

DS1 DID-PBX Trunk Port Facility

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35. DS1 DID-PBX Trunk Port Facility

35.1 Business Description

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

The DS1 DID/PBX service is provided on a DS1 facility that is multiplexed into 24 channels. Therefore two sets of service orders are required: one for the Trunk Port Facility and another for the Trunk. Information regarding the trunk order can be found in the DSI DID PBX Trunk chapter.

The following forms will be used between Qwest and the CLEC for Unbundled DS1 DID/PBX Trunk Port Facility ordering purposes:

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

The following Order Activity Matrices define the available Order and Line Activities for Unbundled DS1 DID/PBX Trunk Port Facility:

Business Rules for Combining Order and Line Activities for Unbundled DS1 DID/PBX Trunk Port Facility

Order Activity Definition

Req Type	ACT	Definition	Application	LNA	Forms required
FB	N	New Installation	New service at premises.	N	LSR, EU, LS
	D	Disconnect	Disconnect all services at the account level	D	LSR, EU, LS (conditional)
	W	Conversion As Is	Not Allowed	Not Allowed	
	V	Conversion As Specified	Not Allowed	Not Allowed	
	Z	Conversion As Specified, No Directory Listing	Change LSP with change to DS1 DID PBX Trunk Port Facility service and no change to Directory Listing	N, V, D	LSR, EU, LS
	C	Change	Change to existing service, or add/remove line(s) to existing service/account	N, D, C	LSR, EU, LS
	T	Outside Move	Not Allowed	Not Allowed	
	L	Seasonal Suspend	Not Allowed	Not Allowed	
	Y	Deny	Not Allowed	Not Allowed	
	B	Restore	Not Allowed	Not Allowed	
	R	Record	Not Allowed	Not Allowed	
M	Inside Move	Not Allowed	Not Allowed		

Line Activities

LNA	Definition	Application
N	New Line.	New line at premises.
D	Line Disconnect.	Disconnect line
V	Line Conversion As Specified	Change LSP with changes to line
C	Change	Existing Line Changes
All Other LNA	Not Allowed	

35.2 Business Model

See Appendix H

35.3 Developer Worksheets

See Appendices B and C – Developer Worksheets - Order

35.4 Trading Partner Access Information

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

Order Submittal

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

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

35.4.1 OVERVIEW: Qwest Specific Functional Group Envelope - Routing Information

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

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

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

35.4.2 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)

35.4.3 GS TABLE INFORMATION

ANSI X12 GS and GE segment definitions:

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

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

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

GS Table

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

ORDERING FUNCTION	Qwest SEND/ RECEIVE	DOCUMENT	GS01 VALUE	GS02 VALUE	GS03 VALUE
Service Request	Receive	850UDTF	PO	<i>Co-Provider TP ID</i>	UDTF90
Status Update – Auto Push	Send	855SU	PR	SU90	<i>Co-Provider TP ID</i>
Firm Order Confirmation	Send	855FOC	PR	FOC90	<i>Co-Provider TP ID</i>
Non Fatal Error Response	Send	855NF	PR	NF90	<i>Co-Provider TP ID</i>
Fatal Error Response	Send	855FATAL	PR	FATAL90	<i>Co-Provider TP ID</i>
Jeopardy	Send	865JEOP	CA	JEOP90	<i>Co-Provider TP ID</i>
Completion	Send	865COMP	CA	COMP90	<i>Co-Provider TP ID</i>

Supplemental Order

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

GS Table (Supplemental)

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

ORDERING FUNCTION	Qwest SEND/ RECEIVE	DOCUMENT	GS01 VALUE	GS02 VALUE	GS03 VALUE
Supplemental	Receive	860UDTF	PC	<i>Co-Provider TP ID</i>	UDTF90
Status Update – Auto Push	Send	855SU	PR	SU90	<i>Co-Provider TP ID</i>
Firm Order Confirmation	Send	865FOC	CA	FOC90	<i>Co-Provider TP ID</i>
Non Fatal Error Response	Send	865NF	CA	NF90	<i>Co-Provider TP ID</i>
Fatal Error Response	Send	865FATAL	CA	FATAL90	<i>Co-Provider TP ID</i>
Jeopardy	Send	865JEOP	CA	JEOP90	<i>Co-Provider TP ID</i>
Completion	Send	865COMP	CA	COMP90	<i>Co-Provider TP ID</i>

35.4.4 MAPPING EXAMPLE AND DATA DICTIONARY ITEMS

Purchase Order (PO) Date

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

Time Code

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

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

4020 Exceptions

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

- SLN loop maximum use has been changed to >1

Delimiters

The following delimiters will be used:

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

Qwest Specific Fields

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

Industry Standards Table:

OBF FORM	OBF ISSUE	EDI SOSC ISSUE	X12 STANDARD
End User	LSOG 5 and LSOG 3 (When Applicable)	ELMS 5	004020
Local Service Request	LSOG 5	ELMS 5	004020
Resale	LSOG 5	ELMS 5	004020
Directory Listing	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

35.5 Mapping Examples

35.5.1 850 UNBUNDLED DS1 DID/PBX TRUNK PORT FACILITY Service Request (850UDTF) – Version 4020

Legend of Symbols in this transaction example

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

ST*850*TRAN SET CONTROL #
 BEG*00*SS***PON**^{LSR-2**}PO Date(See Trading Partner Access Information)
 REF*11***AN**^{LSR-7*}AN
 REF*11***EAN**^{EU-40*}EAN
 REF*12***BAN1**^{LSR-61*}BAN1
 REF*JB***PROJECT**^{LSR-20}
 REF*SU***RTR**^{LSR-28*}RTR
 REF*CO***RPON**^{LSR-51*}RPON
 REF*1V***RORD**^{LSR-52*}RORD
 PAM*T5***LOCQTY**^{LSR-5*}EA
 PAM*48***PG_of**^{LSR-10}(1st 2 Bytes)*EA
 PAM*47***PG_of**^{LSR-10}(2nd 2 Bytes)*EA
 PAM*KC***DQTY**^{EU-5*}EA
 PAM*63***LQTY**^{LS-5*}EA
 SAC*N**TI*EXP
 DTM*097***D/TSENT**{CCYYMMDD}^{LSR-12*}**D/TSENT**{HHMM}^{LSR-12} [If this segment appears then **EXP**^{LSR-26} = "Y"]
 DTM*150***DDD**{CCYYMMDD}^{LSR-14***}TM***APPTIME**{HHMM}^{LSR-15}
 DTM*992***TM*****DFDT**{HHMM}^{LSR-19}
 DTM*270***DATED**{CCYYMMDD}^{LSR-36}
 SI*TI*RE***REQTYP**^{LSR-23}
 SI*TI*AA***ACT**^{LSR-24}
 SI*TI*PW***PORTTYP**^{LSR-38}
 SI*TI*LO***LST**^{LSR-42}
 SI*TI*TY***TOS**^{LSR-44}

SI*TI*NC***NC**^{LSR-46}
 SI*TI*NI***NCI**^{LSR-48}
 PID*S**TI*AH***SO-RSQ***CHC**^{LSR-22}
 PID*S**TI*CONVIND***SO-RSQ***CONVIND**^{LSR-24a}
 PID*S**TI*AO***SO-RSQ***AGAUTH**^{LSR-35}
 PID*S**TI*BI***SO-RSQ***FBI**^{EU-42}
 PID*S**TI*PENDING***SO-RSQ***PENDING ORDER**^{LSR-108b}
 PWK*DW*NS*1*DG*91***DRC**^{LSR-98}
 N9*H7*ORI*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***APO**^{LSR-41}
 PER*AG***INT**^{LSR-81}*TE***TEL NO**^{LSR-82}*FX***FAX NO**^{LSR-84}*EM***EMAIL**^{LSR-83}
 PER*CN***IMPCON**^{LSR-91}*TE***TEL NO**^{LSR-92}*BN***PAGER**^{LSR-93}
 N1*AN***AUTHNM**^{LSR-37}
 N1*BT**92***ACNA**^{LSR-64}
 N1*DG***DSGCON**^{LSR-97}
 PER*DE**FX***FAX NO**^{LSR-100}
 N1*X1***BILLNM**^{EU-43}
 N2***SBILLNM**^{EU-44}
 N4****STATE**^{EU-49}***ZIP**^{EU-50}
 NX2*01***SANO**^{EU-45b}
 NX2*02***SASN**^{EU-45e}
 NX2*03***SASD**^{EU-45d}
 NX2*07***CITY**^{EU-48}
 NX2*32***FLOOR**^{EU-46}
 NX2*35***ROOM/MAIL STOP**^{EU-47}
 NX2*40***SASS**^{EU-45g}
 NX2*59***SAPR**^{EU-45a}
 NX2*61***SASF**^{EU-45c}
 NX2*62***SATH**^{EU-45f}
 PER*BI***BILLCON**^{EU-51}*TE***TEL NO**^{EU-52}
 SI*TI*AF***AFT**^{EU-44a}

End User Form (Location and Access Section)

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

NX2*62*SATH^{EU-15}
 NX2*LD1^{EU-17}*LV1^{EU-18}
 NX2*LD2^{EU-19}*LV2^{EU-20}
 NX2*LD3^{EU-21}*LV3^{EU-22}
 SI*TI*AF*AFT^{EU-9}
 N1*ZE*CPE MFR^{EU-32}
 REF*MJ*CPE MOD^{EU-33}

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}
 PID*X**TI*CFA*CFA^{LS-14}
 REF*IX*LOCNUM^{LS-7}*LOCNUM
 REF*IX*LNUM^{LS-8}*LNUM
 REF*GP*TSP^{LS-11}
 REF*AE*SAN^{LS-12}

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 #

35.5.2 UDTF 860 SUPP – Specific Fields – Version 4020

The 860UDTF is identical to the 850UDTF 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" or "LS"

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

CTT*Number of POC Segments

SE*Number of Segments*TRAN SET CONTROL #

35.6 DATA DICTIONARY

35.6.1 850 Unbundled DS1 DID/PBX Trunk Port Facility Service Request (850UDTF)

Functional Group ID=**PO**

Introduction:

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

This implementation guideline references the following:

1. LSOG 5, when applicable, and Qwest assigned fields
2. ANSI ASC X12 Version 4020
3. TCIF/SOSC Guidelines, ELMS 5

Notes:

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

Heading:

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

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

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Notes and RepeatComments</u>	
LOOP ID - PO1							100000
M	0100	PO1	Baseline Item Data - End User Form (Location and Access Section)	M	1	n1	
LOOP ID - PID							1000
	0500	PID	Product/Item Description	O	1		
	1000	REF	Reference Identification	O	>1		
LOOP ID - N1							200
	3500	N1	Name	O	1		
	3800	N4	Geographic Location	O	1		
	3850	NX2	Location ID Component	O	>1		
	4050	SI	Service Characteristic Identification	O	>1		
LOOP ID - N1							200
	3500	N1	Name	O	1		
	3900	REF	Reference Identification	O	12		
LOOP ID - PO1							100000
M	0100	PO1	Baseline Item Data - Unbundled Loop Form (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		
LOOP ID - PO1							100000
M	0100	PO1	Baseline Item Data - Dummy (DD)	M	1	n3	

Summary:

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

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

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

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

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

Data Element Summary

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

Segment: **REF** Reference Identification

Position: 0500

Loop:

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To specify identifying information

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

Comments:

Notes:

```
REF*11*AN(LSR-7)*AN
REF*11*EAN(EU-40)*EAN
REF*12*BAN1(LSR-61)*BAN1
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.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
<u>Attributes</u>			
M	REF01	128	Reference Identification Qualifier M ID 2/3
			Code qualifying the Reference Identification
		11	Account Number Number identifies a telecommunications industry account
		12	Billing Account Account number under which billing is rendered
		1V	Related Vendor Order Number A vendor's order number that is in addition to a primary order number
		CO	Customer Order Number
		JB	Job (Project) Number
		SU	Special Processing Code Unique code identifying the special handling requirements for the claim
	REF02	127	Reference Identification X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier
			AN (LSR-7) = Account Number EAN (EU-40) = Existing Account Number BAN1 (LSR-61) = Billing Account Number 1 PROJECT (LSR-20) = Project Identification RTR (LSR-28) = Response Type Requested RPON (LSR-51) = Related Purchase Order Number RORD(LSR-52) = Related Order Number
	REF03	352	Description X AN 1/80
			A free-form description to clarify the related data elements and their content

"AN"
"EAN"
"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*T5*LOCQTY(LSR-5)*EA
PAM*48*PG_of_(LSR-10)(1st 2 Bytes)*EA
PAM*47*PG_of_(LSR-10)(2nd 2 Bytes)*EA
PAM*KC*DQTY(EU-5)*EA
PAM*63*LQTY(LS-5)*EA

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
Attributes				
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		
		KC Net Quantity Decrease		
		The resultant quantity represents a net decrease to a previously transmitted quantity, after adjustments have been made		
		T5 Total Number of Units		
PAM02	380	Quantity	X	R 1/15
		Numeric value of quantity		
		LOCQTY (LSR-5) = Location Quantity		
		First 2 bytes of PG_of_ (LSR-10)		
		Second 2 bytes of PG_of_ (LSR-10)		
		DQTY (EU-5) = Disconnect Quantity		
		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"]

Data Element Summary

Ref.	Data	Element	Name	
<u>Des.</u>				
<u>Attributes</u>				
M	SAC01	248	Allowance or Charge Indicator	M ID 1/1
			Code which indicates an allowance or charge for the service specified	

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

Segment: **DTM** Date/Time Reference

Position: 1500

Loop:

Level: Heading

Usage: Optional

Max Use: 10

Purpose: To specify pertinent dates and times

- Syntax Notes:**
- 1 At least one of DTM02 DTM03 or DTM05 is required.
 - 2 If DTM04 is present, then DTM03 is required.
 - 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Notes:

```
DTM*097*D/TSENT{CCYYMMDD}(LSR-12)*D/TSENT{HHMM}(LSR-12)
DTM*150*DDD{CCYYMMDD}(LSR-14)**TM*APPTIME{HHMM}(LSR-15)
DTM*992**TM*DFDT{HHMM}(LSR-19)
DTM*270*DATED{CCYYMMDD}(LSR-36)
```

Data Element Summary

Ref.	Data Element	Name		
M	<u>DTM01</u>	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			097 Transaction Creation	
			150 Service Period Start	
			270 Date Filed	
			992 Date Requested	
	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
			D/TSENT (LSR-12) = Date Sent	
			DDD (LSR-14) = Desired Due Date	
			DATED (LSR-36) = Date of Agency Authorization	
	DTM03	337	Time	X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
			D/TSENT{HHMM} (LSR-12) = Time Sent	
	DTM05	1250	Date Time Period Format Qualifier	X ID 2/3
			Code indicating the date format, time format, or date and time format	
			TM Time Expressed in Format HHMM	
			Time expressed in the format HHMM where HH is the numerical expression of hours in the day based on a twenty-four hour clock and MM is the numerical expression of minutes within an hour	
	DTM06	1251	Date Time Period	X AN 1/35
			Expression of a date, a time, or range of dates, times or dates and times	
			APPTIME{HHMM} (LSR-15) = Appointment Time	
			DFDT{HHMM} (LSR-19) = Desired Frame Due Time	

Segment: **SI** Service Characteristic Identification

Position: 1850

Loop:

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To specify service characteristic data

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

Semantic Notes:

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

Notes:

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

Data Element Summary

	Ref. Des.	Data Element	Name		
M	SI01	559	Agency Qualifier Code Code identifying the agency assigning the code values TI Telecommunications Industry	M	ID 2/2
M	SI02	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics AA Account Activity LO Local Exchange Carrier Serving Office NC Network Channel NI Network Channel Interface PW Port Type RE Requisition Type TY Type of Service	M	AN 2/2
M	SI03	234	Product/Service ID Identifying number for a product or service ACT (LSR-24) = Activity A=(DWS : N-New Installation) D=(DWS : D-Disconnect of Entire Account) Z=(DWS : Z-Conversion As Spec/No Listing) C=(DWS : C-Change)	M	AN 1/48

REQTYP (LSR-23) = Requisition Type and Status
PORTTYP(LSR-38) = Port Type
LST(LSR-42) = Local Service Termination
TOS (LSR-44) = Type of Service
NC (LSR-46) = Network Channel Code
NCI (LSR-48) = Network Channel Interface Code

Segment: **PID** Product/Item Description

Position: 1900

Loop:

Level: Heading

Usage: Optional

Max Use: 200

Purpose: To describe a product or process in coded or free-form format

Syntax Notes:

- 1 If PID04 is present, then PID03 is required.
- 2 At least one of PID04 or PID05 is required.
- 3 If PID07 is present, then PID03 is required.
- 4 If PID08 is present, then PID04 is required.
- 5 If PID09 is present, then PID05 is required.

Semantic Notes:

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

Comments:

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

Notes:

```
PID*S**TI*AH***SO-RSQ*CHC(LSR-22)
PID*S**TI*CONVIND***SO-RSQ*CONVIND(LSR-24a)
PID*S**TI*AO***SO-RSQ*AGAUTH(LSR-35)
PID*S**TI*BI***SO-RSQ*FBI(EU-42)
PID*S**TI*PENDING***SO-RSQ*PENDING ORDER (LSR-108b)
```

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	PID01	349	Item Description Type Code indicating the format of a description S Structured (From Industry Code List)	M	ID 1/1
	PID03	559	Agency Qualifier Code Code identifying the agency assigning the code values TI Telecommunications Industry	X	ID 2/2
	PID04	751	Product Description Code A code from an industry code list which provides specific data about a product characteristic AH Coordinated Hot Cut AO Agency Authorization Status BI Final Bill Information Indicator CONVIND Conversion Indicator PENDING Pending Order	X	AN 1/12

PID07	822	Source Subqualifier	O AN 1/15
		A reference that indicates the table or text maintained by the Source Qualifier	
		SO-RSQ	Service Order - Reseller Questions list
PID08	1073	Yes/No Condition or Response Code	O ID 1/1
		Code indicating a Yes or No condition or response	
		CONVIND (LSR-24a) = Conversion Indicator	
		Y=(DWS : F-Full)	
		N=(DWS : P-Partial)	
		FBI (EU-42) = Final Bill Information Indicator	
		N=(DWS : E-Existing (Default))	
		Y=(DWS : D-Different)	
		CHC (LSR-22) = Coordinated Hot Cut	
		AGAUTH (LSR-35) = Agency Authorization Status	
		PENDING ORDER (LSR-108b) = Pending Order Indicator	

Segment: **PWK** Paperwork
 Position: 2100
 Loop:
 Level: Heading
 Usage: Optional
 Max Use: 25
 Purpose: To identify the type or transmission or both of paperwork or supporting information

- Syntax Notes:** 1 If either PWK05 or PWK06 is present, then the other is required.
Semantic Notes:
Comments: 1 PWK05 and PWK06 may be used to identify the addressee by a code number.
 2 PWK07 may be used to indicate special information to be shown on the specified report.
 3 PWK08 may be used to indicate action pertaining to a report.
Notes: PWK*DW*NS*1*DG*91*DRC(LSR-98)

Data Element Summary

Ref.	Data Element	Name		
M	<u>Attributes</u> PWK01	755	Report Type Code	M ID 2/2
			Code indicating the title or contents of a document, report or supporting item DW Drawing(s)	
	PWK02	756	Report Transmission Code	O ID 1/2
			Code defining timing, transmission method or format by which reports are to be sent NS Not Specified Indicates that a report will be transmitted via a nonspecified medium	
	PWK03	757	Report Copies Needed	O NO 1/2
			The number of copies of a report that should be sent to the addressee 1 Always One	
	PWK04	98	Entity Identifier Code	O ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual DG Design Engineering Identifies the design engineer or office of the design engineer who will receive design specifications	
	PWK05	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67) 91 Assigned by Seller or Seller's Agent	
	PWK06	67	Identification Code	X AN 2/80
			Code identifying a party or other code DRC (LSR-98) = Design Routing Code	

Segment: N9 Reference Identification

Position: 2950

Loop: N9 Optional

Level: Heading

Usage: Optional

Max Use: 1

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

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

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

Comments:

Notes: N9*H7*ORI*LS****2W>MANUAL IND(LS-40a)

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification H7 Standard Clause	M	ID 2/3
	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ORI Order Instructions	X	AN 1/30
	N903	369	Free-form Description Free-form descriptive text	X	AN 1/45
	N907	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O	
M	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification 2W Change Order Authority	M	ID 2/3
M	C04002	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier MANUAL IND (LS-40a) = Manual Indicator	M	AN 1/30

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

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

Semantic Notes:

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

Comments:

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

Notes: MTX**REMARKS(LS-40)

Data Element Summary

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

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

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

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

Semantic Notes:

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

Comments:

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

Notes: MTX**REMARKS(LSR-108)

Data Element Summary

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

Segment: **N9 Reference Identification**

Position: 2950

Loop: N9 Optional

Level: Heading

Usage: Optional

Max Use: 1

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

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

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

Comments:

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

Data Element Summary

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

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

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

Semantic Notes:

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

Comments:

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

Notes: MTX**REMARKS(EU-63)

Data Element Summary

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

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

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

Semantic Notes:
Comments:

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

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

Data Element Summary

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

Segment: **NX2** Location ID Component

Position: 3450

Loop: N1 Optional

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To define types and values of a geographic location

Syntax Notes:

Semantic Notes:

Comments:

Notes: NX2*91*APOT(LSR-41)

Data Element Summary

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

Segment: **PER Administrative Communications Contact**

Position: 3600

Loop: N1 Optional

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To identify a person or office to whom administrative communications should be directed

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

Semantic Notes:

Comments:

Notes:

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

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

Data Element Summary

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

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

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

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

Semantic Notes:
Comments:

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

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

Data Element Summary

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

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

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

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

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

Semantic Notes:
Comments:

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

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

Data Element Summary

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

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

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

Semantic Notes:
Comments:

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

Data Element Summary

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

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

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

Semantic Notes:
Comments:

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

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

Data Element Summary

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

Segment: **N2** Additional Name Information

Position: 3200

Loop: N1 Optional

Level: Heading

Usage: Optional

Max Use: 2

Purpose: To specify additional names

Syntax Notes:

Semantic Notes:

Comments:

Notes: N2*SBILLNM(EU-44)

Data Element Summary

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

Segment: **N4 Geographic Location**

Position: 3400

Loop: N1 Optional

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To specify the geographic place of the named party

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

Semantic Notes:

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

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

Data Element Summary

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

Segment: **NX2** Location ID Component

Position: 3450

Loop: N1 Optional

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To define types and values of a geographic location

Syntax Notes:

Semantic Notes:

Comments:

Notes:

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

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	
M	NX201	1106	Address Component Qualifier	M ID 2/2
			Code qualifying the type of address component	
			01 Street Number	
			02 Street Name	
			03 Prefix Direction	
			07 City Name	
			32 Floor	
			A particular floor or level of a building	
			35 Room	
			A walled room or partitioned area of a building	
			40 Street Suffix	
			59 Street Number Low	
			61 Street Number Fraction	
			62 Street Name Suffix	
M	NX202	166	Address Information	M AN 1/55
			Address information	
			SANO (EU-45b) = Service Address Number	
			SASN (EU-45e) = Service Address Street Name	
			SASD (EU-45d) = Service Address Street Directional Prefix	
			CITY (EU-48) = City	
			FLOOR (EU-46) = Floor	
			ROOM/MAIL STOP (EU-47) = Room/Mail Stop	
			SASS (EU-45g) = Service Address Street Directional Suffix	
			SAPR (EU-45a) = Service Address Number Prefix	
			SASF (EU-45c) = Street Address Number Suffix	
			SATH (EU-45f) = Service Address Street Type	

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

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

Semantic Notes:
Comments:

Notes: PER*BI*BILLCON(EU-51)*TE*TEL NO(EU-52)

Data Element Summary

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

Segment: **SI Service Characteristic Identification**

Position: 3650

Loop: N1 Optional

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To specify service characteristic data

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

Semantic Notes:

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

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

Data Element Summary

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

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

Position: 0100
Loop: PO1 Mandatory

Level: Detail

Usage: Mandatory

Max Use: 1

Purpose: To specify basic and most frequently used line item data

- Syntax Notes:**
- 1 If PO103 is present, then PO102 is required.
 - 2 If PO105 is present, then PO104 is required.
 - 3 If either PO106 or PO107 is present, then the other is required.
 - 4 If either PO108 or PO109 is present, then the other is required.
 - 5 If either PO110 or PO111 is present, then the other is required.
 - 6 If either PO112 or PO113 is present, then the other is required.
 - 7 If either PO114 or PO115 is present, then the other is required.
 - 8 If either PO116 or PO117 is present, then the other is required.
 - 9 If either PO118 or PO119 is present, then the other is required.
 - 10 If either PO120 or PO121 is present, then the other is required.
 - 11 If either PO122 or PO123 is present, then the other is required.
 - 12 If either PO124 or PO125 is present, then the other is required.

Semantic Notes:

- Comments:**
- 1 See the Data Element Dictionary for a complete list of IDs.
 - 2 PO101 is the line item identification.
 - 3 PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: PO1*n*1*EA***ZZ*EU_SA [PO1 Loop may repeat]

Data Element Summary

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

Segment: **PID** Product/Item Description

Position: 0500

Loop: PID Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To describe a product or process in coded or free-form format

Syntax Notes:

- 1 If PID04 is present, then PID03 is required.
- 2 At least one of PID04 or PID05 is required.
- 3 If PID07 is present, then PID03 is required.
- 4 If PID08 is present, then PID04 is required.
- 5 If PID09 is present, then PID05 is required.

Semantic Notes:

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

Comments:

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

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

Data Element Summary

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

Segment: **REF** Reference Identification

Position: 1000

Loop: PO1 Mandatory

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify identifying information

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

Comments:

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

Data Element Summary

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

Segment: **N1** Name
Position: 3500
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:

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

Semantic Notes:
Comments:

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

Notes: N1*IT*NAME(EU-8)

Data Element Summary

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

Segment: **N4 Geographic Location**

Position: 3800

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify the geographic place of the named party

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

Semantic Notes:

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

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

Data Element Summary

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

Segment: **NX2** Location ID Component

Position: 3850

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To define types and values of a geographic location

Syntax Notes:

Semantic Notes:

Comments:

Notes:

NX2*01*SANO(EU-11)
 NX2*02*SASN(EU-14)
 NX2*03*SASD(EU-13)
 NX2*05*BOX(EU-23c)
 NX2*06*ROUTE(EU-23b)
 NX2*07*CITY(EU-24)
 NX2*39*AHN(EU-23a)
 NX2*40*SASS(EU-16)
 NX2*59*SAPR(EU-10)
 NX2*61*SASF(EU-12)
 NX2*62*SATH(EU-15)
 NX2*LD1 (EU-17)*LV1 (EU-18)
 NX2*LD2 (EU-19)*LV2 (EU-20)
 NX2*LD3 (EU-21)*LV3 (EU-22)

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	
M	Attributes NX201	1106	Address Component Qualifier Code qualifying the type of address component	M ID 2/2
			LD1(EU-17) = Location Designator 1 13=(DWS : APT) 34=(DWS: LOT) 35=(DWS: RM) 36=(DWS: SLIP) 37=(DWS: UNIT) 14=(DWS: SUIT)	
			LD2(EU-19) = Location Designator 2 32=(DWS : FLR)	
			LD3(EU-21) = Location Designator 3 12=(DWS : BLDG) 63=(DWS: WNG) 30=(DWS: PIER)	
			01 Street Number	
			02 Street Name	
			03 Prefix Direction	
			05 P.O. Box Number	
			06 Rural Route Number	
			07 City Name	

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

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

Address information

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

Segment: **SI Service Characteristic Identification**

Position: 4050

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify service characteristic data

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

Semantic Notes:

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

Notes: SI*TI*AF*AFT (EU-9)

Data Element Summary

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

Segment: **N1** Name
Position: 3500
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:

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

Semantic Notes:
Comments:

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

Notes: N1*ZE*CPE MFR(EU-32)

Data Element Summary

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

Segment: **REF** Reference Identification

Position: 3900

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: 12

Purpose: To specify identifying information

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

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

Comments:

Notes: REF*MJ*CPE MOD(EU-33)

Data Element Summary

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

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

Position: 0100
Loop: PO1 Mandatory

Level: Detail

Usage: Mandatory

Max Use: 1

Purpose: To specify basic and most frequently used line item data

- Syntax Notes:**
- 1 If PO103 is present, then PO102 is required.
 - 2 If PO105 is present, then PO104 is required.
 - 3 If either PO106 or PO107 is present, then the other is required.
 - 4 If either PO108 or PO109 is present, then the other is required.
 - 5 If either PO110 or PO111 is present, then the other is required.
 - 6 If either PO112 or PO113 is present, then the other is required.
 - 7 If either PO114 or PO115 is present, then the other is required.
 - 8 If either PO116 or PO117 is present, then the other is required.
 - 9 If either PO118 or PO119 is present, then the other is required.
 - 10 If either PO120 or PO121 is present, then the other is required.
 - 11 If either PO122 or PO123 is present, then the other is required.
 - 12 If either PO124 or PO125 is present, then the other is required.

Semantic Notes:

- Comments:**
- 1 See the Data Element Dictionary for a complete list of IDs.
 - 2 PO101 is the line item identification.
 - 3 PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: PO1*n*1*EA***ZZ*LS [PO1 Loop repeats LQTY(LS-5) times]

Data Element Summary

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

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	SI01	559	Agency Qualifier Code	M ID 2/2
			Code identifying the agency assigning the code values	
			TI Telecommunications Industry	
M	SI02	1000	Service Characteristics Qualifier	M AN 2/2
			Code from an industry code list qualifying the type of service characteristics	
			CM Local Service Providers Circuit Number	
			CN Circuit Number Identification	
			SA Service Activity	
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 Within Bldg)
 T=(DWS: T-Outside move)

CKR (LS-10) = Customer Circuit Reference
 ECCKT (LS-13) = Exchange Company Circuit ID

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)

Data Element Summary

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

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(LS-7)*LOCNUM
REF*IX*LNUM(LS-8)*LNUM
REF*GP*TSP(LS-11)
REF*AE*SAN(LS-12)
```

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification AE Authorization for Expense (AFE) Number GP Government Priority Number IX Item Number	M	ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier LOCNUM (LS-7) = Location Number LNUM (LS-8) = Line Number TSP (LS-11) = Telecommunications Service Priority SAN (LS-12) = Subscriber Authorization Number	X	AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content "LOCNUM" "LNUM"	X	AN 1/80

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

Position: 0100
Loop: PO1 Mandatory
Level: Detail
Usage: Mandatory

Max Use: 1

Purpose: To specify basic and most frequently used line item data

- Syntax Notes:**
- 1 If PO103 is present, then PO102 is required.
 - 2 If PO105 is present, then PO104 is required.
 - 3 If either PO106 or PO107 is present, then the other is required.
 - 4 If either PO108 or PO109 is present, then the other is required.
 - 5 If either PO110 or PO111 is present, then the other is required.
 - 6 If either PO112 or PO113 is present, then the other is required.
 - 7 If either PO114 or PO115 is present, then the other is required.
 - 8 If either PO116 or PO117 is present, then the other is required.
 - 9 If either PO118 or PO119 is present, then the other is required.
 - 10 If either PO120 or PO121 is present, then the other is required.
 - 11 If either PO122 or PO123 is present, then the other is required.
 - 12 If either PO124 or PO125 is present, then the other is required.

Semantic Notes:

- Comments:**
- 1 See the Data Element Dictionary for a complete list of IDs.
 - 2 PO101 is the line item identification.
 - 3 PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: PO1*DUMMY*1*EA***ZZ*DD

Data Element Summary

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

Segment: **CTT** Transaction Totals

Position: 0100

Loop: CTT Optional

Level: Summary

Usage: Optional

Max Use: 1

Purpose: To transmit a hash total for a specific element in the transaction set

Syntax Notes: 1 If either CTT03 or CTT04 is present, then the other is required.

2 If either CTT05 or CTT06 is present, then the other is required.

Semantic Notes:

Comments: 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Notes: CTT*Number of PO1 Segments

Data Element Summary

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

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

Syntax Notes:

Semantic Notes:

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

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

Data Element Summary

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

35.6.2 860 Unbundled DS1 DID/PBX Trunk Port Facility Supplemental Service Request (860UDTF)

Functional Group ID=**PC**

Introduction:

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

This implementation guideline references the following:

1. LSOG 5, when applicable, and Qwest assigned fields
2. ANSI ASC X12 Version 4020
3. TCIF/SOSC Guidelines, ELMS 5

Notes:

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

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Notes and RepeatComments
M	0100	ST	Transaction Set Header	M	1	
M	0200	BCH	Beginning Segment for Purchase Order Change	M	1	
	0500	REF	Reference Identification	O	>1	
	0950	PAM	Period Amount	O	10	
LOOP ID - SAC						25
	1200	SAC	Service, Promotion, Allowance, or Charge Information	O	1	
	1500	DTM	Date/Time Reference	O	10	
	1850	SI	Service Characteristic Identification	O	>1	
	1900	PID	Product/Item Description	O	200	
	2100	PWK	Paperwork	O	25	
LOOP ID - N9						1000
	2850	N9	Reference Identification	O	1	
	2900	MTX	Text	O	>1	
LOOP ID - N9						1000
	2850	N9	Reference Identification	O	1	
	2900	MTX	Text	O	>1	
LOOP ID - N9						1000
	2850	N9	Reference Identification	O	1	
	2900	MTX	Text	O	>1	
LOOP ID - N1						200
	3000	N1	Name	O	1	
	3350	NX2	Location ID Component	O	>1	
	3500	PER	Administrative Communications Contact	O	>1	

		LOOP ID - N1		200
3000	N1	Name	O	1
		LOOP ID - N1		200
3000	N1	Name	O	1
		LOOP ID - N1		200
3000	N1	Name	O	1
3500	PER	Administrative Communications Contact	O	>1
		LOOP ID - N1		200
3000	N1	Name	O	1
3100	N2	Additional Name Information	O	2
3300	N4	Geographic Location	O	>1
3350	NX2	Location ID Component	O	>1
3500	PER	Administrative Communications Contact	O	>1
3550	SI	Service Characteristic Identification	O	>1

Detail:

<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Notes and RepeatComments</u>
		LOOP ID - POC			>1
0100	POC	Line Item Change - End User Form (Location and Access Section)	O	1	
		LOOP ID - PID			1000
0500	PID	Product/Item Description	O	1	
1000	REF	Reference Identification	O	>1	
		LOOP ID - N1			200
3400	N1	Name	O	1	
3700	N4	Geographic Location	O	1	
3750	NX2	Location ID Component	O	>1	
3950	SI	Service Characteristic Identification	O	>1	
		LOOP ID - N1			200
3400	N1	Name	O	1	
3800	REF	Reference Identification	O	12	
		LOOP ID - POC			>1
0100	POC	Line Item Change - Unbundled Loop Form (Service Details Section)	O	1	
0180	SI	Service Characteristic Identification	O	>1	
		LOOP ID - PID			1000
0500	PID	Product/Item Description	O	1	
1000	REF	Reference Identification	O	>1	

Summary:

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

			LOOP ID - CTT			1
	0100	CTT	Transaction Totals	O	1	n1
M	0300	SE	Transaction Set Trailer	M	1	

Transaction Set Notes

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

Segment: **ST** Transaction Set Header

Position: 0100

Loop:

Level: Heading

Usage: Mandatory

Max Use: 1

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

Syntax Notes:

Semantic Notes:

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

Comments:

Notes: ST*860*TRAN SET CONTROL #

Data Element Summary

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

Segment: **BCH** Beginning Segment for Purchase Order Change

Position: 0200

Loop:

Level: Heading

Usage: Mandatory

Max Use: 1

Purpose: To indicate the beginning of the Purchase Order Change Transaction Set and transmit identifying numbers and dates

Syntax Notes:

Semantic Notes:

- 1 BCH06 is the date assigned by the purchaser to purchase order.
- 2 BCH09 is the seller's order number.
- 3 BCH10 is the date assigned by the sender to the acknowledgment.
- 4 BCH11 is the date of the purchase order change request.

Comments:

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

Data Element Summary

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

Segment: **REF** Reference Identification

Position: 0500

Loop:

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To specify identifying information

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

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

Comments:

Notes:

```
REF*11*AN(LSR-7)*AN
REF*11*EAN(EU-40)*EAN
REF*12*BAN1(LSR-61)*BAN1
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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification	M	ID 2/3
			11 Account Number Number identifies a telecommunications industry account		
			12 Billing Account Account number under which billing is rendered		
			1V Related Vendor Order Number A vendor's order number that is in addition to a primary order number		
			CO Customer Order Number		
			JB Job (Project) Number		
			SU Special Processing Code Unique code identifying the special handling requirements for the claim		
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/30
			AN (LSR-7) = Account Number EAN (EU-40) = Existing Account Number BAN1 (LSR-61) = Billing Account Number 1 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 A free-form description to clarify the related data elements and their content	X	AN 1/80

"AN"
"EAN"
"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*T5*LOCQTY(LSR-5)*EA
PAM*48*PG_of_(LSR-10)(1st 2 Bytes)*EA
PAM*47*PG_of_(LSR-10)(2nd 2 Bytes)*EA
PAM*KC*DQTY(EU-5)*EA
PAM*63*LQTY(LS-5)*EA

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
Attributes				
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		
		KC Net Quantity Decrease		
		The resultant quantity represents a net decrease to a previously transmitted quantity, after adjustments have been made		
		T5 Total Number of Units		
PAM02	380	Quantity	X	R 1/15
		Numeric value of quantity		
		LOCQTY (LSR-5) = Location Quantity		
		First 2 bytes of PG_of_ (LSR-10)		
		Second 2 bytes of PG_of_ (LSR-10)		
		DQTY (EU-5) = Disconnect Quantity		
		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"]

Data Element Summary

Ref.	Data	Element	Name	
<u>Des.</u>				
<u>Attributes</u>				
M	SAC01	248	Allowance or Charge Indicator	M ID 1/1
			Code which indicates an allowance or charge for the service specified	

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

Segment: **DTM** Date/Time Reference

Position: 1500

Loop:

Level: Heading

Usage: Optional

Max Use: 10

Purpose: To specify pertinent dates and times

- Syntax Notes:**
- 1 At least one of DTM02 DTM03 or DTM05 is required.
 - 2 If DTM04 is present, then DTM03 is required.
 - 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Notes:

```
DTM*097*D/TSENT{CCYYMMDD}(LSR-12)*D/TSENT{HHMM}(LSR-12)
DTM*150*DDD{CCYYMMDD}(LSR-14)**TM*APPTIME{HHMM}(LSR-15)
DTM*992**TM*DFDT{HHMM}(LSR-19)
DTM*270*DATED{CCYYMMDD}(LSR-36)
```

Data Element Summary

Ref.	Data Element	Name		
M	<u>DTM01</u>	374 Date/Time Qualifier	M	ID 3/3
		Code specifying type of date or time, or both date and time		
		097 Transaction Creation		
		150 Service Period Start		
		270 Date Filed		
		992 Date Requested		
	DTM02	373 Date	X	DT 8/8
		Date expressed as CCYYMMDD		
		D/TSENT (LSR-12) = Date Sent		
		DDD (LSR-14) = Desired Due Date		
		DATED (LSR-36) = Date of Agency Authorization		
	DTM03	337 Time	X	TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
		D/TSENT{HHMM} (LSR-12) = Time Sent		
	DTM05	1250 Date Time Period Format Qualifier	X	ID 2/3
		Code indicating the date format, time format, or date and time format		
		TM Time Expressed in Format HHMM		
		Time expressed in the format HHMM where HH is the numerical expression of hours in the day based on a twenty-four hour clock and MM is the numerical expression of minutes within an hour		
	DTM06	1251 Date Time Period	X	AN 1/35
		Expression of a date, a time, or range of dates, times or dates and times		
		APPTIME{HHMM} (LSR-15) = Appointment Time		
		DFDT{HHMM} (LSR-19) = Desired Frame Due Time		

Segment: **SI** Service Characteristic Identification

Position: 1850

Loop:

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To specify service characteristic data

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

Semantic Notes:

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

Notes:

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

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	SI01	559	Agency Qualifier Code	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2
			Code from an industry code list qualifying the type of service characteristics		
			AA Account Activity		
			LO Local Exchange Carrier Serving Office		
			NC Network Channel		
			NI Network Channel Interface		
			PW Port Type		
			RE Requisition Type		
			TY Type of Service		
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
			ACT (LSR-24) = Activity		
			A=(DWS : N-New Installation)		
			D=(DWS : D-Disconnect of Entire Account)		
			Z=(DWS : Z-Conversion As Spec/No Listing)		
			C=(DWS : C-Change)		

REQTYP (LSR-23) = Requisition Type and Status
PORTTYP(LSR-38) = Port Type
LST(LSR-42) = Local Service Termination
TOS (LSR-44) = Type of Service
NC (LSR-46) = Network Channel Code
NCI (LSR-48) = Network Channel Interface Code

Segment: **PID** Product/Item Description

Position: 1900

Loop:

Level: Heading

Usage: Optional

Max Use: 200

Purpose: To describe a product or process in coded or free-form format

Syntax Notes:

- 1 If PID04 is present, then PID03 is required.
- 2 At least one of PID04 or PID05 is required.
- 3 If PID07 is present, then PID03 is required.
- 4 If PID08 is present, then PID04 is required.
- 5 If PID09 is present, then PID05 is required.

Semantic Notes:

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

Comments:

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

Notes:

```
PID*S**TI*AH***SO-RSQ*CHC(LSR-22)
PID*S**TI*CONVIND***SO-RSQ*CONVIND(LSR-24a)
PID*S**TI*AO***SO-RSQ*AGAUTH(LSR-35)
PID*S**TI*BI***SO-RSQ*FBI(EU-42)
PID*S**TI*PENDING***SO-RSQ*PENDING ORDER (LSR-108b)
```

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	PID01	349	Item Description Type Code indicating the format of a description S Structured (From Industry Code List)	M	ID 1/1
	PID03	559	Agency Qualifier Code Code identifying the agency assigning the code values TI Telecommunications Industry	X	ID 2/2
	PID04	751	Product Description Code A code from an industry code list which provides specific data about a product characteristic AH Coordinated Hot Cut AO Agency Authorization Status BI Final Bill Information Indicator CONVIND Conversion Indicator PENDING Pending Order	X	AN 1/12

PID07	822	Source Subqualifier	O AN 1/15
		A reference that indicates the table or text maintained by the Source Qualifier	
		SO-RSQ Service Order - Reseller Questions list	
PID08	1073	Yes/No Condition or Response Code	O ID 1/1
		Code indicating a Yes or No condition or response	
		CONVIND (LSR-24a) = Conversion Indicator	
		Y=(DWS : F-Full)	
		N=(DWS : P-Partial)	
		FBI (EU-42) = Final Bill Information Indicator	
		N=(DWS : E-Existing (Default))	
		Y=(DWS : D-Different)	
		CHC (LSR-22) = Coordinated Hot Cut	
		AGAUTH (LSR-35) = Agency Authorization Status	
		PENDING ORDER (LSR-108b) = Pending Order Indicator	

Segment: **PWK** Paperwork
Position: 2100
Loop:
Level: Heading
Usage: Optional
Max Use: 25
Purpose: To identify the type or transmission or both of paperwork or supporting information

- Syntax Notes:** 1 If either PWK05 or PWK06 is present, then the other is required.
Semantic Notes:
Comments: 1 PWK05 and PWK06 may be used to identify the addressee by a code number.
 2 PWK07 may be used to indicate special information to be shown on the specified report.
 3 PWK08 may be used to indicate action pertaining to a report.
Notes: PWK*DW*NS*1*DG*91*DRC(LSR-98)

Data Element Summary

Ref.	Data Element	Name		
M	<u>Attributes</u> PWK01	755	Report Type Code	M ID 2/2
			Code indicating the title or contents of a document, report or supporting item DW Drawing(s)	
	PWK02	756	Report Transmission Code	O ID 1/2
			Code defining timing, transmission method or format by which reports are to be sent NS Not Specified Indicates that a report will be transmitted via a nonspecified medium	
	PWK03	757	Report Copies Needed	O NO 1/2
			The number of copies of a report that should be sent to the addressee 1 Always One	
	PWK04	98	Entity Identifier Code	O ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual DG Design Engineering Identifies the design engineer or office of the design engineer who will receive design specifications	
	PWK05	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67) 91 Assigned by Seller or Seller's Agent	
	PWK06	67	Identification Code	X AN 2/80
			Code identifying a party or other code DRC (LSR-98) = Design Routing Code	

Segment: **N9 Reference Identification**

Position: 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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification H7 Standard Clause	M	ID 2/3
	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ORI Order Instructions	X	AN 1/30
	N903	369	Free-form Description Free-form descriptive text	X	AN 1/45
	N907	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O	
M	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification 2W Change Order Authority	M	ID 2/3
M	C04002	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier MANUAL IND (LS-40a) = Manual Indicator	M	AN 1/30

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

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

Semantic Notes:

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

Comments:

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

Notes: MTX**REMARKS(LS-40)

Data Element Summary

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

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

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

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

Semantic Notes:

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

Comments:

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

Notes: MTX**REMARKS(LSR-108)

Data Element Summary

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

Segment: **N9 Reference Identification**

Position: 2850

Loop: N9 Optional

Level: Heading

Usage: Optional

Max Use: 1

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

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

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

Comments:

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

Data Element Summary

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

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

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

Semantic Notes:

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

Comments:

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

Notes: MTX**REMARKS(EU-63)

Data Element Summary

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

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

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

Semantic Notes:
Comments:

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

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

Data Element Summary

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

Segment: **NX2** Location ID Component

Position: 3350

Loop: N1 Optional

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To define types and values of a geographic location

Syntax Notes:

Semantic Notes:

Comments:

Notes: NX2*91*APOT(LSR-41)

Data Element Summary

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

Segment: **PER Administrative Communications Contact**

Position: 3500

Loop: N1 Optional

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To identify a person or office to whom administrative communications should be directed

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

Semantic Notes:

Comments:

Notes:

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

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

Data Element Summary

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

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

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

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

Semantic Notes:
Comments:

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

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

Data Element Summary

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

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

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

Semantic Notes:
Comments:

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

Notes: N1*BT**92*ACNA(LSR-64)

Data Element Summary

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

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

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

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

Semantic Notes:
Comments:

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

Data Element Summary

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

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

Data Element Summary

Ref.	Data	Element	Name	
M	<u>Attributes</u>			
	N101	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			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

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

Segment: **N4 Geographic Location**

Position: 3300

Loop: N1 Optional

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To specify the geographic place of the named party

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

Semantic Notes:

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

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

Data Element Summary

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

Segment: **NX2** Location ID Component

Position: 3350

Loop: N1 Optional

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To define types and values of a geographic location

Syntax Notes:

Semantic Notes:

Comments:

Notes:

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

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	
M	NX201	1106	Address Component Qualifier	M ID 2/2
			Code qualifying the type of address component	
			01 Street Number	
			02 Street Name	
			03 Prefix Direction	
			07 City Name	
			32 Floor	
			A particular floor or level of a building	
			35 Room	
			A walled room or partitioned area of a building	
			40 Street Suffix	
			59 Street Number Low	
			61 Street Number Fraction	
			62 Street Name Suffix	
M	NX202	166	Address Information	M AN 1/55
			Address information	
			SANO (EU-45b) = Service Address Number	
			SASN (EU-45e) = Service Address Street Name	
			SASD (EU-45d) = Service Address Street Directional Prefix	
			CITY (EU-48) = City	
			FLOOR (EU-46) = Floor	
			ROOM/MAIL STOP (EU-47) = Room/Mail Stop	
			SASS (EU-45g) = Service Address Street Directional Suffix	
			SAPR (EU-45a) = Service Address Number Prefix	
			SASF (EU-45c) = Street Address Number Suffix	
			SATH (EU-45f) = Service Address Street Type	

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

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

Semantic Notes:
Comments:

Notes: PER*BI*BILLCON(EU-51)*TE*TEL NO(EU-52)

Data Element Summary

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

Segment: **SI** Service Characteristic Identification

Position: 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 characteristic qualifiers.

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

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
	<u>Attributes</u>				
M	SI01	559	Agency Qualifier Code	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2
			Code from an industry code list qualifying the type of service characteristics		
			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.	Data	Name		
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
<u>Attributes</u>				
	POC01	350	Assigned Identification	O AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set	
			"n" = nth assigned ID within POC loop	
M	POC02	670	Change or Response Type Code	M ID 2/2
			Code specifying the type of change to the line item	
		RZ	Replace All Values	
			Receiver should replace the corresponding values in the original purchase order with the values contained in the Purchase Order Change Transaction Set	
	POC08	235	Product/Service ID Qualifier	X ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		ZZ	Mutually Defined	
	POC09	234	Product/Service ID	X AN 1/48
			Identifying number for a product or service	
			"EU_SA"	

Segment: **PID** Product/Item Description

Position: 0500

Loop: PID Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To describe a product or process in coded or free-form format

Syntax Notes:

- 1 If PID04 is present, then PID03 is required.
- 2 At least one of PID04 or PID05 is required.
- 3 If PID07 is present, then PID03 is required.
- 4 If PID08 is present, then PID04 is required.
- 5 If PID09 is present, then PID05 is required.

Semantic Notes:

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

Comments:

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

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

Data Element Summary

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

Segment: **REF** Reference Identification

Position: 1000

Loop: POC Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify identifying information

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

Comments:

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

Data Element Summary

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

Segment: **N1** Name
Position: 3400
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:

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

Semantic Notes:
Comments:

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

Notes: N1*IT*NAME(EU-8)

Data Element Summary

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

Segment: **N4 Geographic Location**

Position: 3700

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify the geographic place of the named party

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

Semantic Notes:

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

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

Data Element Summary

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

Segment: **NX2** Location ID Component

Position: 3750

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To define types and values of a geographic location

Syntax Notes:

Semantic Notes:

Comments:

Notes:

NX2*01*SANO(EU-11)
NX2*02*SASN(EU-14)
NX2*03*SASD(EU-13)
NX2*05*BOX(EU-23c)
NX2*06*ROUTE(EU-23b)
NX2*07*CITY(EU-24)
NX2*39*AHN(EU-23a)
NX2*40*SASS(EU-16)
NX2*59*SAPR(EU-10)
NX2*61*SASF(EU-12)
NX2*62*SATH(EU-15)
NX2*LD1 (EU-17)*LV1 (EU-18)
NX2*LD2 (EU-19)*LV2 (EU-20)
NX2*LD3 (EU-21)*LV3 (EU-22)

Data Element Summary

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

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

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

Address information

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

Segment: **SI** Service Characteristic Identification

Position: 3950

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify service characteristic data

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

Semantic Notes:

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

Notes: SI*TI*AF*AFT (EU-9)

Data Element Summary

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

Segment: **N1** Name
Position: 3400
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:

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

Semantic Notes:
Comments:

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

Notes: N1*ZE*CPE MFR(EU-32)

Data Element Summary

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

Segment: **REF** Reference Identification

Position: 3800

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: 12

Purpose: To specify identifying information

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

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

Comments:

Notes: REF*MJ*CPE MOD(EU-33)

Data Element Summary

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

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

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

Purpose: To specify changes to a line item
Syntax Notes:

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

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

Comments:

Notes: POC*n*RZ*****ZZ*LS [POC Loop repeats LQTY(LS-5) times]

Data Element Summary

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

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	SI01	559	Agency Qualifier Code	M ID 2/2
			Code identifying the agency assigning the code values	
			TI Telecommunications Industry	
M	SI02	1000	Service Characteristics Qualifier	M AN 2/2
			Code from an industry code list qualifying the type of service characteristics	
			CM Local Service Providers Circuit Number	
			CN Circuit Number Identification	
			SA Service Activity	
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 Within Bldg)
 T=(DWS: T-Outside move)

CKR (LS-10) = Customer Circuit Reference
 ECCKT (LS-13) = Exchange Company Circuit ID

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)

Data Element Summary

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

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(LS-7)*LOCNUM
REF*IX*LNUM(LS-8)*LNUM
REF*GP*TSP(LS-11)
REF*AE*SAN(LS-12)

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification AE Authorization for Expense (AFE) Number GP Government Priority Number IX Item Number	M	ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier LOCNUM (LS-7) = Location Number LNUM (LS-8) = Line Number TSP (LS-11) = Telecommunications Service Priority SAN (LS-12) = Subscriber Authorization Number	X	AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content "LOCNUM" "LNUM"	X	AN 1/80

Segment: **CTT** Transaction Totals

Position: 0100

Loop: CTT Optional

Level: Summary

Usage: Optional

Max Use: 1

Purpose: To transmit a hash total for a specific element in the transaction set

Syntax Notes: 1 If either CTT03 or CTT04 is present, then the other is required.

2 If either CTT05 or CTT06 is present, then the other is required.

Semantic Notes:

Comments: 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Notes: CTT*Number of POC Segments

Data Element Summary

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

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

Syntax Notes:

Semantic Notes:

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

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

Data Element Summary

	<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
M	SE01	96	Number of Included Segments	M	NO 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		