Unbundled Loop Order Submittal
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19. Unbundled Loop Order Submittal

19.1 Business Description

The Unbundled Loop product provides a connection between Network Interface (NI) at the end user location and a Qwest Central Office. The following forms will be used between Qwest and the CLEC for Unbundled Loop, ADSL, IDSL Unbundled, and DS3 Unbundled Loop ordering purposes:

The following forms will be used between Qwest and the CLEC for Unbundled Loop ordering purposes

- LSR - Local Service Request
- EU - End User
- Loop Service - Loop Information

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

<div align="center">

Business Rules for Combining Order, and Line Activity
for **Unbundled Loop**

</div>

<u>Order Activity Definition</u>

REQ TYP	ACT	Definition	Application	LNA	Forms required
AB	N	New Installation	New service installation of Unbundled loop at premises. This includes adding a new loop to an existing account.	N	LSR, EU, LS
	D	Disconnect	Disconnect Unbundled loop services at the circuit SBN (Special Billing Number) account level.	D	LSR, EU, LS
	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.	D,V, N	LSR, EU, LS
	Z	Conversion As Specified, No Directory Listing	Not Allowed	Not Applicable	
	C	Change	Where the customer has been converted to the Co-Provider prior to submission of the change request. For example Change of CFA or NC/NCI/SECNCI codes.	C	LSR, EU, LS

REQ TYP	ACT	Definition	Application	LNA	Forms required
AB	T	Outside Move	This involves the move of an end user premise within the same wire center.	T	LSR, EU, LS
	L	Seasonal Suspend	Not Allowed	Not Applicable	
	Y	Deny	Not Allowed	Not Applicable	
	B	Restore	Not Allowed	Not Applicable	
	R	Record	Not Allowed	Not Applicable	
	M	Inside Move	Inside Move at Account level.	M	LSR, EU, LS

Line Activity

LNA	Definition	Application
N	New Installation	An addition of a new line to the Co-Provider where all attributes of the service are specified. All required fields on the Loop Service form must be specified. A request for a simple unbundled loop with activity type of new installation (ACT=N) will no longer qualify for a quick loop interval. Rather, the standard interval for a regular unbundled loop will be used.
D	Disconnect	Disconnect of a line to the CLEC where all attributes of the service are specified.
V	Conversion As Specified	A conversion of a line to the Co-Provider where all attributes of the service are specified. All required fields on the Loop Service form must be specified.
C	Change	A change to a Loop with only the changed field populated.
T	Outside Move	This involves the move of an end user address within the same serving wire center.
M	Inside Move	Move physical termination within the same building (only in OR, IA or MN).
All Other LNA	Not Allowed	

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 Service Request	850LS
Loop Services Supplemental	860LS
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 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	850LS	PO	*Co-Provider TP ID*	**LS90**
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	860LS	PC	*Co-Provider TP ID*	**LS90**
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 Service	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 Unbundled Loop Service Request (850LS) – 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:
EU = End User
LS = Loop Services
LSR = Local Service Request
	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***NAN**$^{LSR-7a}$*NAN
REF*12***BAN1**$^{LSR-61}$*BAN1
REF*AO***APT CON**$^{LSR-15a}$
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**$^{LS-5}$*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*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**LS*****2W>**MANUAL IND**[LS-40a]
MTX****REMARKS***[LS-40]
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*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]
PID*S**TI*ANV***SO-RSQ***ANV***[EU-8a]
REF*IX***LOCNUM***[EU-7]**LOCNUM*
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]

Unbundled Loop (LS Form - Service Details Section)

PO1*n*1*EA***ZZ*LS   [PO1 Loop repeats LQTY[LS-5] times.]
SI*TI*SA*_LNA_[LS-9]
SI*TI*CM*CKR[LS-10]
SI*TI*CN*ECCKT[LS-13]
SI*TI*ND*DISC NBR[LS-30]
SI*TI*T6*TC OPT[LS-32]
PID*X**TI*CFA*CFA[LS-14]
PID*S**TI*AG***SO-RSQ*NIDR[LS-27]
REF*IX*LNUM[LS-8]*LNUM
REF*GP*TSP[LS-11]
REF*AE*SAN[LS-12]
DTM*376*TC PER{CCYYMMDD}[LS-37]
SLN*TCPRI*n*A*1*EA
SI*TI*TC*TC TO PRI[LS-33]
N1*TT*TC NAME[LS-33b]
REF*55*TCID[LS-33a]*PRI
SLN*TCSEC*n*A*1*EA   [SLN loop may repeat]
SI*TI*TC*TC TO SEC[LS-34]
N1*TT*TC NAME[LS-36]
REF*55*TCID[LS-35]*SEC
SLN*IW*n*A*IWJQ[LS-29]*EA****EQ*IWJK[LS-28] [SLN loop may repeat per Inside Wire Pair.]

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 Unbundled Loop Supplemental Service Request (860LS) - Version 4020

The 860LS is identical to the 850LS 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, LS*)   [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 Unbundled Loop Service Request (850LS)

Functional Group ID=PO

Introduction:

The 850LS will be used by the Co-Provider to initiate a Loop Service request to Qwest.

This implementation guideline references the following:
1. ANSI ASC X12 Version 4020
2. LSOG5 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.

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		
	3450	NX2	Location ID Component	O	>1		

			Req. Des.	Max.Use	Loop Repeat	Notes and Comments
	3600	PER	Administrative Communications Contact	O	>1	

					200
		LOOP ID - N1			
3100	N1	Name	O	1	

					200
		LOOP ID - N1			
3100	N1	Name	O	1	

					200
		LOOP ID - N1			
3100	N1	Name	O	1	
3600	PER	Administrative Communications Contact	O	>1	

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

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - PO1			100000	
M	0100	PO1	Baseline Item Data - End User Form (Location and Access Section)	M	1		n1
			LOOP ID - PID			1000	
	0500	PID	Product/Item Description	O	1		
	1000	REF	Reference Identification	O	>1		
			LOOP ID - 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 - LS Form (Unbundled Loop - Service Details Section)	M	1		n2
	0180	SI	Service Characteristic Identification	O	>1		
			LOOP ID - PID			1000	
	0500	PID	Product/Item Description	O	1		
	1000	REF	Reference Identification	O	>1		
	2100	DTM	Date/Time Reference	O	10		
			LOOP ID - SLN			>1	
	4700	SLN	Subline Item Detail	O	1		
	4800	SI	Service Characteristic Identification	O	>1		

			LOOP ID - N1			10	
	5350	N1	Name	O	1		
	5800	REF	Reference Identification	O	12		
			LOOP ID - SLN			>1	
	4700	SLN	Subline Item Detail	O	1		
	4800	SI	Service Characteristic Identification	O	>1		
			LOOP ID - N1			10	
	5350	N1	Name	O	1		
	5800	REF	Reference Identification	O	12		
			LOOP ID - SLN			>1	
	4700	SLN	Subline Item Detail	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*NAN (LSR-7a)*NAN
REF*12*BAN1 (LSR-61)*BAN1
REF*AO*APT CON (LSR-15a)
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	
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
NAN (LSR-7a) = New Account Number
BAN1 (LSR-61) = Billing Account Number 1
APT CON (LSR-15a) = Appointment Confirmation
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"
"NAN"
"BAN1"
"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 (LS-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 (LS-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*270*DATED{CCYYMMDD} (LSR-36)

Data Element Summary

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

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

097	Transaction Creation
150	Service Period Start
270	Date Filed

	DTM02	373	**Date**	X	DT 8/8

Date expressed as CCYYMMDD

D/TSENT (LSR-12) = Date Sent
DDD (LSR-14) = Desired Due Date
DATED (LSR-36) = Date of Agency Authorization

	DTM03	337	**Time**	X	TM 4/8

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

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

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

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

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

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

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

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

Segment: # SI Service Characteristic Identification

Position:	1850
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To specify service characteristic data
Syntax Notes:	1 If either SI04 or SI05 is present, then the other is required.
	2 If either SI06 or SI07 is present, then the other is required.
	3 If either SI08 or SI09 is present, then the other is required.
	4 If either SI10 or SI11 is present, then the other is required.
	5 If either SI12 or SI13 is present, then the other is required.
	6 If either SI14 or SI15 is present, then the other is required.
	7 If either SI16 or SI17 is present, then the other is required.
	8 If either SI18 or SI19 is present, then the other is required.
	9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:	
Comments:	1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:	SI*TI*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
  A= (DWS: N = New Installation)
  D= (DWS: D = Disconnect of entire account
  C= (DWS: C = Change)
  V= (DWS: V = Conversion as specified
  T= (DWS: T = Outside move (T/F) (within the same wire center)

M= (DWS: M = Inside Move (CO, IA, MN only)

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

SCA (LSR-34) = Special Construction Authorization
AGAUTH (LSR-35) = Agency Authorization Status
PENDING ORDER (LSR-108b) = Pending Order Indicator
CHC (LSR-22) = Coordinated Hot Cut
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*LS****2W>MANUAL IND (LS-40a)

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	
			"LS"	
	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 (LS-40a) = 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(LS-40)

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(LS-40) = 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

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

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

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

Data Element Summary

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

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

AG   Agent
CN   General Contact

PER02	93	**Name**	**O**	**AN 1/60**

Free-form name

INIT (LSR-81) = Initiator Identification
IMPCON (LSR-91) = Implementation Contact

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

Code identifying the type of communication number

TE   Telephone

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

Complete communications number including country or area code when applicable

TEL NO (LSR-82) = Telephone Number
TEL NO (LSR-92) = Telephone Number

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

Code identifying the type of communication number

BN   Beeper Number
FX   Facsimile

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

Complete communications number including country or area code when applicable

PAGER (LSR-93) = Pager Number
FAX NO (LSR-84) = Facsimile Number

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

Code identifying the type of communication number

EM   Electronic Mail

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

Complete communications number including country or area code when applicable

EMAIL (LSR-83) = Electronic Mail Address

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

Data Element Summary

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

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

Data Element Summary

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

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

Data Element Summary

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

Segment: # PER Administrative Communications Contact

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)

Segment: **PO1** Baseline Item Data - End User Form (Location and Access Section)

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

Data Element Summary

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

	Segment:	**PID** Product/Item Description

Position:	0500
Loop:	PID Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID04 is required.
	5 If PID09 is present, then PID05 is required.
Semantic Notes:	1 Use PID03 to indicate the organization that publishes the code list being referred to.
	2 PID04 should be used for industry-specific product description codes.
	3 PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
	4 PID09 is used to identify the language being used in PID05.
Comments:	1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.
	3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	PID*S**TI*ANV***SO-RSQ*ANV(EU-8a)

Data Element Summary

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

	Segment:	**REF** Reference Identification

Position:	1000
Loop:	PO1　　Mandatory
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify identifying information
Syntax Notes:	1　At least one of REF02 or REF03 is required.
	2　If either C04003 or C04004 is present, then the other is required.
	3　If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	1　REF04 contains data relating to the value cited in REF02.
Comments:	
Notes:	REF*IX*LOCNUM(EU-7)*LOCNUM

Data Element Summary

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

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

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 (LS-9)
SI*TI*CM*CKR (LS-10)
SI*TI*CN*ECCKT (LS-13)
SI*TI*ND*DISC NBR (LS-30)
SI*TI*T6*TC OPT (LS-32)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	SI01	559	**Agency Qualifier Code**	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	**Service Characteristics Qualifier**	M	AN 2/2
			Code from an industry code list qualifying the type of service characteristics		
			CM Local Service Providers Circuit Number		
			CN Circuit Number Identification		
			ND Disconnect Number		
			SA Service Activity		
			T6 Transfer of Calls Options		
M	SI03	234	**Product/Service ID**	M	AN 1/48
			Identifying number for a product or service		

LNA (LS-9) = Line Activity
   C= (DWS: C-Change account)
   A= (DWS: N-New Install)
   D= (DWS: D-Disconnect)
   V= (DWS: V-Conversion to new Co-Provider)
  RL= (DWS: M-Move physical termination w/in bldg)
   T= (DWS: T-Outside Move)
CKR (LS-10) = Customer Circuit Reference
ECCKT (LS-13) = Exchange Company Circuit ID
DISC NBR (LS-30) = Disconnect Telephone Number
TC OPT (LS-32) = Transfer of Call Options

	Segment:	**PID** Product/Item Description

Position:	0500
Loop:	PID Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID04 is required.
	5 If PID09 is present, then PID05 is required.
Semantic Notes:	1 Use PID03 to indicate the organization that publishes the code list being referred to.
	2 PID04 should be used for industry-specific product description codes.
	3 PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
	4 PID09 is used to identify the language being used in PID05.
Comments:	1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.
	3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	PID*X**TI*CFA*CFA (LS-14)
	PID*S**TI*AG***SO-RSQ*NIDR(LS-27)

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		
			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 (LS-14) = 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 (LS-27) - NID Request

	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(LS-8)*LNUM
REF*GP*TSP (LS-11)
REF*AE*SAN (LS-12)

Data Element Summary

Ref. Des. Attributes	Data Element	Name			
M **REF01**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**	
		Code qualifying the Reference Identification			
		AE Authorization for Expense (AFE) Number			
		GP Government Priority Number			
		IX Item Number			
REF02	**127**	**Reference Identification**	**X**	**AN 1/30**	
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
		LNUM (LS-8) = Line Number			
		TSP (LS-11) = Telecommunication Service Priority			
		SAN (LS-12) = Subscriber Authorization Number			
REF03	**352**	**Description**	**X**	**AN 1/80**	
		A free-form description to clarify the related data elements and their content			
		"LNUM"			

	Segment:	**DTM** Date/Time Reference

Position: 2100
Loop: PO1   Mandatory
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:
  1   At least one of DTM02 DTM03 or DTM05 is required.
  2   If DTM04 is present, then DTM03 is required.
  3   If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: DTM*376*TC PER {CCYYMMDD} (LS-37)

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 (LS-37) = Transfer of Calls Period		

Segment: # SLN Subline Item Detail

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

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

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

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

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

Data Element Summary

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

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

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

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

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

   EA   Each

	Segment:	**SI** Service Characteristic Identification

Position: 4800
Loop: SLN   Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify service characteristic data
Syntax Notes:
   1   If either SI04 or SI05 is present, then the other is required.
   2   If either SI06 or SI07 is present, then the other is required.
   3   If either SI08 or SI09 is present, then the other is required.
   4   If either SI10 or SI11 is present, then the other is required.
   5   If either SI12 or SI13 is present, then the other is required.
   6   If either SI14 or SI15 is present, then the other is required.
   7   If either SI16 or SI17 is present, then the other is required.
   8   If either SI18 or SI19 is present, then the other is required.
   9   If either SI20 or SI21 is present, then the other is required.
Semantic Notes:
Comments:
   1   SI01 defines the source for each of the service characteristics qualifiers.
Notes: SI*TI*TC*TC TO PRI (LS-33)

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 (LS-33) = 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 (LS-33b)

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 (LS-33b) = 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 (LS-33a)*PRI

Data Element Summary

Attributes	Ref. Des.	Data Element	Name		
M	REF01	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			55 Sequence Number		
	REF02	127	**Reference Identification**	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			TCID (LS-33a) = 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 (LS-34)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	SI01	559	**Agency Qualifier Code**	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	**Service Characteristics Qualifier**	M	AN 2/2
			Code from an industry code list qualifying the type of service characteristics		
			TC Transfer Announcement Number		
M	SI03	234	**Product/Service ID**	M	AN 1/48
			Identifying number for a product or service		
			TC TO SEC (LS-34) = 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 (LS-36)

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 (LS-36) = 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 (LS-35)*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 (LS-35) = 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 (LS-29)*EA****EQ*IWJK (LS-28) [SLN Loop repeats per Inside Wire 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 (LS-29) = 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 (LS-28) = Inside Wire Jack Code

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 Unbundled Loop Supplemental Service Request (860LS)

Functional Group ID=PC

Introduction:

The 860LS will be used by the Co-Provider to initiate an Unbundled Loop Supplemental Service request to Qwest.

This implementation guideline references the following:
1. ANSI ASC X12 Version 4020
2. LSOG5 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.

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		
	3500	PER	Administrative Communications Contact	O	>1		
			LOOP ID - N1			200	

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

Detail:

Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
		LOOP ID - POC			>1	
0100	POC	Line Item Change - End User Form (Location and Access Section)	O	1		
		LOOP ID - PID			1000	
0500	PID	Product/Item Description	O	1		
1000	REF	Reference Identification	O	>1		
		LOOP ID - 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 - LS Form (Unbundled Loop - 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 - 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	

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)		

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*NAN (LSR-7a)*NAN
> REF*12*BAN1 (LSR-61)*BAN1
> REF*AO*APT CON (LSR-15a)
> 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		
		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
> NAN (LSR-7a) = New Account Number
> BAN1 (LSR-61) = Billing Account Number 1
> APT CON (LSR-15a) = Appointment Confirmation
> 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"
"NAN"
"BAN1"
"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 (LS-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 (LS-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*270*DATED{CCYYMMDD} (LSR-36)

Data Element Summary

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

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

097	Transaction Creation
150	Service Period Start
270	Date Filed

	DTM02	373	**Date**		X	**DT 8/8**

Date expressed as CCYYMMDD

D/TSENT (LSR-12) = Date Sent
DDD (LSR-14) = Desired Due Date
DATED (LSR-36) = Date of Agency Authorization

	DTM03	337	**Time**		X	**TM 4/8**

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

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

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

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

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

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

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

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

Segment: # SI Service Characteristic Identification

Position:	1850
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To specify service characteristic data
Syntax Notes:	1 If either SI04 or SI05 is present, then the other is required.
	2 If either SI06 or SI07 is present, then the other is required.
	3 If either SI08 or SI09 is present, then the other is required.
	4 If either SI10 or SI11 is present, then the other is required.
	5 If either SI12 or SI13 is present, then the other is required.
	6 If either SI14 or SI15 is present, then the other is required.
	7 If either SI16 or SI17 is present, then the other is required.
	8 If either SI18 or SI19 is present, then the other is required.
	9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:	
Comments:	1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:	SI*TI*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
  A= (DWS: N = New Installation)
  D= (DWS: D = Disconnect of entire account
  C= (DWS: C = Change)
  V= (DWS: V = Conversion as specified
  T= (DWS: T = Outside move (T/F) (within the same wire center)

M= (DWS: M = Inside Move (CO, IA, MN only)

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

SCA (LSR-34) = Special Construction Authorization
AGAUTH (LSR-35) = Agency Authorization Status
PENDING ORDER (LSR-108b) = Pending Order Indicator
CHC (LSR-22) = Coordinated Hot Cut
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*LS****2W>MANUAL IND (LS-40a)

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		
			"LS"		
	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 (LS-40a) = 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(LS-40)	

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(LS-40) = 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			

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

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

Data Element Summary

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

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

Complete communications number including country or area code when applicable

EMAIL (LSR-83) = Electronic Mail Address

			Segment:	**N1** Name

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

Data Element Summary

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

Segment:	**N1** Name		

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

Data Element Summary

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

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

Data Element Summary

	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:	**PID** Product/Item Description				

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

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

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

Notes: PID*S**TI*ANV***SO-RSQ*ANV(EU-8a)

Data Element Summary

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

	Segment:	**REF** Reference Identification		

Position: 1000
Loop: POC   Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:
    1   At least one of REF02 or REF03 is required.
    2   If either C04003 or C04004 is present, then the other is required.
    3   If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
    1   REF04 contains data relating to the value cited in REF02.
Comments:
Notes: REF*IX*LOCNUM(EU-7)*LOCNUM

Data Element Summary

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

Segment:	**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 - LS Form (Unbundled Loop - 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*LS [POC Loop repeats LQTY (LS-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		
		"LS"		

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 (LS-9)
	SI*TI*CM*CKR (LS-10)
	SI*TI*CN*ECCKT (LS-13)
	SI*TI*ND*DISC NBR (LS-30)
	SI*TI*T6*TC OPT (LS-32)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	SI01	559	**Agency Qualifier Code**	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	**Service Characteristics Qualifier**	M	AN 2/2
			Code from an industry code list qualifying the type of service characteristics		
			CM Local Service Providers Circuit Number		
			CN Circuit Number Identification		
			ND Disconnect Number		
			SA Service Activity		
			T6 Transfer of Calls Options		
M	SI03	234	**Product/Service ID**	M	AN 1/48
			Identifying number for a product or service		

LNA (LS-9) = Line Activity
  C= (DWS: C-Change account)
  A= (DWS: N-New Install)
  D= (DWS: D-Disconnect)
  V= (DWS: V-Conversion to new Co-Provider)
 RL= (DWS: M-Move physical termination w/in bldg)
  T= (DWS: T-Outside Move)
CKR (LS-10) = Customer Circuit Reference
ECCKT (LS-13) = Exchange Company Circuit ID
DISC NBR (LS-30) = Disconnect Telephone Number
TC OPT (LS-32) = Transfer of Call Options

Segment:	**PID** Product/Item Description		

Position: 0500
Loop: PID   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To describe a product or process in coded or free-form format
Syntax Notes:
   1   If PID04 is present, then PID03 is required.
   2   At least one of PID04 or PID05 is required.
   3   If PID07 is present, then PID03 is required.
   4   If PID08 is present, then PID04 is required.
   5   If PID09 is present, then PID05 is required.
Semantic Notes:
   1   Use PID03 to indicate the organization that publishes the code list being referred to.
   2   PID04 should be used for industry-specific product description codes.
   3   PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
   4   PID09 is used to identify the language being used in PID05.
Comments:
   1   If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
   2   Use PID06 when necessary to refer to the product surface or layer being described in the segment.
   3   PID07 specifies the individual code list of the agency specified in PID03.
Notes: PID*X**TI*CFA*CFA (LS-14)
PID*S**TI*AG***SO-RSQ*NIDR(LS-27)

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		
		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 (LS-14) = 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 (LS-27) - NID Request

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(LS-8)*LNUM
REF*GP*TSP (LS-11)
REF*AE*SAN (LS-12)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	REF01	128	**Reference Identification Qualifier**	M	**ID 2/3**
			Code qualifying the Reference Identification		
			AE Authorization for Expense (AFE) Number		
			GP Government Priority Number		
			IX Item Number		
	REF02	127	**Reference Identification**	X	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			LNUM (LS-8) = Line Number TSP (LS-11) = Telecommunication Service Priority SAN (LS-12) = Subscriber Authorization Number		
	REF03	352	**Description**	X	**AN 1/80**
			A free-form description to clarify the related data elements and their content		
			"LNUM"		

Segment:	**DTM** Date/Time Reference				

Position: 2000
Loop: POC   Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:
   1 At least one of DTM02 DTM03 or DTM05 is required.
   2 If DTM04 is present, then DTM03 is required.
   3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: DTM*376*TC PER {CCYYMMDD} (LS-37)

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 (LS-37) = Transfer of Calls Period		

SLN Subline Item Detail

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

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

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

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

Notes: SLN*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 (LS-33)

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 (LS-33) = 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 (LS-33b)			

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 (LS-33b) = Transfer of Call 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 (LS-33a)*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 (LS-33a) = 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:** | $\mathbf{SLN}$ Subline Item Detail | |

Segment: # SLN Subline Item Detail

Position: 4600
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify product subline detail item data
Syntax Notes:
1 If either SLN04 or SLN05 is present, then the other is required.
2 If SLN07 is present, then SLN06 is required.
3 If SLN08 is present, then SLN06 is required.
4 If either SLN09 or SLN10 is present, then the other is required.
5 If either SLN11 or SLN12 is present, then the other is required.
6 If either SLN13 or SLN14 is present, then the other is required.
7 If either SLN15 or SLN16 is present, then the other is required.
8 If either SLN17 or SLN18 is present, then the other is required.
9 If either SLN19 or SLN20 is present, then the other is required.
10 If either SLN21 or SLN22 is present, then the other is required.
11 If either SLN23 or SLN24 is present, then the other is required.
12 If either SLN25 or SLN26 is present, then the other is required.
13 If either SLN27 or SLN28 is present, then the other is required.
Semantic Notes:
1 SLN01 is the identifying number for the subline item.
2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.
Comments:
1 See the Data Element Dictionary for a complete list of IDs.
2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes: SLN*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 (LS-34)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	SI01	559	**Agency Qualifier Code**	M	ID 2/2
			Code identifying the agency assigning the code values		
			"IW"		
			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 (LS-34) = 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 (LS-36)

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 (LS-36) = Transfer of Calls To Name		

			Segment:	**REF** Reference Identification

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 (LS-35)*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 (LS-35) = 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 (LS-29)*EA****EQ*IWJK (LS-28) [SLN loop repeats per Inside Wire 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 (LS-29) = 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 (LS-28) = Inside Wire Jack Code

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		

		SE Transaction Set Trailer
Segment:		

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		