

DS1 DID-PBX Trunks

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36. DS1 DID PBX Trunks

36.1 Business Description

The DS1 DID/PBX Trunk is an unbundled switching product that provides a CLEC the ability to connect a PBX user utilizing the Direct Inward Dialing (DID) functionality to a Qwest DID capable central office.

The following forms will be used between Qwest and the CLEC for DS1 DID/PBX Trunk 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, and/or Line and Listing Activities for DS1 DID/PBX Trunk:

Business Rules for Combining Order, and/or Line and Listing Activities for DS1 DID/PBX Trunk

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 DS1 DID PBX Trunk service or Directory Listing	N, V, D	LSR, EU, PS, DL
	Z	Conversion As Specified, No Directory Listing	Change LSP with change to DS1 DID PBX Trunk 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

LACT	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, 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.

36.2 Business Model

See Appendix H

36.3 Developer Worksheets

See Appendices B and C – Developer Worksheets - Order

36.4 Trading Partner Access Information

ORDERING FUNCTION	PRODUCT ID
DS1 DID/PBX Trunk Request	850UDTR
DS1 DID/PBX Trunk Supplemental	860UDTR
Status Update – Auto Push	855SU
Firm Order Confirmation	855FOC
Firm Order Confirmation for Supplemental	865FOC
Non Fatal Error Response	855NF
Non Fatal Error Response on Supplemental	865NF
Fatal Error Response	855FATAL
Fatal Error Response on Supplemental	865FATAL
Jeopardy	865JEOP
Completion	865COMP

Order Submittal

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

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

36.4.1 OVERVIEW: Qwest Specific Functional Group Envelope - Routing Information

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

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

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

36.4.2 ISA TABLE INFORMATION

ANSI X12 ISA and IEA definitions:

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

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

	SENT TO Qwest	RECEIVED FROM Qwest
ISA01	'00' (No Authorization information present)	'00' (No Authorization information present)
ISA02	Spaces (Authorization information)	Spaces (Authorization information)
ISA03	'00' (No Security information is present)	'00' (No Security information is present)
ISA04	Spaces (Security Information)	Spaces (Security information)
ISA05	Co-Provider TP qualifier	'ZZ' (Mutually Defined)
ISA06	Co-Provider TP ID	'QWESTO' (Note: This Trading partner ID is used only for QWEST order and post-order transactions. The "O" is the unique identifier.)
ISA07	'ZZ' (Mutually Defined)	Co-Provider TP qualifier
ISA08	'QWESTO' (Note: This Trading partner ID is used only for QWEST order and post-order transactions. The "O" is the unique identifier.)	Co-Provider TP ID
ISA09	Date of the interchange. YYMMDD	Date of the interchange. YYMMDD
ISA10	Time of the interchange. HHMM (24 Hour Clock)	Time of the interchange. HHMM (24 Hour Clock)
ISA11	'U' (U.S. EDI Community of ASC X-12, TDCC, and UCS)	'U' (U.S. EDI Community of ASC X-12, TDCC, and UCS)
ISA12	'00402' (Interchange Version ID)	'00402' (Interchange Version ID)
ISA13	Sender's translator assigned sequential control number	Sender's translator assigned sequential control number
ISA14	'0' (No acknowledgment requested)	'0' (No acknowledgment requested)
ISA15	'P' (Production data)	'P' (Production data)
ISA16	'0x1f' (Sub-element Separator)	'0x1f' (Sub-element Separator)

36.4.3 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	<u>Co-Provider TP ID</u>	SEE GS TABLE BELOW
GS03	SEE GS TABLE BELOW	<i>Co-Provider TP ID</i>
GS04	<i>Date of the functional group. CCYYMMDD</i>	<i>Date of the functional group. CCYYMMDD</i>
GS05	<i>Time of the functional group. HHMM (24 hour clock)</i>	<i>Time of the functional group. HHMM (24 hour clock)</i>
GS06	<i>Sender's translator assigned sequential control number</i>	<i>Sender's translator assigned sequential control number</i>
GS07	'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	850UDTR	PO	<i>Co-Provider TP ID</i>	UDTR90
Status Update – Auto Push	Send	855SU	PR	SU90	<i>Co-Provider TP ID</i>
Firm Order Confirmation	Send	855FOC	PR	FOC90	<i>Co-Provider TP ID</i>
Non Fatal Error Response	Send	855NF	PR	NF90	<i>Co-Provider TP ID</i>
Fatal Error Response	Send	855FATAL	PR	FATAL90	<i>Co-Provider TP ID</i>
Jeopardy	Send	865JEOP	CA	JEOP90	<i>Co-Provider TP ID</i>
Completion	Send	865COMP	CA	COMP90	<i>Co-Provider TP ID</i>

Supplemental Order

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

GS Table (Supplemental)

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

ORDERING FUNCTION	Qwest SEND/ RECEIVE	DOCUMENT	GS01 VALUE	GS02 VALUE	GS03 VALUE
Supplemental	Receive	860UDTR	PC	<i>Co-Provider TP ID</i>	UDTR90
Status Update – Auto Push	Send	855SU	PR	SU90	<i>Co-Provider TP ID</i>
Firm Order Confirmation	Send	865FOC	CA	FOC90	<i>Co-Provider TP ID</i>
Non Fatal Error Response	Send	865NF	CA	NF90	<i>Co-Provider TP ID</i>
Fatal Error Response	Send	865FATAL	CA	FATAL90	<i>Co-Provider TP ID</i>
Jeopardy	Send	865JEOP	CA	JEOP90	<i>Co-Provider TP ID</i>
Completion	Send	865COMP	CA	COMP90	<i>Co-Provider TP ID</i>

36.4.4 MAPPING EXAMPLE AND DATA DICTIONARY ITEMS

Purchase Order (PO) Date

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

Time Code

The Developer Worksheet time code fields of every transaction (i.e., D/T SENT) is assumed as follows:

- Transaction set(s) originating from the Co-Provider - time code should be consistent with your time zone.
- Transaction set(s) originating at Qwest - time code is Mountain Time.

4020 Exceptions

Transaction sets 850, 855, 860 and 865 are used with the following exception:

- SLN loop maximum use has been changed to >1

Delimiters

The following delimiters will be used:

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

Qwest Specific Fields

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

Industry Standards Table:

OBF FORM	OBF ISSUE	EDI SOSC ISSUE	X12 STANDARD
End User	LSOG 5 and LSOG 3 (When Applicable)	ELMS 5	004020
Local Service Request	LSOG 5	ELMS 5	004020
Directory Listing	LSOG 5	ELMS 5	004020
Port Services	LSOG 5	ELMS 5	004020
Status Updates			004020
Firm Order Confirmation			004020
Non Fatal Error Response			004020
Fatal Error Response			004020
Jeopardy			004020
Completion			004020

36.5 Mapping Examples

36.5.1 850 UNBUNDLED DS1 DID/PBX TRUNK Service Request (850UDTR) – Version 4020

Legend of Symbols in this transaction example

Symbol/Definition	Example
{ } = Valid Format	{CCYYMMDD}
Bold/Italics = Developer's Worksheet Element	PON
Superscript = Developer's Worksheet Ref # DWS's used in this mapping example: LSR=Local Service Request EU=End User PS=Port Service DL=Directory Listing	LSR-2
<i>Italics</i> = Literal	<i>GOOD</i>
<u>Underline</u> = Apply code conversion, used with Bold/Italics . Code conversion tables can be found in the data dictionary of this disclosure.	<u>ACT</u>
[] = Segment notes for this line	[SI Segment repeats ...]
() = Element notes for this line	(This element states ...)
n	Counter 1...n
* = Element separator in this example and related data dictionary.	= Actual element separator in an EDI transaction.
> = Sub-element separator in this example and related data dictionary.	non-printable characters of "0x1f" = Actual sub-element separator in an EDI transaction.

ST*850*TRAN SET CONTROL #
 BEG*00*SS***PON**^{LSR-2}**PO Date(See Trading Partner Access Information)
 REF*11***AN**^{LSR-7}***AN**
 REF*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**
 REF*OW***ORD**^{PS-6}***ORD**
 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*992****TM***DFDT**{HHMM}^{LSR-19}
 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***PORTYP**^{LSR-38}
 SI*TI*LO***LST**^{LSR-42}
 SI*TI*NC***NC**^{LSR-46}
 SI*TI*NJ***NCJ**^{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-1}
 PER*AG***INT**^{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*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}
 N1*ZE***CPE MFR**^{EU-32}
 REF*MJ***CPE MOD**^{EU-33}

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*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*TS***SGNL**^{PS-48}
 SI*TI*SY***SSIG**^{PS-49}
 PID*X**TI***CFA***^{PS-46}
 REF*IX***LOCNUM**^{PS-8}***LOCNUM**
 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
SI*TI*SA*FA^{PS-58}*SC*FEATURE^{PS-59}
SI*TI*FD*FEATURE DETAIL^{PS-60}

[SLN Loop may repeat per FA/FEATURE pair]

[SI Segment may repeat]

DL Form (Delivery Address/Information Section)

PO1*n*1*EA***ZZ*DA
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}

[PO1 Loop repeats DDQTY^{DL-23} times]

DL Form (Service Details Section)

PO1*n*1*EA***ZZ*DL*SH*RTY^{DL-12}
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^{DL-55}
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*12*DESD^{DL-50a}*DESD

[PO1 Loop may repeat]

IN2*10**TLD*^{DL-51}**TLD*
IN2*01**TITLE1D*^{DL-52}**TITLE1D*
IN2*18**NICK*^{DL-54}
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 #

36.5.2 UDTR 860 SUPP - Specific Fields – Version 4020

The 860UDTR is identical to the 850UDTR except for the following:

ST*860*TRAN SET CONTROL #

BCH*^{LSR-25}**SUP***SS*^{LSR-2}**PON***^{LSR-3}**VER***PO Date (See Trading Partner Access Information)

POC*n*RZ*****ZZ*?? Where?? = "EU_DISC" or "PS" or "EU_SA" or "DA"

POC*n*RZ*****ZZ*??*SH*^{DL-12}**RTY** 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 #

36.6 DATA DICTIONARY

36.6.1 850 Unbundled DS1 DID/PBX Trunk Service Request (850UDTR)

Functional Group ID=**PO**

Introduction:

The 850UDTR Service Request will be used by the Co-Provider to initiate a service request for Unbundled DS1 DID/PBX Trunk to Qwest.

This implementation guideline references the following:

1. LSOG 5, when applicable, 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:

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

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

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Notes and RepeatComments</u>
	LOOP ID - PO1				100000	
M	0100	PO1	Baseline Item Data - 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 - N1				200	
	3500	N1	Name	O	1	
	3900	REF	Reference Identification	O	12	
	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		O	Subline Item Detail		1	
	4800	SI		O	Service Characteristic Identification		>1	
					LOOP ID - N1			10
	5350	N1		O	Name		1	
	5800	REF		O	Reference Identification		12	
					LOOP ID - PO1			100000
M	0100	PO1		M	Baseline Item Data - Port Service Form		1	n3
	0180	SI		O	Service Characteristic Identification		>1	
					LOOP ID - PID			1000
	0500	PID		O	Product/Item Description		1	
	1000	REF		O	Reference Identification		>1	
	2100	DTM		O	Date/Time Reference		10	
					LOOP ID - N1			200
	3500	N1		O	Name		1	
					LOOP ID - N1			200
	3500	N1		O	Name		1	
					LOOP ID - SLN			>1
	4700	SLN		O	Subline Item Detail		1	
	4800	SI		O	Service Characteristic Identification		>1	
					LOOP ID - N1			10
	5350	N1		O	Name		1	
	5800	REF		O	Reference Identification		12	
					LOOP ID - SLN			>1
	4700	SLN		O	Subline Item Detail		1	
	4800	SI		O	Service Characteristic Identification		>1	
					LOOP ID - N1			10
	5350	N1		O	Name		1	
	5800	REF		O	Reference Identification		12	
					LOOP ID - SLN			>1
	4700	SLN		O	Subline Item Detail		1	
	4800	SI		O	Service Characteristic Identification		>1	
					LOOP ID - SLN			>1
	4700	SLN		O	Subline Item Detail		1	
	4800	SI		O	Service Characteristic Identification		>1	
					LOOP ID - PO1			100000
M	0100	PO1		M	Baseline Item Data - DL Form (Delivery Address/Information Section)		1	n4
	0180	SI		O	Service Characteristic Identification		>1	
					LOOP ID - QTY			>1
	2930	QTY		O	Quantity		1	
					LOOP ID - QTY			>1
	2930	QTY		O	Quantity		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 n5
	0180	SI	Service Characteristic Identification	O	>1
		LOOP ID - PID			1000
	0500	PID	Product/Item Description	O	1
	1000	REF	Reference Identification	O	>1
		LOOP ID - 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 n6

Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Notes and RepeatComments</u>
			LOOP ID - CTT			1
	0100	CTT	Transaction Totals	O	1	n7
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. The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

Segment: **ST** Transaction Set Header

Position: 0100

Loop:

Level: Heading

Usage: Mandatory

Max Use: 1

Purpose: To indicate the start of a transaction set and to assign a control number

Syntax Notes:

Semantic Notes:

- 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
- 2 The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition.

Comments:

Notes: ST*850*TRAN SET CONTROL #

Data Element Summary

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

Segment: **BEG** Beginning Segment for Purchase Order
Position: 0200
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates

Syntax Notes:
Semantic Notes: 1 BEG05 is the date assigned by the purchaser to purchase order.

Comments:
Notes: BEG*00*SS*PON(LSR-2)**PO Date (See Trading Partner Access Information)

Data Element Summary

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

Segment: **REF** Reference Identification

Position: 0500

Loop:

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To specify identifying information

- Syntax Notes:**
- 1 At least one of REF02 or REF03 is required.
 - 2 If either C04003 or C04004 is present, then the other is required.
 - 3 If either C04005 or C04006 is present, then the other is required.
- Semantic Notes:**
- 1 REF04 contains data relating to the value cited in REF02.

Comments:

Notes:

```
REF*11*AN(LSR-7)*AN
REF*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
REF*OW*ORD(PS-6)*ORD
```

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3
			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	
			OW Service Order Number Number assigned when a customer orders service and equipment and which appears on bill	
			SU Special Processing Code Unique code identifying the special handling requirements for the claim	
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
			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		
		ORD (PS-6) = Order Number		
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"		
		"ORD"		

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*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

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>		
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		
			T5 Total Number of Units		
PAM02	380	Quantity		X	R 1/15
			Numeric value of 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.	Data	Element	Name	
<u>Des.</u>				
<u>Attributes</u>				
M	SAC01	248	Allowance or Charge Indicator	M ID 1/1
			Code which indicates an allowance or charge for the service specified	

		N	No Allowance or Charge		
SAC03	559	Agency Qualifier Code		X	ID 2/2
			Code identifying the agency assigning the code values		
		TI	Telecommunications Industry		
SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code		X	AN 1/10
			Agency maintained code identifying the service, promotion, allowance, or charge		
		EXP	Expedited Service Charge		

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*992***TM*DFDT{HHMM}{LSR-19}
DTM*270*DATED{CCYYMMDD}{LSR-36}
```

Data Element Summary

Ref.	Data Element	Name		
M	<u>DTM01</u>	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		
		992 Date Requested		
	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		
		DFDT{HHMM} (LSR-19) = Desired Frame Due 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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
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 Service 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-Conv. As Specified)		
			Z=(DWS : Z-Conversion As Spec/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

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	PID01	349	Item Description Type Code indicating the format of a description S Structured (From Industry Code List)	M	ID 1/1
	PID03	559	Agency Qualifier Code Code identifying the agency assigning the code values TI Telecommunications Industry	X	ID 2/2
	PID04	751	Product Description Code 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	X	AN 1/12

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	
		CONVIND (LSR-24a) = Conversion Indicator	
		Y=(DWS : F-Full)	
		N=(DWS : P-Partial)	
		FBI (EU-42) = Final Bill Information Indicator	
		N=(DWS : E-Existing (Default))	
		Y=(DWS : D-Different)	
		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.	Data Element	Name		
M	<u>Attributes</u> 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 NO 1/2
			The number of copies of a report that should be sent to the addressee 1 Always One	
	PWK04	98	Entity Identifier Code	O ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual DG Design Engineering Identifies the design engineer or office of the design engineer who will receive design specifications	
	PWK05	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67) 91 Assigned by Seller or Seller's Agent	
	PWK06	67	Identification Code	X AN 2/80
			Code identifying a party or other code DRC (LSR-98) = Design Routing Code	

Segment: **N9 Reference Identification**

Position: 2950

Loop: N9 Optional

Level: Heading

Usage: Optional

Max Use: 1

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

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

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

Comments:

Notes: N9*H7*ORI*EU****2W>MANUAL IND(EU-63a)

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification H7 Standard Clause	M	ID 2/3
	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ORI Order Instructions	X	AN 1/30
	N903	369	Free-form Description Free-form descriptive text	X	AN 1/45
	N907	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O	
M	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification 2W Change Order Authority	M	ID 2/3
M	C04002	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier MANUAL IND (EU-63a) = Manual Indicator	M	AN 1/30

Segment: **MTX** Text
Position: 3000
Loop: N9 Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify textual data
Syntax Notes:

- 1 If MTX01 is present, then MTX02 is required.
- 2 If MTX03 is present, then MTX02 is required.
- 3 If MTX05 is present, then MTX04 is required.

Semantic Notes:

- 1 MTX05 is the number of lines to advance before printing.

Comments:

- 1 If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.

Notes: MTX**REMARKS(EU-63)

Data Element Summary

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

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

Segment: **MTX** Text
Position: 3000
Loop: N9 Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify textual data
Syntax Notes:

- 1 If MTX01 is present, then MTX02 is required.
- 2 If MTX03 is present, then MTX02 is required.
- 3 If MTX05 is present, then MTX04 is required.

Semantic Notes:

- 1 MTX05 is the number of lines to advance before printing.

Comments:

- 1 If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.

Notes: MTX**REMARKS(LSR-108)

Data Element Summary

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

Segment: **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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification H7 Standard Clause	M	ID 2/3
	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ORI Order Instructions	X	AN 1/30
	N903	369	Free-form Description Free-form descriptive text "PORT"	X	AN 1/45
	N907	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O	
M	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification 2W Change Order Authority	M	ID 2/3
M	C04002	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier MANUAL IND (PS-61a) = Manual Indicator	M	AN 1/30

Segment: **MTX** Text
Position: 3000
Loop: N9 Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify textual data
Syntax Notes:

- 1 If MTX01 is present, then MTX02 is required.
- 2 If MTX03 is present, then MTX02 is required.
- 3 If MTX05 is present, then MTX04 is required.

Semantic Notes:

- 1 MTX05 is the number of lines to advance before printing.

Comments:

- 1 If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.

Notes: MTX**REMARKS(PS-61)

Data Element Summary

<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
MTX02	1551	Message Text	X	AN 1/4096
		To transmit large volumes of message text		
		REMARKS (PS-61) = Remarks		

Segment: **N1** Name
Position: 3100
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:

- 1 At least one of N102 or N103 is required.
- 2 If either N103 or N104 is present, then the other is required.

Semantic Notes:
Comments:

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

Notes: N1*78*CCNA(LSR-1)

Data Element Summary

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

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
M	NX201	1106	Address Component Qualifier Code qualifying the type of address component 91 Additional Point of Termination (APOT)	M	ID 2/2
M	NX202	166	Address Information Address information APOT (LSR-41) = Additional Point of Termination	M	AN 1/55

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.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
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
			FAX NO (LSR-84) = Facsimile Number
			PAGER (LSR-93) = Pager Number
	PER07	365	Communication Number Qualifier X ID 2/2
			Code identifying the type of communication number
		EM	Electronic Mail

PER08	364	Communication Number	X	AN 1/256
		Complete communications number including country or area code when applicable		
		EMAIL (LSR-83) = Electronic Mail Address		

Segment: **N1** Name
Position: 3100
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:

- 1 At least one of N102 or N103 is required.
- 2 If either N103 or N104 is present, then the other is required.

Semantic Notes:
Comments:

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

Notes: N1*AN*AUTHNM(LSR-37)

Data Element Summary

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

Segment: **N1** Name
Position: 3100
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:

- 1 At least one of N102 or N103 is required.
- 2 If either N103 or N104 is present, then the other is required.

Semantic Notes:
Comments:

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

Notes: N1*DG*DSGCON(LSR-97)

Data Element Summary

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

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

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

Semantic Notes:
Comments:

Notes: PER*DE**FX*FAX NO(LSR-100)

Data Element Summary

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

Segment: **N1** Name
Position: 3100
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:

- 1 At least one of N102 or N103 is required.
- 2 If either N103 or N104 is present, then the other is required.

Semantic Notes:
Comments:

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

Notes: N1*X1*BILLNM(EU-43)

Data Element Summary

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

	<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
M	N201	93	Name Free-form name SBILLNM (EU-44) = Secondary Billing Name	M	AN 1/60

Segment: **N4 Geographic Location**

Position: 3400

Loop: N1 Optional

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To specify the geographic place of the named party

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

Semantic Notes:

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

Notes: N4**STATE(EU-49)*ZIP(EU-50)

Data Element Summary

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	
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) = Street 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.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
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 characteristic qualifiers.

Notes: SI*TI*AF*AFT (EU-44a)

Data Element Summary

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

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	PID01	349	Item Description Type	M	ID 1/1
			Code indicating the format of a description		
			S Structured (From Industry Code List)		
	PID03	559	Agency Qualifier Code	X	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
	PID04	751	Product Description Code	X	AN 1/12
			A code from an industry code list which provides specific data about a product characteristic		
		ANV Address Not Valid Indicator			
PID07	822	Source Subqualifier	O	AN 1/15	
		A reference that indicates the table or text maintained by the Source Qualifier			
		SO-RSQ Service Order - Reseller Questions list			
PID08	1073	Yes/No Condition or Response Code	O	ID 1/1	
		Code indicating a Yes or No condition or response			
		ANV (EU-8a) = Address Not Validated Indicator			

Segment: **REF** Reference Identification
Position: 1000
Loop: PO1 Mandatory
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 REF04 contains data relating to the value cited in REF02.

Comments:
Notes: REF*IX*LOCNUM(EU-7)*LOCNUM

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification IX Item Number	M	ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier LOCNUM (EU-7) = Location Number	X	AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content "LOCNUM"	X	AN 1/80

Segment: **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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual IT Installation on Site	M	ID 2/3
	N102	93	Name Free-form name NAME (EU-8) = End User Name	X	AN 1/60

Segment: **N4 Geographic Location**

Position: 3800

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify the geographic place of the named party

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

Semantic Notes:

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

Notes: N4**STATE(EU-25)*ZIP(EU-26)**RJ*CALA(EU-26a)

Data Element Summary

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

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	
	<u>Des.</u>	<u>Element</u>		
M	Attributes NX201	1106	Address Component Qualifier Code qualifying the type of address component	M ID 2/2
			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 Number
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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	SI01	559	Agency Qualifier Code Code identifying the agency assigning the code values TI Telecommunications Industry	M	ID 2/2
M	SI02	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics AF Address Format Type	M	AN 2/2
M	SI03	234	Product/Service ID Identifying number for a product or service AFT (EU-9) = Address Format Type	M	AN 1/48

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*ZE*CPE MFR(EU-32)

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N101	98	Entity Identifier Code	M	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
			ZE		End Item Manufacturer
					Manufacturer of the end item associated with the required material
	N102	93	Name	X	AN 1/60
			Free-form name		
			CPE MFR (EU-32) = Customer Premises Equipment Manufacturer		

Segment: **REF** Reference Identification

Position: 3900

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*MJ*CPE MOD(EU-33)

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>		
	<u>Des.</u>	<u>Element</u>			
M	<u>Attributes</u> REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification MJ Model Number	M	ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier CPE MOD (EU-33) = Customer Premises Equipment Model Number	X	AN 1/30

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

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

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

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification IX Item Number	M	ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier DNUM (EU-54) = Disconnect Line Number	X	AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content "DNUM"	X	AN 1/80

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

	<u>Ref.</u>	<u>Data</u>		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	<u>DTM01</u>	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 376 Delivery End The date that deliveries will end	M ID 3/3
	<u>DTM02</u>	373	Date Date expressed as CCYYMMDD	X DT 8/8
			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

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

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	M	ID 2/3
			TT Transfer To		
	N102	93	Name Free-form name	X	AN 1/60
			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

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>		
	<u>Des.</u>	<u>Element</u>			
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 55 Sequence Number	M	ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier TCID (EU-58a) = Transfer of Calls to Identifier	X	AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content "PRI"	X	AN 1/80

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

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

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	M	ID 2/3
			TT Transfer To		
	N102	93	Name Free-form name	X	AN 1/60
			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

	<u>Ref.</u>	<u>Data</u>		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	<u>Attributes</u> REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 55 Sequence Number	M ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier TCID (EU-60) = Transfer of Calls to Identifier	X AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content "SEC"	X AN 1/80

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

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
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*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*TS*SGNL(PS-48)
 SI*TI*SY*SSIG(PS-49)

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
					<u>Attributes</u>
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		
			OT Out Telephone Number		
			SA Service Activity		
			SY Start Signaling		
			T6 Transfer of Calls Options		
			TN Telephone Number		
			TS Type of Signaling		
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
			LNA (PS-12) = Line Activity		
			CT=(DWS: X-TN Change)		
			C=(DWS: C-Change)		

A=(DWS: N-New)
D=(DWS: D-Disconnect)
V=(DWS: V-Conversion As Specified)
P=(DWS: P-PIC Change)

TNS (PS-16) = Telephone Numbers
OTN (PS-20) = Out Telephone Number
CKR (PS-29) = Customer Circuit Reference
ECCKT (PS-32) = Exchange Company Circuit ID
TC OPT (PS-33) = Transfer of Call Options
SGNL (PS-48) = Signaling
SSIG (PS-49) = Start Signaling

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
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: 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(PS-8)*LOCNUM
REF*IX*LNUM(PS-9)*LNUM
REF*GP*TSP(PS-27)
REF*AE*SAN(PS-28)

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification AE Authorization for Expense (AFE) Number GP Government Priority Number IX Item Number	M	ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier LOCNUM (PS-8) = Location Number LNUM (PS-9) = Line Number TSP (PS-27) = Telecommunications Service Priority SAN (PS-28) = Subscriber Authorization Number	X	AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content "LOCNUM" "LNUM"	X	AN 1/80

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

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>		
	<u>Des.</u>	<u>Element</u>			
	<u>Attributes</u>				
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.	Data	Element	Name		
<u>Des.</u>					
M	<u>Attributes</u>	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.	Data Element	Name		
M	<u>N101</u>	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual 8V Primary Intra-LATA (Local Access Transport Area) Carrier	M	ID 2/3
	N103	66	Identification Code Qualifier 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	X	ID 1/2
	N104	67	Identification Code Code identifying a party or other code LPIC (PS-23) = IntraLATA Pre-subscription Indicator Code	X	AN 2/80

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

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	SI01	559	Agency Qualifier Code Code identifying the agency assigning the code values TI Telecommunications Industry	M	ID 2/2
M	SI02	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics TC Transfer Announcement Number	M	AN 2/2
M	SI03	234	Product/Service ID Identifying number for a product or service TC TO PRI (PS-34) = Transfer of Calls to Primary Number	M	AN 1/48

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	M	ID 2/3
			TT Transfer To		
	N102	93	Name Free-form name	X	AN 1/60
			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

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>		
	<u>Des.</u>	<u>Element</u>			
M	<u>Attributes</u>				
	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 55 Sequence Number	M	ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier TCID (PS-34a) = Transfer of Calls to Identifier	X	AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content "PRI"	X	AN 1/80

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

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

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	M	ID 2/3
			TT Transfer To		
	N102	93	Name Free-form name	X	AN 1/60
			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

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>		
	<u>Des.</u>	<u>Element</u>			
M	<u>Attributes</u>				
	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 55 Sequence Number	M	ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier TCID (PS-36) = Transfer of Calls to Identifier	X	AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content "SEC"	X	AN 1/80

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

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
	Attributes				
M	SI01	559	Agency Qualifier Code Code identifying the agency assigning the code values TI Telecommunications Industry	M	ID 2/2
M	SI02	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics BB Blocking Activity	M	AN 2/2
M	SI03	234	Product/Service ID Identifying number for a product or service BA (PS-52) = Blocking Activity	M	AN 1/48
	SI04	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics TB Blocking/Billing Exception	X	AN 2/2
	SI05	234	Product/Service ID Identifying number for a product or service BLOCK (PS-53) = Block	X	AN 1/48

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

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
	Attributes				
M	SI01	559	Agency Qualifier Code Code identifying the agency assigning the code values TI Telecommunications Industry	M	ID 2/2
M	SI02	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics FD Feature Detail SA Service Activity	M	AN 2/2
M	SI03	234	Product/Service ID Identifying number for a product or service FA (PS-58) = Feature Activity A = (DWS: N- Add) CF = (DWS: C-Change Feature Detail) D = (DWS: D-Disconnect) V = (DWS: V-Conversion As Specified) CT = (DWS: T-Change (new line))	M	AN 1/48
	SI04	1000	FEATURE DETAIL (PS-60) = Feature Detail Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics SC Service Category	X	AN 2/2
	SI05	234	Product/Service ID Identifying number for a product or service FEATURE (PS-59) = Feature Codes	X	AN 1/48

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

Data Element Summary

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

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 characteristic qualifiers.

Notes: SI*TI*AD*DACT(DL-81)

Data Element Summary

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

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
M	QTY01	673	Quantity Qualifier Code specifying the type of quantity 31 Additional Demand Quantity	M	ID 2/2
	QTY02	380	Quantity Numeric value of quantity DIRQTYA (DL-103) = Number of Directories for Annual Delivery	X	R 1/15
	QTY03	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	O	
M	C00101	355	Unit or Basis for Measurement Code 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	M	ID 2/2

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	QTY01	673	Quantity Qualifier Code specifying the type of quantity 38 Original Quantity	M	ID 2/2
	QTY02	380	Quantity Numeric value of quantity DIRQTYNC (DL-104) = Number of Directories Delivered on New Connect	X	R 1/15
	QTY03	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	O	
M	C00101	355	Unit or Basis for Measurement Code 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	M	ID 2/2

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	M	ID 2/3
			DA Delivery Address		
	N102	93	Name Free-form name	X	AN 1/60
			"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

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>		
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: 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

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	
	<u>Des.</u>	<u>Element</u>		
M	<u>Attributes</u> NX201	1106	Address Component Qualifier 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 ID 2/2
M	NX202	166	Address Information Address information DDANO (DL-85) = Delivery Address 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	M AN 1/55

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

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	PID01	349	Item Description Type Code indicating the format of a description S Structured (From Industry Code List)	M	ID 1/1
	PID03	559	Agency Qualifier Code Code identifying the agency assigning the code values TI Telecommunications Industry	X	ID 2/2
	PID04	751	Product Description Code 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	X	AN 1/12

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=(DWS: Blank-Do Not Omit)

LNPL (DL-44) = Letter Name Placement

Y=(DWS: L-Letter Placement)

Blank=(DWS: Blank-Default to Word Placement)

ADI (DL-61) = Address Indicator

Y=(DWS: O-Omit in DA and Directory)

Blank=(DWS: Blank-Do Not Omit)

DML (DL-25) = Direct Mail List

Y=(DWS: O-Omit)

Blank=(DWS: Blank-Do Not Omit)

TMKT (DL-27) = Telemarketing

Y=(DWS: O-Omit From Telemarketing)

Blank=(DWS: Blank-Do Not Omit)

NOSL (DL-26) = No Solicitation Indicator

PROF (DL-32) = Professional 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*LI*ALI(DL-11)

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>		
	<u>Des.</u>	<u>Element</u>			
M	<u>Attributes</u> REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification LI Line Item Identifier (Seller's)	M	ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ALI (DL-11) = Alpha/Numeric Listing Identifier Code	X	AN 1/30

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

	<u>Ref. Des. Attributes</u>	<u>Data Element</u>	<u>Name</u>		
M	N901	128	Reference Identification Qualifier 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	M	ID 2/3
	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier "PLA"	X	AN 1/30

Segment: **MTX** Text
Position: 3400
Loop: N9 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify textual data
Syntax Notes:

- 1 If MTX01 is present, then MTX02 is required.
- 2 If MTX03 is present, then MTX02 is required.
- 3 If MTX05 is present, then MTX04 is required.

Semantic Notes:

- 1 MTX05 is the number of lines to advance before printing.

Comments:

- 1 If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.

Notes: MTX**PLA(DL-55)

Data Element Summary

<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
MTX02	1551	Message Text	X	AN 1/4096
		To transmit large volumes of message text		
		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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N901	128	Reference Identification Qualifier 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	M	ID 2/3
	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier "LTXTY"	X	AN 1/30
	N903	369	Free-form Description Free-form descriptive text LTXTY (DL-57) = Listing Text Type	X	AN 1/45

Segment: **MTX** Text
Position: 3400
Loop: N9 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify textual data
Syntax Notes:

- 1 If MTX01 is present, then MTX02 is required.
- 2 If MTX03 is present, then MTX02 is required.
- 3 If MTX05 is present, then MTX04 is required.

Semantic Notes:

- 1 MTX05 is the number of lines to advance before printing.

Comments:

- 1 If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.

Notes: MTX** LTEXT(DL-59)

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>		
<u>Attributes</u>					
MTX02	1551	Message Text		X	AN 1/4096
		To transmit large volumes of message text			
		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

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

Segment: **MTX** Text
Position: 3400
Loop: N9 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify textual data
Syntax Notes:

- 1 If MTX01 is present, then MTX02 is required.
- 2 If MTX03 is present, then MTX02 is required.
- 3 If MTX05 is present, then MTX04 is required.

Semantic Notes:

- 1 MTX05 is the number of lines to advance before printing.

Comments:

- 1 If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.

Notes: MTX**REMARKS(DL-113)

Data Element Summary

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual DH Doing Business As	M	ID 2/3
	N102	93	Name Free-form name "LISTINGS"	X	AN 1/60

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*12*DESD(DL-50a)*DESD
IN2*10*TLD(DL-51)*TLD
IN2*01*TITLE1D(DL-52)*TITLE1D
IN2*18*NICK(DL-54)
```

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	
M	IN201	1104	Name Component Qualifier 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 ID 2/2
M	IN202	93	Name 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 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 NICK (DL-54) = Nickname	M AN 1/60
	IN203	93	Name Free-form name LNFN (DL-46) = Listed Name First "TL" "TITLE1" "DESD" "TLD" "TITLE1D"	O AN 1/60

Segment: **N4 Geographic Location**

Position: 3800

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify the geographic place of the named party

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

Semantic Notes:

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

Notes: N4**LAST(DL-71)

Data Element Summary

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

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
M	<u>Des.</u> NX201		1106	Address Component Qualifier Code qualifying the type of address component	M ID 2/2
				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 Address information	M AN 1/55
				LANO (DL-63) = Listed Address Number	
				LASN (DL-66) = Listed Address Street Name	
				LASD (DL-65) = Listed Address Street Directional Prefix	
				LALOC (DL-70) = Listed Address Locality	
				LALO (DL-69) = Listed Address Location	
				LASS (DL-68) = Listed Address Street Directional Suffix	
				LAPR (DL-62) = Listed Address Number Prefix	
				LASF (DL-64) = Listed Address Number Suffix	
				LATH (DL-67) = Listed Address Street Type	

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

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

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

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

Segment: **SE** Transaction Set Trailer
Position: 0300
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Syntax Notes:

Semantic Notes:

Comments: 1 SE is the last segment of each transaction set.

Notes: SE*Number of Segments*TRAN SET CONTROL #

Data Element Summary

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

36.6.2 860 Unbundled DS1 DID/PBX Trunk Supplemental Service Request (860UDTR)

Functional Group ID=**PC**

Introduction:

The 860UDTR will be used by the Co-Provider to change or cancel an 850UDTR service request to Qwest.

This implementation guideline references the following:

1. LSOG 5, when applicable, 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:

<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop</u>	<u>Notes and RepeatComments</u>
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	
	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	
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:

<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Notes and RepeatComments</u>
LOOP ID - POC					>1
0100	POC	Line Item Change - 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 - N1					200
3400	N1	Name	O	1	
3800	REF	Reference Identification	O	12	
LOOP ID - POC					>1
0100	POC	Line Item Change - End User Form (Disconnect Information Section)	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 Form	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 - DL Form (Delivery Address/Information 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:

<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Notes and RepeatComments</u>
LOOP ID - CTT					1
0100	CTT	Transaction Totals	O	1	n1
M	0300	SE	Transaction Set Trailer	M	1

Transaction Set Notes

1. Number of line items (CTT01) is the accumulation of the number of POC segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (POC03) for each POC segment.

Segment: **ST** Transaction Set Header

Position: 0100

Loop:

Level: Heading

Usage: Mandatory

Max Use: 1

Purpose: To indicate the start of a transaction set and to assign a control number

Syntax Notes:

Semantic Notes:

- 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
- 2 The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition.

Comments:

Notes: ST*860*TRAN SET CONTROL #

Data Element Summary

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

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

Segment: **REF** Reference Identification

Position: 0500

Loop:

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To specify identifying information

- Syntax Notes:**
- 1 At least one of REF02 or REF03 is required.
 - 2 If either C04003 or C04004 is present, then the other is required.
 - 3 If either C04005 or C04006 is present, then the other is required.
- Semantic Notes:**
- 1 REF04 contains data relating to the value cited in REF02.

Comments:

Notes:

```
REF*11*AN(LSR-7)*AN
REF*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
REF*OW*ORD(PS-6)*ORD
```

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3
			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	
			OW Service Order Number Number assigned when a customer orders service and equipment and which appears on bill	
			SU Special Processing Code Unique code identifying the special handling requirements for the claim	
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
			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	
		ORD (PS-6) = Order Number	
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"	
		"ORD"	

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*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

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>		
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		
			T5 Total Number of Units		
PAM02	380	Quantity		X	R 1/15
			Numeric value of 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.	Data	Element	Name	
<u>Des.</u>				
<u>Attributes</u>				
M	SAC01	248	Allowance or Charge Indicator	M ID 1/1
			Code which indicates an allowance or charge for the service specified	

		N	No Allowance or Charge		
SAC03	559	Agency Qualifier Code		X	ID 2/2
			Code identifying the agency assigning the code values		
		TI	Telecommunications Industry		
SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code		X	AN 1/10
			Agency maintained code identifying the service, promotion, allowance, or charge		
		EXP	Expedited Service Charge		

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*992***TM*DFDT{HHMM}{LSR-19}
 DTM*270*DATED{CCYYMMDD}{LSR-36}

Data Element Summary

Ref.	Data Element	Name		
M	<u>DTM01</u>	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		
		992 Date Requested		
	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		
		DFDT{HHMM} (LSR-19) = Desired Frame Due 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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
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 Service 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-Conv. As Specified)		
			Z=(DWS : Z-Conversion As Spec/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

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	PID01	349	Item Description Type Code indicating the format of a description S Structured (From Industry Code List)	M	ID 1/1
	PID03	559	Agency Qualifier Code Code identifying the agency assigning the code values TI Telecommunications Industry	X	ID 2/2
	PID04	751	Product Description Code 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	X	AN 1/12

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 CONVIND (LSR-24a) = Conversion Indicator Y=(DWS : F-Full) N=(DWS : P-Partial) FBI (EU-42) = Final Bill Information Indicator N=(DWS : E-Existing (Default)) Y=(DWS : D-Different) 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.	Data Element	Name		
M	<u>Attributes</u> PWK01	755	Report Type Code Code indicating the title or contents of a document, report or supporting item DW Drawing(s)	M ID 2/2
	PWK02	756	Report Transmission Code 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	O ID 1/2
	PWK03	757	Report Copies Needed The number of copies of a report that should be sent to the addressee 1 Always One	O NO 1/2
	PWK04	98	Entity Identifier Code 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	O ID 2/3
	PWK05	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 91 Assigned by Seller or Seller's Agent	X ID 1/2
	PWK06	67	Identification Code Code identifying a party or other code DRC (LSR-98) = Design Routing Code	X AN 2/80

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification H7 Standard Clause	M	ID 2/3
	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ORI Order Instructions	X	AN 1/30
	N903	369	Free-form Description Free-form descriptive text	X	AN 1/45
	N907	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O	
M	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification 2W Change Order Authority	M	ID 2/3
M	C04002	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier MANUAL IND (EU-63a) = Manual Indicator	M	AN 1/30

Segment: **MTX** Text
Position: 2900
Loop: N9 Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify textual data
Syntax Notes:

- 1 If MTX01 is present, then MTX02 is required.
- 2 If MTX03 is present, then MTX02 is required.
- 3 If MTX05 is present, then MTX04 is required.

Semantic Notes:

- 1 MTX05 is the number of lines to advance before printing.

Comments:

- 1 If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.

Notes: MTX**REMARKS(EU-63)

Data Element Summary

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

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

Segment: **MTX** Text
Position: 2900
Loop: N9 Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify textual data
Syntax Notes:

- 1 If MTX01 is present, then MTX02 is required.
- 2 If MTX03 is present, then MTX02 is required.
- 3 If MTX05 is present, then MTX04 is required.

Semantic Notes:

- 1 MTX05 is the number of lines to advance before printing.

Comments:

- 1 If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.

Notes: MTX**REMARKS(LSR-108)

Data Element Summary

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

Segment: **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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification H7 Standard Clause	M	ID 2/3
	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ORI Order Instructions	X	AN 1/30
	N903	369	Free-form Description Free-form descriptive text "PORT"	X	AN 1/45
	N907	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O	
M	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification 2W Change Order Authority	M	ID 2/3
M	C04002	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier MANUAL IND (PS-61a) = Manual Indicator	M	AN 1/30

Segment: **MTX** Text
Position: 2900
Loop: N9 Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify textual data
Syntax Notes:

- 1 If MTX01 is present, then MTX02 is required.
- 2 If MTX03 is present, then MTX02 is required.
- 3 If MTX05 is present, then MTX04 is required.

Semantic Notes:

- 1 MTX05 is the number of lines to advance before printing.

Comments:

- 1 If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.

Notes: MTX**REMARKS(PS-61)

Data Element Summary

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

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

	<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
M	NX201	1106	Address Component Qualifier Code qualifying the type of address component 91 Additional Point of Termination (APOT)	M	ID 2/2
M	NX202	166	Address Information Address information APOT (LSR-41) = Additional Point of Termination	M	AN 1/55

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.	Data Element	Name		
M	<u>Attributes</u> 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		
		FAX NO (LSR-84) = Facsimile Number		
		PAGER (LSR-93) = Pager Number		
	PER07	365 Communication Number Qualifier	X	ID 2/2
		Code identifying the type of communication number		
		EM Electronic Mail		

PER08 **364** **Communication Number** **X** **AN 1/256**
Complete communications number including country or area code when applicable
EMAIL (LSR-83) = Electronic Mail Address

Segment: **N1** Name
Position: 3000
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:

- 1 At least one of N102 or N103 is required.
- 2 If either N103 or N104 is present, then the other is required.

Semantic Notes:
Comments:

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

Notes: N1*AN*AUTHNM(LSR-37)

Data Element Summary

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

Segment: **N1** Name
Position: 3000
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:

- 1 At least one of N102 or N103 is required.
- 2 If either N103 or N104 is present, then the other is required.

Semantic Notes:
Comments:

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

Notes: N1*DG*DSGCON(LSR-97)

Data Element Summary

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

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

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

Semantic Notes:
Comments:

Notes: PER*DE**FX*FAX NO(LSR-100)

Data Element Summary

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

Segment: **N1** Name
Position: 3000
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:

- 1 At least one of N102 or N103 is required.
- 2 If either N103 or N104 is present, then the other is required.

Semantic Notes:
Comments:

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

Notes: N1*X1*BILLNM(EU-43)

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N101	98	Entity Identifier Code 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	M	ID 2/3
	N102	93	Name Free-form name BILLNM (EU-43) = Bill Name	X	AN 1/60

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

	<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
M	N201	93	Name Free-form name SBILLNM (EU-44) = Secondary Billing Name	M	AN 1/60

Segment: **N4 Geographic Location**

Position: 3300

Loop: N1 Optional

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To specify the geographic place of the named party

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

Semantic Notes:

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

Notes: N4**STATE(EU-49)*ZIP(EU-50)

Data Element Summary

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	
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) = Street 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.	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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	SI01	559	Agency Qualifier Code Code identifying the agency assigning the code values TI Telecommunications Industry	M	ID 2/2
M	SI02	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics AF Address Format Type	M	AN 2/2
M	SI03	234	Product/Service ID Identifying number for a product or service AFT (EU-44a) = Address Format Type	M	AN 1/48

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	PID01	349	Item Description Type	M	ID 1/1
			Code indicating the format of a description		
			S Structured (From Industry Code List)		
	PID03	559	Agency Qualifier Code	X	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
	PID04	751	Product Description Code	X	AN 1/12
			A code from an industry code list which provides specific data about a product characteristic		
		ANV Address Not Valid Indicator			
PID07	822	Source Subqualifier	O	AN 1/15	
		A reference that indicates the table or text maintained by the Source Qualifier			
		SO-RSQ Service Order - Reseller Questions list			
PID08	1073	Yes/No Condition or Response Code	O	ID 1/1	
		Code indicating a Yes or No condition or response			
		ANV (EU-8a) = Address Not Validated Indicator			

Segment: **REF** Reference Identification

Position: 1000

Loop: POC Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify identifying information

- Syntax Notes:**
- 1 At least one of REF02 or REF03 is required.
 - 2 If either C04003 or C04004 is present, then the other is required.
 - 3 If either C04005 or C04006 is present, then the other is required.
- Semantic Notes:**
- 1 REF04 contains data relating to the value cited in REF02.

Comments:

Notes: REF*IX*LOCNUM(EU-7)*LOCNUM

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>		
	<u>Des.</u>	<u>Element</u>			
M	<u>Attributes</u> REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification IX Item Number	M	ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier LOCNUM (EU-7) = Location Number	X	AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content "LOCNUM"	X	AN 1/80

Segment: **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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual IT Installation on Site	M	ID 2/3
	N102	93	Name Free-form name NAME (EU-8) = End User Name	X	AN 1/60

Segment: **N4 Geographic Location**

Position: 3700

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify the geographic place of the named party

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

Semantic Notes:

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

Notes: N4**STATE(EU-25)*ZIP(EU-26)**RJ*CALA(EU-26a)

Data Element Summary

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

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	
	<u>Des.</u>	<u>Element</u>		
M	Attributes NX201	1106	Address Component Qualifier Code qualifying the type of address component	M ID 2/2
			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 Number
 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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
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: **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*ZE*CPE MFR(EU-32)

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N101	98	Entity Identifier Code	M	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
			ZE		End Item Manufacturer
					Manufacturer of the end item associated with the required material
	N102	93	Name	X	AN 1/60
			Free-form name		
			CPE MFR (EU-32) = Customer Premises Equipment Manufacturer		

Segment: **REF** Reference Identification

Position: 3800

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*MJ*CPE MOD(EU-33)

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>		
	<u>Des.</u>	<u>Element</u>			
M	<u>Attributes</u> REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification MJ Model Number	M	ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier CPE MOD (EU-33) = Customer Premises Equipment Model Number	X	AN 1/30

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

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

Purpose: To specify changes to a line item

Syntax Notes:

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

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

Comments:

Notes: POC*n*RZ*****ZZ*EU_DISC [POC Loop may repeat]

Data Element Summary

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
	Attributes				
M	SI01	559	Agency Qualifier Code Code identifying the agency assigning the code values TI Telecommunications Industry	M	ID 2/2
M	SI02	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics ND Disconnect Number T6 Transfer of Call Options	M	AN 2/2
M	SI03	234	Product/Service ID Identifying number for a product or service DISC NBR (EU-55) = Disconnect Telephone Number TC OPT (EU-57) = Transfer of Call Options	M	AN 1/48

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*DNUM(EU-54)*DNUM

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>		
	<u>Des.</u>	<u>Element</u>			
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification IX Item Number	M	ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier DNUM (EU-54) = Disconnect Line Number	X	AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content "DNUM"	X	AN 1/80

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

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

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	SI01	559	Agency Qualifier Code Code identifying the agency assigning the code values TI Telecommunications Industry	M	ID 2/2
M	SI02	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics TC Transfer Announcement Number	M	AN 2/2
M	SI03	234	Product/Service ID Identifying number for a product or service TC TO PRI (EU-58) = Transfer of Calls to Primary Number	M	AN 1/48

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual TT Transfer To	M	ID 2/3
	N102	93	Name Free-form name TC NAME (EU-58b) = Transfer of Calls to Name	X	AN 1/60

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

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>		
	<u>Des.</u>	<u>Element</u>			
M	<u>Attributes</u>				
	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 55 Sequence Number	M	ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier TCID (EU-58a) = Transfer of Calls to Identifier	X	AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content "PRI"	X	AN 1/80

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

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	SI01	559	Agency Qualifier Code Code identifying the agency assigning the code values TI Telecommunications Industry	M	ID 2/2
M	SI02	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics TC Transfer Announcement Number	M	AN 2/2
M	SI03	234	Product/Service ID Identifying number for a product or service TC TO SEC (EU-59) = Transfer of Calls to Secondary Number	M	AN 1/48

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	M	ID 2/3
			TT Transfer To		
	N102	93	Name Free-form name	X	AN 1/60
			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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 55 Sequence Number	M	ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier TCID (EU-60) = Transfer of Calls to Identifier	X	AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content "SEC"	X	AN 1/80

Segment: **POC** Line Item Change - Port Service Form

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.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
<u>Attributes</u>			
	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*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*TS*SGNL(PS-48)
- SI*TI*SY*SSIG(PS-49)

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
					<u>Attributes</u>
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		
			OT Out Telephone Number		
			SA Service Activity		
			SY Start Signaling		
			T6 Transfer of Calls Options		
			TN Telephone Number		
			TS Type of Signaling		
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
			LNA (PS-12) = Line Activity		
			CT=(DWS: X-TN Change)		
			C=(DWS: C-Change)		

A=(DWS: N-New)
D=(DWS: D-Disconnect)
V=(DWS: V-Conversion As Specified)
P=(DWS: P-PIC Change)

TNS (PS-16) = Telephone Numbers
OTN (PS-20) = Out Telephone Number
CKR (PS-29) = Customer Circuit Reference
ECCKT (PS-32) = Exchange Company Circuit ID
TC OPT (PS-33) = Transfer of Call Options
SGNL (PS-48) = Signaling
SSIG (PS-49) = Start Signaling

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
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*LOCNUM(PS-8)*LOCNUM
REF*IX*LNUM(PS-9)*LNUM
REF*GP*TSP(PS-27)
REF*AE*SAN(PS-28)
```

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification AE Authorization for Expense (AFE) Number GP Government Priority Number IX Item Number	M	ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier LOCNUM (PS-8) = Location Number LNUM (PS-9) = Line Number TSP (PS-27) = Telecommunications Service Priority SAN (PS-28) = Subscriber Authorization Number	X	AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content "LOCNUM" "LNUM"	X	AN 1/80

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

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>		
	<u>Des.</u>	<u>Element</u>			
M	<u>Attributes</u> DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 376 Delivery End The date that deliveries will end	M	ID 3/3
	DTM02	373	Date Date expressed as CCYYMMDD	X	DT 8/8
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.	Data	Element	Name		
<u>Des.</u>					
M	<u>Attributes</u>				
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.	Data	Element	Name	M	ID
M	<u>Attributes</u>	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

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	SI01	559	Agency Qualifier Code Code identifying the agency assigning the code values TI Telecommunications Industry	M	ID 2/2
M	SI02	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics TC Transfer Announcement Number	M	AN 2/2
M	SI03	234	Product/Service ID Identifying number for a product or service TC TO PRI (PS-34) = Transfer of Calls to Primary Number	M	AN 1/48

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	M	ID 2/3
			TT Transfer To		
	N102	93	Name Free-form name	X	AN 1/60
			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

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>		
	<u>Des.</u>	<u>Element</u>			
M	<u>Attributes</u>				
	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 55 Sequence Number	M	ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier TCID (PS-34a) = Transfer of Calls to Identifier	X	AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content "PRI"	X	AN 1/80

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

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

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	M	ID 2/3
			TT Transfer To		
	N102	93	Name Free-form name	X	AN 1/60
			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

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>		
	<u>Des.</u>	<u>Element</u>			
M	<u>Attributes</u> REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 55 Sequence Number	M	ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier TCID (PS-36) = Transfer of Calls to Identifier	X	AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content "SEC"	X	AN 1/80

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

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

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

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
	Attributes				
M	SI01	559	Agency Qualifier Code Code identifying the agency assigning the code values TI Telecommunications Industry	M	ID 2/2
M	SI02	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics FD Feature Detail SA Service Activity	M	AN 2/2
M	SI03	234	Product/Service ID Identifying number for a product or service FA (PS-58) = Feature Activity A = (DWS: N- Add) CF = (DWS: C-Change Feature Detail) D = (DWS: D-Disconnect) V = (DWS: V-Conversion As Specified) CT = (DWS: T-Change (new line))	M	AN 1/48
	SI04	1000	FEATURE DETAIL (PS-60) = Feature Detail Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics SC Service Category	X	AN 2/2
	SI05	234	Product/Service ID Identifying number for a product or service FEATURE (PS-59) = Feature Codes	X	AN 1/48

Segment: **POC** Line Item Change - DL Form (Delivery Address/Information Section)

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

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

Comments:

Notes: POC*n*RZ*****ZZ*DA [POC Loop repeats DDQTY(DSR-23) times]

Data Element Summary

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

Notes: SI*TI*AD*DACT(DL-81)

Data Element Summary

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	QTY01	673	Quantity Qualifier Code specifying the type of quantity 31 Additional Demand Quantity	M	ID 2/2
	QTY02	380	Quantity Numeric value of quantity DIRQTYA (DL-103) = Number of Directories for Annual Delivery	X	R 1/15
	QTY03	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	O	
M	C00101	355	Unit or Basis for Measurement Code 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	M	ID 2/2

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	QTY01	673	Quantity Qualifier Code specifying the type of quantity 38 Original Quantity	M	ID 2/2
	QTY02	380	Quantity Numeric value of quantity DIRQTYNC (DL-104) = Number of Directories Delivered on New Connect	X	R 1/15
	QTY03	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	O	
M	C00101	355	Unit or Basis for Measurement Code 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	M	ID 2/2

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	M	ID 2/3
			DA Delivery Address		
	N102	93	Name Free-form name	X	AN 1/60
			"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

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

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
M	<u>Des.</u> NX201		1106	Address Component Qualifier	M ID 2/2
	<u>Attributes</u>			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 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)

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
	Attributes				
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:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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:	<pre>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)</pre>

Data Element Summary

Ref.	Data	Element	Name	M	ID
<u>Des.</u>	<u>Element</u>	<u>Name</u>			
M	PID01	349	Item Description Type Code indicating the format of a description S Structured (From Industry Code List)	M	ID 1/1
	PID03	559	Agency Qualifier Code Code identifying the agency assigning the code values TI Telecommunications Industry	X	ID 2/2
	PID04	751	Product Description Code 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	X	AN 1/12

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=(DWS: Blank-Do Not Omit)

LNPL (DL-44) = Letter Name Placement

Y=(DWS: L-Letter Placement)

Blank=(DWS: Blank-Default to Word Placement)

ADI (DL-61) = Address Indicator

Y=(DWS: O-Omit in DA and Directory)

Blank=(DWS: Blank-Do Not Omit)

DML (DL-25) = Direct Mail List

Y=(DWS: O-Omit)

Blank=(DWS: Blank-Do Not Omit)

TMKT (DL-27) = Telemarketing

Y=(DWS: O-Omit From Telemarketing)

Blank=(DWS: Blank-Do Not Omit)

NOSL (DL-26) = No Solicitation Indicator

PROF (DL-32) = Professional 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*LI*ALI(DL-11)

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>		
	<u>Des.</u>	<u>Element</u>			
M	<u>Attributes</u> REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification LI Line Item Identifier (Seller's)	M	ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ALI (DL-11) = Alpha/Numeric Listing Identifier Code	X	AN 1/30

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N901	128	Reference Identification Qualifier 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	M	ID 2/3
	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier "PLA"	X	AN 1/30

Segment: **MTX** Text
Position: 3260
Loop: N9 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify textual data
Syntax Notes:

- 1 If MTX01 is present, then MTX02 is required.
- 2 If MTX03 is present, then MTX02 is required.
- 3 If MTX05 is present, then MTX04 is required.

Semantic Notes:

- 1 MTX05 is the number of lines to advance before printing.

Comments:

- 1 If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.

Notes: MTX**PLA(DL-55)

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>		
<u>Attributes</u>					
MTX02	1551	Message Text		X	AN 1/4096
		To transmit large volumes of message text			
		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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N901	128	Reference Identification Qualifier 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	M	ID 2/3
	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier "LTXTY"	X	AN 1/30
	N903	369	Free-form Description Free-form descriptive text LTXTY (DL-57) = Listing Text Type	X	AN 1/45

Segment: **MTX** Text
Position: 3260
Loop: N9 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify textual data
Syntax Notes:

- 1 If MTX01 is present, then MTX02 is required.
- 2 If MTX03 is present, then MTX02 is required.
- 3 If MTX05 is present, then MTX04 is required.

Semantic Notes:

- 1 MTX05 is the number of lines to advance before printing.

Comments:

- 1 If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.

Notes: MTX** LTEXT(DL-59)

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>		
<u>Attributes</u>					
MTX02	1551	Message Text		X	AN 1/4096
		To transmit large volumes of message text			
		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

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

Segment: **MTX** Text
Position: 3260
Loop: N9 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify textual data
Syntax Notes:

- 1 If MTX01 is present, then MTX02 is required.
- 2 If MTX03 is present, then MTX02 is required.
- 3 If MTX05 is present, then MTX04 is required.

Semantic Notes:

- 1 MTX05 is the number of lines to advance before printing.

Comments:

- 1 If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.

Notes: MTX**REMARKS(DL-113)

Data Element Summary

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual DH Doing Business As	M	ID 2/3
	N102	93	Name Free-form name "LISTINGS"	X	AN 1/60

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*12*DESD(DL-50a)*DESD
IN2*10*TLD(DL-51)*TLD
IN2*01*TITLE1D(DL-52)*TITLE1D
IN2*18*NICK(DL-54)
```

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	
M	IN201	1104	Name Component Qualifier 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 ID 2/2
M	IN202	93	Name 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 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 NICK (DL-54) = Nickname	M AN 1/60
	IN203	93	Name Free-form name LNFN (DL-46) = Listed Name First "TL" "TITLE1" "DESD" "TLD" "TITLE1D"	O AN 1/60

Segment: **N4 Geographic Location**

Position: 3700

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify the geographic place of the named party

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

Semantic Notes:

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

Notes: N4**LAST(DL-71)

Data Element Summary

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

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	
	<u>Des.</u>	<u>Element</u>		
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	
			LASN (DL-66) = Listed Address Street Name	
			LASD (DL-65) = Listed Address Street Directional Prefix	
			LALOC (DL-70) = Listed Address Locality	
			LALO (DL-69) = Listed Address Location	
			LASS (DL-68) = Listed Address Street Directional Suffix	
			LAPR (DL-62) = Listed Address Number Prefix	
			LASF (DL-64) = Listed Address Number Suffix	
			LATH (DL-67) = Listed Address Street Type	

Segment: **SI** Service Characteristic Identification

Position: 3950

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify service characteristic data

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

Semantic Notes:

Comments: 1 SI01 defines the source for each of the service characteristic qualifiers.

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

Data Element Summary

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

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

Segment: **SE** Transaction Set Trailer
Position: 0300
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Syntax Notes:

Semantic Notes:

Comments: 1 SE is the last segment of each transaction set.

Notes: SE*Number of Segments*TRAN SET CONTROL #

Data Element Summary

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