Unbundled Loop with NP Order Submittal
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19. Loop with Number Portability

19.1 Business Description

Loop with Number Portability Service involves transferring a telephone number to a Competitive Local Exchange Carrier (CLEC) such that:

1. The end customer does not have to incur a telephone number change. This is the Number Portability part of the order as explained below; and

2. The local loop component of the packaged flat rate or business rate is available to serve an address that the CLEC could not otherwise do in a timely and cost efficient manner by building their own facility.

Loop Service with Number Portability can be achieved in two ways:

1. Interim Number Portability (INP) - allows an end-customer who elects to transfer his/her existing telephone service from Qwest to a CLEC while retaining the telephone number. The telephone number will remain physically resident on the Qwest switch and be ported to the CLEC switch. Moreover, the loop to the customer's address will be connected to the Connecting Facility Assignment (CFA) provided by the CLEC. INP can be achieved in one of three ways:

   - Remote Call Forwarding (RCF). This feature allows a call to a Qwest assigned telephone number to be forwarded to the CLEC's local number;

   - Direct-Inward-Dialing (DID). This service allows a call to a Qwest assigned telephone number to be routed to the CLEC's switch via a DID trunk; and

   - Directory Number Routing Index (DNRI). This service allows an incoming call to a Qwest assigned telephone number to be routed to the CLEC's switch via a trunk terminating on the Signaling System 7 (SS7) network.

2. Local Number Portability (LNP) - allows an end-customer who elects to transfer his/her existing telephone service from Qwest to a CLEC while retaining the telephone number. The telephone number will *no* longer remain with the Qwest switch and be ported to the CLEC's switching equipment.

The following forms will be used between Qwest and the CLEC for Unbundled Loop Service with Number Portability ordering purposes:

- LSR - Local Service Request
- EU - End User Information
- LSNP – Loop Service with Number Portability

The following Order Activity Matrices define the available Order and Line Activities for Unbundled Loop Service with Number Portability:

Business Rules for Combining Order, and Line Activity
for **UBL with Number Portability**

REQ TYP	ACT	Definition	Application	LNA	Forms required
BB	N	New Installation	Not Allowed	Not Applicable	
	D	Disconnect	Not Allowed	Not Applicable	
	W	Conversion As Is	Not Allowed	Not Applicable	
	V	Conversion As Specified	A line can be converted as specified with a LNA=V, add new lines with a LNA=N, a line can be deleted with a LNA=D at time of conversion.	V, D, N	LSR, EU, LSNP
	Z	Conversion As Specified, No Directory Listing	Qwest provided numbers can either all be ported and the associated loops can be unbundled, or only some of the numbers/loops can be converted as specified LNA=V, disconnect with a LNA=D, and add new loop with a LNA=N.	V, D, N	LSR, EU, LSNP
	C	Change	Not Allowed	Not Applicable	
	T	Outside Move	Not Allowed	Not Applicable	
	L	Seasonal Suspend	Not Allowed	Not Applicable	
	Y	Deny	Not Allowed	Not Applicable	
	B	Restore	Not Allowed	Not Applicable	
	R	Record	Not Allowed	Not Applicable	
	M	Inside Move	Not Allowed	Not Applicable	

19.2 Business Model

See Appendix H

19.3 Developer Worksheets

See Appendices B and C – Developer Worksheets - Order

19.4 Trading Partner Access Information

ORDERING FUNCTION	PRODUCT ID
Loop Services with Number Portability Service Request	850LSNP
Loop Services with Number Portability Supplemental	860LSNP
Status Update – Auto Push	855SU
Firm Order Confirmation	855FOC
Firm Order Confirmation on Supplemental	865FOC
Non Fatal Error Response	855NF
Non Fatal Error Response on Supplemental	865NF
Fatal Error Response	855FATAL
Fatal Error Response on Supplemental	865FATAL
Jeopardy	865JEOP
Completion	865COMP

Order Submittal

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

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

19.4.1 OVERVIEW: Qwest Specific Functional Group Envelope - Routing Information

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

The Interchange envelope provides the Interchange Sender ID and Receiver ID information for EDI transport to deliver the transmission for external routing. The Functional Group Envelope

routes the enclosed transaction set's output after translation to a specific application or application interface.

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

19.4.2 ISA TABLE INFORMATION

ANSI X12 ISA and IEA definitions:

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

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

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

19.4.3 GS TABLE INFORMATION

ANSI X12 GS and GE segment definitions:

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

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

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

GS Table

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

ORDERING FUNCTION	QWEST SEND/ RECEIVE	DOCUMENT	GS01 VALUE	GS02 VALUE	GS03 VALUE
Service Request	Receive	850LSNP	PO	*Co-Provider TP ID*	**LSNP90**
Status Update – Auto Push	Send	855SU	PR	**SU90**	*Co-Provider TP ID*
Firm Order Confirmation	Send	855FOC	PR	**FOC90**	*Co-Provider TP ID*
Non Fatal Error Response	Send	855NF	PR	**NF90**	*Co-Provider TP ID*
Fatal Error Response	Send	855FATAL	PR	**FATAL90**	*Co-Provider TP ID*
Jeopardy	Send	865JEOP	CA	**JEOP90**	*Co-Provider TP ID*
Completion	Send	865COMP	CA	**COMP90**	*Co-Provider TP ID*

Supplemental Order

Once an order has been initiated and received by Qwest the Co-Provider may submit an 860 Purchase Order Change Request to cancel, correct, or change the original order. In response to

receiving the 860 request from the Co-Provider, Qwest will transmit Functional Acknowledgments (997) and Purchase Order Change Acknowledgments (865).

GS Table (Supplemental)

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

ORDERING FUNCTION	Qwest SEND/ RECEIVE	DOCUMENT	GS01 VALUE	GS02 VALUE	GS03 VALUE
Supplemental	Receive	860LSNP	PC	*Co-Provider TP ID*	**LSNP90**
Status Update – Auto Push	Send	855SU	PR	**SU90**	*Co-Provider TP ID*
Firm Order Confirmation	Send	865FOC	CA	**FOC90**	*Co-Provider TP ID*
Non Fatal Error Response	Send	865NF	CA	**NF90**	*Co-Provider TP ID*
Fatal Error Response	Send	865FATAL	CA	**FATAL90**	*Co-Provider TP ID*
Jeopardy	Send	865JEOP	CA	**JEOP90**	*Co-Provider TP ID*
Completion	Send	865COMP	CA	**COMP90**	*Co-Provider TP ID*

19.4.4 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	ELMS 5	004020
Local Service Request	LSOG 5	ELMS 5	004020
Loop and Number Portability	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

19.5 Mapping Examples

19.5.1 850 Loop Service with Number Portability Service Request (850LSNP) – Version 4020

Legend of Symbols in this transaction example

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

ST*850*TRAN SET CONTROL #
BEG*00*SS***PON**$^{LSR-2}$**PO Date (See Trading Partner Access Information)
REF*11***AN**$^{LSR-7}$*AN
REF*11***EAN**$^{EU-40}$*EAN
REF*AO***APT CON**$^{LSR-15a}$
REF*4N***BI1**$^{LSR-60}$*BI1
REF*12***BAN1**$^{LSR-61}$*BAN1
REF*4N***BI2**$^{LSR-62}$*BI2
REF*12***BAN2**$^{LSR-63}$*BAN2
REF*JB***PROJECT**$^{LSR-20}$
REF*SU***RTR**$^{LSR-28}$*RTR
REF*CO***RPON**$^{LSR-51}$*RPON
REF*1V***RORD**$^{LSR-52}$*RORD
PAM*48***PG_of**$^{LSR-10}$(1st 2 Bytes)*EA
PAM*47***PG_of**$^{LSR-10}$(2nd 2 Bytes)*EA
PAM*63***LQTY**$^{LSNP-5}$*EA
SAC*N**TI*EXP   [If this segment appears then **EXP**$^{LSR-26}$ = "Y"]
SAC*N**TI*EEH   [If this segment appears then **AENG**$^{LSR-32}$ = "Y"]
SAC*N**TI*OAC   [If this segment appears then **ALBR**$^{LSR-33}$ = "Y"]
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*RE***REQTYP**$^{LSR-23}$
SI*TI*AA*<u>**ACT**</u>$^{LSR-24}$
SI*TI*TY***TOS**$^{LSR-44}$

SI*TI*NC***NC**[LSR-46]
SI*TI*NI***NCI**[LSR-48]
SI*TI*NJ***SEC NCI**[LSR-50]
SI*TI*ZT***TEST**[LSR-22a]
PID*S**TI*AH***SO-RSQ***CHC**[LSR-22]
PID*S**TI*CONVIND***SO-RSQ***CONVIND**[LSR-24a]
PID*S**TI*AN***SO-RSQ***SCA**[LSR-34]
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]
PID*S**TI*AC***SO-RSQ***DSPTCH**[LSR-13]
PWK*DW*NS*1*DG*91***DRC**[LSR-98]
N9*H7*ORI* *LSNP*****2W>**MANUAL IND**[LSNP-53a]
MTX****REMARKS**[LSNP-53]
N9*H7*ORI* *LSR*****2W>**MANUAL IND**[LSR-108a]
MTX****REMARKS**[LSR-108]
N9*H7*ORI* *EU*****2W>**MANUAL IND**[EU-63a]
MTX****REMARKS**[EU-63]
N1*78***CCNA**[LSR-1]
NX2*91***APOT**[LSR-41]
PER*AG***INIT**[LSR-81]*TE***TEL NO**[LSR-82]*FX* **FAX NO**[LSR-84]*EM***EMAIL**[LSR-83]
PER*CN***IMPCON**[LSR-91]*TE***TEL NO**[LSR-92]*BN***PAGER**[LSR-93]
N1*BY**25***CC**[LSR-29]
N1*AN***AUTHNM**[LSR-37]
N1*BT**92***ACNA**[LSR-64]
N1*DG***DSGCON**[LSR-97]
PER*DE**TE***TEL NO**[LSR-99]*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]
N9*L1*ACC* *EU*
MTX****ACC**[EU-30]
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*$LD3^{EU-21}$*$LV3^{EU-22}$
PER*CA*$LCON^{EU-27}$*TE*$TEL\ NO^{EU-28}$
SI*TI*AF*AFT^{EU-9}

LOOP with NUMBER PORTABILITY (LSNP Form - Service Details Section)

PO1*n*1*EA***ZZ* *LSNP*   [PO1 Loop repeats $LQTY^{LSNP-5}$ times]
SI*TI*SA*$\underline{LNA}^{LSNP-11}$
SI*TI*CM*$CKR^{LSNP-12}$
SI*TI*CN*$ECCKT^{LSNP-17}$
SI*TI*IT* $PORTED\ NBR^{LSNP-34}$
SI*TI*C2*$CFTN^{LSNP-36}$
SI*TI*IP*$NPT^{LSNP-37}$
SI*TI*RI*$RTI^{LSNP-38}$
SI*TI*TH*$NPTG^{LSNP-39}$
SI*TI*FZ* $FPI^{LSNP-43}$
SI*TI*T6*$TC\ OPT^{LSNP-45}$
PID*S**TI*BC***SO-RSQ*$TDT^{LSNP-15}$
PID*X**TI*CFA*$CFA^{LSNP-18}$
PID*S**TI*AG***SO-RSQ*$NIDR^{LSNP-31}$
REF*IX* $LNUM^{LSNP-9}$*LNUM
REF*GP*$TSP^{LSNP-13}$
REF*AE*$SAN^{LSNP-16}$
DTM*376*$TC\ PER$(CCYYMMDD$)^{LSNP-50}$
QTY*43*$TNP^{LSNP-35}$*EA
N1*8V**41*$LPIC^{LSNP-44}$
SLN*$TCPRI$*n*A*1*EA
SI*TI*TC*$TC\ TO\ PRI^{LSNP-46}$
N1*TT*$TC\ NAME^{LSNP-46b}$
REF*55*$TCID^{LSNP-46a}$*PRI
SLN*$TCSEC$*n*A*1*EA   [SLN Loop may repeat]
SI*TI*TC*$TC\ TO\ SEC^{LSNP-47}$
N1*TT*$TC\ NAME^{LSNP-49}$
REF*55*$TCID^{LSNP-48}$*SEC
SLN*IW*n*A*$IWJQ^{LSNP-33}$*EA****EQ*$IWJK^{LSNP-32}$ [SLN Loop may repeat per Inside Wiring Pair]
SLN*BL*n*A*1*EA
SI*TI*BB*$BA^{LSNP-41}$*TB*$BLOCK^{LSNP-42}$

Important Note: If none of the above PO1 loops are 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 #

19.5.2 860 Loop Services with Number Portability Supplemental Service Request (860LSNP) - Version 4020

The 860LSNP is identical to the 850LSNP with the following exceptions:

ST*860*TRAN SET CONTROL #
BCH*__*SUP*__$^{LSR-25}$*SS*__*PON*__$^{LSR-2}$**__*VER*__ $^{LSR-3}$*PO Date(See Trading Partner Access Information)
POC*n*RZ******ZZ*?? (Where ?? = *EU_SA, LSNP*)   [POC Loop may Repeat]

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

CTT*NUMBER OF POC SEGMENTS
SE*NUMBER OF SEGMENTS*TRAN SET CONTROL #

19.6   DATA DICTIONARY

19.6.1 850 Loop Service with Number Portability Service Request (850LSNP)

Functional Group ID=PO

Introduction:

The 850LSNP will be used by the Co-Provider to initiate a Loop Services with Number Portability Service Request to Qwest.

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

Notes:

This 850 Transaction includes the mappings for Local Service Request, End User and Loop Service With Number Portability.

Heading:

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

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
	3450	NX2	Location ID Component	O	>1		
	3600	PER	Administrative Communications Contact	O	>1		
			LOOP ID - N1			200	
	3100	N1	Name	O	1		
			LOOP ID - N1			200	
	3100	N1	Name	O	1		
			LOOP ID - N1			200	
	3100	N1	Name	O	1		
			LOOP ID - N1			200	
	3100	N1	Name	O	1		
	3600	PER	Administrative Communications Contact	O	>1		
			LOOP ID - N1			200	
	3100	N1	Name	O	1		
	3200	N2	Additional Name Information	O	2		
	3400	N4	Geographic Location	O	>1		
	3450	NX2	Location ID Component	O	>1		
	3600	PER	Administrative Communications Contact	O	>1		
	3650	SI	Service Characteristic Identification	O	>1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - PO1			100000	
M	0100	PO1	Baseline Item Data - End User Form (Location and Access Section)	M	1		n1
			LOOP ID - N9			1000	
	3300	N9	Reference Identification	O	1		
	3400	MTX	Text	O	>1		
			LOOP ID - N1			200	
	3500	N1	Name	O	1		
	3800	N4	Geographic Location	O	1		
	3850	NX2	Location ID Component	O	>1		
	4000	PER	Administrative Communications Contact	O	3		
	4050	SI	Service Characteristic Identification	O	>1		
			LOOP ID - PO1			100000	
M	0100	PO1	Baseline Item Data - LSNP Form (Loop Service with Number Portability)	M	1		n2
	0180	SI	Service Characteristic Identification	O	>1		
			LOOP ID - PID			1000	
	0500	PID	Product/Item Description	O	1		
	1000	REF	Reference Identification	O	>1		
	2100	DTM	Date/Time Reference	O	10		
			LOOP ID - QTY			>1	
	2930	QTY	Quantity	O	1		

			LOOP ID - N1			200	
	3500	N1	Name	O	1		
			LOOP ID - SLN			>1	
	4700	SLN	Subline Item Detail	O	1		
	4800	SI	Service Characteristic Identification	O	>1		
			LOOP ID - N1			10	
	5350	N1	Name	O	1		
	5800	REF	Reference Identification	O	12		
			LOOP ID - SLN			>1	
	4700	SLN	Subline Item Detail	O	1		
	4800	SI	Service Characteristic Identification	O	>1		
			LOOP ID - N1			10	
	5350	N1	Name	O	1		
	5800	REF	Reference Identification	O	12		
			LOOP ID - SLN			>1	
	4700	SLN	Subline Item Detail	O	1		
			LOOP ID - SLN			>1	
	4700	SLN	Subline Item Detail	O	1		
	4800	SI	Service Characteristic Identification	O	>1		
			LOOP ID - PO1			100000	
M	0100	PO1	Baseline Item Data - Dummy	M	1		n3

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - CTT			1	
	0100	CTT	Transaction Totals	O	1		n4
M	0300	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

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

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

Data Element Summary

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

	Segment:	**BEG** Beginning Segment for Purchase Order			
	Position:	0200			
	Loop:				
	Level:	Heading			
	Usage:	Mandatory			
	Max Use:	1			
	Purpose:	To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates			
	Syntax Notes:				
	Semantic Notes:	**1** BEG05 is the date assigned by the purchaser to purchase order.			
	Comments:				
	Notes:	BEG*00*SS*PON (LSR-2)**PO DATE (See Trading Partner Access Information)			

Data Element Summary

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

Segment: # REF Reference Identification

Position:	0500
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To specify identifying information
Syntax Notes:	**1** At least one of REF02 or REF03 is required.
	2 If either C04003 or C04004 is present, then the other is required.
	3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	**1** REF04 contains data relating to the value cited in REF02.
Comments:	
Notes:	REF*11*AN (LSR-7)*AN
	REF*11*EAN (EU-40)*EAN
	REF*AO*APT CON (LSR-15a)
	REF*4N*BI1 (LSR-60)*BI1
	REF*12*BAN1 (LSR-61)*BAN1
	REF*4N*BI2 (LSR-62)*BI2
	REF*12*BAN2 (LSR-63)*BAN2
	REF*JB*PROJECT (LSR-20)
	REF*SU*RTR(LSR-28)*RTR
	REF*CO*RPON (LSR-51)*RPON
	REF*1V*RORD (LSR-52)*RORD

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	REF01	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			11 Account Number		
			Number identifies a telecommunications industry account		
			12 Billing Account		
			Account number under which billing is rendered		
			1V Related Vendor Order Number		
			A vendor's order number that is in addition to a primary order number		
			4N Special Payment Reference Number		
			AO Appointment Number		
			CO Customer Order Number		
			JB Job (Project) Number		
			SU Special Processing Code		
			Unique code identifying the special handling requirements for the claim		
	REF02	127	**Reference Identification**	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			AN (LSR-7) = Account Number		
			EAN (EU-40) = Existing Account Number		
			APT CON (LSR-15a) = Appointment Confirmation		
			BI1 (LSR-60) = Billing Account Number Identifier 1		

BAN1 (LSR-61) = Billing Account Number 1
BI2 (LSR-62) = Billing Account Number Identifier 2
BAN2 (LSR-63) = Billing Account Number 2
PROJECT (LSR-20) = Project Identification
RTR(LSR-28) = Response Type Requested
RPON (LSR-51) = Related Purchase Order Number
RORD (LSR-52) = Related Order Number

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

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

"AN"
"EAN"
"BI1"
"BAN1"
"BI2"
"BAN2"
"RTR"
"RPON"
"RORD"

Segment:	**PAM** Period Amount
Position:	0950
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	10
Purpose:	To indicate a quantity, and/or amount for an identified period

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

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

Comments:

Notes:
```
PAM*48*PG_of_ (LSR-10) (1st 2 Bytes)*EA
PAM*47*PG_of_ (LSR-10) (2nd 2 Bytes)*EA
PAM*63*LQTY (LSNP-5)*EA
```

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
PAM01	673	**Quantity Qualifier**	**X**	**ID 2/2**
		Code specifying the type of quantity		
		47 Primary Net Quantity		
		48 Secondary Net Quantity		
		63 On Order Quantity		
PAM02	380	**Quantity**	**X**	**R 1/15**
		Numeric value of quantity		
		First 2 bytes of PG_of_ (LSR-10) Second 2 bytes of PG_of_ (LSR-10) LQTY (LSNP-5) = Loop Quantity		
PAM03	C001	**Composite Unit of Measure**	**X**	
		To identify a composite unit of measure (See Figures Appendix for examples of use)		
M C00101	355	**Unit or Basis for Measurement Code**	**M**	**ID 2/2**
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		EA Each		

Segment:	**SAC** Service, Promotion, Allowance, or Charge Information	

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

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

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

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

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

Data Element Summary

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

Code which indicates an allowance or charge for the service specified

     N   No Allowance or Charge

SAC03   **559**   **Agency Qualifier Code**   **X**   **ID 2/2**

Code identifying the agency assigning the code values

     TI   Telecommunications Industry

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

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

     EEH   Engineering Charge
     EXP   Expedited Service Charge
     OAC   Overtime Loading

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

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

097	Transaction Creation
150	Service Period Start
270	Date Filed
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*RE*REQTYP (LSR-23)
	SI*TI*AA*ACT (LSR-24)
	SI*TI*TY*TOS (LSR-44)
	SI*TI*NC*NC (LSR-46)
	SI*TI*NI*NCI (LSR-48)
	SI*TI*NJ*SEC NCI (LSR-50)
	SI*TI*ZT*TEST (LSR-22a)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	SI01	559	**Agency Qualifier Code**	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	**Service Characteristics Qualifier**	M	AN 2/2
			Code from an industry code list qualifying the type of service characteristics		
			AA Account Activity		
			NC Network Channel		
			NI Network Channel Interface		
			NJ Secondary Network Channel Interface		
			RE Requisition Type		
			TY Type of Service		
			ZT Type of Test		
M	SI03	234	**Product/Service ID**	M	AN 1/48
			Identifying number for a product or service		
			ACT (LSR-24) = Activity		
			V= (DWS: V = Conversion As Specified		
			Z= (DWS: Z = Total Conversion as Specified with no DL)		
			REQTYP(LSR-23) = Requisition Type and Status		
			TOS (LSR-44) = Type of Service		

NC (LSR-46) = Network Channel Code
NCI (LSR-48) = Network Channel Interface Code
SEC NCI (LSR-50) = Secondary Network Channel Interface Code
TEST (LSR-22a) = Test

	Segment:	**PID** Product/Item Description	

Segment: **PID** Product/Item Description

Position:	1900
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	200
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID04 is required.
	5 If PID09 is present, then PID05 is required.
Semantic Notes:	1 Use PID03 to indicate the organization that publishes the code list being referred to.
	2 PID04 should be used for industry-specific product description codes.
	3 PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
	4 PID09 is used to identify the language being used in PID05.
Comments:	1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.
	3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	PID*S**TI*AH***SO-RSQ*CHC (LSR-22)
	PID*S**TI*CONVIND***SO-RSQ*CONVIND (LSR-24a)
	PID*S**TI*AN***SO-RSQ*SCA (LSR-34)
	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)
	PID*S**TI*AC***SO-RSQ*DSPTCH (LSR-13)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	PID01	349	**Item Description Type**	M	**ID 1/1**
			Code indicating the format of a description		
			S Structured (From Industry Code List)		
	PID03	559	**Agency Qualifier Code**	X	**ID 2/2**
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
	PID04	751	**Product Description Code**	X	**AN 1/12**
			A code from an industry code list which provides specific data about a product characteristic		
			AC Dispatch Required		
			AH Coordinated Hot Cut		
			AN Special Construction is Authorized		
			AO Agency Authorization Status		

		BI	Final Bill Information Indicator	
		CONVIND	Conversion Indicator	
		PENDING	Pending Order	
PID07	**822**	**Source Subqualifier**	**O**	**AN 1/15**

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

SO-RSQ	Service Order - Reseller Question list

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

Code indicating a Yes or No condition or response

FBI (EU-42) = Final Bill Information Indicator
   Y= (DWS: D (Different))
   N= (DWS: E (Existing (Default)))

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

CHC (LSR-22) = Coordinated Hot Cut
SCA (LSR-34) = Special Construction Authorization
AGAUTH (LSR-35) = Agency Authorization Status
PENDING ORDER (LSR-108b) = Pending Order Indicator
DSPTCH (LSR-13) = Dispatch Required

Segment:	**PWK** Paperwork		
Position:	2100		
Loop:			
Level:	Heading		
Usage:	Optional		
Max Use:	25		
Purpose:	To identify the type or transmission or both of paperwork or supporting information		
Syntax Notes:	1	If either PWK05 or PWK06 is present, then the other is required.	
Semantic Notes:			
Comments:	1	PWK05 and PWK06 may be used to identify the addressee by a code number.	
	2	PWK07 may be used to indicate special information to be shown on the specified report.	
	3	PWK08 may be used to indicate action pertaining to a report.	
Notes:	PWK*DW*NS*1*DG*91*DRC (LSR-98)		

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	PWK01	755	**Report Type Code**	M	ID 2/2
			Code indicating the title or contents of a document, report or supporting item		
			DW Drawing(s)		
	PWK02	756	**Report Transmission Code**	O	ID 1/2
			Code defining timing, transmission method or format by which reports are to be sent		
			NS Not Specified		
			Indicates that a report will be transmitted via a nonspecified medium		
	PWK03	757	**Report Copies Needed**	O	N0 1/2
			The number of copies of a report that should be sent to the addressee		
			1 Always One		
	PWK04	98	**Entity Identifier Code**	O	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
			DG Design Engineering		
			Identifies the design engineer or office of the design engineer who will receive design specifications		
	PWK05	66	**Identification Code Qualifier**	X	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
			91 Assigned by Seller or Seller's Agent		
	PWK06	67	**Identification Code**	X	AN 2/80
			Code identifying a party or other code		
			DRC (LSR-98) = Design Routing Code		

Segment:	**N9** Reference Identification			

Position: 2950
Loop: N9   Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:
1   At least one of N902 or N903 is required.
2   If N906 is present, then N905 is required.
3   If either C04003 or C04004 is present, then the other is required.
4   If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
1   N906 reflects the time zone which the time reflects.
2   N907 contains data relating to the value cited in N902.
Comments:
Notes: N9*H7*ORI*LSNP****2W>MANUAL IND (LSNP-53a)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	N901	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			H7 Standard Clause		
	N902	127	**Reference Identification**	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			ORI Order Instructions		
	N903	369	**Free-form Description**	X	AN 1/45
			Free-form descriptive text		
			"LSNP"		
	N907	C040	**Reference Identifier**	O	
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier		
M	C04001	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			2W Change Order Authority		
M	C04002	127	**Reference Identification**	M	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			MANUAL IND (LSNP-53a) = Manual Indicator		

Segment: # MTX Text

Position: 3000
Loop: N9   Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify textual data
Syntax Notes: 1   If MTX01 is present, then MTX02 is required.
    2   If MTX03 is present, then MTX02 is required.
    3   If MTX05 is present, then MTX04 is required.
Semantic Notes: 1   MTX05 is the number of lines to advance before printing.
Comments: 1   If MTX04 is "AA - Advance the specific number of lines before print",
    then MTX05 is required.
Notes: MTX**REMARKS (LSNP-53)

Data Element Summary

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

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

Position: 2950
Loop: N9 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes: 1 At least one of N902 or N903 is required.
2 If N906 is present, then N905 is required.
3 If either C04003 or C04004 is present, then the other is required.
4 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: 1 N906 reflects the time zone which the time reflects.
2 N907 contains data relating to the value cited in N902.
Comments:
Notes: N9*H7*ORI*LSR****2W>MANUAL IND (LSR-108a)

Data Element Summary

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

Segment: # MTX Text

Position:	3000
Loop:	N9 Optional
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To specify textual data
Syntax Notes:	1 If MTX01 is present, then MTX02 is required.
	2 If MTX03 is present, then MTX02 is required.
	3 If MTX05 is present, then MTX04 is required.
Semantic Notes:	1 MTX05 is the number of lines to advance before printing.
Comments:	1 If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.
Notes:	MTX**REMARKS (LSR-108)

Data Element Summary

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

Segment: # N9 Reference Identification

Position:	2950
Loop:	N9 Optional
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:	1 At least one of N902 or N903 is required.
	2 If N906 is present, then N905 is required.
	3 If either C04003 or C04004 is present, then the other is required.
	4 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	1 N906 reflects the time zone which the time reflects.
	2 N907 contains data relating to the value cited in N902.
Comments:	
Notes:	N9*H7*ORI*EU****2W>MANUAL IND (EU-63a)

Data Element Summary

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

Segment:	**MTX** Text
Position:	3000
Loop:	N9 Optional
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To specify textual data
Syntax Notes:	1 If MTX01 is present, then MTX02 is required.
	2 If MTX03 is present, then MTX02 is required.
	3 If MTX05 is present, then MTX04 is required.
Semantic Notes:	1 MTX05 is the number of lines to advance before printing.
Comments:	1 If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.
Notes:	MTX**REMARKS (EU-63)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
MTX02	1551	Message Text	X	AN 1/4096
		To transmit large volumes of message text		
		REMARKS (EU-63) = Remarks		

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

Data Element Summary

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

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

Segment: **NX2** Location ID Component

Position: 3450
Loop: N1   Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To define types and values of a geographic location
Syntax Notes:
Semantic Notes:
Comments:
Notes: NX2*91*APOT (LSR-41)

Data Element Summary

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

	Segment:		**PER** Administrative Communications Contact

Segment: **PER** Administrative Communications Contact

Position: 3600
Loop: N1   Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:
1. If either PER03 or PER04 is present, then the other is required.
2. If either PER05 or PER06 is present, then the other is required.
3. If either PER07 or PER08 is present, then the other is required.

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

PER*CN*IMPCON (LSR-91)*TE*TEL NO (LSR-92)*BN*PAGER (LSR-93)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	PER01	366	**Contact Function Code**	M	ID 2/2
			Code identifying the major duty or responsibility of the person or group named		
			AG Agent		
			CN General Contact		
	PER02	93	**Name**	O	AN 1/60
			Free-form name		
			INIT (LSR-81) = Initiator Identification		
			IMPCON (LSR-91) = Implementation Contact		
	PER03	365	**Communication Number Qualifier**	X	ID 2/2
			Code identifying the type of communication number		
			TE Telephone		
	PER04	364	**Communication Number**	X	AN 1/256
			Complete communications number including country or area code when applicable		
			TEL NO (LSR-82) = Telephone Number		
			TEL NO (LSR-92) = Telephone Number		
	PER05	365	**Communication Number Qualifier**	X	ID 2/2
			Code identifying the type of communication number		
			BN Beeper Number		
			FX Facsimile		
	PER06	364	**Communication Number**	X	AN 1/256
			Complete communications number including country or area code when applicable		
			PAGER (LSR-93) = Pager Number		
			FAX NO (LSR-84) = Facsimile Number		
	PER07	365	**Communication Number Qualifier**	X	ID 2/2
			Code identifying the type of communication number		
			EM Electronic Mail		

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

Complete communications number including country or area code when applicable

EMAIL (LSR-83) = Electronic Mail Address

Segment:	**N1** Name		
Position:	3100		
Loop:	N1 Optional		
Level:	Heading		
Usage:	Optional		
Max Use:	1		
Purpose:	To identify a party by type of organization, name, and code		
Syntax Notes:	1 At least one of N102 or N103 is required.		
	2 If either N103 or N104 is present, then the other is required.		
Semantic Notes:			
Comments:	1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.		
	2 N105 and N106 further define the type of entity in N101.		
Notes:	N1*BY**25*CC (LSR-29)		

Data Element Summary

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

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

 BY   Buying Party (Purchaser)

	N103	66	**Identification Code Qualifier** X ID 1/2

Code designating the system/method of code structure used for Identification Code (67)

 25   Carrier's Customer Code

	N104	67	**Identification Code** X AN 2/80

Code identifying a party or other code

CC (LSR-29) = Company Code

					**N1** Name

Segment: **N1** Name

Position:	3100
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	1 At least one of N102 or N103 is required.
	2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
	2 N105 and N106 further define the type of entity in N101.
Notes:	N1*AN*AUTHNM (LSR-37)

Data Element Summary

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

Segment:	**N1** Name				

Position: 3100
Loop: N1   Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1   At least one of N102 or N103 is required.
           2   If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1   This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
           2   N105 and N106 further define the type of entity in N101.
Notes: N1*BT**92*ACNA (LSR-64)

Data Element Summary

Ref. Des. Attributes	Data Element	Name			
M N101	98	**Entity Identifier Code**		M	**ID 2/3**
		Code identifying an organizational entity, a physical location, property or an individual			
		BT Bill-to-Party			
N103	66	**Identification Code Qualifier**		X	**ID 1/2**
		Code designating the system/method of code structure used for Identification Code (67)			
		92 Assigned by Buyer or Buyer's Agent			
N104	67	**Identification Code**		X	**AN 2/80**
		Code identifying a party or other code			
		ACNA (LSR-64) = Access Customer Name Abbreviation			

Segment:		**N1** Name			
Position:		3100			
Loop:		N1 Optional			
Level:		Heading			
Usage:		Optional			
Max Use:		1			
Purpose:		To identify a party by type of organization, name, and code			
Syntax Notes:		1	At least one of N102 or N103 is required.		
		2	If either N103 or N104 is present, then the other is required.		
Semantic Notes:					
Comments:		1	This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.		
		2	N105 and N106 further define the type of entity in N101.		
Notes:		N1*DG*DSGCON (LSR-97)			

Data Element Summary

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

Segment: # PER Administrative Communications Contact

Position: 3600
Loop: N1　　　Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:　1　If either PER03 or PER04 is present, then the other is required.
　　　　2　If either PER05 or PER06 is present, then the other is required.
　　　　3　If either PER07 or PER08 is present, then the other is required.
Semantic Notes:
Comments:
Notes: PER*DE**TE*TEL NO (LSR-99)*FX*FAX NO (LSR-100)

Data Element Summary

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

	Segment:	**N1** Name		
	Position:	3100		
	Loop:	N1 Optional		
	Level:	Heading		
	Usage:	Optional		
	Max Use:	1		
	Purpose:	To identify a party by type of organization, name, and code		
	Syntax Notes:	**1** At least one of N102 or N103 is required.		
		2 If either N103 or N104 is present, then the other is required.		
	Semantic Notes:			
	Comments:	**1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.		
		2 N105 and N106 further define the type of entity in N101.		
	Notes:	N1*X1*BILLNM (EU-43)		

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	**N101**	98	**Entity Identifier Code**	M	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			X1 Mail to		
			An address to which a specified item is to be mailed		
	N102	93	**Name**	X	**AN 1/60**
			Free-form name		
			BILLNM (EU-43) = Bill Name		

	Segment:	**N2** Additional Name Information
	Position:	3200
	Loop:	N1 Optional
	Level:	Heading
	Usage:	Optional
	Max Use:	2
	Purpose:	To specify additional names
	Syntax Notes:	
	Semantic Notes:	
	Comments:	
	Notes:	N2*SBILLNM (EU-44)

Data Element Summary

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

Segment:	**N4** Geographic Location	

Position:	3400
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To specify the geographic place of the named party
Syntax Notes:	1 Only one of N402 or N407 may be present.
	2 If N406 is present, then N405 is required.
	3 If N407 is present, then N404 is required.
Semantic Notes:	
Comments:	1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
	2 N402 is required only if city name (N401) is in the U.S. or Canada.
Notes:	N4**STATE (EU-49)*ZIP (EU-50)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
N402	**156**	**State or Province Code**	X	ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency		
		STATE (EU-49) = State/Province		
N403	**116**	**Postal Code**	O	ID 3/15
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
		ZIP (EU-50) = ZIP/Postal Code		

			Segment:	**NX2** Location ID Component		

Position: 3450
Loop: N1   Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To define types and values of a geographic location
Syntax Notes:
Semantic Notes:
Comments:
Notes:

NX2*01*SANO (EU-45b)
NX2*02*SASN (EU-45e)
NX2*03*SASD (EU-45d)
NX2*07*CITY (EU-48)
NX2*32*FLOOR (EU-46)
NX2*35*ROOM/MAIL STOP (EU-47)
NX2*40*SASS (EU-45g)
NX2*59*SAPR (EU-45a)
NX2*61*SASF (EU-45c)
NX2*62*SATH (EU-45f)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	NX201	1106	**Address Component Qualifier**	M	ID 2/2
			Code qualifying the type of address component		
			01 Street Number		
			02 Street Name		
			03 Prefix Direction		
			07 City Name		
			32 Floor		
			A particular floor or level of a building		
			35 Room		
			A walled room or partitioned area of a building		
			40 Street Suffix		
			59 Street Number Low		
			61 Street Number Fraction		
			62 Street Name Suffix		
M	NX202	166	**Address Information**	M	AN 1/55
			Address information		

SANO (EU-45b) = Service Address Number
SASN (EU-45e) = Service Address Street Name
SASD (EU-45d) = Service Address Street Directional Prefix
CITY (EU-48) = City
FLOOR (EU-46) = Floor
ROOM/MAIL STOP (EU-47) = Room/Mail Stop
SASS (EU-45g) = Service Address Street Directional Suffix
SAPR (EU-45a) = Service Address Number Prefix
SASF (EU-45c) = Service Address Number Suffix
SATH (EU-45f) = Service Address Street Type

Segment: # PER Administrative Communications Contact

Position: 3600
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:
1 If either PER03 or PER04 is present, then the other is required.
2 If either PER05 or PER06 is present, then the other is required.
3 If either PER07 or PER08 is present, then the other is required.
Semantic Notes:
Comments:
Notes: PER*BI*BILLCON (EU-51)*TE*TEL NO (EU-52)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M PER01	366	**Contact Function Code**	M	ID 2/2
		Code identifying the major duty or responsibility of the person or group named		
		BI Bill Inquiry Contact		
		Service Provider contact for making inquires about information on the invoice		
PER02	93	**Name**	O	AN 1/60
		Free-form name		
		BILLCON (EU-51) = Billing Contact		
PER03	365	**Communication Number Qualifier**	X	ID 2/2
		Code identifying the type of communication number		
		TE Telephone		
PER04	364	**Communication Number**	X	AN 1/256
		Complete communications number including country or area code when applicable		
		TEL NO (EU-52) = Telephone Number		

Segment: **SI** Service Characteristic Identification

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

Data Element Summary

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

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

Data Element Summary

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

Segment:	**N9** Reference Identification				

Segment: **N9** Reference Identification

Position:	3300
Loop:	N9 Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:	1 At least one of N902 or N903 is required.
	2 If N906 is present, then N905 is required.
	3 If either C04003 or C04004 is present, then the other is required.
	4 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	1 N906 reflects the time zone which the time reflects.
	2 N907 contains data relating to the value cited in N902.
Comments:	
Notes:	N9*L1*ACC*EU

Data Element Summary

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

Segment:	**MTX** Text	
Position:	3400	
Loop:	N9	Optional
Level:	Detail	
Usage:	Optional	
Max Use:	>1	
Purpose:	To specify textual data	
Syntax Notes:	1	If MTX01 is present, then MTX02 is required.
	2	If MTX03 is present, then MTX02 is required.
	3	If MTX05 is present, then MTX04 is required.
Semantic Notes:	1	MTX05 is the number of lines to advance before printing.
Comments:	1	If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.
Notes:	MTX**ACC (EU-30)	

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
MTX02	1551	Message Text	X	AN 1/4096
		To transmit large volumes of message text		
		ACC (EU-30) = Access Information		

Segment:		**N1** Name			
Position:		3500			
Loop:		N1	Optional		
Level:		Detail			
Usage:		Optional			
Max Use:		1			
Purpose:		To identify a party by type of organization, name, and code			
Syntax Notes:		**1**	At least one of N102 or N103 is required.		
		2	If either N103 or N104 is present, then the other is required.		
Semantic Notes:					
Comments:		**1**	This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.		
		2	N105 and N106 further define the type of entity in N101.		
Notes:		N1*IT*NAME (EU-8)			

Data Element Summary

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

Segment:	**N4** Geographic Location
Position:	3800
Loop:	N1 Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify the geographic place of the named party
Syntax Notes:	1 Only one of N402 or N407 may be present.
	2 If N406 is present, then N405 is required.
	3 If N407 is present, then N404 is required.
Semantic Notes:	
Comments:	1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
	2 N402 is required only if city name (N401) is in the U.S. or Canada.
Notes:	N4**STATE (EU-25)*ZIP (EU-26)**RJ*CALA (EU-26a)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
N402	156	**State or Province Code**	X	**ID 2/2**
		Code (Standard State/Province) as defined by appropriate government agency		
		STATE (EU-25) = State/Province		
N403	116	**Postal Code**	O	**ID 3/15**
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
		ZIP (EU-26) = ZIP/Postal Code		
N405	309	**Location Qualifier**	X	**ID 1/2**
		Code identifying type of location		
		RJ Region		
N406	310	**Location Identifier**	O	**AN 1/30**
		Code which identifies a specific location		
		CALA (EU-26a) = Customer Address Location Area		

	Segment:	**NX2** Location ID Component

Position: 3850
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To define types and values of a geographic location
Syntax Notes:
Semantic Notes:
Comments:
Notes:
NX2*01*SANO (EU-11)
NX2*02*SASN (EU-14)
NX2*03*SASD (EU-13)
NX2*05*BOX (EU-23c)
NX2*06*ROUTE (EU-23b)
NX2*07*CITY (EU-24)
NX2*39*AHN (EU-23a)
NX2*40*SASS (EU-16)
NX2*59*SAPR (EU-10)
NX2*61*SASF (EU-12)
NX2*62*SATH (EU-15)
NX2*LD1 (EU-17)*LV1 (EU-18)
NX2*LD2 (EU-19)*LV2 (EU-20)
NX2*LD3 (EU-21)*LV3 (EU-22)

Data Element Summary

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

Code qualifying the type of address component

LD1 (EU-17) = Location Designator 1
  13 = (DWS: APT)
  34 = (DWS: LOT)
  35 = (DWS: RM)
  36 = (DWS: SLIP)
  37 = (DWS: UNIT)
  14 = (DWS: SUIT)

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

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

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

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

Address information

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

Segment: **PER** Administrative Communications Contact

Position: 4000
Loop: N1   Optional
Level: Detail
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:
    1   If either PER03 or PER04 is present, then the other is required.
    2   If either PER05 or PER06 is present, then the other is required.
    3   If either PER07 or PER08 is present, then the other is required.
Semantic Notes:
Comments:
Notes: PER*CA*LCON (EU-27)*TE*TEL NO (EU-28)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M PER01	366	**Contact Function Code**	**M**	**ID 2/2**
		Code identifying the major duty or responsibility of the person or group named		
		CA Customer Contact Granting Appointment		
PER02	93	**Name**	**O**	**AN 1/60**
		Free-form name		
		LCON (EU-27) = Local 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-28) = Telephone Number		

Segment: **SI** Service Characteristic Identification

Position:	4050
Loop:	N1 Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify service characteristic data
Syntax Notes:	1 If either SI04 or SI05 is present, then the other is required.
	2 If either SI06 or SI07 is present, then the other is required.
	3 If either SI08 or SI09 is present, then the other is required.
	4 If either SI10 or SI11 is present, then the other is required.
	5 If either SI12 or SI13 is present, then the other is required.
	6 If either SI14 or SI15 is present, then the other is required.
	7 If either SI16 or SI17 is present, then the other is required.
	8 If either SI18 or SI19 is present, then the other is required.
	9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:	
Comments:	1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:	SI*TI*AF*AFT (EU-9)

Data Element Summary

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

Segment:	**PO1** Baseline Item Data - LSNP Form (Loop Service with Number Portability)		
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*LSNP [PO1 Loop repeats LQTY (LSNP-5) times]		

Data Element Summary

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

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 (LSNP-11)
SI*TI*CM*CKR (LSNP-12)
SI*TI*CN*ECCKT (LSNP-17)
SI*TI*IT*PORTED NBR (LSNP-34)
SI*TI*C2*CFTN (LSNP-36)
SI*TI*IP*NPT (LSNP-37)
SI*TI*RI*RTI (LSNP-38)
SI*TI*TH*NPTG (LSNP-39)
SI*TI*FZ*FPI (LSNP-43)
SI*TI*T6*TC OPT (LSNP-45)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	SI01	559	**Agency Qualifier Code**	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	**Service Characteristics Qualifier**	M	AN 2/2
			Code from an industry code list qualifying the type of service characteristics		
			C2 Call Forwarding Telephone Number		
			CM Local Service Providers Circuit Number		
			CN Circuit Number Identification		
			FZ Freeze PIC Indicator		
			IP Number Portability Type		
			IT Ported Telephone Number		
			RI Route Index		
			SA Service Activity		
			T6 Transfer of Calls Options		
			TH Trunk Group Number		
M	SI03	234	**Product/Service ID**	M	AN 1/48
			Identifying number for a product or service		

LNA (LSNP-11) = Line Activity
  D= (DWS: D-Disconnect)
  V= (DWS: V-Conversion as specified)
  N= (DWS: A-New Loop)

CKR (LSNP-12) = Customer Circuit Reference
ECCKT (LSNP-17) = Exchange Company Circuit ID
PORTED NBR (LSNP-34) = Ported Telephone Number
CFTN (LSNP-36) = Call Forward To Number
NPT (LSNP-37) = Number Portability Type
RTI (LSNP-38) = Route Index
NPTG (LSNP-39) = Number Portability Trunk Group
FPI (LSNP-43) = Freeze PIC Indicator
TC OPT (LSNP-45) = Transfer of Call Options

Segment: **PID** Product/Item Description

Position:	0500
Loop:	PID Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID04 is required.
	5 If PID09 is present, then PID05 is required.
Semantic Notes:	1 Use PID03 to indicate the organization that publishes the code list being referred to.
	2 PID04 should be used for industry-specific product description codes.
	3 PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
	4 PID09 is used to identify the language being used in PID05.
Comments:	1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.
	3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	PID*S**TI*BC***SO-RSQ*TDT (LSNP-15)
	PID*X**TI*CFA*CFA (LSNP-18)
	PID*S**TI*AG***SO-RSQ*NIDR (LSNP-31)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	PID01	349	**Item Description Type**	M	ID 1/1
			Code indicating the format of a description		
			S Structured (From Industry Code List)		
			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		
			AG Network Interface Device Request		
			BC Ten Digit Trigger		
			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 (LSNP-18) = Connecting Facility Assignment		
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

NIDR (LSNP-31) = NID Request
TDT (LSNP-15) = Ten Digit Trigger

	Segment:	# REF **Reference Identification**			

	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*LNUM (LSNP-9)*LNUM
		REF*GP*TSP (LSNP-13)
		REF*AE*SAN (LSNP-16)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	REF01	128	**Reference Identification Qualifier**	M	**ID 2/3**
			Code qualifying the Reference Identification		
			AE Authorization for Expense (AFE) Number		
			GP Government Priority Number		
			IX Item Number		
	REF02	127	**Reference Identification**	X	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			SAN (LSNP-16) = Subscriber Authorization Number		
			TSP (LSNP-13) = Telecommunication Service Priority		
			LNUM (LSNP-9) = Line Number		
	REF03	352	**Description**	X	**AN 1/80**
			A free-form description to clarify the related data elements and their content		
			"LNUM"		

| | | | | Segment: | **DTM** Date/Time Reference | | |

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} (LSNP-50)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M　　DTM01	374	**Date/Time Qualifier**	M	**ID 3/3**
		Code specifying type of date or time, or both date and time		
		376　　　　　Delivery End		
		The date that deliveries will end		
DTM02	373	**Date**	X	**DT 8/8**
		Date expressed as CCYYMMDD		
		TC PER (LSNP-50) = Transfer of Calls Period		

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*43*TNP (LSNP-35)*EA

Data Element Summary

	Ref. Des. Attributes	Data Element	Name			
M	QTY01	673	**Quantity Qualifier**		M	ID 2/2
			Code specifying the type of quantity			
			43	Talk Paths		
				The total number of talk paths associated with the ordered port(s)		
	QTY02	380	**Quantity**		X	R 1/15
			Numeric value of quantity			
			TNP (LSNP-35) = Total Number of Paths			
	QTY03	C001	**Composite Unit of Measure**		O	
			To identify a composite unit of measure (See Figures Appendix for examples of use)			
M	C00101	355	**Unit or Basis for Measurement Code**		M	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
			EA	Each		

	Segment:	**N1** Name
	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 (LSNP-44)

Data Element Summary

Ref. Des. Attributes		Data Element	Name		
M	**N101**	98	**Entity Identifier Code**	**M**	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			8V Primary Intra-LATA (Local Access Transport Area) Carrier		
	N103	66	**Identification Code Qualifier**	**X**	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)		
			41 Telecommunications Carrier Identification Code		
			Identifies the Interexchange carrier for the charges being billed		
	N104	67	**Identification Code**	**X**	**AN 2/80**
			Code identifying a party or other code		
			LPIC (LSNP-44) = IntraLATA Pre-subscription Indicator Code		

	Segment:	**SLN** Subline Item Detail				

Segment: **SLN** Subline Item Detail

Position:	4700
Loop:	SLN Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify product subline detail item data
Syntax Notes:	1 If either SLN04 or SLN05 is present, then the other is required.
	2 If SLN07 is present, then SLN06 is required.
	3 If SLN08 is present, then SLN06 is required.
	4 If either SLN09 or SLN10 is present, then the other is required.
	5 If either SLN11 or SLN12 is present, then the other is required.
	6 If either SLN13 or SLN14 is present, then the other is required.
	7 If either SLN15 or SLN16 is present, then the other is required.
	8 If either SLN17 or SLN18 is present, then the other is required.
	9 If either SLN19 or SLN20 is present, then the other is required.
	10 If either SLN21 or SLN22 is present, then the other is required.
	11 If either SLN23 or SLN24 is present, then the other is required.
	12 If either SLN25 or SLN26 is present, then the other is required.
	13 If either SLN27 or SLN28 is present, then the other is required.
Semantic Notes:	1 SLN01 is the identifying number for the subline item.
	2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
	3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
	4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	1 See the Data Element Dictionary for a complete list of IDs.
	2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
	3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes:	SLN*TCPRI*n*A*1*EA

Data Element Summary

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

			1	Always One		
	SLN05	**C001**		**Composite Unit of Measure**	**X**	

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

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

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

   EA   Each

Segment: **SI** Service Characteristic Identification

Position:	4800
Loop:	SLN Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify service characteristic data
Syntax Notes:	1 If either SI04 or SI05 is present, then the other is required.
	2 If either SI06 or SI07 is present, then the other is required.
	3 If either SI08 or SI09 is present, then the other is required.
	4 If either SI10 or SI11 is present, then the other is required.
	5 If either SI12 or SI13 is present, then the other is required.
	6 If either SI14 or SI15 is present, then the other is required.
	7 If either SI16 or SI17 is present, then the other is required.
	8 If either SI18 or SI19 is present, then the other is required.
	9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:	
Comments:	1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:	SI*TI*TC*TC TO PRI (LSNP-46)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	SI01	559	**Agency Qualifier Code**	M	**ID 2/2**
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	**Service Characteristics Qualifier**	M	**AN 2/2**
			Code from an industry code list qualifying the type of service characteristics		
			TC Transfer Announcement Number		
M	SI03	234	**Product/Service ID**	M	**AN 1/48**
			Identifying number for a product or service		
			TC TO PRI (LSNP-46) = 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 (LSNP-46b)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	**N101**	**98**	**Entity Identifier Code**	M	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			TT Transfer To		
	N102	**93**	**Name**	X	**AN 1/60**
			Free-form name		
			TC NAME (LSNP-46b) = 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 (LSNP-46a)*PRI

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M	**REF01**	**128**	**Reference Identification Qualifier**	**M** **ID 2/3**
			Code qualifying the Reference Identification	
			55 Sequence Number	
	REF02	**127**	**Reference Identification**	**X** **AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			TCID (LSNP-46a) = Transfer of Calls to Identifier	
	REF03	**352**	**Description**	**X** **AN 1/80**
			A free-form description to clarify the related data elements and their content	
			"PRI"	

Segment: # SLN Subline Item Detail

Position:	4700
Loop:	SLN Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify product subline detail item data
Syntax Notes:	1 If either SLN04 or SLN05 is present, then the other is required.
	2 If SLN07 is present, then SLN06 is required.
	3 If SLN08 is present, then SLN06 is required.
	4 If either SLN09 or SLN10 is present, then the other is required.
	5 If either SLN11 or SLN12 is present, then the other is required.
	6 If either SLN13 or SLN14 is present, then the other is required.
	7 If either SLN15 or SLN16 is present, then the other is required.
	8 If either SLN17 or SLN18 is present, then the other is required.
	9 If either SLN19 or SLN20 is present, then the other is required.
	10 If either SLN21 or SLN22 is present, then the other is required.
	11 If either SLN23 or SLN24 is present, then the other is required.
	12 If either SLN25 or SLN26 is present, then the other is required.
	13 If either SLN27 or SLN28 is present, then the other is required.
Semantic Notes:	1 SLN01 is the identifying number for the subline item.
	2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
	3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
	4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	1 See the Data Element Dictionary for a complete list of IDs.
	2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
	3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes:	SLN*TCSEC*n*A*1*EA [SLN Loop may repeat]

Data Element Summary

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

			1		Always One		
	SLN05	**C001**	**Composite Unit of Measure**			**X**	

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

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

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

   EA   Each

Segment: **SI** Service Characteristic Identification

Position:	4800
Loop:	SLN Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify service characteristic data
Syntax Notes:	1 If either SI04 or SI05 is present, then the other is required.
	2 If either SI06 or SI07 is present, then the other is required.
	3 If either SI08 or SI09 is present, then the other is required.
	4 If either SI10 or SI11 is present, then the other is required.
	5 If either SI12 or SI13 is present, then the other is required.
	6 If either SI14 or SI15 is present, then the other is required.
	7 If either SI16 or SI17 is present, then the other is required.
	8 If either SI18 or SI19 is present, then the other is required.
	9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:	
Comments:	1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:	SI*TI*TC*TC TO SEC (LSNP-47)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	SI01	559	**Agency Qualifier Code**	M	**ID 2/2**
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	**Service Characteristics Qualifier**	M	**AN 2/2**
			Code from an industry code list qualifying the type of service characteristics		
			TC Transfer Announcement Number		
M	SI03	234	**Product/Service ID**	M	**AN 1/48**
			Identifying number for a product or service		
			TC TO SEC (LSNP-47) = 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 (LSNP-49)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	N101	98	**Entity Identifier Code**	M	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			TT Transfer To		
	N102	93	**Name**	X	**AN 1/60**
			Free-form name		
			TC NAME (LSNP-49) = 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 (LSNP-48)*SEC

Data Element Summary

Attributes	Ref. Des.	Data Element	Name		
M	REF01	128	**Reference Identification Qualifier**	M	**ID 2/3**
			Code qualifying the Reference Identification		
			55 Sequence Number		
	REF02	127	**Reference Identification**	X	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			TCID (LSNP-48) = Transfer of Calls to Identifier		
	REF03	352	**Description**	X	**AN 1/80**
			A free-form description to clarify the related data elements and their content		
			"SEC"		

Segment: # SLN Subline Item Detail

Position:	4700
Loop:	SLN Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify product subline detail item data
Syntax Notes:	1 If either SLN04 or SLN05 is present, then the other is required.
	2 If SLN07 is present, then SLN06 is required.
	3 If SLN08 is present, then SLN06 is required.
	4 If either SLN09 or SLN10 is present, then the other is required.
	5 If either SLN11 or SLN12 is present, then the other is required.
	6 If either SLN13 or SLN14 is present, then the other is required.
	7 If either SLN15 or SLN16 is present, then the other is required.
	8 If either SLN17 or SLN18 is present, then the other is required.
	9 If either SLN19 or SLN20 is present, then the other is required.
	10 If either SLN21 or SLN22 is present, then the other is required.
	11 If either SLN23 or SLN24 is present, then the other is required.
	12 If either SLN25 or SLN26 is present, then the other is required.
	13 If either SLN27 or SLN28 is present, then the other is required.
Semantic Notes:	1 SLN01 is the identifying number for the subline item.
	2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
	3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
	4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	1 See the Data Element Dictionary for a complete list of IDs.
	2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
	3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes:	SLN*IW*n*A*IWJQ (LSNP-33)*EA****EQ*IWJK (LSNP-32) [SLN loop may repeat per Inside Wiring Pair]

Data Element Summary

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

			Numeric value of quantity		
			IWJQ (LSNP-33) = Inside Wire Jack Quantity		
	SLN05	**C001**	**Composite Unit of Measure**	**X**	
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
M	**C00101**	**355**	**Unit or Basis for Measurement Code**	**M**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			EA Each		
	SLN09	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			EQ Equipment Type		
	SLN10	**234**	**Product/Service ID**	**X**	**AN 1/48**
			Identifying number for a product or service		
			IWJK (LSNP-32) = Inside Wire Jack Code		

Segment: # SLN Subline Item Detail

Position:	4700
Loop:	SLN Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify product subline detail item data

Syntax Notes:

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

Semantic Notes:

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

Comments:

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

Notes: SLN*BL*n*A*1*EA

Data Element Summary

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

		1	Always One		
	SLN05	**C001**	**Composite Unit of Measure**	**X**	

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

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

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

   EA   Each

Segment: **SI** Service Characteristic Identification

Position:	4800
Loop:	SLN Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify service characteristic data

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

Semantic Notes:

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

Notes: SI*TI*BB*BA (LSNP-41)*TB*BLOCK (LSNP-42)

Data Element Summary

Attributes	Ref. Des.	Data Element	Name		
M	SI01	559	**Agency Qualifier Code**	M	**ID 2/2**
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	**Service Characteristics Qualifier**	M	**AN 2/2**
			Code from an industry code list qualifying the type of service characteristics		
			BB Blocking Activity		
M	SI03	234	**Product/Service ID**	M	**AN 1/48**
			Identifying number for a product or service		
			BA (LSNP-41) = 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 (LSNP-42) = Block		

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

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

Data Element Summary

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

	Segment:	**CTT** Transaction Totals

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

Data Element Summary

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

	Segment:	**SE** Transaction Set Trailer		

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

Data Element Summary

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

19.6.2 860 Loop Service with Number Portability Supplemental Service Request (860LSNP)

Functional Group ID=PC

Introduction:

The 860LSNP will be used by the Co-Provider to initiate a Loop Services with Number Portability Supplemental Service Request to Qwest.

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

Notes:

This 860 Transaction includes the mappings for Local Service Request, End User and Loop Service With Number Portability.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	0100	ST	Transaction Set Header	M	1		
M	0200	BCH	Beginning Segment for Purchase Order Change	M	1		
	0500	REF	Reference Identification	O	>1		
	0950	PAM	Period Amount	O	10		
			LOOP ID - SAC			25	
	1200	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
	1500	DTM	Date/Time Reference	O	10		
	1850	SI	Service Characteristic Identification	O	>1		
	1900	PID	Product/Item Description	O	200		
	2100	PWK	Paperwork	O	25		
			LOOP ID - N9			1000	
	2850	N9	Reference Identification	O	1		
	2900	MTX	Text	O	>1		
			LOOP ID - N9			1000	
	2850	N9	Reference Identification	O	1		
	2900	MTX	Text	O	>1		
			LOOP ID - N9			1000	
	2850	N9	Reference Identification	O	1		
	2900	MTX	Text	O	>1		
			LOOP ID - N1			200	
	3000	N1	Name	O	1		
	3350	NX2	Location ID Component	O	>1		

Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
3500	PER	Administrative Communications Contact	O	>1		
		LOOP ID - N1			200	
3000	N1	Name	O	1		
		LOOP ID - N1			200	
3000	N1	Name	O	1		
		LOOP ID - N1			200	
3000	N1	Name	O	1		
		LOOP ID - N1			200	
3000	N1	Name	O	1		
3500	PER	Administrative Communications Contact	O	>1		
		LOOP ID - N1			200	
3000	N1	Name	O	1		
3100	N2	Additional Name Information	O	2		
3300	N4	Geographic Location	O	>1		
3350	NX2	Location ID Component	O	>1		
3500	PER	Administrative Communications Contact	O	>1		
3550	SI	Service Characteristic Identification	O	>1		

Detail:

Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
		LOOP ID - POC			>1	
0100	POC	Line Item Change - End User Form (Location and Access Section)	O	1		
		LOOP ID - N9			1000	
3200	N9	Reference Identification	O	1		
3260	MTX	Text	O	>1		
		LOOP ID - N1			200	
3400	N1	Name	O	1		
3700	N4	Geographic Location	O	1		
3750	NX2	Location ID Component	O	>1		
3900	PER	Administrative Communications Contact	O	3		
3950	SI	Service Characteristic Identification	O	>1		
		LOOP ID - POC			>1	
0100	POC	Line Item Change - LSNP Form (LSNP 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		
2000	DTM	Date/Time Reference	O	10		
		LOOP ID - QTY			>1	
2930	QTY	Quantity	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	

		LOOP ID - SLN			>1
4600	SLN	Subline Item Detail	O	1	
4700	SI	Service Characteristic Identification	O	>1	

Summary:

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

Transaction Set Notes

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

	Segment:	**ST** **Transaction Set Header**

Position: 0100
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: **1** The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
2 The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition.
Comments:
Notes: ST*860*TRAN SET CONTROL #

Data Element Summary

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

	Segment:	**BCH** Beginning Segment for Purchase Order Change
	Position:	0200
	Loop:	
	Level:	Heading
	Usage:	Mandatory
	Max Use:	1
	Purpose:	To indicate the beginning of the Purchase Order Change Transaction Set and transmit identifying numbers and dates
	Syntax Notes:	
	Semantic Notes:	**1** BCH06 is the date assigned by the purchaser to purchase order.
		2 BCH09 is the seller's order number.
		3 BCH10 is the date assigned by the sender to the acknowledgment.
		4 BCH11 is the date of the purchase order change request.
	Comments:	
	Notes:	BCH*SUP (LSR-25)*SS*PON (LSR-2)**VER (LSR-3)*PO Date (See Trading Partner Access Information)

Data Element Summary

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

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

			Refer to 004020 Data Element Dictionary for acceptable code values.		
M	BCH02	92	**Purchase Order Type Code**	M	ID 2/2
			Code specifying the type of Purchase Order		
			SS Supply or Service Order		
M	BCH03	324	**Purchase Order Number**	M	AN 1/22
			Identifying number for Purchase Order assigned by the orderer/purchaser		
			PON (LSR-2) = Purchase Order Number		
	BCH05	327	**Change Order Sequence Number**	O	AN 1/8
			Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set		
			VER (LSR-3) = Version Identification		
M	BCH06	373	**Date**	M	DT 8/8
			Date expressed as CCYYMMDD		
			PO Date (See Trading Partner Access Information)		

Segment:	**REF** Reference Identification			
Position:	0500			
Loop:				
Level:	Heading			
Usage:	Optional			
Max Use:	>1			
Purpose:	To specify identifying information			
Syntax Notes:	1 At least one of REF02 or REF03 is required.			
	2 If either C04003 or C04004 is present, then the other is required.			
	3 If either C04005 or C04006 is present, then the other is required.			
Semantic Notes:	1 REF04 contains data relating to the value cited in REF02.			
Comments:				
Notes:	REF*11*AN (LSR-7)*AN			

REF*11*AN (LSR-7)*AN
REF*11*EAN (EU-40)*EAN
REF*AO*APT CON (LSR-15a)
REF*4N*BI1 (LSR-60)*BI1
REF*12*BAN1 (LSR-61)*BAN1
REF*4N*BI2 (LSR-62)*BI2
REF*12*BAN2 (LSR-63)*BAN2
REF*JB*PROJECT (LSR-20)
REF*SU*RTR(LSR-28)*RTR
REF*CO*RPON (LSR-51)*RPON
REF*1V*RORD (LSR-52)*RORD

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	REF01	128	**Reference Identification Qualifier**	M	**ID 2/3**
			Code qualifying the Reference Identification		
			11	Account Number	
				Number identifies a telecommunications industry account	
			12	Billing Account	
				Account number under which billing is rendered	
			1V	Related Vendor Order Number	
				A vendor's order number that is in addition to a primary order number	
			4N	Special Payment Reference Number	
			AO	Appointment Number	
			CO	Customer Order Number	
			JB	Job (Project) Number	
			SU	Special Processing Code	
				Unique code identifying the special handling requirements for the claim	
	REF02	127	**Reference Identification**	X	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

AN (LSR-7) = Account Number
EAN (EU-40) = Existing Account Number
APT CON (LSR-15a) = Appointment Confirmation
BI1 (LSR-60) = Billing Account Number Identifier 1

BAN1 (LSR-61) = Billing Account Number 1
BI2 (LSR-62) = Billing Account Number Identifier 2
BAN2 (LSR-63) = Billing Account Number 2
PROJECT (LSR-20) = Project Identification
RTR(LSR-28) = Response Type Requested
RPON (LSR-51) = Related Purchase Order Number
RORD (LSR-52) = Related Order Number

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

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

"AN"
"EAN"
"BI1"
"BAN1"
"BI2"
"BAN2"
"RTR"
"RPON"
"RORD"

		PAM Period Amount

Segment: **PAM** Period Amount

Position:	0950
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	10
Purpose:	To indicate a quantity, and/or amount for an identified period
Syntax Notes:	1 If any of PAM01 PAM02 or PAM03 is present, then all are required.
	2 At least one of PAM02 PAM05 or PAM14 is required.
	3 If either PAM04 or PAM05 is present, then the other is required.
	4 If either PAM06 or PAM07 is present, then the other is required.
	5 If PAM07 is present, then at least one of PAM08 or PAM09 is required.
	6 If PAM07 is present, then PAM06 is required.
	7 If PAM08 is present, then PAM07 is required.
	8 If PAM09 is present, then PAM07 is required.
	9 If PAM10 is present, then at least one of PAM11 or PAM12 is required.
	10 If PAM11 is present, then PAM10 is required.
	11 If either PAM13 or PAM14 is present, then the other is required.
Semantic Notes:	1 PAM10, PAM11, or PAM12 are used when two dates are required.
	2 PAM15 indicates whether the monetary amount identified in PAM05 is a net or gross value. A "Y" indicates amount is a gross value; an "N" indicates amount is a net value.
Comments:	
Notes:	PAM*48*PG_of_ (LSR-10) (1st 2 Bytes)*EA
	PAM*47*PG_of_ (LSR-10) (2nd 2 Bytes)*EA
	PAM*63*LQTY (LSNP-5)*EA

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
	PAM01	673	**Quantity Qualifier**	X	ID 2/2
			Code specifying the type of quantity		
			47 Primary Net Quantity		
			48 Secondary Net Quantity		
			63 On Order Quantity		
	PAM02	380	**Quantity**	X	R 1/15
			Numeric value of quantity		
			First 2 bytes of PG_of_ (LSR-10)		
			Second 2 bytes of PG_of_ (LSR-10)		
			LQTY (LSNP-5) = Loop Quantity		
	PAM03	C001	**Composite Unit of Measure**	X	
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
M	C00101	355	**Unit or Basis for Measurement Code**	M	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			EA Each		

Segment: # SAC Service, Promotion, Allowance, or Charge Information

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

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

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

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

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

Data Element Summary

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

Code which indicates an allowance or charge for the service specified

    N   No Allowance or Charge

| **SAC03** | **559** | **Agency Qualifier Code** | **X** | **ID 2/2** |

Code identifying the agency assigning the code values

    TI   Telecommunications Industry

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

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

    EEH   Engineering Charge
    EXP   Expedited Service Charge
    OAC   Overtime Loading

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

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

097	Transaction Creation	
150	Service Period Start	
270	Date Filed	
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*RE*REQTYP (LSR-23)
		SI*TI*AA*ACT (LSR-24)
		SI*TI*TY*TOS (LSR-44)
		SI*TI*NC*NC (LSR-46)
		SI*TI*NI*NCI (LSR-48)
		SI*TI*NJ*SEC NCI (LSR-50)
		SI*TI*ZT*TEST (LSR-22a)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	SI01	559	**Agency Qualifier Code**	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	**Service Characteristics Qualifier**	M	AN 2/2
			Code from an industry code list qualifying the type of service characteristics		
			AA Account Activity		
			NC Network Channel		
			NI Network Channel Interface		
			NJ Secondary Network Channel Interface		
			RE Requisition Type		
			TY Type of Service		
			ZT Type of Test		
M	SI03	234	**Product/Service ID**	M	AN 1/48
			Identifying number for a product or service		
			ACT (LSR-24) = Activity		
			V= (DWS: V = Conversion As Specified)		
			Z= (DWS: Z = Total Conversion as Specified with no DL)		
			REQTYP(LSR-23) = Requisition Type and Status		
			TOS (LSR-44) = Type of Service		

NC (LSR-46) = Network Channel Code
NCI (LSR-48) = Network Channel Interface Code
SEC NCI (LSR-50) = Secondary Network Channel Interface Code
TEST (LSR-22a) = Test

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*AN***SO-RSQ*SCA (LSR-34)
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)
PID*S**TI*AC***SO-RSQ*DSPTCH (LSR-13)
```

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	PID01	349	**Item Description Type**	M	ID 1/1
			Code indicating the format of a description		
			S Structured (From Industry Code List)		
	PID03	559	**Agency Qualifier Code**	X	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
	PID04	751	**Product Description Code**	X	AN 1/12
			A code from an industry code list which provides specific data about a product characteristic		
			AC Dispatch Required		
			AH Coordinated Hot Cut		
			AN Special Construction is Authorized		
			AO Agency Authorization Status		

			BI	Final Bill Information Indicator		
			CONVIND	Conversion Indicator		
			PENDING	Pending Order		
PID07	**822**	**Source Subqualifier**			**O**	**AN 1/15**

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

	SO-RSQ	Service Order - Reseller Questions list

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

Code indicating a Yes or No condition or response

FBI (EU-42) = Final Bill Information Indicator
   Y= (DWS: D (Different))
   N= (DWS: E (Existing (Default)))

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

CHC (LSR-22) = Coordinated Hot Cut
SCA (LSR-34) = Special Construction Authorization
AGAUTH (LSR-35) = Agency Authorization Status
PENDING ORDER (LSR-108b) = Pending Order Indicator
DSPTCH (LSR-13) = Dispatch Required

Segment:	**PWK** Paperwork			

Position: 2100
Loop:
Level: Heading
Usage: Optional
Max Use: 25
Purpose: To identify the type or transmission or both of paperwork or supporting information
Syntax Notes: 1 If either PWK05 or PWK06 is present, then the other is required.
Semantic Notes:
Comments: 1 PWK05 and PWK06 may be used to identify the addressee by a code number.
2 PWK07 may be used to indicate special information to be shown on the specified report.
3 PWK08 may be used to indicate action pertaining to a report.
Notes: PWK*DW*NS*1*DG*91*DRC (LSR-98)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M **PWK01**	755	**Report Type Code**	**M**	**ID 2/2**
		Code indicating the title or contents of a document, report or supporting item		
		DW Drawing(s)		
PWK02	756	**Report Transmission Code**	**O**	**ID 1/2**
		Code defining timing, transmission method or format by which reports are to be sent		
		NS Not Specified		
		Indicates that a report will be transmitted via a nonspecified medium		
PWK03	757	**Report Copies Needed**	**O**	**N0 1/2**
		The number of copies of a report that should be sent to the addressee		
		1 Always One		
PWK04	98	**Entity Identifier Code**	**O**	**ID 2/3**
		Code identifying an organizational entity, a physical location, property or an individual		
		DG Design Engineering		
		Identifies the design engineer or office of the design engineer who will receive design specifications		
PWK05	66	**Identification Code Qualifier**	**X**	**ID 1/2**
		Code designating the system/method of code structure used for Identification Code (67)		
		91 Assigned by Seller or Seller's Agent		
PWK06	67	**Identification Code**	**X**	**AN 2/80**
		Code identifying a party or other code		
		DRC (LSR-98) = Design Routing Code		

	Segment:	**N9** Reference Identification

Position:	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*LSNP****2W>MANUAL IND (LSNP-53a)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	N901	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			H7 Standard Clause		
	N902	127	**Reference Identification**	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			ORI Order Instructions		
	N903	369	**Free-form Description**	X	AN 1/45
			Free-form descriptive text		
			"LSNP"		
	N907	C040	**Reference Identifier**	O	
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier		
M	C04001	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			2W Change Order Authority		
M	C04002	127	**Reference Identification**	M	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			MANUAL IND (LSNP-53a) = Manual Indicator		

Segment: # MTX Text

Position: 2900
Loop: N9   Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify textual data
Syntax Notes: 1   If MTX01 is present, then MTX02 is required.
    2   If MTX03 is present, then MTX02 is required.
    3   If MTX05 is present, then MTX04 is required.
Semantic Notes: 1   MTX05 is the number of lines to advance before printing.
Comments: 1   If MTX04 is "AA - Advance the specific number of lines before print",
    then MTX05 is required.
Notes: MTX**REMARKS (LSNP-53)

Data Element Summary

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

			Segment:	**N9** Reference Identification

Position: 2850
Loop: N9   Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:
   1   At least one of N902 or N903 is required.
   2   If N906 is present, then N905 is required.
   3   If either C04003 or C04004 is present, then the other is required.
   4   If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
   1   N906 reflects the time zone which the time reflects.
   2   N907 contains data relating to the value cited in N902.
Comments:
Notes: N9*H7*ORI*LSR****2W>MANUAL IND (LSR-108a)

Data Element Summary

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

Segment: # MTX Text

Position:	2900
Loop:	N9 Optional
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To specify textual data
Syntax Notes:	1 If MTX01 is present, then MTX02 is required.
	2 If MTX03 is present, then MTX02 is required.
	3 If MTX05 is present, then MTX04 is required.
Semantic Notes:	1 MTX05 is the number of lines to advance before printing.
Comments:	1 If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.
Notes:	MTX**REMARKS (LSR-108)

Data Element Summary

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

Segment:		**N9** Reference Identification			
Position:	2850				
Loop:	N9	Optional			
Level:	Heading				
Usage:	Optional				
Max Use:	1				
Purpose:	To transmit identifying information as specified by the Reference Identification Qualifier				
Syntax Notes:	1	At least one of N902 or N903 is required.			
	2	If N906 is present, then N905 is required.			
	3	If either C04003 or C04004 is present, then the other is required.			
	4	If either C04005 or C04006 is present, then the other is required.			
Semantic Notes:	1	N906 reflects the time zone which the time reflects.			
	2	N907 contains data relating to the value cited in N902.			
Comments:					
Notes:	N9*H7*ORI*EU****2W>MANUAL IND (EU-63a)				

Data Element Summary

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

Segment:	**MTX** Text	
Position:	2900	
Loop:	N9 Optional	
Level:	Heading	
Usage:	Optional	
Max Use:	>1	
Purpose:	To specify textual data	
Syntax Notes:	1	If MTX01 is present, then MTX02 is required.
	2	If MTX03 is present, then MTX02 is required.
	3	If MTX05 is present, then MTX04 is required.
Semantic Notes:	1	MTX05 is the number of lines to advance before printing.
Comments:	1	If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.
Notes:	MTX**REMARKS (EU-63)	

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
MTX02	1551	Message Text	X	AN 1/4096
		To transmit large volumes of message text		
		REMARKS (EU-63) = Remarks		

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

Data Element Summary

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

	Segment:	**NX2** Location ID Component

Position:	3350
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To define types and values of a geographic location
Syntax Notes:	
Semantic Notes:	
Comments:	
Notes:	NX2*91*APOT (LSR-41)

Data Element Summary

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

			Segment:	**PER** Administrative Communications Contact		

Segment: **PER** Administrative Communications Contact

Position:	3500
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To identify a person or office to whom administrative communications should be directed
Syntax Notes:	1 If either PER03 or PER04 is present, then the other is required.
	2 If either PER05 or PER06 is present, then the other is required.
	3 If either PER07 or PER08 is present, then the other is required.
Semantic Notes:	
Comments:	
Notes:	PER*AG*INIT (LSR-81)*TE*TEL NO (LSR-82)*FX*FAX NO (LSR-84)*EM*EMAIL (LSR-83)
	PER*CN*IMPCON (LSR-91)*TE*TEL NO (LSR-92)*BN*PAGER (LSR-93)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name			
M	PER01	366	**Contact Function Code**		M	ID 2/2
			Code identifying the major duty or responsibility of the person or group named			
			AG	Agent		
			CN	General Contact		
	PER02	93	**Name**		O	AN 1/60
			Free-form name			
			INIT (LSR-81) = Initiator Identification			
			IMPCON (LSR-91) = Implementation Contact			
	PER03	365	**Communication Number Qualifier**		X	ID 2/2
			Code identifying the type of communication number			
			TE	Telephone		
	PER04	364	**Communication Number**		X	AN 1/256
			Complete communications number including country or area code when applicable			
			TEL NO (LSR-82) = Telephone Number			
			TEL NO (LSR-92) = Telephone Number			
	PER05	365	**Communication Number Qualifier**		X	ID 2/2
			Code identifying the type of communication number			
			BN	Beeper Number		
			FX	Facsimile		
	PER06	364	**Communication Number**		X	AN 1/256
			Complete communications number including country or area code when applicable			
			PAGER (LSR-93) = Pager Number			
			FAX NO (LSR-84) = Facsimile Number			
	PER07	365	**Communication Number Qualifier**		X	ID 2/2
			Code identifying the type of communication number			
			EM	Electronic Mail		

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

		Segment:	**N1** Name

Position:	3000
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	**1** At least one of N102 or N103 is required.
	2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	**1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
	2 N105 and N106 further define the type of entity in N101.
Notes:	N1*BY**25*CC (LSR-29)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M **N101**	**98**	**Entity Identifier Code**	**M**	**ID 2/3**
		Code identifying an organizational entity, a physical location, property or an individual		
		BY Buying Party (Purchaser)		
N103	**66**	**Identification Code Qualifier**	**X**	**ID 1/2**
		Code designating the system/method of code structure used for Identification Code (67)		
		25 Carrier's Customer Code		
N104	**67**	**Identification Code**	**X**	**AN 2/80**
		Code identifying a party or other code		
		CC (LSR-29) = Company Code		

Segment:	**N1** Name				

Position: 3000
Loop: N1   Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1   At least one of N102 or N103 is required.
              2   If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1   This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
              2   N105 and N106 further define the type of entity in N101.
Notes: N1*AN*AUTHNM (LSR-37)

Data Element Summary

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

Segment:		**N1** Name			

Position:	3000
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	1 At least one of N102 or N103 is required.
	2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
	2 N105 and N106 further define the type of entity in N101.
Notes:	N1*BT**92*ACNA (LSR-64)

Data Element Summary

Ref. Des. Attributes	Data Element	Name			
M N101	98	**Entity Identifier Code**	M	ID 2/3	
		Code identifying an organizational entity, a physical location, property or an individual			
		BT Bill-to-Party			
N103	66	**Identification Code Qualifier**	X	ID 1/2	
		Code designating the system/method of code structure used for Identification Code (67)			
		92 Assigned by Buyer or Buyer's Agent			
N104	67	**Identification Code**	X	AN 2/80	
		Code identifying a party or other code			
		ACNA (LSR-64) = Access Customer Name Abbreviation			

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

Data Element Summary

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

Segment: # PER Administrative Communications Contact

Position: 3500
Loop: N1   Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:
1   If either PER03 or PER04 is present, then the other is required.
2   If either PER05 or PER06 is present, then the other is required.
3   If either PER07 or PER08 is present, then the other is required.
Semantic Notes:
Comments:
Notes: PER*DE**TE*TEL NO (LSR-99)*FX*FAX NO (LSR-100)

Data Element Summary

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

		Segment:	**N1** Name

Position: 3000
Loop: N1   Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: **1**   At least one of N102 or N103 is required.
  2   If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: **1**   This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
  2   N105 and N106 further define the type of entity in N101.
Notes: N1*X1*BILLNM (EU-43)

Data Element Summary

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

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

| | X1 | Mail to |

An address to which a specified item is to be mailed

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

Free-form name

BILLNM (EU-43) = Bill Name

	Segment:	**N2** Additional Name Information
	Position:	3100
	Loop:	N1 Optional
	Level:	Heading
	Usage:	Optional
	Max Use:	2
	Purpose:	To specify additional names
	Syntax Notes:	
	Semantic Notes:	
	Comments:	
	Notes:	N2*SBILLNM (EU-44)

Data Element Summary

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

Segment:	**N4** Geographic Location

Position: 3300
Loop: N1   Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 Only one of N402 or N407 may be present.
    2 If N406 is present, then N405 is required.
    3 If N407 is present, then N404 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404, or N405 and N406 may
       be adequate to specify a location.
    2 N402 is required only if city name (N401) is in the U.S. or Canada.
Notes: N4**STATE (EU-49)*ZIP (EU-50)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
N402	**156**	**State or Province Code**	**X**	**ID 2/2**
		Code (Standard State/Province) as defined by appropriate government agency		
		STATE (EU-49) = State/Province		
N403	**116**	**Postal Code**	**O**	**ID 3/15**
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
		ZIP (EU-50) = ZIP/Postal Code		

Segment: # NX2 Location ID Component

Position: 3350
Loop: N1   Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To define types and values of a geographic location
Syntax Notes:
Semantic Notes:
Comments:
Notes:

NX2*01*SANO (EU-45b)
NX2*02*SASN (EU-45e)
NX2*03*SASD (EU-45d)
NX2*07*CITY (EU-48)
NX2*32*FLOOR (EU-46)
NX2*35*ROOM/MAIL STOP (EU-47)
NX2*40*SASS (EU-45g)
NX2*59*SAPR (EU-45a)
NX2*61*SASF (EU-45c)
NX2*62*SATH (EU-45f)

Data Element Summary

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

Code qualifying the type of address component

01	Street Number	
02	Street Name	
03	Prefix Direction	
07	City Name	
32	Floor	
	A particular floor or level of a building	
35	Room	
	A walled room or partitioned area of a building	
40	Street Suffix	
59	Street Number Low	
61	Street Number Fraction	
62	Street Name Suffix	

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

Address information

SANO (EU-45b) = Service Address Number
SASN (EU-45e) = Service Address Street Name
SASD (EU-45d) = Service Address Street Directional Prefix
CITY (EU-48) = City
FLOOR (EU-46) = Floor
ROOM/MAIL STOP (EU-47) = Room/Mail Stop
SASS (EU-45g) = Service Address Street Directional Suffix
SAPR (EU-45a) = Service Address Number Prefix
SASF (EU-45c) = Service Address Number Suffix
SATH (EU-45f) = Service Address Street Type

Segment: # PER **Administrative Communications Contact**

Position: 3500
Loop: N1   Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:
1 If either PER03 or PER04 is present, then the other is required.
2 If either PER05 or PER06 is present, then the other is required.
3 If either PER07 or PER08 is present, then the other is required.
Semantic Notes:
Comments:
Notes: PER*BI*BILLCON (EU-51)*TE*TEL NO (EU-52)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M PER01	366	**Contact Function Code**	M	**ID 2/2**
		Code identifying the major duty or responsibility of the person or group named		
		BI Bill Inquiry Contact		
		Service Provider contact for making inquires about information on the invoice		
PER02	93	**Name**	O	**AN 1/60**
		Free-form name		
		BILLCON (EU-51) = Billing Contact		
PER03	365	**Communication Number Qualifier**	X	**ID 2/2**
		Code identifying the type of communication number		
		TE Telephone		
PER04	364	**Communication Number**	X	**AN 1/256**
		Complete communications number including country or area code when applicable		
		TEL NO (EU-52) = Telephone Number		

Segment: **SI** Service Characteristic Identification

Position:	3550
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To specify service characteristic data
Syntax Notes:	1 If either SI04 or SI05 is present, then the other is required.
	2 If either SI06 or SI07 is present, then the other is required.
	3 If either SI08 or SI09 is present, then the other is required.
	4 If either SI10 or SI11 is present, then the other is required.
	5 If either SI12 or SI13 is present, then the other is required.
	6 If either SI14 or SI15 is present, then the other is required.
	7 If either SI16 or SI17 is present, then the other is required.
	8 If either SI18 or SI19 is present, then the other is required.
	9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:	
Comments:	1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:	SI*TI*AF*AFT (EU-44a)

Data Element Summary

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

	Segment:	**POC** Line Item Change - End User Form (Location and Access Section)

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

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

Comments:

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

Data Element Summary

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

Segment:	**N9** Reference Identification		

Position: 3200
Loop: N9   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:
1   At least one of N902 or N903 is required.
2   If N906 is present, then N905 is required.
3   If either C04003 or C04004 is present, then the other is required.
4   If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
1   N906 reflects the time zone which the time reflects.
2   N907 contains data relating to the value cited in N902.
Comments:
Notes: N9*L1*ACC*EU

Data Element Summary

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

Segment: # MTX Text

Position: 3260
Loop: N9   Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify textual data
Syntax Notes: 1   If MTX01 is present, then MTX02 is required.
         2   If MTX03 is present, then MTX02 is required.
         3   If MTX05 is present, then MTX04 is required.
Semantic Notes: 1   MTX05 is the number of lines to advance before printing.
Comments: 1   If MTX04 is "AA - Advance the specific number of lines before print",
           then MTX05 is required.
Notes: MTX**ACC (EU-30)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
MTX02	1551	Message Text	X	AN 1/4096
		To transmit large volumes of message text		
		ACC (EU-30) = Access Information		

Segment:	**N1** Name		
Position:	3400		
Loop:	N1 Optional		
Level:	Detail		
Usage:	Optional		
Max Use:	1		
Purpose:	To identify a party by type of organization, name, and code		
Syntax Notes:	1 At least one of N102 or N103 is required.		
	2 If either N103 or N104 is present, then the other is required.		
Semantic Notes:			
Comments:	1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.		
	2 N105 and N106 further define the type of entity in N101.		
Notes:	N1*IT*NAME (EU-8)		

Data Element Summary

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

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

Position:	3700
Loop:	N1 Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify the geographic place of the named party
Syntax Notes:	1 Only one of N402 or N407 may be present.
	2 If N406 is present, then N405 is required.
	3 If N407 is present, then N404 is required.
Semantic Notes:	
Comments:	1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
	2 N402 is required only if city name (N401) is in the U.S. or Canada.
Notes:	N4**STATE (EU-25)*ZIP (EU-26)**RJ*CALA (EU-26a)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
N402	156	**State or Province Code**	**X**	**ID 2/2**
		Code (Standard State/Province) as defined by appropriate government agency		
		STATE (EU-25) = State/Province		
N403	116	**Postal Code**	**O**	**ID 3/15**
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
		ZIP (EU-26) = ZIP/Postal Code		
N405	309	**Location Qualifier**	**X**	**ID 1/2**
		Code identifying type of location		
		RJ Region		
N406	310	**Location Identifier**	**O**	**AN 1/30**
		Code which identifies a specific location		
		CALA (EU-26a) = Customer Address Location Area		

Segment: # NX2 Location ID Component

Position:	3750
Loop:	N1 Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To define types and values of a geographic location
Syntax Notes:	
Semantic Notes:	
Comments:	
Notes:	NX2*01*SANO (EU-11)
	NX2*02*SASN (EU-14)
	NX2*03*SASD (EU-13)
	NX2*05*BOX (EU-23c)
	NX2*06*ROUTE (EU-23b)
	NX2*07*CITY (EU-24)
	NX2*39*AHN (EU-23a)
	NX2*40*SASS (EU-16)
	NX2*59*SAPR (EU-10)
	NX2*61*SASF (EU-12)
	NX2*62*SATH (EU-15)
	NX2*LD1 (EU-17)*LV1 (EU-18)
	NX2*LD2 (EU-19)*LV2 (EU-20)
	NX2*LD3 (EU-21)*LV3 (EU-22)

Data Element Summary

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

Code qualifying the type of address component

LD1 (EU-17) = Location Designator 1
  13 = (DWS: APT)
  34 = (DWS: LOT)
  35 = (DWS: RM)
  36 = (DWS: SLIP)
  37 = (DWS: UNIT)
  14 = (DWS: SUIT)

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

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

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

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

Address information

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

Segment: # PER Administrative Communications Contact

Position: 3900
Loop: N1   Optional
Level: Detail
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:
1. If either PER03 or PER04 is present, then the other is required.
2. If either PER05 or PER06 is present, then the other is required.
3. If either PER07 or PER08 is present, then the other is required.

Semantic Notes:
Comments:
Notes: PER*CA*LCON (EU-27)*TE*TEL NO (EU-28)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	PER01	366	**Contact Function Code**	M	**ID 2/2**
			Code identifying the major duty or responsibility of the person or group named		
			CA Customer Contact Granting Appointment		
	PER02	93	**Name**	O	**AN 1/60**
			Free-form name		
			LCON (EU-27) = Local 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-28) = Telephone Number		

Segment: **SI** Service Characteristic Identification

Position:	3950
Loop:	N1 Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify service characteristic data
Syntax Notes:	1 If either SI04 or SI05 is present, then the other is required.
	2 If either SI06 or SI07 is present, then the other is required.
	3 If either SI08 or SI09 is present, then the other is required.
	4 If either SI10 or SI11 is present, then the other is required.
	5 If either SI12 or SI13 is present, then the other is required.
	6 If either SI14 or SI15 is present, then the other is required.
	7 If either SI16 or SI17 is present, then the other is required.
	8 If either SI18 or SI19 is present, then the other is required.
	9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:	
Comments:	1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:	SI*TI*AF*AFT (EU-9)

Data Element Summary

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

	Segment:	**POC** Line Item Change - LSNP Form (LSNP 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*LSNP [POC Loop repeats LQTY (LSNP-5) times]

Data Element Summary

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

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 (LSNP-11)
	SI*TI*CM*CKR (LSNP-12)
	SI*TI*CN*ECCKT (LSNP-17)
	SI*TI*IT*PORTED NBR (LSNP-34)
	SI*TI*C2*CFTN (LSNP-36)
	SI*TI*IP*NPT (LSNP-37)
	SI*TI*RI*RTI (LSNP-38)
	SI*TI*TH*NPTG (LSNP-39)
	SI*TI*FZ*FPI (LSNP-43)
	SI*TI*T6*TC OPT (LSNP-45)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	SI01	559	**Agency Qualifier Code**	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	**Service Characteristics Qualifier**	M	AN 2/2
			Code from an industry code list qualifying the type of service characteristics		
			C2 Call Forwarding Telephone Number		
			CM Local Service Providers Circuit Number		
			CN Circuit Number Identification		
			FZ Freeze PIC Indicator		
			IP Number Portability Type		
			IT Ported Telephone Number		
			RI Route Index		
			SA Service Activity		
			T6 Transfer of Calls Options		
			TH Trunk Group Number		
M	SI03	234	**Product/Service ID**	M	AN 1/48
			Identifying number for a product or service		

LNA (LSNP-11) = Line Activity
   D= (DWS: D-Disconnect)
   V= (DWS: V-Conversion as specified)
   N= (DWS: A-New Loop)

CKR (LSNP-12) = Customer Circuit Reference
ECCKT (LSNP-17) = Exchange Company Circuit ID
PORTED NBR (LSNP-34) = Ported Telephone Number
CFTN (LSNP-36) = Call Forward To Number
NPT (LSNP-37) = Number Portability Type
RTI (LSNP-38) = Route Index
NPTG (LSNP-39) = Number Portability Trunk Group
FPI (LSNP-43) = Freeze PIC Indicator
TC OPT (LSNP-45) = Transfer of Call Options

	Segment:	**PID** Product/Item Description

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

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

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

Notes:
PID*S**TI*BC***SO-RSQ*TDT (LSNP-15)
PID*X**TI*CFA*CFA (LSNP-18)
PID*S**TI*AG***SO-RSQ*NIDR (LSNP-31)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	PID01	349	**Item Description Type**	M	ID 1/1
			Code indicating the format of a description		
			S Structured (From Industry Code List)		
			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		
			AG Network Interface Device Request		
			BC Ten Digit Trigger		
			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 (LSNP-18) = Connecting Facility Assignment		
PID07	**822**	**Source Subqualifier**	**O**	**AN 1/15**

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

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

Code indicating a Yes or No condition or response

NIDR (LSNP-31) = NID Request
TDT (LSNP-15) = Ten Digit Trigger

Segment:	**REF** Reference Identification			

Position: 1000
Loop: POC   Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes: 1   At least one of REF02 or REF03 is required.
                 2   If either C04003 or C04004 is present, then the other is required.
                 3   If either C04005 or C04006 is present, then the other is required.
Semantic Notes: 1   REF04 contains data relating to the value cited in REF02.
Comments:
Notes: REF*IX*LNUM (LSNP-9)*LNUM
REF*GP*TSP (LSNP-13)
REF*AE*SAN (LSNP-16)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M **REF01**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
		Code qualifying the Reference Identification		
		AE Authorization for Expense (AFE) Number		
		GP Government Priority Number		
		IX Item Number		
REF02	**127**	**Reference Identification**	**X**	**AN 1/30**
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
		SAN (LSNP-16) = Subscriber Authorization Number		
		TSP (LSNP-13) = Telecommunication Service Priority		
		LNUM (LSNP-9) = Line Number		
REF03	**352**	**Description**	**X**	**AN 1/80**
		A free-form description to clarify the related data elements and their content		
		"LNUM"		

Segment:	**DTM** Date/Time Reference					

Position: 2000
Loop: POC   Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:
  1   At least one of DTM02 DTM03 or DTM05 is required.
  2   If DTM04 is present, then DTM03 is required.
  3   If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: DTM*376*TC PER {CCYYMMDD} (LSNP-50)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M **DTM01**	**374**	**Date/Time Qualifier**	**M**	**ID 3/3**
		Code specifying type of date or time, or both date and time		
		376 Delivery End		
		The date that deliveries will end		
DTM02	**373**	**Date**	**X**	**DT 8/8**
		Date expressed as CCYYMMDD		
		TC PER (LSNP-50) = Transfer of Calls Period		

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*43*TNP (LSNP-35)*EA

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	QTY01	673	**Quantity Qualifier**	M	ID 2/2
			Code specifying the type of quantity		
			43 Talk Paths		
			The total number of talk paths associated with the ordered port(s)		
	QTY02	380	**Quantity**	X	R 1/15
			Numeric value of quantity		
			TNP (LSNP-35) = Total Number of Paths		
	QTY03	C001	**Composite Unit of Measure**	O	
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
M	C00101	355	**Unit or Basis for Measurement Code**	M	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			EA Each		

Segment:	**N1** Name			
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 (LSNP-44)			

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M	**N101**	**98**	**Entity Identifier Code**	**M ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual	
			8V Primary Intra-LATA (Local Access Transport Area) Carrier	
	N103	**66**	**Identification Code Qualifier**	**X ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)	
			41 Telecommunications Carrier Identification Code	
			Identifies the Interexchange carrier for the charges being billed	
	N104	**67**	**Identification Code**	**X AN 2/80**
			Code identifying a party or other code	
			LPIC (LSNP-44) = IntraLATA Pre-subscription Indicator Code	

Segment:	**SLN** Subline Item Detail		

Position: 4600
Loop: SLN   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify product subline detail item data
Syntax Notes:
  1 If either SLN04 or SLN05 is present, then the other is required.
  2 If SLN07 is present, then SLN06 is required.
  3 If SLN08 is present, then SLN06 is required.
  4 If either SLN09 or SLN10 is present, then the other is required.
  5 If either SLN11 or SLN12 is present, then the other is required.
  6 If either SLN13 or SLN14 is present, then the other is required.
  7 If either SLN15 or SLN16 is present, then the other is required.
  8 If either SLN17 or SLN18 is present, then the other is required.
  9 If either SLN19 or SLN20 is present, then the other is required.
 10 If either SLN21 or SLN22 is present, then the other is required.
 11 If either SLN23 or SLN24 is present, then the other is required.
 12 If either SLN25 or SLN26 is present, then the other is required.
 13 If either SLN27 or SLN28 is present, then the other is required.
Semantic Notes:
  1 SLN01 is the identifying number for the subline item.
  2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
  3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
  4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.
Comments:
  1 See the Data Element Dictionary for a complete list of IDs.
  2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
  3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes: SLN*TCPRI*n*A*1*EA

Data Element Summary

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

			1	Always One		
	SLN05	**C001**	**Composite Unit of Measure**		**X**	

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

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

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

   EA   Each

Segment: **SI** Service Characteristic Identification

Position:	4700
Loop:	SLN Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify service characteristic data
Syntax Notes:	1 If either SI04 or SI05 is present, then the other is required.
	2 If either SI06 or SI07 is present, then the other is required.
	3 If either SI08 or SI09 is present, then the other is required.
	4 If either SI10 or SI11 is present, then the other is required.
	5 If either SI12 or SI13 is present, then the other is required.
	6 If either SI14 or SI15 is present, then the other is required.
	7 If either SI16 or SI17 is present, then the other is required.
	8 If either SI18 or SI19 is present, then the other is required.
	9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:	
Comments:	1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:	SI*TI*TC*TC TO PRI (LSNP-46)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	SI01	559	**Agency Qualifier Code**	M	**ID 2/2**
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	**Service Characteristics Qualifier**	M	**AN 2/2**
			Code from an industry code list qualifying the type of service characteristics		
			TC Transfer Announcement Number		
M	SI03	234	**Product/Service ID**	M	**AN 1/48**
			Identifying number for a product or service		
			TC TO PRI (LSNP-46) = Transfer of Calls to Primary Number		

	Segment:	**N1** Name		

Position: 5360
Loop: N1   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1   At least one of N102 or N103 is required.
2   If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1   This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2   N105 and N106 further define the type of entity in N101.
Notes: N1*TT*TC NAME (LSNP-46b)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M N101	98	**Entity Identifier Code**	M	**ID 2/3**
		Code identifying an organizational entity, a physical location, property or an individual		
		TT Transfer To		
N102	93	**Name**	X	**AN 1/60**
		Free-form name		
		TC NAME (LSNP-46b) = 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 (LSNP-46a)*PRI

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	REF01	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			55 Sequence Number		
	REF02	127	**Reference Identification**	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			TCID (LSNP-46a) = Transfer of Calls to Identifier		
	REF03	352	**Description**	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
			"PRI"		

Segment:	**SLN** Subline Item Detail

Position:	4600
Loop:	SLN Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify product subline detail item data
Syntax Notes:	**1** If either SLN04 or SLN05 is present, then the other is required.
	2 If SLN07 is present, then SLN06 is required.
	3 If SLN08 is present, then SLN06 is required.
	4 If either SLN09 or SLN10 is present, then the other is required.
	5 If either SLN11 or SLN12 is present, then the other is required.
	6 If either SLN13 or SLN14 is present, then the other is required.
	7 If either SLN15 or SLN16 is present, then the other is required.
	8 If either SLN17 or SLN18 is present, then the other is required.
	9 If either SLN19 or SLN20 is present, then the other is required.
	10 If either SLN21 or SLN22 is present, then the other is required.
	11 If either SLN23 or SLN24 is present, then the other is required.
	12 If either SLN25 or SLN26 is present, then the other is required.
	13 If either SLN27 or SLN28 is present, then the other is required.
Semantic Notes:	**1** SLN01 is the identifying number for the subline item.
	2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
	3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
	4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	**1** See the Data Element Dictionary for a complete list of IDs.
	2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
	3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes:	SLN*TCSEC*n*A*1*EA [SLN Loop may repeat]

Data Element Summary

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

				1	Always One		
	SLN05	**C001**	**Composite Unit of Measure**			**X**	

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

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

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

   EA   Each

Segment: **SI** Service Characteristic Identification

Position:	4700
Loop:	SLN Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify service characteristic data
Syntax Notes:	1 If either SI04 or SI05 is present, then the other is required.
	2 If either SI06 or SI07 is present, then the other is required.
	3 If either SI08 or SI09 is present, then the other is required.
	4 If either SI10 or SI11 is present, then the other is required.
	5 If either SI12 or SI13 is present, then the other is required.
	6 If either SI14 or SI15 is present, then the other is required.
	7 If either SI16 or SI17 is present, then the other is required.
	8 If either SI18 or SI19 is present, then the other is required.
	9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:	
Comments:	1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:	SI*TI*TC*TC TO SEC (LSNP-47)

Data Element Summary

Ref. Des. Attributes	Data Element	Name			
M **SI01**	**559**	**Agency Qualifier Code**	M	**ID 2/2**	
		Code identifying the agency assigning the code values			
		TI Telecommunications Industry			
M **SI02**	**1000**	**Service Characteristics Qualifier**	M	**AN 2/2**	
		Code from an industry code list qualifying the type of service characteristics			
		TC Transfer Announcement Number			
M **SI03**	**234**	**Product/Service ID**	M	**AN 1/48**	
		Identifying number for a product or service			
		TC TO SEC (LSNP-47) = 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 (LSNP-49)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M	**N101**	**98**	**Entity Identifier Code**	**M ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual	
			TT　　　　　　Transfer To	
	N102	**93**	**Name**	**X AN 1/60**
			Free-form name	
			TC NAME (LSNP-49) = 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 (LSNP-48)*SEC

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M REF01	128	**Reference Identification Qualifier**	M	**ID 2/3**
		Code qualifying the Reference Identification		
		55 Sequence Number		
REF02	127	**Reference Identification**	X	**AN 1/30**
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
		TCID (LSNP-48) = Transfer of Calls to Identifier		
REF03	352	**Description**	X	**AN 1/80**
		A free-form description to clarify the related data elements and their content		
		"SEC"		

Segment: # SLN Subline Item Detail

Position:	4600
Loop:	SLN Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify product subline detail item data

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

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

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

Notes: SLN*IW*n*A*IWJQ (LSNP-33)*EA****EQ*IWJK (LSNP-32)   [SLN loop may repeat per Inside Wiring Pair]

Data Element Summary

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

			Numeric value of quantity		
			IWJQ (LSNP-33) = Inside Wire Jack Quantity		
	SLN05	**C001**	**Composite Unit of Measure**	**X**	
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
M	**C00101**	**355**	**Unit or Basis for Measurement Code**	**M**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			EA Each		
	SLN09	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			EQ Equipment Type		
	SLN10	**234**	**Product/Service ID**	**X**	**AN 1/48**
			Identifying number for a product or service		
			IWJK (LSNP-32) = Inside Wire Jack 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*BL*n*A*1*EA

Data Element Summary

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

		1	Always One		
SLN05	**C001**	**Composite Unit of Measure**		**X**	

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

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

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

   EA   Each

Segment: **SI** Service Characteristic Identification

Position:	4700
Loop:	SLN Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify service characteristic data
Syntax Notes:	1 If either SI04 or SI05 is present, then the other is required.
	2 If either SI06 or SI07 is present, then the other is required.
	3 If either SI08 or SI09 is present, then the other is required.
	4 If either SI10 or SI11 is present, then the other is required.
	5 If either SI12 or SI13 is present, then the other is required.
	6 If either SI14 or SI15 is present, then the other is required.
	7 If either SI16 or SI17 is present, then the other is required.
	8 If either SI18 or SI19 is present, then the other is required.
	9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:	
Comments:	1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:	SI*TI*BB*BA (LSNP-41)*TB*BLOCK (LSNP-42)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	SI01	559	**Agency Qualifier Code**	M	**ID 2/2**
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	**Service Characteristics Qualifier**	M	**AN 2/2**
			Code from an industry code list qualifying the type of service characteristics		
			BB Blocking Activity		
M	SI03	234	**Product/Service ID**	M	**AN 1/48**
			Identifying number for a product or service		
			BA (LSNP-41) = 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 (LSNP-42) = Block		

	Segment:	**CTT** Transaction Totals

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

Data Element Summary

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

Segment: # SE Transaction Set Trailer

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

Data Element Summary

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