Change - Regular Hunting	O	1	
0180	SI	Service Characteristic Identification	O	>1	
1000	REF	Reference Identification	O	>1	
		LOOP ID - SLN			>1
4600	SLN	Subline Item Detail	O	1	
		LOOP ID - N9			>1
5230	N9	Reference Identification	O	1	
5250	MTX	Text	O	>1	
		LOOP ID - POC			>1
0100	POC	Line Item Change - Multi-Line Hunting	O	1	
0180	SI	Service Characteristic Identification	O	>1	

1000	REF	Reference Identification	O	>1		
		LOOP ID - SLN			>1	
4600	SLN	Subline Item Detail	O	1		
		LOOP ID - N9			>1	
5230	N9	Reference Identification	O	1		
5250	MTX	Text	O	>1		
		LOOP ID - POC			>1	
0100	POC	Line Item Change - DL Form (Delivery Address Section)	O	1		
0180	SI	Service Characteristic Identification	O	>1		
		LOOP ID - QTY			>1	
2930	QTY	Quantity	O	1		
		LOOP ID - QTY			>1	
2930	QTY	Quantity	O	1		
		LOOP ID - N1			200	
3400	N1	Name	O	1		
3700	N4	Geographic Location	O	1		
3750	NX2	Location ID Component	O	>1		
		LOOP ID - POC			>1	
0100	POC	Line Item Change - DL Form (Service Details Section)	O	1		
0180	SI	Service Characteristic Identification	O	>1		
		LOOP ID - PID			1000	
0500	PID	Product/Item Description	O	1		
1000	REF	Reference Identification	O	>1		
		LOOP ID - 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		
3550	IN2	Individual Name Structure Components	O	>1		
3700	N4	Geographic Location	O	1		
3750	NX2	Location ID Component	O	>1		
3950	SI	Service Characteristic Identification	O	>1		

Summary:

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

| | 0100 | CTT | Transaction Totals | O | 1 | 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

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=(DWS: 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 (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*11*EAN (EU-40)*EAN
REF*JB*PROJECT (LSR-20)
REF*SU*RTR (LSR-28)*RTR
REF*CO*RPON (LSR-51)*RPON
REF*1V*RORD (LSR-52)*RORD
REF*12*BAN1 (LSR-61)*BAN1
```

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		
		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 EAN (EU-40) = Existing Account Number PROJECT (LSR-20) = Project Identification RTR (LSR-28) = Response Type Requested RPON (LSR-51) = Related Purchase Order Number RORD (LSR-52) = Related Order Number BAN1 (LSR-61) = Billing Account Number 1		
	REF03	**352**	**Description**	**X**	**AN 1/80**
			A free-form description to clarify the related data elements and their content		
			"AN" "EAN"		

```
"RTR"
"RPON"
"RORD"
"BAN1"
```

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*QU*HTQTY (LSR-6)*EA
PAM*T5*LOCQTY (LSR-5)*EA
PAM*48* PG_of_ (LSR-10)(1st 2 Bytes)*EA
PAM*47* PG_of_ (LSR-10)(2nd 2 Bytes)*EA
PAM*KC*DQTY (EU-5)*EA
PAM*QP* PQTY (PS-5)*EA
PAM*BH*DDQTY (DL-23)*EA
```

Data Element Summary

Ref. Des. Attributes	Data Element	Name			
PAM01	673	**Quantity Qualifier**		X	ID 2/2
		Code specifying the type of quantity			
		47	Primary Net Quantity		
		48	Secondary Net Quantity		
		BH	Book Order Quantity		
		KC	Net Quantity Decrease		
			The resultant quantity represents a net decrease to a previously transmitted quantity, after adjustments have been made		
		QP	Quantity by Position		
		QU	Quantity Serviced		
		T5	Total Number of Units		
PAM02	380	**Quantity**		X	R 1/15
		Numeric value of quantity			
		HTQTY (LSR-6) = Hunt Group Quantity			
		LOCQTY (LSR-5) = Location Quantity			
		First 2 bytes of PG_of_ (LSR-10)			

			Second 2 bytes of PG_of_ (LSR-10) DQTY (EU-5) = Disconnect Quantity PQTY (PS-5) = Port Quantity DDQTY (DL-23) = Number of Delivery Segments		
	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"]

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   X   AN 1/10 Code

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

    EXP   Expedited Service Charge

	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)***TM*APPTIME{HHMM} (LSR-15)
		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

	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

	DTM05	1250	**Date Time Period Format Qualifier**	X	ID 2/3

Code indicating the date format, time format, or date and time format

TM	Time Expressed in Format HHMM
	Time expressed in the format HHMM where HH is the numerical expression of hours in the day based on a twenty-four hour clock and MM is the numerical expression of minutes within an hour

	DTM06	1251	**Date Time Period**	X	AN 1/35

Expression of a date, a time, or range of dates, times or dates and times

APPTIME{HHMM} (LSR-15) = Appointment Time

	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*TY*TOS (LSR-44)
	SI*TI*RE*REQTYP (LSR-23)
	SI*TI*AA*ACT (LSR-24)
	SI*TI*PW*PORTTYP (LSR-38)
	SI*TI*LO*LST (LSR-42)
	SI*TI*NC*NC (LSR-46)
	SI*TI*NI*NCI (LSR-48)

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		
			LO Local Exchange Carrier Serving Office		
			NC Network Channel		
			NI Network Channel Interface		
			PW Port Type		
			RE Requisition Type		
			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)		
			C=(DWS : C-Change)		
			V=(DWS : V-Conversion As Specified)		
			Z=(DWS : Z-Conversion As Specified with no listing)		
			TOS (LSR-44) = Type of Service		

REQTYP (LSR-23) = Requisition Type and Status
PORTTYP (LSR-38) = Port Type
LST (LSR-42) = Local Service Termination
NC (LSR-46) = Network Channel Code
NCI (LSR-48) = Network Channel Interface Code

	PID	**Product/Item Description**
Segment:		

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*AH***SO-RSQ*CHC (LSR-22)
	PID*S**TI*CONVIND***SO-RSQ*CONVIND (LSR-24a)
	PID*S**TI*AO***SO-RSQ*AGAUTH (LSR-35)
	PID*S**TI*BI***SO-RSQ*FBI (EU-42)
	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		
			AH Coordinated Hot Cut		
			AO Agency Authorization Status		
			BI Final Bill Information Indicator		
			CONVIND Conversion 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 (EU-42) = Final Bill Information Indicator
   Y = (DWS: D-Different)
   N = (DWS: E-Existing (Default))

CONVIND (LSR-24a) = Conversion Indicator
   Y = (DWS: F-Full)
   N = (DWS: P-Partial)

CHC (LSR-22) = Coordinated Hot Cut
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	1	
	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*EU****2W>MANUAL IND (EU-63a)

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		
			"EU"		
	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 (EU-63a) = 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 (EU-63)

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 (EU-63) = Remarks		

	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

	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: 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:	**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*PORT****2W>MANUAL IND (PS-61a)

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		
			"PORT"		
	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 (PS-61a) = 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 (PS-61)

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 (PS-61) = Remarks		

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

Data Element Summary

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

	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*91*APOT (LSR-41)

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		
			91 Additional Point of Termination (APOT)		
M	**NX202**	**166**	**Address Information**	**M**	**AN 1/55**
			Address information		
			APOT (LSR-41) = Additional Point of Termination		

	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)

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		
			CN General Contact		
	PER02	93	**Name**	O	AN 1/60
			Free-form name		
			INIT (LSR-81) = Initiator Identification IMPCON (LSR-91) = 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		
	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		
			PAGER (LSR-93) = Pager Number FAX NO (LSR-84) = Facsimile 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*BT**92*ACNA (LSR-64)

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		
			BT Bill-to-Party		
	N103	**66**	**Identification Code Qualifier**	**X**	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)		
			92 Assigned by Buyer or Buyer's Agent		
	N104	**67**	**Identification Code**	**X**	**AN 2/80**
			Code identifying a party or other code		
			ACNA (LSR-64) = Access Customer Name Abbreviation		

Segment:	**N1** Name				
Position:	3000				
Loop:	N1　　　Optional				
Level:	Heading				
Usage:	Optional				
Max Use:	1				
Purpose:	To identify a party by type of organization, name, and code				
Syntax Notes:	**1** At least one of N102 or N103 is required.				
	2 If either N103 or N104 is present, then the other is required.				
Semantic Notes:					
Comments:	**1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.				
	2 N105 and N106 further define the type of entity in N101.				
Notes:	N1*DG*DSGCON (LSR-97)				

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		
			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**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		
		FX Facsimile		
PER04	**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 (EU-43)

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 (EU-43) = Bill Name		

	Segment:	**N2** Additional Name Information

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 (EU-44)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	N201	93	Name	M	AN 1/60
			Free-form name		
			SBILLNM (EU-44) = Secondary Bill 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 (EU-49)*ZIP (EU-50)

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 (EU-49) = 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 (EU-50) = 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 (EU-45b)
> NX2*02*SASN (EU-45e)
> NX2*03*SASD (EU-45d)
> NX2*07*CITY (EU-48)
> NX2*32*FLOOR (EU-46)
> NX2*35*ROOM/MAIL STOP (EU-47)
> NX2*40*SASS (EU-45g)
> NX2*59*SAPR (EU-45a)
> NX2*61*SASF (EU-45c)
> NX2*62*SATH (EU-45f)

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 (EU-45b) = Service Address Number
> SASN (EU-45e) = Service Address Street Name
> SASD (EU-45d) = Service Address Street Directional Prefix
> CITY (EU-48) = City
> FLOOR (EU-46) = Floor
> ROOM/MAIL STOP (EU-47) = Room/Mail Stop
> SASS (EU-45g) = Service Address Street Directional Suffix
> SAPR (EU-45a) = Service Address Number Prefix
> SASF (EU-45c) = Service Address Number Suffix
> SATH (EU-45f) = 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 (EU-51) *TE*TEL NO (EU-52)

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 (EU-51) = 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 (EU-52) = 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 (EU-44a)

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 (EU-44a) = Address Format Type		

		Segment:	**POC** Line Item Change - End User Form (Location and Access 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*EU_SA   [POC Loop may repeat]

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		
			"EU_SA"		

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 (EU-8a)

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 Validated 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 (EU-8a) = Address Not Validated Indicator		
			Refer to 004020 Data Element Dictionary for acceptable code values.		

			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 (EU-7)*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		
	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 (EU-7) = Location Number		
	REF03	352	**Description**	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
			"LOCNUM"		

	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*NAME (EU-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		
			NAME (EU-8) = End User 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 (EU-25)*ZIP (EU-26)**RJ*CALA (EU-26a)

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 (EU-25) = 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 (EU-26) = ZIP/Postal Code		
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 (EU-26a) = Customer Address Location Area		

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 (EU-11)
NX2*02*SASN (EU-14)
NX2*03*SASD (EU-13)
NX2*05*BOX (EU-23c)
NX2*06*ROUTE (EU-23b)
NX2*07*CITY (EU-24)
NX2*39*AHN (EU-23a)
NX2*40*SASS (EU-16)
NX2*59*SAPR (EU-10)
NX2*61*SASF (EU-12)
NX2*62*SATH (EU-15)
NX2*LD1 (EU-17)*LV1 (EU-18)
NX2*LD2 (EU-19)*LV2 (EU-20)
NX2*LD3 (EU-21)*LV3 (EU-22)

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 (EU-17) = Location Designator 1
 13=(DWS: APT)
 34=(DWS: LOT)
 35=(DWS: RM)
 36=(DWS: SLIP)
 37=(DWS: UNIT)
 14=(DWS: SUIT)

LD2 (EU-19) = Location Designator 2
 32=(DWS: FLR)

LD3 (EU-21) = Location Designator 3
 12=(DWS: BLDG)
 63=(DWS: WNG)
 30=(DWS: PIER)

01	Street Number
02	Street Name
03	Prefix Direction
05	P.O. Box Number
06	Rural Route Number
07	City Name
12	Building Name
13	Apartment Number

		14	Suite Number		
		30	Pier		
			The pier at which a ship or boat is docked		
		32	Floor		
			A particular floor or level of a building		
		34	Lot		
			A particular lot or piece of land		
		35	Room		
			A walled room or partitioned area of a building		
		36	Slip		
			The slip or location on a pier at which a ship or boat is docked		
		37	Unit		
			A unit or separate structure		
		39	Unstructured Property		
		40	Street Suffix		
		59	Street Number Low		
		61	Street Number Fraction		
		62	Street Name Suffix		
		63	Secondary Unit Identifier		
M	**NX202**	**166**	**Address Information**	**M**	**AN 1/55**

Address information

SANO (EU-11) = Service Address Number
SASN (EU-14) = Service Address Street Name
SASD (EU-13) = Service Address Street Directional Prefix
BOX (EU-23c) = Box
ROUTE (EU-23b) = Route
CITY (EU-24) = City
AHN (EU-23a) = Assigned House Number
SASS (EU-16) = Service Address Street Directional Suffix
SAPR (EU-10) = Service Address Number Prefix
SASF (EU-12) = Service Address Number Suffix
SATH (EU-15) = Service Address Street Type
LV1 (EU-18) = Location Value 1
LV2 (EU-20) = Location Value 2
LV3 (EU-22) = Location Value 3

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 (EU-9)

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 (EU-9) = Address Format Type		

		Segment:	**POC** Line Item Change - End User Form (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*EU_DISC   [POC Loop may repeat]

Data Element Summary

Attributes	Ref. Des.	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		
			"EU_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*ND*DISC NBR (EU-55)
	SI*TI*T6*TC OPT (EU-57)

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		
			ND Disconnect Number		
			T6 Transfer of Calls Options		
M	SI03	234	**Product/Service ID**	M	AN 1/48
			Identifying number for a product or service		
			DISC NBR (EU-55) = Disconnect Telephone Number		
			TC OPT (EU-57) = Transfer of Call Options		

<table>
<tr><td>**Segment:**</td><td colspan="2"># REF Reference Identification</td></tr>
<tr><td>**Position:**</td><td colspan="2">1000</td></tr>
<tr><td>**Loop:**</td><td>POC</td><td>Optional</td></tr>
<tr><td>**Level:**</td><td colspan="2">Detail</td></tr>
<tr><td>**Usage:**</td><td colspan="2">Optional</td></tr>
<tr><td>**Max Use:**</td><td colspan="2">>1</td></tr>
<tr><td>**Purpose:**</td><td colspan="2">To specify identifying information</td></tr>
<tr><td>**Syntax Notes:**</td><td>**1**</td><td>At least one of REF02 or REF03 is required.</td></tr>
<tr><td></td><td>**2**</td><td>If either C04003 or C04004 is present, then the other is required.</td></tr>
<tr><td></td><td>**3**</td><td>If either C04005 or C04006 is present, then the other is required.</td></tr>
<tr><td>**Semantic Notes:**</td><td>**1**</td><td>REF04 contains data relating to the value cited in REF02.</td></tr>
<tr><td>**Comments:**</td><td colspan="2"></td></tr>
<tr><td>**Notes:**</td><td colspan="2">REF*IX*DNUM (EU-54)*DNUM</td></tr>
</table>

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		
	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		
			DNUM (EU-54) = Disconnect Line Number		
	REF03	352	**Description**	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
			"DNUM"		

Segment:	**DTM** Date/Time Reference				

Position: 2000
Loop: POC   Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:
1 At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:
Comments:
Notes: DTM*376*TC PER{CCYYMMDD} (EU-62)

Data Element Summary

Attributes	Ref. Des.	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		
			376 Delivery End		
			The date that deliveries will end		
	DTM02	373	**Date**	X	DT 8/8
			Date expressed as CCYYMMDD		
			TC PER (EU-62) = Transfer of Calls Period		

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*TCPRI*n*A*1*EA

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		
		"TCPRI"		
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		
		1 Always one		

	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

	Segment:	**SI** Service Characteristic Identification

Position: 4700
Loop: SLN   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*TC*TC TO PRI (EU-58)

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		
			TC Transfer Announcement Number		
M	SI03	234	**Product/Service ID**	M	**AN 1/48**
			Identifying number for a product or service		
			TC TO PRI (EU-58) = Transfer of Calls to Primary Number		

Segment:	**N1** Name			

Position: 5360
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*TT*TC NAME (EU-58b)

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		
		TT Transfer To		
N102	93	**Name**	**X**	**AN 1/60**
		Free-form name		
		TC NAME (EU-58b) = Transfer of Calls to Name		

	Segment:	**REF** Reference Identification

Position:	5700
Loop:	N1 Optional
Level:	Detail
Usage:	Optional
Max Use:	12
Purpose:	To specify identifying information
Syntax Notes:	**1** At least one of REF02 or REF03 is required.
	2 If either C04003 or C04004 is present, then the other is required.
	3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	**1** REF04 contains data relating to the value cited in REF02.
Comments:	
Notes:	REF*55*TCID (EU-58a)*PRI

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M **REF01**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
		Code qualifying the Reference Identification		
		55 Sequence 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		
		TCID (EU-58a) = Transfer of Calls to Identifier		
REF03	**352**	**Description**	**X**	**AN 1/80**
		A free-form description to clarify the related data elements and their content		
		"PRI"		

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*TCSEC*n*A*1*EA   [SLN Loop may repeat.]

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		
			"TCSEC"		
	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		
			1 Always one		

| | 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

	Segment:	**SI** Service Characteristic Identification

Position: 4700
Loop: SLN   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*TC*TC TO SEC (EU-59)

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		
		TC Transfer Announcement Number		
M **SI03**	**234**	**Product/Service ID**	**M**	**AN 1/48**
		Identifying number for a product or service		
		TC TO SEC (EU-59) = Transfer of Calls to Secondary Number		

Segment:	**N1** Name
Position:	5360
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*TT*TC NAME (EU-61)

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	
			TT Transfer To	
	N102	93	**Name**	X AN 1/60
			Free-form name	
			TC NAME (EU-61) = Transfer of Calls to Name	

	Segment:	**REF** Reference Identification		

Position: 5700
Loop: N1   Optional
Level: Detail
Usage: Optional
Max Use: 12
Purpose: To specify identifying information
Syntax Notes:
  1 At least one of REF02 or REF03 is required.
  2 If either C04003 or C04004 is present, then the other is required.
  3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
  1 REF04 contains data relating to the value cited in REF02.
Comments:
Notes: REF*55*TCID (EU-60)*SEC

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M REF01	128	**Reference Identification Qualifier**	**M**	**ID 2/3**
		Code qualifying the Reference Identification		
		55 Sequence 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		
		TCID (EU-60) = Transfer of Calls to Identifier		
REF03	352	**Description**	**X**	**AN 1/80**
		A free-form description to clarify the related data elements and their content		
		"SEC"		

Segment:	**POC** Line Item Change - Port Service				
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*PS [POC Loop may repeat]				

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		
			"PS"		

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*SA*LNA (PS-12)
	SI*TI*TN*TNS (PS-16)
	SI*TI*LZ*LSCP (PS-51)
	SI*TI*OT*OTN (PS-20)
	SI*TI*CM*CKR (PS-29)
	SI*TI*CN*ECCKT (PS-32)
	SI*TI*T6*TC OPT (PS-33)
	SI*TI*SY*SSIG (PS-49)
	SI*TI*PE*PULSE (PS-50)
	SI*TI*TQ*TLI (PS-17a)
	SI*TI*T5*TERS (PS-17)

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		
			CM Local Service Providers Circuit Number		
			CN Circuit Number Identification		
			LZ Freeze Local Service Provider		
			OT Out Telephone Number		
			PE Pulse Type		
			SA Service Activity		
			SY Start Signaling		
			T5 Terminal Number		
			T6 Transfer of Calls Options		
			TN Telephone Number		
			TQ Telephone Line Identifier		
M	SI03	234	**Product/Service ID**	M	AN 1/48

Identifying number for a product or service

LNA (PS-12) = Line Activity
   A = (DWS: N-New)
   D = (DWS: D-Disconnect)
   C = (DWS: C-Change)
   V = (DWS: V-Conversion as specified)
   P = (DWS: P-PIC change)
   CT = (DWS: X-TN change)

TNS (PS-16) = Telephone Numbers
CKR (PS-29) = Customer Circuit Reference
ECCKT (PS-32) = Exchange Company Circuit ID
LSCP (PS-51) = Local Service Provider Change Prohibited
OTN (PS-20) = Out Telephone Number
PULSE (PS-50) = Type of pulsing
SSIG (PS-49) = Start Signaling
TERS (PS-17) = Terminal Numbers
TLI (PS-17a) = Telephone Line Identifier
TC OPT (PS-33) = Transfer of Call Options

	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 (PS-46)

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 Connecting Facility Assignment		
	PID05	352	**Description**	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
			CFA (PS-46) = Connecting Facility Assignment		

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*LNUM (PS-9)*LNUM
REF*GP*TSP (PS-27)
REF*AE*SAN (PS-28)

Data Element Summary

Ref. Des. Attributes	Data Element	Name			
M **REF01**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**	
		Code qualifying the Reference Identification			
		AE	Authorization for Expense (AFE) Number		
		GP	Government Priority Number		
		IX	Item 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			
		LNUM (PS-9) = Line Number			
		TSP (PS-27) = Telecommunications Service Priority			
		SAN (PS-28) = Subscriber Authorization Number			
REF03	**352**	**Description**	**X**	**AN 1/80**	
		A free-form description to clarify the related data elements and their content			
		"LNUM"			

Segment: # DTM Date/Time Reference

Position: 2000
Loop: POC   Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:
1   At least one of DTM02 DTM03 or DTM05 is required.
2   If DTM04 is present, then DTM03 is required.
3   If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: DTM*376*TC PER{CCYYMMDD} (PS-38)

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		
		376 Delivery End		
		The date that deliveries will end		
DTM02	373	**Date**	X	DT 8/8
		Date expressed as CCYYMMDD		
		TC PER (PS-38) = Transfer of Calls Period		

		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*P9**41*PIC (PS-22)

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		
			P9 Primary Interexchange Carrier (PIC)		
			Identifies the carrier who will handle the interexchange calls		
	N103	66	**Identification Code Qualifier**	X	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)		
			41 Telecommunications Carrier Identification Code		
			Identifies the Interexchange carrier for the charges being billed		
	N104	67	**Identification Code**	X	**AN 2/80**
			Code identifying a party or other code		
			PIC (PS-22) = InterLATA Pre-subscription Indicator Code		

	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*8V**41*LPIC (PS-23)

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		
			8V Primary Intra-LATA (Local Access Transport Area) Carrier		
	N103	66	**Identification Code Qualifier**	X	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
			41 Telecommunications Carrier Identification Code		
			Identifies the Interexchange carrier for the charges being billed		
	N104	67	**Identification Code**	X	AN 2/80
			Code identifying a party or other code		
			LPIC (PS-23) = IntraLATA Pre-subscription Indicator Code		

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*TCPRI*n*A*1*EA

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		
			"TCPRI"		
D	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		
			1 Always one		

	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

Segment:		**SI** Service Characteristic Identification			

Position: 4700
Loop: SLN   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*TC*TC TO PRI (PS-34)

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		
			TC Transfer Announcement Number		
M	SI03	234	**Product/Service ID**	M	**AN 1/48**
			Identifying number for a product or service		
			TC TO PRI (PS-34) = Transfer of Calls to Primary Number		

Segment:		**N1** Name			
Position:		5360			
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*TT*TC NAME (PS-34b)			

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		
			TT Transfer To		
	N102	93	**Name**	X	AN 1/60
			Free-form name		
			TC NAME (PS-34b) = Transfer of Calls to Name		

Segment:	**REF** Reference Identification				

Position: 5700
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 12
Purpose: To specify identifying information
Syntax Notes: 1 At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.
Comments:
Notes: REF*55*TCID (PS-34a)*PRI

Data Element Summary

Ref. Des. Attributes		Data Element	Name			
M	REF01	128	**Reference Identification Qualifier**		M	**ID 2/3**
			Code qualifying the Reference Identification			
			55 Sequence 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			
			TCID (PS-34a) = Transfer of Calls to Identifier			
	REF03	352	**Description**		X	**AN 1/80**
			A free-form description to clarify the related data elements and their content			
			"PRI"			

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*TCSEC*n*A*1*EA   [SLN Loop may repeat]

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		
			"TCSEC"		
	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		
			1 Always one		

	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

Segment: **SI** Service Characteristic Identification

Position:	4700
Loop:	SLN 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*TC*TC TO SEC (PS-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		
			TC Transfer Announcement Number		
M	SI03	234	**Product/Service ID**	M	**AN 1/48**
			Identifying number for a product or service		
			TC TO SEC (PS-35) = Transfer of Calls to Secondary Number		

	Segment:	**N1** Name
	Position:	5360
	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*TT*TC NAME (PS-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		
			TT Transfer To		
	N102	93	**Name**	X	**AN 1/60**
			Free-form name		
			TC NAME (PS-37) = Transfer of Calls to Name		

	Segment:	**REF** Reference Identification

Position:	5700	
Loop:	N1	Optional
Level:	Detail	
Usage:	Optional	
Max Use:	12	
Purpose:	To specify identifying information	
Syntax Notes:	**1**	At least one of REF02 or REF03 is required.
	2	If either C04003 or C04004 is present, then the other is required.
	3	If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	**1**	REF04 contains data relating to the value cited in REF02.
Comments:		
Notes:	REF*55*TCID (PS-36)*SEC	

Data Element Summary

Attributes	Ref. Des.	Data Element	Name		
M	REF01	128	**Reference Identification Qualifier**	M	**ID 2/3**
			Code qualifying the Reference Identification		
			55 Sequence 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		
			TCID (PS-36) = Transfer of Calls to Identifier		
	REF03	352	**Description**	X	**AN 1/80**
			A free-form description to clarify the related data elements and their content		
			"SEC"		

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*BL*n*A*1*EA

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		
			"BL"		
	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		
			1 Always one		

	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

Segment: # SI Service Characteristic Identification

Position:	4700
Loop:	SLN 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*BB*BA (PS-52)*TB*BLOCK (PS-53)

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		
			BB Blocking Activity		
M	SI03	234	**Product/Service ID**	M	**AN 1/48**
			Identifying number for a product or service		
			BA (PS-52) = Blocking Activity		
	SI04	1000	**Service Characteristics Qualifier**	X	**AN 2/2**
			Code from an industry code list qualifying the type of service characteristics		
			TB Blocking/Billing Exception		
	SI05	234	**Product/Service ID**	X	**AN 1/48**
			Identifying number for a product or service		
			BLOCK (PS-53) = Block		

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*FA*n*A*1*EA [SLN Loop may repeat per FA/FEATURE 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		
		"FA"		
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		
		1 Always one		

| | 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

Segment: **SI** Service Characteristic Identification

Position:	4700
Loop:	SLN 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*SA*FA (PS-58)*SC*FEATURE (PS-59)
	SI*TI*FD*FEATURE DETAIL (PS-60) [SI Segment may repeat]

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		
			FD Feature Data		
			SA Service Activity		
M	SI03	234	**Product/Service ID**	M	AN 1/48
			Identifying number for a product or service		
			FA (PS-58) = Feature Activity		
			A = (DWS: N-Add)		
			D = (DWS: D-Disconnect)		
			V = (DWS: V-Conversion as specified)		
			CF = (DWS: C-Change feature detail)		
			C T = (DWS: T-Change (New Line))		
			FEATURE DETAIL (PS-60) = Feature Detail		
	SI04	1000	**Service Characteristics Qualifier**	X	AN 2/2
			Code from an industry code list qualifying the type of service characteristics		
			SC Service Category		
	SI05	234	**Product/Service ID**	X	AN 1/48
			Identifying number for a product or service		
			FEATURE (PS-59) = Feature Codes		

Segment:	**POC** Line Item Change - Regular Hunting				

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*HG   [If this segment appears, HNTYP (LSR-116) = 5]

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
NR	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		
			"HG"		

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*SA*HA (LSR-112)
	SI*TI*SG*HID (LSR-113)
	SI*TI*SF*HNTYP (LSR-116)

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

	Ref. Des. Attributes	Data Element	Name		
M	SI02	1000	**Service Characteristics Qualifier**	M	AN 2/2

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

SA	Service Activity
SF	Service Feature/Option
SG	Service Group

	Ref. Des. Attributes	Data Element	Name		
M	SI03	234	**Product/Service ID**	M	AN 1/48

Identifying number for a product or service

HA (LSR-112) = Hunt Group Activity
  A = (DWS: N-New)
  C = (DWS: C-Change)
  D = (DWS: D-Remove)
  V = (DWS: V-Conversion as specified)

HID (LSR-113) = Hunt Group Identifier
HNTYP (LSR-116) = Hunting Type Code
  HTY003 = (DWS: 5-Regular/Series)
  HTY004 = (DWS: 4-Multi-Line)

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 (LSR-109)*LOCNUM
REF*IX*HNUM (LSR-110)*HNUM

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			
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 (LSR-109) = Location Number			
		HNUM (LSR-110) = Hunt Number			
REF03	352	**Description**	X	AN 1/80	
		A free-form description to clarify the related data elements and their content			
		"LOCNUM"			
		"HNUM"			

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*HNT*n*A*1*EA

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		
			"HNT"		
	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		
			1 Always one		

	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

		Segment:	**N9** Reference Identification

Position: 5230
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*55*HTSEQ

Data Element Summary

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

Segment:	**MTX** Text
Position:	5250
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**HTSEQ (LSR-118)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
MTX02	1551	Message Text	X	AN 1/4096
		To transmit large volumes of message text		
		HTSEQ (LSR-118) = Hunting Sequence		

Segment:	**POC** Line Item Change - Multi-Line Hunting			

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*ML   [If this segment appears, HNTYP (LSR-116) = 4]

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		
			"ML"		

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*SA*HA (LSR-112)
	SI*TI*SG*HID (LSR-113)
	SI*TI*SF*HNTYP (LSR-116)
	SI*TI*TQ*TLI (LSR-115)

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		
			SA Service Activity		
			SF Service Feature/Option		
			SG Service Group		
			TQ Telephone Line Identifier		
M	SI03	234	**Product/Service ID**	M	AN 1/48
			Identifying number for a product or service		

HA (LSR-112) = Hunt Group Activity
  A=(DWS: N-New)
  C=(DWS: C-Change)
  D=(DWS: D-Remove)
  V=(DWS: V-Conversion as specified)

HNTYP (LSR-116) = Hunting Type Code
  HTY003 = (DWS: 5-Regular/Series)
  HTY004 = (DWS: 4-Multi-Line)

HID (LSR-113) = Hunt Group Identifier
TLI (LSR-115) = Telephone Line Identifier

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 (LSR-109)*LOCNUM
REF*IX*HNUM (LSR-110)*HNUM

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		
	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 (LSR-109) = Location Number		
			HNUM (LSR-110) = Hunt Number		
	REF03	352	**Description**	X	**AN 1/80**
			A free-form description to clarify the related data elements and their content		
			"LOCNUM"		
			"HNUM"		

SLN Subline Item Detail

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*MHNT*n*A*1*EA

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		
		"MHNT"		
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		
		1 Always one		

	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

	Segment:	**N9** Reference Identification
	Position:	5230
	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*55*HTSEQ

Data Element Summary

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

Segment: **MTX** Text

Position:	5250
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**HTSEQ (LSR-118)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
MTX02	1551	Message Text	X	AN 1/4096
		To transmit large volumes of message text		
		HTSEQ (LSR-118) = Hunting Sequence		

		Segment:	**POC** Line Item Change - DL Form (Delivery Address 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*DA   [POC Loop repeats DDQTY (DL-23) 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		
			"DA"		

	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*AD*DACT (DL-81)

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		
			AD Address Activity		
M	SI03	234	**Product/Service ID**	M	**AN 1/48**
			Identifying number for a product or service		
			DACT (DL-81) = Delivery Activity		

	Segment:	**QTY** Quantity

Position:	2930	
Loop:	QTY	Optional
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify quantity information	
Syntax Notes:	**1**	At least one of QTY02 or QTY04 is required.
	2	Only one of QTY02 or QTY04 may be present.
Semantic Notes:	**1**	QTY04 is used when the quantity is non-numeric.
Comments:		
Notes:	QTY*31*DIRQTYA (DL-103)*DY	

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	**QTY01**	**673**	**Quantity Qualifier**	**M**	**ID 2/2**
			Code specifying the type of quantity		
			31 Additional Demand Quantity		
	QTY02	**380**	**Quantity**	**X**	**R 1/15**
			Numeric value of quantity		
			DIRQTYA (DL-103) = Number of Directories for Annual Delivery		
	QTY03	**C001**	**Composite Unit of Measure**	**O**	
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
M	**C00101**	**355**	**Unit or Basis for Measurement Code**	**M**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			DY Directory Books		
			Number of directory books delivered to customer		

Segment:	**QTY** Quantity				

Position:	2930
Loop:	QTY Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify quantity information
Syntax Notes:	**1** At least one of QTY02 or QTY04 is required.
	2 Only one of QTY02 or QTY04 may be present.
Semantic Notes:	**1** QTY04 is used when the quantity is non-numeric.
Comments:	
Notes:	QTY*38*DIRQTYNC (DL-104)*DY

Data Element Summary

	Ref. Des. Attributes	Data Element	Name			
M	**QTY01**	**673**	**Quantity Qualifier**		**M**	**ID 2/2**
			Code specifying the type of quantity			
			38 Original Quantity			
	QTY02	**380**	**Quantity**		**X**	**R 1/15**
			Numeric value of quantity			
			DIRQTYNC (DL-104) = Number of Directories Delivered on New Connect			
	QTY03	**C001**	**Composite Unit of Measure**		**O**	
			To identify a composite unit of measure (See Figures Appendix for examples of use)			
M	**C00101**	**355**	**Unit or Basis for Measurement Code**		**M**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
			DY Directory Books			
			Number of directory books delivered to customer			

Segment:		**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*DA*DELNAME			

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		
			DA	Delivery Address	
	N102	**93**	**Name**	**X**	**AN 1/60**
			Free-form name		
			"DELNAME"		

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 (DL-99)*ZIP (DL-100)

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 (DL-99) = 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 (DL-100) = ZIP/Postal Code		

			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*DDANO (DL-85)
NX2*02*DDASN (DL-88)
NX2*03*DDASD (DL-87)
NX2*07*CITY (DL-98)
NX2*18*DDALO (DL-90a)
NX2*40*DDASS (DL-90)
NX2*59*DDAPR (DL-84)
NX2*61*DDASF (DL-86)
NX2*62*DDATH (DL-89)

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		
		18 Unstructured Mailing Address		
		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		

DDANO (DL-85) = Delivery Address Street Number
DDASN (DL-88) = Delivery Address Street Name
DDASD (DL-87) = Delivery Address Street Directional Prefix
CITY (DL-98) = City
DDALO (DL-90a) = Delivery Address Location
DDASS (DL-90) = Delivery Address Street Directional Suffix
DDAPR (DL-84) = Delivery Address Number Prefix
DDASF (DL-86) = Delivery Address Number Suffix
DDATH (DL-89) = Delivery Address Street Type

| | | **Segment:** | **POC** Line Item Change - DL Form (Service Details Section) |

Segment: **POC** Line Item Change - DL Form (Service Details Section)

Position: 0100
Loop: POC   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify changes to a line item
Syntax Notes:
1 If POC03 is present, then both POC04 and POC05 are required.
2 If POC07 is present, then POC06 is required.
3 If either POC08 or POC09 is present, then the other is required.
4 If either POC10 or POC11 is present, then the other is required.
5 If either POC12 or POC13 is present, then the other is required.
6 If either POC14 or POC15 is present, then the other is required.
7 If either POC16 or POC17 is present, then the other is required.
8 If either POC18 or POC19 is present, then the other is required.
9 If either POC20 or POC21 is present, then the other is required.
10 If either POC22 or POC23 is present, then the other is required.
11 If either POC24 or POC25 is present, then the other is required.
12 If either POC26 or POC27 is present, then the other is required.
Semantic Notes:
1 POC01 is the purchase order line item identification.
Comments:
Notes: POC*n*RZ******ZZ*DL*SH*RTY (DL-12)   [POC Loop may repeat]

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		
			"DL"		
	POC10	235	**Product/Service ID Qualifier**	X	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			SH Service Requested		
			A numeric or alphanumeric code from a list of services available to the customer		
	POC11	234	**Product/Service ID**	X	**AN 1/48**
			Identifying number for a product or service		
			RTY (DL-12) = Record Type		

			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*LB*LACT (DL-10)
SI*TI*LE*LTY (DL-13)
SI*TI*TW*STYC (DL-15)
SI*TI*BR*TOA (DL-16)
SI*TI*DG*DOI (DL-17)
SI*TI*DN*DIRNAME (DL-34)
SI*TI*BO*BRO (DL-28)

Data Element Summary

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

LACT (DL-10) = Listing Activity Indicator
LTY (DL-13) = Listing Type
STYC (DL-15) = Style Code
TOA (DL-16) = Type of Account
DOI (DL-17) = Degree of Indent
DIRNAME (DL-34) = Directory Name
BRO (DL-28) = Business/Residence Placement Override

	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*AR***SO-RSQ*OMTN (DL-41)
PID*S**TI*AS***SO-RSQ*LNPL (DL-44)
PID*S**TI*AT***SO-RSQ*ADI (DL-61)
PID*S**TI*AW***SO-RSQ*DML (DL-25)
PID*S**TI*AX***SO-RSQ*NOSL (DL-26)
PID*S**TI*AY***SO-RSQ*TMKT (DL-27)
PID*S**TI*BA***SO-RSQ*PROF (DL-32)

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		
			AR Omit Telephone Number		
			AS Listed Name Placement		
			AT Address Indicator		
			AW Direct Mail List		
			AX No Solicitation Indicator		

| | | AY | Telemarketing |
| | | BA | Professional Identifier |

| **PID07** | **822** | **Source Subqualifier** | **O** | **AN 1/15** |

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

SO-RSQ   Service Order - Reseller Questions list

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

Code indicating a Yes or No condition or response

OMTN (DL-41) = Omit TN
  Y = (DWS: O-Omit)
  Blank, Not Populated = (DWS: Blank-Do Not Omit)

LNPL (DL-44) = Letter Name Placement
  Y = (DWS: L-Letter Placement)
  Blank, Not Populated = (DWS: Blank-Default to Word Placement)

ADI (DL-61) = Address Indicator
  Y = (DWS: O-Omit in DA and directory)
  Blank, Not Populated = (DWS: Blank-Do not omit)

DML (DL-25) = Direct Mail List
  Y = (DWS: O-Omit)
  Blank, Not Populated = (DWS: Blank-Do Not Omit)

TMKT (DL-27) = Telemarketing
  Y = (DWS: O-Omit from Telemarketing)
  Blank, Not Populated = (DWS: Blank-Do Not Omit)

PROF (DL-32) = Professional Identifier
NOSL (DL-26) = No Solicitation Indicator

			Segment:	**REF** Reference Identification		

Position: 1000
Loop: POC   Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes: 1   At least one of REF02 or REF03 is required.
2   If either C04003 or C04004 is present, then the other is required.
3   If either C04005 or C04006 is present, then the other is required.
Semantic Notes: 1   REF04 contains data relating to the value cited in REF02.
Comments:
Notes: REF*LI*ALI (DL-11)

Data Element Summary

Attributes	Ref. Des.	Data Element	Name			
M	REF01	128	**Reference Identification Qualifier**		M	ID 2/3
			Code qualifying the Reference Identification			
			LI Line Item Identifier (Seller's)			
	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			
			ALI (DL-11) = Alpha/Numeric Listing Identifier Code			

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*82*PLA				

Data Element Summary

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

Segment:	**MTX** Text
Position:	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**PLA (DL-55)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
MTX02	1551	**Message Text**	X	AN 1/4096
		To transmit large volumes of message text		
		PLA (DL-55) = Place Listing As		

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*82*LTXTY*LTXTY (DL-57)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M N901	128	**Reference Identification Qualifier**	M	ID 2/3
		Code qualifying the Reference Identification		
		82 Data Item Description (DID) Reference		
		Specific data elements that the government will ask a contractor to provide and are spelled out in specific requirement documents		
N902	127	**Reference Identification**	X	AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
		"LTXTY"		
N903	369	**Free-form Description**	X	AN 1/45
		Free-form descriptive text		
		LTXTY (DL-57) = Listing Text Type		

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**LTEXT (DL-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		
		LTEXT (DL-59) = Line of Text		

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*DL

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		
		"DL"		

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 (DL-113)

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 (DL-113) = Remarks		

	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*DH*LISTINGS

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	
			DH Doing Business As	
	N102	**93**	**Name**	**X AN 1/60**
			Free-form name	
			"LISTINGS"	

	Segment:	**IN2** Individual Name Structure Components		

Position: 3550
Loop: N1   Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To sequence individual name components for maximum specificity
Syntax Notes:
Semantic Notes:
Comments:
Notes:
IN2*05*LNLN (DL-45)
IN2*02*LNFN (DL-46)*LNFN (DL-46)
IN2*21*DES (DL-47)
IN2*10*TL (DL-48)*TL
IN2*01*TITLE1 (DL-49)*TITLE1
IN2*18*NICK (DL-54)
IN2*12*DESD (DL-50a)*DESD
IN2*10*TLD (DL-51)*TLD
IN2*01*TITLE1D (DL-52)*TITLE1D

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	IN201	1104	**Name Component Qualifier**	M	ID 2/2
			Code identifying the type of name component		
			01 Prefix		
			02 First Name		
			05 Last Name		
			10 Generation		
			12 Combined (Unstructured) Name		
			18 Preferred First Name or Nickname		
			21 Professional Title		
M	IN202	93	**Name**	M	AN 1/60
			Free-form name		
			LNLN (DL-45) = Listed Name Last		
			LNFN (DL-46) = Listed Name First		
			DES (DL-47) = Designation		
			TL (DL-48) = Title of Lineage		
			TITLE1 (DL-49) = Title of Address 1		
			NICK (DL-54) = Nickname		
			DESD (DL-50a) = Designation for Dual Name		
			TLD (DL-51) = Title of Lineage for Dual Name		
			TITLE1D (DL-52) = Title of Address 1 for Dual Name		
	IN203	93	**Name**	O	AN 1/60
			Free-form name		
			LNFN (DL-46) = Listed Name First		
			"TL"		
			"TITLE1"		
			"DESD"		
			"TLD"		
			"TITLE1D"		

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**LAST (DL-71)

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		
		LAST (DL-71) = Listed Address State/Province		

	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*LANO (DL-63)
NX2*02*LASN (DL-66)
NX2*03*LASD (DL-65)
NX2*07*LALOC (DL-70)
NX2*18*LALO (DL-69)
NX2*40*LASS (DL-68)
NX2*59*LAPR (DL-62)
NX2*61*LASF (DL-64)
NX2*62*LATH (DL-67)

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		
			18 Unstructured Mailing Address		
			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		

LANO (DL-63) = Listed Address Number
LASF (DL-64) = Listed Address Number Suffix
LASD (DL-65) = Listed Address Street Directional Prefix
LASN (DL-66) = Listed Address Street Name
LASS (DL-68) = Listed Address Street Directional Suffix
LAPR (DL-62) = Listed Address Number Prefix
LALO (DL-69) = Listed Address Location
LATH (DL-67) = Listed Address Street Type
LALOC (DL-70) = Listed Address Locality

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*TN*LTN (DL-39)
	SI*TI*NS*NSTN (DL-40)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	SI01	559	**Agency Qualifier Code**	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	**Service Characteristics Qualifier**	M	AN 2/2
			Code from an industry code list qualifying the type of service characteristics		
			NS Non-Standard Telephone Number		
			TN Telephone Number		
M	SI03	234	**Product/Service ID**	M	AN 1/48
			Identifying number for a product or service		
			LTN (DL-39) = Listed Telephone Number		
			NSTN (DL-40) = Non Standard Telephone Number		

		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		