# **DS1 DID-PBX Trunks**

# Table of Contents

36.	DS1	DID PBX TRUNKS	2
36.	1 Bu	SINESS DESCRIPTION	2
36.	2 Bu	SINESS MODEL	5
36.	3 DE	VELOPER WORKSHEETS	6
36.	4 TR	ADING PARTNER ACCESS INFORMATION	7
3	36.4.1	OVERVIEW: Qwest Specific Functional Group Envelope - Routing Information	8
3	36.4.2	ISA TABLE INFORMATION	9
3	36.4.3	GS TABLE INFORMATION	10
3	36.4.4	MAPPING EXAMPLE AND DATA DICTIONARY ITEMS	12
36.	5 MA	PPING EXAMPLES	14
3	36.5.1	850 UNBUNDLED DS1 DID/PBX TRUNK Service Request (850UDTR) -	
		Version 4020	
		UDTR 860 SUPP - Specific Fields - Version 4020	
36.	6 DA	TA DICTIONARY	
3	36.6.1	850 Unbundled DS1 DID/PBX Trunk Service Request (850UDTR)	20
3	36.6.2		
		Service Request (860UDTR)	133

# 36. DS1 DID PBX Trunks

# 36.1 Business Description

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

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

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

The following Order Activity Matrices define the available Order, and/or Line and Listing Activities for DS1 DID/PBX Trunk:

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

Order Activity Definition

Updated: January 21, 2002

Req Type	ACT	Definition		LNA	Forms required
			Application		
FB	Ν	New Installation	New service at premises.	N	LSR, EU, PS, DL
	D	Disconnect	Disconnect all services at the account level	D	LSR, EU, PS (conditional)
	W	Conversion As Is	Not Allowed	Not Allowed	
	V	Conversion As Specified	Change LSP with changes to DS1 DID PBX Trunk service or Directory Listing	N, V, D	LSR, EU, PS, DL
	Z	Conversion As Specified, No Directory Listing	Change LSP with change to DS1 DID PBX Trunk service and no change to Directory Listing	N, V, D	LSR, EU, PS
	С	Change	Change to existing service, add/remove features, change type of service, add/remove line(s) to existing service/account, PIC/LPIC change, change/add/remove Directory Listing, change billing information, change telephone number	C, P, X, N, D	LSR, EU, PS, DL (if changing)
	Т	Outside Move	Not Allowed	Not Allowed	
	L	Seasonal Suspend	Not Allowed	Not Allowed	
	Υ	Deny	Not Allowed	Not Allowed	
	В	Restore	Not Allowed	Not Allowed	
	R	Record	Not Allowed	Not Allowed	
	M	Inside Move	Not Allowed	Not Allowed	

## Line Activities

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

## LISTING ACTIVITIES

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

# 36.2 Business Model

See Appendix H

# 36.3 Developer Worksheets

See Appendices B and C - Developer Worksheets - Order

# **36.4 Trading Partner Access Information**

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

#### **Order Submittal**

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

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

# 36.4.1 OVERVIEW: Qwest Specific Functional Group Envelope - Routing Information

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

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

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

### 36.4.2 ISA TABLE INFORMATION

### **ANSI X12 ISA and IEA definitions:**

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

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

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

### 36.4.3 GS TABLE INFORMATION

# **ANSI X12 GS and GE segment definitions:**

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

  Purpose: To indicate the end of a functional group and provide control information.

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

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

### **GS Table**

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

ORDERING FUNCTION	Qwest SEND/ RECEIVE	DOCUMENT	GS01 VALUE	GS02 VALUE	GS03 VALUE
Service Request	Receive	850UDTR	PO	Co-Provider TP ID	UDTR90
Status Update – Auto Push	Send	855SU	PR	SU90	Co-Provider TP ID
Firm Order Confirmation	Send	855FOC	PR	FOC90	Co-Provider TP ID
Non Fatal Error Response	Send	855NF	PR	NF90	Co-Provider TP ID
Fatal Error Response	Send	855FATAL	PR	FATAL90	Co-Provider TP ID
Jeopardy	Send	865JEOP	CA	JEOP90	Co-Provider TP ID
Completion	Send	865COMP	CA	COMP90	Co-Provider TP ID

# **Supplemental Order**

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

## **GS Table (Supplemental)**

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

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

#### 36.4.4 MAPPING EXAMPLE AND DATA DICTIONARY ITEMS

# Purchase Order (PO) Date

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

#### Time Code

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

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

### 4020 Exceptions

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

SLN loop maximum use has been changed to >1

#### **Delimiters**

The following delimiters will be used:

• Element Separator: HEX 7C = | (vertical bar or pipe)

Sub-Element Separator: HEX 1F = (non-printable characters of "0x1f")

Segment Separator: HEX 0A = linefeed

# **Qwest Specific Fields**

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

# **Industry Standards Table:**

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

# 36.5 Mapping Examples

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

Legend of Symbols in this transaction example

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

```
ST*850*TRAN SET CONTROL #
BEG*00*SS*PON*SR-2**PO Date(See Trading Partner Access Information)
REF*11*AN*SR-7*AN
REF*11*EAN*EU-40*EAN
REF*11*EAN*SR-2*SR-20
REF*SU*RTR*SR-28*RTR
REF*CO*RPON*SR-51*RPON
REF*1V*RORD*SR-52*RORD
REF*1V*RORD*SR-52*RORD
REF*12*BAN1*SR-61*BAN1
REF*OW*ORD*PS-6*ORD
PAM*T5*LOCQTY*SR-5*EA
PAM*48*PG_of_LSR-10(1st_2 Bytes)*EA
PAM*47*PG_of_LSR-10(2nd_2 Bytes)*EA
PAM*47*PG_of_LSR-10(2nd_2 Bytes)*EA
PAM*C*DQTY*DL-23*EA
PAM*BH*DDQTY*DL-23*EA
SAC*N**TI*EXP

DTM*097*D/TSENT{CCYYMMDD}_LSR-12*D/TSENT{HHMM}_LSR-15
DTM*150*DDD{CCYYMMDD}_LSR-14***TM*APPTIME{HHMM}_LSR-15
DTM*270*DATED(CCYYMMDD)_LSR-36
SI*TI*TY*TOS*SR-44
SI*TI*RE*REQTYP*SR-23
```

```
SI*TI*AA*<u>ACT</u>LSR-24
SI*TI*PW*PORTTYPLSR-38
SI*TI*LO*LST<sup>LSR-42</sup>
SI*TI*NC*NCLSR-46
SI*TI*NI* NCL
PID*S**TI*AH***SO-RSQ*CHC<sup>LSR-22</sup>
PID*S**TI*CONVIND***SO-RSQ*CONVINDLSR-24a
PID*S**TI*AO***SO-RSQ*AGAUTHLSR
PID*S**TI*BI***SO-RSQ*FBI<sup>EU-42</sup>
PID*S**TI*PENDING***SO-RSQ*PENDING ORDERLSR-108b
PWK*DW*NS*1*DG*91*DRCLSR-98
N9*H7*ORI*EU****2W>MANUAL IND<sup>EU-63a</sup>
MTX**REMARKS<sup>EU-63</sup>
N9*H7*ORI*LSR****2W>MANUAL IND<sup>LSR-108a</sup>
MTX**REMARKS<sup>LSR-108</sup>
N9*H7*ORI*PORT****2W>MANUAL IND<sup>PS-61a</sup>
MTX**REMARKS
N1*78*CCNA<sup>LSR-1</sup>
NX2*91*APOT<sup>LSR-41</sup>
PER*AG*INIT<sup>LSR-81</sup>*TE*TEL NO<sup>LSR-82</sup>*FX* FAX NO<sup>LSR-84</sup>*EM*EMAIL LSR-83
PER*CN*IMPCON<sup>LSR-91</sup>*TE*TEL NO<sup>LSR-92</sup>*BN*PAGER<sup>LSR-93</sup>N1*AN*AUTHNM<sup>LSR-37</sup>N1*DG*DSGCON<sup>LSR-97</sup>
PER*DE**FX* FAX NO<sup>LSR-100</sup>
N1*X1*BILLNM<sup>EU-43</sup>
N2*SBILLNMEU-44
N4**STATE<sup>EU-49</sup>*ZIP<sup>EU-50</sup>
NX2*01*SANO<sup>EU-45b</sup>
NX2*02*SASN<sup>EU-45e</sup>
NX2*03*SASDEU-45d
NX2*07*CITY<sup>EU-48</sup>
NX2*32*FLOOR<sup>EU-46</sup>
NX2*35*ROOM/MAIL STOPEU-47
NX2*40*SASSEU-45g
NX2*59*SAPR<sup>EU-45a</sup>
NX2*61*SASF<sup>EU-45c</sup>
NX2*62*SATH<sup>EU-45f</sup>
PER*BI* BILLCON EU-51*TE* TEL NO EU-52
SI*TI*AF*AFT<sup>EU-44a</sup>
```

# **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<sup>EU-8a</sup>
REF*IX* LOCNUM
N1*IT*NAME<sup>EU-8</sup>
N4**STATE<sup>EU-25*</sup>ZIP<sup>EU-26**</sup>RJ*CALA<sup>EU-26a</sup>
NX2*01*SANO<sup>EU-11</sup>
NX2*02*SASN<sup>EU-14</sup>
NX2*03*SASD<sup>EU-13</sup>
NX2*05*BOX<sup>EU-23c</sup>
NX2*06*ROUTE<sup>EU-23b</sup>
NX2*07*CITY<sup>EU-24</sup>
NX2*39*AHN<sup>EU-23a</sup>
NX2*40*SASS<sup>EU-16</sup>
```

NX2\*59\***SAPR**<sup>EU-10</sup> NX2\*61\***SASF**<sup>EU-12</sup> NX2\*62\***SATH**<sup>EU-15</sup> NX2\*<u>LD1</u><sup>EU-17</sup>\*LV1<sup>EU-18</sup> NX2\*<u>LD2</u><sup>EU-19</sup>\*LV2<sup>EU-20</sup> NX2\*<u>LD3</u><sup>EU-21</sup>\*LV3<sup>EU-22</sup> SI\*TI\*AF\***AFT**<sup>EU-9</sup> N1\*ZE\***CPE MFR**<sup>EU-32</sup> REF\*MJ\***CPE MOD**<sup>EU-33</sup>

### **End User Form (Disconnect Information Section)**

PO1\*n\*1\*EA\*\*\*ZZ\*EU\_DISC [PO1 Loop may repeat] SI\*TI\*ND\*DISC NBR\*EU-55 SI\*TI\*T6\*TC OPT\*U-57 REF\*IX\* DNUM\*DTM\*376\*TC PER\*(CCYYMMDD)\*EU-62 SLN\*TCPRI\*n\*A\*1\*EA SI\*TI\*TC\*TC TO PR\*EU-58 N1\*TT\*TC NAME\*U-58b REF\*55\*TCID\*EU-58a\*PRI SLN\*TCSEC\*n\*A\*1\*EA [SLN Loop may repeat] SI\*TI\*TC\*TC TO SEC\*U-59 N1\*TT\*TC NAME\*U-61 REF\*55\*TCID\*EU-60\*SEC

#### **Port Service Form**

PO1\*n\*1\*EA\*\*\*ZZ\* PS [PO1 Loop may repeat] SI\*TI\*SA\*<u>LNA</u>PS-12 SI\*TI\*TN\* **TNS**PS-16 SI\*TI\*OT\* **OTN**PS-20 SI\*TI\*CM\***CKR**PS-29 SI\*TI\*CN\**ECCKT*PS-32 SI\*TI\*T6\***TC OPT**PS-33 SI\*TI\*TS\***SGNL**PS-48 SI\*TI\*SY\***SSIG**PS-49 PID\*X\*\*TI\*CFA\***CFA**PS-46 REF\*IX\* **LOCNUM** PS-8\*LOCNUM REF\*IX\* **LNUM**PS-9\*LNUM REF\*GP\***TSP**PS-27 REF\*AE\***SAN**PS-28 DTM\*376\***TC PER**(CCYYMMDD)<sup>PS-38</sup> N1\*P9\*\*41\***PIC**<sup>PS-22</sup> N1\*8V\*\*41\**LPIC*<sup>PS-23</sup> SLN\*TCPRI\*n\*A\*1\*EA SI\*TI\*TC\***TC TO PRI**PS-34 N1\*TT\* **TC NAME**PS-34b REF\*55\***TCID**PS-34a\*PRI SLN\*TCSEC\*n\*A\*1\*EA [SLN Loop may repeat] SI\*TI\*TC\***TC TO SEC**PS-35 N1\*TT\* TC NAME PS-37 REF\*55\***TCID**PS-36\*SEC

SLN\*BL\*n\*A\*1\*EA

SI\*TI\*BB\***BA**PS-52\*TB\***BLOCK**PS-53

SLN\**FA*\*n\*A\*1\*EA SI\*TI\*SA\**FA*<sup>PS-58</sup>\*SC\**FEATURE*<sup>PS-59</sup> SI\*TI\*FD\**FEATURE DETAIL*<sup>PS-60</sup>

[SLN Loop may repeat per FA/FEATURE pair]

[SI Segment may repeat]

### **DL Form (Delivery Address/Information Section)**

PO1\*n\*1\*EA\*\*\*ZZ\*DA SI\*TI\*AD\*DACT<sup>DL-81</sup> QTY\*31\*DIRQTYA<sup>DL-103</sup>\*DY QTY\*38\*DIRQTYNC<sup>DL-104</sup>\*DY N1\*DA\*DELNAME N4\*\*STATE<sup>DL-99</sup>\*ZIP<sup>DL-100</sup> NX2\*01\*DDANO<sup>DL-85</sup> NX2\*02\*DDASN<sup>DL-88</sup> NX2\*03\*DDASD<sup>DL-87</sup> NX2\*07\*CITY<sup>DL-98</sup> [PO1 Loop repeats **DDQTY**<sup>DL-23</sup> times]

NX2\*07\***CITY**<sup>DL-90</sup> NX2\*18\***DDALO**<sup>DL-90</sup> NX2\*40\***DDASS**<sup>DL-90</sup> NX2\*59\***DDAPR**<sup>DL-84</sup> NX2\*61\***DDASF**<sup>DL-86</sup> NX2\*62\***DDATH** 

### **DL Form (Service Details Section)**

PO1\*n\*1\*EA\*\*\*ZZ\**DL*\*SH\**RTY*<sup>DL-12</sup> SI\*TI\*LB\***LACT**DL-10 SI\*TI\*LE\*LTY<sup>DL-13</sup> SI\*TI\*TW\***STYC**<sup>DL-15</sup> SI\*TI\*BR\***TOA**DL-16 SI\*TI\*DG\***DOI**<sup>DL-17</sup> SI\*TI\*DN\**DIRNAME*<sup>DL-34</sup> SI\*TI\*BO\**BRO*<sup>DL-28</sup> PID\*S\*\*TI\*AR\*\*\*SO-RSQ\*<u>OM</u>TN PID\*S\*\*TI\*AS\*\*\*SO-RSQ\*<u>LNPL</u>DL-44 PID\*S\*\*TI\*AT\*\*\*SO-RSQ\* PID\*S\*\*TI\*AW\*\*\*SO-RSQ\*<u>DML</u>DL-25 PID\*S\*\*TI\*AX\*\*\*SO-RSQ\***NOSL**DL-26 PID\*S\*\*TI\*AY\*\*\*SO-RSQ\**TMKT*<sup>DL-27</sup> PID\*S\*\*TI\*BA\*\*\*SO-RSQ\**PROF*<sup>DL-32</sup> REF\*LI\**ALP*<sup>L-11</sup> N9\*82\**PLA* MTX\*\**PLA*<sup>DL-55</sup> N9\*82\**LTXTY*\***LTXTY**<sup>DL-57</sup> MTX\*\**LTEXT*<sup>DL-59</sup> N9\*H7\*ORI\* DL MTX\*\***REMARKS**DL-113 N1\*DH\*LISTINGS IN2\*05\**LNLN*<sup>DL-45</sup> IN2\*02\**LNFN*<sup>DL-46</sup>\**LNFN*<sup>DL-46</sup> IN2\*21\***DES**DL-47 IN2\*10\**TL*<sup>DL-48</sup>\**TL* IN2\*01\**TITLE1*<sup>DL-49</sup>\**TITLE1* IN2\*12\***DESD**<sup>DL-50a</sup>\*DESD

[PO1 Loop may repeat]

IN2\*10\***TLD**<sup>DL-51</sup>\***TLD**IN2\*01\***TITLE1D**<sup>DL-52</sup>\***TITLE1D**IN2\*18\***NICK**<sup>DL-54</sup>
N4\*\***LAST**<sup>DL-71</sup>
NX2\*01\***LANO**<sup>DL-63</sup>
NX2\*02\***LASN**<sup>DL-66</sup>
NX2\*03\***LASD**<sup>DL-65</sup>
NX2\*07\***LALOC**<sup>DL-70</sup>
NX2\*18\***LALO**<sup>DL-69</sup>
NX2\*40\***LASS**<sup>DL-68</sup>
NX2\*59\***LAPR**<sup>DL-62</sup>
NX2\*61\***LASF**<sup>DL-64</sup>
NX2\*62\***LATH**<sup>DL-67</sup>
SI\*TI\*TN\***LTN**<sup>DL-39</sup>
SI\*TI\*NS\***NSTN**<sup>DL-40</sup>

**Important Note:** If none of the above PO1 loops is applicable a "Dummy" PO1 loop is used in this format:

PO1\*DUMMY\*1\*EA\*\*\*ZZ\*DD

CTT\*Number of PO1 Segments SE\*Number of Segments\*TRAN SET CONTROL #

# 36.5.2 UDTR 860 SUPP - Specific Fields - Version 4020

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

```
ST*860*TRAN SET CONTROL #
BCH*<u>SUP</u>LSR-25*SS*PONLSR-2**VERLSR-3*PO Date (See Trading Partner Access Information)
POC*n*RZ******ZZ*?? Where?? = "EU_DISC" or "PS" or "EU_SA" or "DA"
POC*n*RZ*****ZZ*??*SH*RTYDL-12 Where?? = "DL"
```

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

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

# **36.6 DATA DICTIONARY**

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

Functional Group ID= PO

#### Introduction:

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

This implementation guideline references the following:

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

#### Notes:

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

## **Heading:**

	Pos. <u>No.</u>	Seg. <u>ID</u>	<u>Name</u>	Req. <u>Des.</u>	Max.Use	Loop Notes and RepeatComments
M	0100	ST	Transaction Set Header	М	1	
M	0200	BEG	Beginning Segment for Purchase Order	М	1	
	0500	REF	Reference Identification	0	>1	
	0950	PAM	Period Amount	0	10	
			LOOP ID - SAC			25
	1200	SAC	Service, Promotion, Allowance, or Charge Information	0	1	
	1500	DTM	Date/Time Reference	0	10	
	1850	SI	Service Characteristic Identification	0	>1	
	1900	PID	Product/Item Description	0	200	
	2100	PWK	Paperwork	0	25	
			LOOP ID - N9			1000
	2950	N9	Reference Identification	0	1	
	3000	MTX	Text	0	>1	
			LOOP ID - N9			1000
	2950	N9	Reference Identification	0	1	
	3000	MTX	Text	0	>1	
			LOOP ID - N9			1000
	2950	N9	Reference Identification	0	1	
	3000	MTX	Text	0	>1	
			LOOP ID - N1			200

3100	N1	Name	0	1	
3450	NX2	Location ID Component	0	>1	
3600	PER	Administrative Communications Contact	0	>1	
		LOOP ID - N1			200
3100	N1	Name	0	1	
		LOOP ID - N1			200
3100	N1	Name	0	1	
3600	PER	Administrative Communications Contact	0	>1	
		LOOP ID - N1			200
3100	N1	Name	0	1	
3200	N2	Additional Name Information	0	2	
3400	N4	Geographic Location	0	>1	
3450	NX2	Location ID Component	0	>1	
3600	PER	Administrative Communications Contact	0	>1	
3650	SI	Service Characteristic Identification	0	>1	

# Detail:

	Pos. <u>No.</u>	Seg. <u>ID</u>	<u>Name</u>	Req. <u>Des</u> .	Max.Use	Loop Notes and RepeatComments	
			LOOP ID - PO1			100000	
M	0100	PO1	Baseline Item Data - End User Form (Location and Access Section)	М	1	1000	n1
			LOOP ID - PID			1000	
	0500	PID	Product/Item Description	0	1		
	1000	REF	Reference Identification	0	>1		
			LOOP ID - N1			200	
	3500	N1	Name	0	1		
	3800	N4	Geographic Location	Ο	1		
	3850	NX2	Location ID Component	Ο	>1		
	4050	SI	Service Characteristic Identification	0	>1		
			LOOP ID - N1			200	
	3500	N1	Name	0	1		
	3900	REF	Reference Identification	0	12		
			LOOP ID - PO1			100000	
M	0100	PO1	Baseline Item Data - End User Form (Disconnect Information Section)	M	1		n2
	0180	SI	Service Characteristic Identification	0	>1		
	1000	REF	Reference Identification	Ο	>1		
	2100	DTM	Date/Time Reference	0	10		
			LOOP ID - SLN			>1	
	4700	SLN	Subline Item Detail	0	1		
	4800	SI	Service Characteristic Identification	0	>1		
			LOOP ID - N1			10	
	5350	N1	Name	0	1		
	5800	REF	Reference Identification	0	12		

			LOODID CLN			. 4	
	4700	CLN	LOOP ID - SLN	0	4	>1	
	4700	SLN	Subline Item Detail	0	1		
	4800	SI	Service Characteristic Identification	0	>1	10	
	E2E0	N1	LOOP ID - N1	0	1	10	
	5350 5800	REF	Name Reference Identification		12		
	5600	KEF		0	12		
			LOOP ID - PO1			100000	
M	0100	PO1	Baseline Item Data - Port Service Form	M	1		n3
	0180	SI	Service Characteristic Identification	0	>1		
			LOOP ID - PID			1000	
	0500	PID	Product/Item Description	0	1		
	1000	REF	Reference Identification	0	>1		
	2100	DTM	Date/Time Reference	0	10		
			LOOP ID - N1			200	
	3500	N1	Name	0	1		
			LOOP ID - N1			200	
	3500	N1	Name	0	1		
			LOOP ID - SLN			>1	
	4700	SLN	Subline Item Detail	0	1	71	
	4800	SI	Service Characteristic Identification	0	>1		
	1000	O.	LOOP ID - N1			10	
	5350	N1	Name	0	1	.0	
	5800	REF	Reference Identification	0	12		
			LOOP ID - SLN			. 1	
	4700	SLN	Subline Item Detail	0	1	>1	
	4800	SI	Service Characteristic Identification	0	>1		
	4000	31	LOOP ID - N1			10	
	5350	N1	Name	0	1	10	
	5800	REF	Reference Identification	0	12		
	3000	INLI			12		
			LOOP ID - SLN			>1	
	4700	SLN	Subline Item Detail	0	1		
	4800	SI	Service Characteristic Identification	0	>1		
			LOOP ID - SLN			>1	
	4700	SLN	Subline Item Detail	0	1		
	4800	SI	Service Characteristic Identification	0	>1		
			LOOP ID - PO1			100000	
M	0100	PO1	Baseline Item Data - DL Form (Delivery	М	1		n4
	0180	SI	Address/Information Section) Service Characteristic Identification	0	>1		
			LOOP ID - QTY			>1	
	2930	QTY	Quantity	0	1		
			LOOP ID - QTY			>1	
	2930	QTY	Quantity	0	1	>1	
	2330	Q(II	Country		'		

			LOOP ID - N1			200	
	3500	N1	Name	0	1		
	3800	N4	Geographic Location	0	1		
	3850	NX2	Location ID Component	0	>1		
			LOOP ID - PO1			100000	
М	0100	PO1	Baseline Item Data - DL Form (Service Details Section)	М	1		n5
	0180	SI	Service Characteristic Identification	0	>1		
			LOOP ID - PID			1000	
	0500	PID	Product/Item Description	0	1		
	1000	REF	Reference Identification	0	>1		_
			LOOP ID - N9			1000	
	3300	N9	Reference Identification	0	1		
	3400	MTX	Text	0	>1		
			LOOP ID - N9			1000	
	3300	N9	Reference Identification	0	1		
	3400	MTX	Text	0	>1		
			LOOP ID - N9			1000	
	3300	N9	Reference Identification	0	1		
	3400	MTX	Text	0	>1		
			LOOP ID - N1			200	
	3500	N1	Name	0	1		
	3650	IN2	Individual Name Structure Components	0	>1		
	3800	N4	Geographic Location	0	1		
	3850	NX2	Location ID Component	0	>1		
	4050	SI	Service Characteristic Identification	0	>1		
			LOOP ID - PO1			100000	
M	0100	PO1	Baseline Item Data - Dummy (DD)	М	1		n6

# **Summary:**

	Pos. <u>No.</u>	Seg. <u>ID</u>	<u>Name</u>	Req. <u>Des</u> .	Max.Use	Loop Notes and RepeatComments		
			LOOP ID - CTT			1		
	0100	CTT	Transaction Totals	0	1	n7		
M	0300	SE	Transaction Set Trailer	M	1		<u>.</u>	

# **Transaction Set Notes**

- 1. PO102 is required.
- PO102 is required. 2.
- PO102 is required. PO102 is required. 3.
- 4.
- 5.
- PO102 is required. PO102 is required. 6.

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

Segment: **ST** Transaction Set Header

Position: 0100

Loop:

Level: Heading Usage: Mandatory

Max Use: 1

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

Syntax Notes: Semantic Notes:

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

2 The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition.

Comments:

Notes: ST\*850\*TRAN SET CONTROL #

### **Data Element Summary**

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>		
M	ST01	143	Transaction Set Identifier Code	M	ID 3/3
			Code uniquely identifying a Transaction Set		
			850 Purchase Order		
M	ST02	329	Transaction Set Control Number	M	AN 4/9

Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Segment: **BEG** Beginning Segment for Purchase Order

Position: 0200

Loop:

Level: Heading Usage: Mandatory

Max Use: 1

Purpose: To indicate the beginning of the Purchase Order Transaction Set and

transmit identifying numbers and dates

Syntax Notes:

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

Comments:

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

### **Data Element Summary**

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

If either C04003 or C04004 is present, then the other is required.
If either C04005 or C04006 is present, then the other is required.

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

Semantic Notes: Comments:

Dof

Notes: REF\*11\*AN(LSR-7)\*AN

REF\*11\*EAN(EU-40)\*EAN REF\*JB\*PROJECT(LSR-20) REF\*SU\*RTR(LSR-28)\*RTR REF\*CO\*RPON(LSR-51)\*RPON REF\*1V\*RORD(LSR-52)\*RORD REF\*12\*BAN1(LSR-61)\*BAN1 REF\*OW\*ORD(PS-6)\*ORD

#### **Data Element Summary**

	Ret.	Data				
	Des.	<b>Element</b>	<u>Name</u>			
	<u>Attributes</u>					
M	REF01	128	Reference Identi	fication Qualifier	M	ID 2/3
			Code qualifying the	e Reference Identification		
			11	Account Number		
			12	Number identifies a telecommunicat account Billing Account	ions i	ndustry
			12	Account number under which billing	ic ran	dered
			1V	Related Vendor Order Number	13 1011	acrea
			СО	A vendor's order number that is in ac primary order number Customer Order Number	dditior	to a
			JB	Job (Project) Number		
			OW	Service Order Number		
			SU	Number assigned when a customer and equipment and which appears of Special Processing Code		s service
				Unique code identifying the special has requirements for the claim	nandli	ng
	REF02	127	Reference Identi	fication	X	AN 1/30

Reference Identification X AN 1/30
Reference information as defined for a particular Transaction Set or as

specified by the Reference Identification Qualifier

AN (LSR-7) = Account Number

EAN (EU-40) = Existing Account Number PROJECT (LSR-20) = Project Identification RTR (LSR-28) = Response Type Requested RPON (LSR-51) = Related Purchase Order Number

RORD(LSR-52) = Related Order Number

BAN1 (LSR-61) = Billing Account Number 1
ORD (PS-6) = Order Number

REF03 352 Description X AN 1/80

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

"AN"

"EAN"

"RTR"

"RPON"

"RORD"

"BAN1"

"ORD"

Segment: PAM Period Amount

Position: 0950

Loop:

Level: Heading Usage: Optional Max Use: 10

**Purpose:** To indicate a quantity, and/or amount for an identified period

Syntax Notes: 1 If any of PAM01 PAM02 or PAM03 is present, then all are required.

**2** At least one of PAM02 PAM05 or PAM14 is required.

3 If either PAM04 or PAM05 is present, then the other is required.
4 If either PAM06 or PAM07 is present, then the other is required.
5 If PAM07 is present, then at least one of PAM08 or PAM09 is

required.

If PAM07 is present, then PAM06 is required.
If PAM08 is present, then PAM07 is required.
If PAM09 is present, then PAM07 is required.

9 If PAM10 is present, then at least one of PAM11 or PAM12 is

required.

**10** If PAM11 is present, then PAM10 is required.

**11** If either PAM13 or PAM14 is present, then the other is required.

**Semantic Notes:** 1 PAM10, PAM11, or PAM12 are used when two dates are required.

2 PAM15 indicates whether the monetary amount identified in PAM05 is a net or gross value. A "Y" indicates amount is a gross value; an "N" indicates amount is a net value.

Comments:

Notes: PAM\*T5\*LOCQTY(LSR-5)\*EA

PAM\*48\*PG\_of\_(LSR-10)(1st 2 Bytes)\*EA PAM\*47\*PG\_of\_(LSR-10)(2nd 2 Bytes)\*EA

PAM\*KC\*DQTY(EU-5)\*EA PAM\*QP\*PQTY(PS-5)\*EA PAM\*BH\*DDQTY(DL-23)\*EA

### **Data Element Summary**

Ref.	Data	
Des.	<b>Element</b>	<u>Name</u>
<u>Attributes</u>		
PAM01	673	<b>Quantity Qualifier</b>

Code specifying the type of quantity

47 Primary Net Quantity
48 Secondary Net Quantity
BH Book Order Quantity

KC Net Quantity Decrease

The resultant quantity represents a net decrease to a previously transmitted quantity, after adjustments

have been made

QP Quantity by Position
T5 Total Number of Units

PAM02 380 Quantity X R 1/15

Numeric value of quantity

LOCQTY (LSR-5) = Location Quantity First 2 bytes of PG\_of\_ (LSR-10) Second 2 bytes of PG\_of\_ (LSR-10) X ID 2/2

			DQTY (EU-5) = Disconnect Quantity PQTY (PS-5) = Port Quantity DDQTY (DL-23) = Number of Delivery Segments		
	PAM03	C001	Composite Unit of Measure	Х	
			To identify a composite unit of measure (See Figures examples of use)	s Append	
M	C00101	355	Unit or Basis for Measurement Code	M	ID 2/2
			Code specifying the units in which a value is being exmanner in which a measurement has been taken  EA Each	xpressed	, or

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

Position: 1200

Loop: SAC Optional

Level: Heading 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.

If either SAC06 or SAC07 is present, then the other is required.
 If either SAC09 or SAC10 is present, then the other is required.

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

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.

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

Des. Element Name

M SAC01 248 Allowance or Charge Indicator M ID 1/1

Code which indicates an allowance or charge for the service specified

**Attributes** 

		N	No Allowance or Charge		
SAC03	559	Agency Qual	ifier Code	X	ID 2/2
		Code identifyir	ng the agency assigning the code values		
		TI	Telecommunications Industry		
SAC04	1301	Agency Serv Code	ice, Promotion, Allowance, or Charge	X	AN 1/10
		Agency mainta	ained code identifying the service, promotic	on, a	llowance,
		or charge			
		EXP	Expedited Service Charge		

**DTM** Date/Time Reference Segment:

Position: 1500

Loop:

Level: Heading Usage: Optional Max Use:

Purpose: To specify pertinent dates and times

**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM05 is required.

If DTM04 is present, then DTM03 is required.

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					
	Des.	<u>Element</u>	<u>Name</u>				
М	Attributes DTM01	374	Date/Time Qualif	ior	М	ID 3/3	
IVI	Divioi	314				10 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				
	DTMOO	007		Date of Agency Authorization	V	TN 4/0	
	DTM03	337	Time		Χ	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			ID 2/3	
						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	s 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			and	
			APPTIME{HHMM} (LSR-15) = Appointment Time				
			•	R-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.

If either SI06 or SI07 is present, then the other is required.
If either SI08 or SI09 is present, then the other is required.
If either SI10 or SI11 is present, then the other is required.
If either SI12 or SI13 is present, then the other is required.
If either SI14 or SI15 is present, then the other is required.

If either SI14 or SI15 is present, then the other is required.
If either SI16 or SI17 is present, then the other is required.
If either SI18 or SI19 is present, then the other is required.
If either SI20 or SI21 is present, then the other is required.

**Semantic Notes:** 

**Comments:** 1 Sl01 defines the source for each of the service characteristics

qualifiers.

Notes: SI\*TI\*TY\*TOS(LSR-44)

SI\*TI\*RE\*REQTYP(LSR-23) SI\*TI\*AA\*ACT(LSR-24) SI\*TI\*PW\*PORTTYP(LSR-38) SI\*TI\*LO\*LST(LSR-42)

SI\*TI\*NC\*NC(LSR-46) SI\*TI\*NI\*NCI(LSR-48)

#### **Data Element Summary**

	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>			
	<u>Attributes</u>					
M	SI01	559	Agency Qualifier	Code	М	ID 2/2
			Code identifying the	ne agency assigning the code values		
			TI	Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier			AN 2/2
			Code from an inducharacteristics	stry code list qualifying the type of serv	ice	
			AA	Account Activity		
			LO	Local Exchange Carrier Service Office	)	
			NC	Network Channel		
			NI	Network Channel Interface		
			PW	Port Type		
			RE	Requisition Type		
			TY	Type of Service		
M	SI03	234	Product/Service	ID	M	AN 1/48
			Identifying number	for a product or convice		

Identifying number for a product or service

ACT (LSR-24) = Activity A=(DWS : N-New Installation)

D=(DWS: D-Disconnect of Entire Account)

C=(DWS : C-Change)

V=(DWS: V-Conv. As Specified)

Z=(DWS : Z-Conversion As Spec/No Listing)

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

PID Product/Item Description Segment:

1900 Position:

Loop:

Level: Heading Optional Usage: Max Use: 200

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

**Syntax Notes:** If PID04 is present, then PID03 is required. 1

At least one of PID04 or PID05 is required. 3 If PID07 is present, then PID03 is required. If PID08 is present, then PID04 is required.

If PID09 is present, then PID05 is required.

**Semantic Notes:** 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.

PID09 is used to identify the language being used in PID05.

Comments: 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

2 Use PID06 when necessary to refer to the product surface or layer

being described in the segment.

PID07 specifies the individual code list of the agency specified in

PID03.

PID\*S\*\*TI\*AH\*\*\*SO-RSQ\*CHC(LSR-22) Notes:

PID\*S\*\*TI\*CONVIND\*\*\*SO-RSQ\*CONVIND(LSR-24a)

PID\*S\*\*TI\*AO\*\*\*SO-RSQ\*AGAUTH(LSR-35)

PID\*S\*\*TI\*BI\*\*\*SO-RSQ\*FBI(EU-42)

PID\*S\*\*TI\*PENDING\*\*\*SO-RSQ\*PENDING ORDER(LSR-108b)

#### **Data Element Summary**

	Ref.	Data					
	Des.	<b>Element</b>	<u>Name</u>				
	<b>Attributes</b>						
M	PID01	349	Item Description	Туре	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 product characteristic		c data about a	
			AH	Coordinated Hot Cut			
			AO	Agency Authorization Status			
			BI	Final Bill Information Indicator			
			CONVIND	Conversion Indicator			
			PENDING	Pending Order			

PID07 822 Source Subqualifier O AN 1/15

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

Qualifier

SO-RSQ Service Order - Reseller Questions list

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

Code indicating a Yes or No condition or response

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

PWK Paperwork Segment:

Position: 2100

Loop:

Level: Heading Usage: Optional

Max Use:

Purpose: To identify the type or transmission or both of paperwork or supporting

information

**Syntax Notes:** 

If either PWK05 or PWK06 is present, then the other is required.

**Semantic Notes:** 

Comments: 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.

PWK\*DW\*NS\*1\*DG\*91\*DRC(LSR-98) Notes:

			Data Element	Summary		
	Ref.	Data				
	Des.	<u>Element</u>	<u>Name</u>			
М	Attributes PWK01	755	Banart Type Cod	lo.	М	ID 2/2
IVI	PWKUI	755	Report Type Cod			
			item	e title or contents of a document, repor	t or s	supporting
			DW	Drawing(s)		
	PWK02	756	Report Transmiss	• • • • • • • • • • • • • • • • • • • •	0	ID 1/2
			Code defining timi	ng, transmission method or format by v	vhich	reports
			are to be sent			
			NS	Not Specified		
				Indicates that a report will be transmit	ted v	∕ia a
				nonspecified medium	_	
	PWK03	757	Report Copies N		0	N0 1/2
			The number of cop	pies of a report that should be sent to the	ie ac	ddressee
			1	Always One		
	PWK04	98	<b>Entity Identifier C</b>	Code	0	ID 2/3
			Code identifying a an individual	n organizational entity, a physical locat	ion, į	property or
			DG	Design Engineering		
				Identifies the design engineer or office	of the	he design
				engineer who will receive design spec		
	PWK05	66	Identification Co		X	ID 1/2
			Code designating Identification Code	the system/method of code structure uses (67)	sed f	for
			91	Assigned by Seller or Seller's Agent		
	PWK06	67	Identification Co	de	X	AN 2/80
			Code identifying a	party or other code		

DRC (LSR-98) = Design Routing Code

Segment: **N9** Reference Identification

Position: 2950

Loop: N9 Optional

Level: Heading Usage: Optional

Max Use: 1

Purpose: To transmit identifying information as specified by the Reference

Identification Qualifier

**Syntax Notes:** 1 At least one of N902 or N903 is required.

2 If N906 is present, then N905 is required.

3 If either C04003 or C04004 is present, then the other is required.
4 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** 1 N906 reflects the time zone which the time reflects.

2 N907 contains data relating to the value cited in N902.

Comments:

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

	Ref.	Data	·		
	Des.	<b>Element</b>	<u>Name</u>		
	<u>Attributes</u>				
M	N901	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			H7 Standard Clause		
	N902	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transact specified by the Reference Identification Qualifier ORI Order Instructions	ion S	Set or as
	N903	369	Free-form Description	X	AN 1/45
			Free-form descriptive text		
			"EU"		
	N907	C040	Reference Identifier	0	
			To identify one or more reference numbers or identification specified by the Reference Qualifier	n nui	mbers as
M	C04001	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			2W Change Order Authority		
M	C04002	127	Reference Identification	M	AN 1/30
			Reference information as defined for a particular Transact specified by the Reference Identification Qualifier	tion S	Set or as
	MANUAL IND (EU-63a) = Manual Indicator				

Segment: MTX Text

Position: 3000

Loop: N9 Optional

Level: Heading Usage: Optional Max Use: >1

Purpose: To specify textual data

**Syntax Notes:** 1 If MTX01 is present, then MTX02 is required.

If MTX03 is present, then MTX02 is required.If MTX05 is present, then MTX04 is required.

**Semantic Notes:** 1 MTX05 is the number of lines to advance before printing.

Comments: 1 If MTX04 is "AA - Advance the specific number of lines before print",

then MTX05 is required.

Notes: MTX\*\*REMARKS(EU-63)

**Data Element Summary** 

Ref. Data

Des. Element Name

**Attributes** 

MTX02 1551 Message Text X AN 1/4096

To transmit large volumes of message text

REMARKS (EU-63) = Remarks

Segment: **N9** Reference Identification

Position: 2950

Loop: N9 Optional

Level: Heading Usage: Optional

Max Use:

**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)

	Ref.	Data			
	Des.	<u>Element</u>	<u>Name</u>		
М	Attributes N901	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			H7 Standard Clause		
	N902	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transact specified by the Reference Identification Qualifier ORI Order Instructions	ion S	Set or as
	N903	369	Free-form Description	X	AN 1/45
			Free-form descriptive text		
			"LSR"		
	N907	C040	Reference Identifier	0	
			To identify one or more reference numbers or identification specified by the Reference Qualifier	n nur	mbers as
M	C04001	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			2W Change Order Authority		
M	C04002	127	Reference Identification	М	AN 1/30
			Reference information as defined for a particular Transact specified by the Reference Identification Qualifier	ion S	Set or as
MANUAL IND (LSR-108a) = Manual Indicator					

Segment: MTX Text

Position: 3000

Loop: N9 Optional

Level: Heading Usage: Optional Max Use: >1

Purpose: To specify textual data

**Syntax Notes:** 1 If MTX01 is present, then MTX02 is required.

If MTX03 is present, then MTX02 is required.If MTX05 is present, then MTX04 is required.

**Semantic Notes:** 1 MTX05 is the number of lines to advance before printing.

Comments: 1 If MTX04 is "AA - Advance the specific number of lines before print",

then MTX05 is required.

Notes: MTX\*\*REMARKS(LSR-108)

**Data Element Summary** 

Ref. Data

Des. Element Name

**Attributes** 

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:

Purpose: To transmit identifying information as specified by the Reference

Identification Qualifier

**Syntax Notes:** 1 At least one of N902 or N903 is required.

2 If N906 is present, then N905 is required.

3 If either C04003 or C04004 is present, then the other is required.
4 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** 1 N906 reflects the time zone which the time reflects.

2 N907 contains data relating to the value cited in N902.

Comments:

Notes: N9\*H7\*ORI\*PORT\*\*\*\*2W>MANUAL IND(PS-61a)

	Ref.	Data	·				
	Des.	<b>Element</b>	<u>Name</u>				
	<u>Attributes</u>						
M	N901	128	Reference Identification Qualifier	М	ID 2/3		
			Code qualifying the Reference Identification				
			H7 Standard Clause				
	N902	127	Reference Identification	X	AN 1/30		
			Reference information as defined for a particular Transact specified by the Reference Identification Qualifier ORI Order Instructions	ion S	Set or as		
	N903	369	Free-form Description	X	AN 1/45		
			Free-form descriptive text				
			"PORT"				
	N907	C040	Reference Identifier	0			
			To identify one or more reference numbers or identification specified by the Reference Qualifier	n nu	mbers as		
M	C04001	128	Reference Identification Qualifier	M	ID 2/3		
			Code qualifying the Reference Identification				
			2W Change Order Authority				
M	C04002	127	Reference Identification	M	AN 1/30		
			Reference information as defined for a particular Transact specified by the Reference Identification Qualifier	ion S	Set or as		
			MANUAL IND (PS-61a) = Manual Indicator				

Segment: MTX Text

Position: 3000

Loop: N9 Optional

Level: Heading Usage: Optional Max Use: >1

Purpose: To specify textual data

**Syntax Notes:** 1 If MTX01 is present, then MTX02 is required.

If MTX03 is present, then MTX02 is required.If MTX05 is present, then MTX04 is required.

**Semantic Notes:** 1 MTX05 is the number of lines to advance before printing.

Comments: 1 If MTX04 is "AA - Advance the specific number of lines before print",

then MTX05 is required.

Notes: MTX\*\*REMARKS(PS-61)

**Data Element Summary** 

Ref. Data

Des. Element Name

**Attributes** 

MTX02 1551 Message Text X AN 1/4096

To transmit large volumes of message text

REMARKS (PS-61) = Remarks

Segment: N1 Name

Position: 3100

Loop: N1 Optional

Level: Heading Usage: Optional

Max Use:

**Purpose:** To identify a party by type of organization, name, and code

**Syntax Notes:** 1 At least one of N102 or N103 is required.

If either N103 or N104 is present, then the other is required.

**Semantic Notes:** 

Comments: 1 This segment, used alone, provides the most efficient method of

providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the

transaction processing party.

2 N105 and N106 further define the type of entity in N101.

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

**Data Element Summary** 

Ref. Data Des. **Element Name Attributes** М N101 98 **Entity Identifier Code** ID 2/3 Code identifying an organizational entity, a physical location, property or an individual 78 Service Requester N102 93 Name AN 1/60

Free-form name

CCNA (LSR-1) = Customer Carrier Name Abbreviation

Segment: NX2 Location ID Component

Position: 3450

Loop: N1 Optional

Level: Heading Usage: Optional Max Use: >1

**Purpose:** To define types and values of a geographic location

Syntax Notes: Semantic Notes:

Comments:

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

**Data Element Summary** 

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

Address information

APOT (LSR-41) = Additional Point of Termination

PER Administrative Communications Contact Segment:

Position: 3600

> N1 Loop: Optional

Level: Heading Usage: Optional

Max Use:

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

should be directed

**Syntax Notes:** If either PER03 or PER04 is present, then the other is required.

If either PER05 or PER06 is present, then the other is required. 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 S	Summary		
	Ref.	Data				
	Des.	<u>Element</u>	<u>Name</u>			
	Attributes	000	Orașia filozofia	0-4-		ID 0/0
М	PER01	366	Contact Function		M	ID 2/2
			, ,	e major duty or responsibility of the pe	erson	or group
			named AG	Agent		
			CN	General Contact		
	PER02	93	Name	General Contact	0	AN 1/60
	I LIVE	30	Free-form name			AN 1700
			INIT (LSR-81) = Ini	tiator Identification		
			` '	= Implementation Contact		
	PER03	365	Communication I	•	Χ	ID 2/2
			Code identifying th	e type of communication number		
			TE	Telephone		
	PER04	364	Communication I	Number	X	AN 1/256
			Complete commun	nications number including country or a	rea c	ode when
			applicable			
			,	= Telephone Number		
	PER05	365	Communication I	= Telephone Number	Χ	ID 2/2
	PERUS	303		e type of communication number	^	10 2/2
			BN	**		
			FX	Beeper Number Facsimile		
	PER06	364	Communication I		Х	AN 1/256
	PERUO	304				
			applicable	nications number including country or a	rea c	ode when
			• •	= Facsimile Number		
			PAGER (LSR-93) :			
	PER07	365	Communication I	Number Qualifier	X	ID 2/2
				e 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.

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** Des. **Attributes** М N101 98 **Entity Identifier Code** ID 2/3 Code identifying an organizational entity, a physical location, property or an individual ΑN Authorized From A geographic location designated as an authorized pick-up or origin point for a shipment N102 93 Name Χ AN 1/60

Free-form name

AUTHNM (LSR-37) = Authorization Name

Segment: N1 Name

Position: 3100

Loop: N1 Optional

Level: Heading Usage: Optional

Max Use: 1

**Purpose:** To identify a party by type of organization, name, and code

**Syntax Notes:** 1 At least one of N102 or N103 is required.

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 Des. **Attributes** М N101 98 **Entity Identifier Code** ID 2/3 Code identifying an organizational entity, a physical location, property or an individual DG Design Engineering Identifies the design engineer or office of the design engineer who will receive design specifications N102 93 Name X AN 1/60

Free-form name

DSGCON (LSR-97) = Design/Engineering Contact

Segment: PER Administrative Communications Contact

Position: 3600

Loop: N1 Optional

Level: Heading Usage: Optional

Max Use: >

**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.

If either PER05 or PER06 is present, then the other is required.
If either PER07 or PER08 is present, then the other is required.

Semantic Notes: Comments:

Notes:

PER\*DE\*\*FX\*FAX NO(LSR-100)

**Data Element Summary** 

Ref. Data **Element Name** Des. **Attributes** М PER01 366 **Contact Function Code** ID 2/2 Code identifying the major duty or responsibility of the person or group named DE Design Engineer PER03 365 **Communication Number Qualifier** X ID 2/2 Code identifying the type of communication number FΧ Facsimile PER04 364 **Communication Number** AN 1/256

Complete communications number including country or area code when

applicable

FAX NO (LSR-100) = Facsimile Number

Segment: N1 Name

Position: 3100

Loop: N1 Optional

Level: Heading Optional

Max Use:

**Purpose:** To identify a party by type of organization, name, and code

**Syntax Notes:** 1 At least one of N102 or N103 is required.

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 Des. **Element Name Attributes** М **Entity Identifier Code** N101 98 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 AN 1/60 Χ

Free-form name

BILLNM (EU-43) = Bill Name

Segment: N2 Additional Name Information

Position: 3200

**Loop:** N1 Optional

Level: Heading Usage: Optional

Max Use: 2

**Purpose:** To specify additional names

Syntax Notes: Semantic Notes:

Comments:

Notes: N2\*SBILLNM(EU-44)

**Data Element Summary** 

Ref. Data

Des. Element Name

<u>Attributes</u>

M N201 93 Name M AN 1/60

Free-form name

SBILLNM (EU-44) = Secondary Billing Name

N4 Geographic Location Segment:

Position: 3400

> N1 Loop: Optional

Level: Heading Usage: Optional

Max Use:

Purpose: To specify the geographic place of the named party

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

If N407 is present, then N404 is required.

**Semantic Notes:** 

A combination of either N401 through N404, or N405 and N406 may Comments:

be adequate to specify a location.

N402 is required only if city name (N401) is in the U.S. or Canada. 2

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

**Data Element Summary** 

Ref. Data Des. **Element Name Attributes** N402 156 Χ ID 2/2 **State or Province Code** Code (Standard State/Province) as defined by appropriate government agency STATE (EU-49) = State/Province N403 116

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:

Ref.

Notes: NX2\*01\*SANO(EU-45b)

Data

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**

	Des.	Element	<u>Name</u>			
	<u>Attributes</u>					
М	NX201	1106	Address Compor	nent Qualifier	M	ID 2/2
			Code qualifying th	e 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	a buil	lding
			40	Street Suffix		
			59	Street Number Low		
			61	Street Number Fraction		
			62	Street Name Suffix		
M	NX202	166	Address Informa	tion	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.

If either PER05 or PER06 is present, then the other is required.
If either PER07 or PER08 is present, then the other is required.

Semantic Notes: Comments:

Comments

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

applicable

**Data Element Summary** 

Data Ref. **Element Name** Des. **Attributes** М PER01 366 **Contact Function Code** ID 2/2 Code identifying the major duty or responsibility of the person or group named ВΙ Bill Inquiry Contact Service Provider contact for making inquires about information on the invoice PER02 93 Name AN 1/60 Free-form name BILLCON (EU-51) = Billing Contact PER03 365 **Communication Number Qualifier** ID 2/2 Χ 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

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.

If either SI06 or SI07 is present, then the other is required.
If either SI08 or SI09 is present, then the other is required.
If either SI10 or SI11 is present, then the other is required.
If either SI12 or SI13 is present, then the other is required.
If either SI14 or SI15 is present, then the other is required.
If either SI16 or SI17 is present, then the other is required.

If either SI18 or SI19 is present, then the other is required.If either SI20 or SI21 is present, then the other is required.

**Semantic Notes:** 

**Comments:** 1 Sl01 defines the source for each of the service characteristics

qualifiers.

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

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

If either PO106 or PO107 is present, then the other is required.
If either PO108 or PO109 is present, then the other is required.
If either PO110 or PO111 is present, then the other is required.
If either PO112 or PO113 is present, then the other is required.

If either PO114 or PO115 is present, then the other is required.
If either PO116 or PO117 is present, then the other is required.
If either PO118 or PO119 is present, then the other is required.
If either PO120 or PO121 is present, then the other is required.
If either PO122 or PO123 is present, then the other is required.

12 If either PO124 or PO125 is present, then the other is required.

**Semantic Notes:** 

**Comments:** 1 See the Data Element Dictionary for a complete list of IDs.

**2** PO101 is the line item identification.

3 PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No.,

ISBN No., Model No., or SKU.

Notes: PO1\*n\*1\*EA\*\*\*ZZ\*EU SA [PO1 Loop may repeat]

## **Data Element Summary**

Ref.	Data	•		
Des.	<b>Element</b>	<u>Name</u>		
<u>Attributes</u>				
PO101	350	Assigned Identification	0	AN 1/20
		Alphanumeric characters assigned for differentiation within set	n a tı	ransaction
		"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	0	ID 2/2
		Code specifying the units in which a value is being expression manner in which a measurement has been taken EA Each	sed,	or
PO106	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive numbe Product/Service ID (234)  ZZ Mutually Defined	r use	ed in
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.

At least one of PID04 or PID05 is required.
If PID07 is present, then PID03 is required.
If PID08 is present, then PID04 is required.
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.

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 Licincia C	Julilliai y		
	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>			
M	PID01	349	Item Description	Туре	М	ID 1/1
			Code indicating the	e format of a description		
			S	Structured (From Industry Code List)		
	PID03	559	<b>Agency Qualifier</b>	Code	X	ID 2/2
			Code identifying th	e agency assigning the code values		
			TI	Telecommunications Industry		
	PID04	751	<b>Product Descripti</b>	on Code	X	AN 1/12
			A code from an incoproduct characterist ANV	dustry code list which provides specific stic Address Not Valid Indicator	data	about a
	PID07	822	Source Subquali	fier	0	AN 1/15
			A reference that in Qualifier	dicates the table or text maintained by	the S	Source
			SO-RSQ	Service Order - Reseller Questions lis	st	
	PID08	1073	Yes/No Condition	or Response Code	0	ID 1/1
			Code indicating a `	Yes or No condition or response		
			ANV (EU-8a) = Ad	dress 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.

If either C04003 or C04004 is present, then the other is required. 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

	- <i>-</i>		Data Elomont Gamma,	
	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>	
/	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identifica	ition
			IX Item Number	
	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a paspecified by the Reference Identification	
			LOCNUM (EU-7) = Location Number	
	REF03	352	Description	X AN 1/80
			A free-form description to clarify the relacontent	ated data elements and their
			"LOCNUM"	

Segment: N1 Name

Position: 3500

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use:

**Purpose:** To identify a party by type of organization, name, and code

**Syntax Notes:** 1 At least one of N102 or N103 is required.

If either N103 or N104 is present, then the other is required.

**Semantic Notes:** 

Comments: 1 This segment, used alone, provides the most efficient method of

providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the

transaction processing party.

2 N105 and N106 further define the type of entity in N101.

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

**Data Element Summary** 

Ref. Data Des. **Element Name Attributes** М N101 98 **Entity Identifier Code** ID 2/3 Code identifying an organizational entity, a physical location, property or an individual IT Installation on Site N102 93 Name AN 1/60

Free-form name

NAME (EU-8) = End User Name

Segment: N4 Geographic Location

Position: 3800

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use: 1

**Purpose:** To specify the geographic place of the named party

**Syntax Notes:** 1 Only one of N402 or N407 may be present.

If N406 is present, then N405 is required.
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)

Ret.	Data			
Des.	<u>Element</u>	<u>Name</u>		
<u>Attributes</u>				
N402	156	State or Province Code	X	ID 2/2
		Code (Standard State/Province) as defined by appropriate agency STATE (EU-25) = State/Province	gov	ernment
N403	116	Postal Code	0	ID 3/15
		Code defining international postal zone code excluding publanks (zip code for United States)  ZIP (EU-26) = ZIP/Postal Code	nctu	ation and
N405	309	Location Qualifier	Х	ID 1/2
		Code identifying type of location		
		RJ Region		
N406	310	Location Identifier	0	AN 1/30
		Code which identifies a specific location		
		CALA (EU-26a) = Customer Address Location Area		

Segment: NX2 Location ID Component

Position: 3850

Loop: N1 Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To define types and values of a geographic location

Syntax Notes: Semantic Notes: Comments:

Notes: NX2\*01\*SANO(EU-11)

NX2\*02\*SASN(EU-14) NX2\*03\*SASD(EU-13) NX2\*05\*BOX(EU-23c) NX2\*06\*ROUTE(EU-23b) NX2\*07\*CITY(EU-24) NX2\*39\*AHN(EU-23a) NX2\*40\*SASS(EU-16) NX2\*59\*SAPR(EU-10) NX2\*61\*SASF(EU-12) NX2\*62\*SATH(EU-15)

NX2\*LD1 (EU-17)\*LV1 (EU-18) NX2\*LD2 (EU-19)\*LV2 (EU-20) NX2\*LD3 (EU-21)\*LV3 (EU-22)

## **Data Element Summary**

Ref. Data

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

Attributes

M 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)

Street Number
Street Name
Prefix Direction
P.O. Box Number
Rural Route Number

07 City Name

ID 2/2

			12	Building Name			
			13	Apartment Number			
			14	Suite Number			
			30	Pier			
				The pier at which a ship or boat is doo	cked		
			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	build	ding	
			36	Slip			
				The slip or location on a pier at which is docked	a sh	ip or b	oat
			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 Informat		M	AN 1/	/55
			Address information				
				Service Address Number			
				Service Address Street Name			
			SASD (EU-13) = SBOX (EU-23c) = BBOX (EU-23c)	Service Address Street Directional Prefix	X		
			ROUTE (EU-23b) =				
			CITY (EU-24) = $Cit$				
			` ,	ssigned House Number			
				Service Address Street Directional Suffix	<		
			` ,	Service Address Number Prefix			
				Service Address Number Suffix			
			SATH (EU-15) = S LV1 (EU-18) = Loc	Service Address Street Type			
			LV1 (EU-10) = Loc LV2 (EU-20) = Loc				
			LV3 (EU-22) = Loc				

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.

If either SI06 or SI07 is present, then the other is required.
If either SI08 or SI09 is present, then the other is required.
If either SI10 or SI11 is present, then the other is required.
If either SI12 or SI13 is present, then the other is required.
If either SI14 or SI15 is present, then the other is required.
If either SI16 or SI17 is present, then the other is required.
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 Sl01 defines the source for each of the service characteristics

qualifiers.

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

	Ref. <u>Des.</u> Attributes	Data <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 servi characteristics	се	
			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		

Name Segment:

3500 Position:

> Loop: N1 Optional

Level: Detail Usage: Optional

Max Use:

Purpose: To identify a party by type of organization, name, and code

Syntax Notes: At least one of N102 or N103 is required.

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.

N105 and N106 further define the type of entity in N101.

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

**Data Element Summary** 

Ref. Data **Element Name** Des. **Attributes** М N101 98 **Entity Identifier Code** ID 2/3 Code identifying an organizational entity, a physical location, property or an individual ZΕ End Item Manufacturer Manufacturer of the end item associated with the

required material

X AN 1/60 N102 93 Name

Free-form name

CPE MFR (EU-32) = Customer Premises Equipment Manufacturer

REF Reference Identification Segment:

Position:

N1 Loop: 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.

If either C04003 or C04004 is present, then the other is required. If either C04005 or C04006 is present, then the other is required.

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

Comments:

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

**Data Element Summary** 

Ref. Data **Element Name** Des. **Attributes** М REF01 128 **Reference Identification Qualifier** ID 2/3 М Code qualifying the Reference Identification MJ Model Number REF02 127 **Reference Identification** Χ AN 1/30

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

Segment: PO1 Baseline Item Data - End User Form (Disconnect

Information Section)

Position: 0100

Loop: PO1 Mandatory

Level: Detail Usage: Mandatory

Max Use: 1

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

**Syntax Notes:** 1 If PO103 is present, then PO102 is required.

**2** If PO105 is present, then PO104 is required.

If either PO106 or PO107 is present, then the other is required.
If either PO108 or PO109 is present, then the other is required.
If either PO110 or PO111 is present, then the other is required.
If either PO112 or PO113 is present, then the other is required.

7 If either PO114 or PO115 is present, then the other is required.
8 If either PO116 or PO117 is present, then the other is required.
9 If either PO118 or PO119 is present, then the other is required.
10 If either PO120 or PO121 is present, then the other is required.
11 If either PO122 or PO123 is present, then the other is required.

12 If either PO124 or PO125 is present, then the other is required.

Semantic Notes:

**Comments:** 1 See the Data Element Dictionary for a complete list of IDs.

2 PO101 is the line item identification.

3 PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No.,

ISBN No., Model No., or SKU.

Notes: PO1\*n\*1\*EA\*\*\*ZZ\*EU DISC [PO1 Loop may repeat]

Ref.	Data							
Des.	<u>Element</u>	<u>Name</u>						
<b>Attributes</b>								
PO101	350	Assigned Identification	0	AN 1/20				
		Alphanumeric characters assigned for differentiation within a transa 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	0	ID 2/2				
		Code specifying the units in which a value is being expression manner in which a measurement has been taken EA Each	ssed,	or				
PO106	235	Product/Service ID Qualifier	X	ID 2/2				
		Code identifying the type/source of the descriptive number Product/Service ID (234)  ZZ Mutually Defined	r use	ed in				
PO107	234	Product/Service ID	X	AN 1/48				
		Identifying number for a product or service						
		"EU_DISC"						

Segment: SI Service Characteristic Identification

Position: 0180

Loop: PO1 Mandatory

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

**Syntax Notes:** 1 If either SI04 or SI05 is present, then the other is required.

If either SI06 or SI07 is present, then the other is required.
If either SI08 or SI09 is present, then the other is required.
If either SI10 or SI11 is present, then the other is required.
If either SI12 or SI13 is present, then the other is required.
If either SI14 or SI15 is present, then the other is required.
If either SI16 or SI17 is present, then the other is required.
If either SI18 or SI19 is present, then the other is required.

If either SI20 or SI21 is present, then the other is required.

**Semantic Notes:** 

**Comments:** 1 Sl01 defines the source for each of the service characteristics

qualifiers.

Notes: SI\*TI\*ND\*DISC NBR(EU-55)

SI\*TI\*T6\*TC OPT(EU-57)

	Ref. <u>Des.</u> <u>Attributes</u>	Data <u>Element</u>	<u>Name</u>			
M	SI01	559	Agency Qualifier	Code	M	ID 2/2
			Code identifying th	ne agency assigning the code values		
			TI	Telecommunications Industry		
M	SI02	1000	Service Characte	eristics Qualifier	М	AN 2/2
			Code from an inducharacteristics	stry code list qualifying the type of serv	/ice	
			ND	Disconnect Number		
			T6	Transfer of Call Options		
M	SI03	234	Product/Service	ID	M	AN 1/48
			Identifying number	for a product or service		
			,	) = Disconnect Telephone Number Transfer of Call Options		

Segment: REF Reference Identification

Position: 1000

**Loop:** PO1 Mandatory

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To specify identifying information

**Syntax Notes:** 1 At least one of REF02 or REF03 is required.

If either C04003 or C04004 is present, then the other is required.
If either C04005 or C04006 is present, then the other is required.

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

Comments:

Notes: REF\*IX\*DNUM(EU-54)\*DNUM

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

Segment: DTM Date/Time Reference

Position: 2100

Loop: PO1 Mandatory

Level: Detail
Usage: Optional
Max Use: 10

**Purpose:** To specify pertinent dates and times

**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM05 is required.

If DTM04 is present, then DTM03 is required.

**3** If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:** 

Comments:

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

**Data Element Summary** 

Ref. Data

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

M DTM01 374 Date/Time Qualifier

M ID 3/3

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

376 Delivery End

The date that deliveries will end

DTM02 373 Date

X DT 8/8

Date expressed as CCYYMMDD

TC PER (EU-62) = Transfer of Calls Period

Segment: SLN Subline Item Detail

Position: 4700

Loop: SLN Optional

Level: Detail Usage: Optional

Max Use: 1

**Purpose:** To specify product subline detail item data

**Syntax Notes:** 1 If either SLN04 or SLN05 is present, then the other is required.

2 If SLN07 is present, then SLN06 is required.3 If SLN08 is present, then SLN06 is required.

If either SLN09 or SLN10 is present, then the other is required.
 If either SLN11 or SLN12 is present, then the other is required.

6 If either SLN13 or SLN14 is present, then the other is required.

If either SLN15 or SLN16 is present, then the other is required.
 If either SLN17 or SLN18 is present, then the other is required.

If either SLN19 or SLN20 is present, then the other is required.
 If either SLN21 or SLN22 is present, then the other is required.

11 If either SLN23 or SLN24 is present, then the other is required.12 If either SLN25 or SLN26 is present, then the other is required.

13 If either SLN27 or SLN28 is present, then the other is required.

**Semantic Notes:** 1 SLN01 is the identifying number for the subline item.

2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.

3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.

**4** SLN08 is a code indicating the relationship of the price or amount to the associated segment.

**Comments:** 1 See the Data Element Dictionary for a complete list of IDs.

2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.

3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

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

	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>			
	<u>Attributes</u>					
М	SLN01	350	Assigned Identification	М	AN 1/20	
			Alphanumeric characters assigned for differentiation within a transaction set			
			"TCPRI"			
	SLN02	350	Assigned Identification	0	AN 1/20	
			Alphanumeric characters assigned for differentiation within a transaction set			
			"n" = nth assigned ID within SLN loop			
M	SLN03	662	Relationship Code	М	ID 1/1	
			Code indicating the relationship between entities			
			A Add			
	SLN04	380	Quantity	X	R 1/15	

			Numeric value of quantity	
			1 Always One	
	SLN05	C001	Composite Unit of Measure	X
	C004.04	255	To identify a composite unit of measure (See F 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 be manner in which a measurement has been take EA Each	•

Position: 4800

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To specify service characteristic data

**Syntax Notes:** 1 If either SI04 or SI05 is present, then the other is required.

If either SI06 or SI07 is present, then the other is required.
If either SI08 or SI09 is present, then the other is required.
If either SI10 or SI11 is present, then the other is required.
If either SI12 or SI13 is present, then the other is required.
If either SI14 or SI15 is present, then the other is required.
If either SI16 or SI17 is present, then the other is required.
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 Sl01 defines the source for each of the service characteristics

qualifiers.

Notes: SI\*TI\*TC\*TC TO PRI(EU-58)

	Ref. <u>Des.</u> Attributes	Data <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 serv characteristics	ice	
			TC Transfer Announcement Number		
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
			TC TO PRI (EU-58) = Transfer of Calls to Primary Number	ſ	

Segment: N1 Name

Position: 5350

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use:

**Purpose:** To identify a party by type of organization, name, and code

**Syntax Notes:** 1 At least one of N102 or N103 is required.

If either N103 or N104 is present, then the other is required.

**Semantic Notes:** 

**Comments:** 1 This segment, used alone, provides the most efficient method of

providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the

transaction processing party.

2 N105 and N106 further define the type of entity in N101.

Notes: N1\*TT\*TC NAME(EU-58b)

**Data Element Summary** 

Ref. Data Des. **Element Name Attributes** М **Entity Identifier Code** N101 98 ID 2/3 Code identifying an organizational entity, a physical location, property or an individual TT Transfer To N102 93 Name AN 1/60

Free-form name

TC NAME (EU-58b) = Transfer of Calls to Name

Segment: REF Reference Identification

Position: 5800

**Loop:** N1 Optional

Level: Detail
Usage: Optional
Max Use: 12

**Purpose:** To specify identifying information

**Syntax Notes:** 1 At least one of REF02 or REF03 is required.

If either C04003 or C04004 is present, then the other is required.
If either C04005 or C04006 is present, then the other is required.

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

Comments:

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

	Ref.	Data	<b>Data 2.0.</b>			
	Des. Attributes	Element	<u>Name</u>			
Л	REF01	128	Reference	Identification Qualifier	M	ID 2/3
			Code qualify	ring the Reference Identification		
			55	Sequence Number		
	REF02	127	Reference	Identification	X	AN 1/30
				nformation as defined for a particular Transac the Reference Identification Qualifier	tion (	Set or as
			TCID (EU-58	Ba) = Transfer of Calls to Identifier		
	REF03	352	Description	l	Χ	AN 1/80
			A free-form of content	description to clarify the related data element	s and	d their
			"PRI"			

Segment: SLN Subline Item Detail

Position: 4700

Loop: SLN Optional

Level: Detail Usage: Optional

Max Use: 1

**Purpose:** To specify product subline detail item data

**Syntax Notes:** 1 If either SLN04 or SLN05 is present, then the other is required.

2 If SLN07 is present, then SLN06 is required.3 If SLN08 is present, then SLN06 is required.

If either SLN09 or SLN10 is present, then the other is required.
If either SLN11 or SLN12 is present, then the other is required.
If either SLN13 or SLN14 is present, then the other is required.
If either SLN15 or SLN16 is present, then the other is required.

If either SLN17 or SLN18 is present, then the other is required.
If either SLN19 or SLN20 is present, then the other is required.
If either SLN21 or SLN22 is present, then the other is required.
If either SLN23 or SLN24 is present, then the other is required.

12 If either SLN25 or SLN26 is present, then the other is required.

13 If either SLN27 or SLN28 is present, then the other is required.

**Semantic Notes:** 1 SLN01 is the identifying number for the subline item.

2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.

3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.

**4** SLN08 is a code indicating the relationship of the price or amount to the associated segment.

**Comments:** 1 See the Data Element Dictionary for a complete list of IDs.

2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.

3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

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

	Ref.	Data			
	Des.	<b>Element</b>	<u>Name</u>		
	<u>Attributes</u>				
M	SLN01	350	Assigned Identification	М	AN 1/20
			Alphanumeric characters assigned for differentiation within set	n a t	ransaction
			"TCSEC"		
	SLN02	350	Assigned Identification	0	AN 1/20
			Alphanumeric characters assigned for differentiation within set	n a t	ransaction
			"n" = nth assigned ID within SLN loop		
M	SLN03	662	Relationship Code	M	ID 1/1
			Code indicating the relationship between entities		
			A Add		
	SLN04	380	Quantity	X	R 1/15

			Numeric value of quantity	
			1 Always One	
	SLN05	C001	Composite Unit of Measure	X
М	C00101	355	To identify a composite unit of measure (See Figure examples of use)	
IVI	COUTOT	333	Unit or Basis for Measurement Code	M ID 2/2
			Code specifying the units in which a value is being manner in which a measurement has been taken EA Each	expressed, or

Position: 4800

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To specify service characteristic data

**Syntax Notes:** 1 If either SI04 or SI05 is present, then the other is required.

If either SI06 or SI07 is present, then the other is required.
If either SI08 or SI09 is present, then the other is required.
If either SI10 or SI11 is present, then the other is required.
If either SI12 or SI13 is present, then the other is required.
If either SI14 or SI15 is present, then the other is required.
If either SI16 or SI17 is present, then the other is required.
If either SI18 or SI19 is present, then the other is required.

If either SI20 or SI21 is present, then the other is required.

**Semantic Notes:** 

**Comments:** 1 Sl01 defines the source for each of the service characteristics

qualifiers.

Notes: SI\*TI\*TC\*TC TO SEC(EU-59)

	Ref. <u>Des.</u> Attributes	Data <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 serv characteristics	ice	
			TC Transfer Announcement Number		
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
			TC TO SEC (EU-59) = Transfer of Calls to Secondary Nur	nber	•

Name Segment:

Position: 5350

> Loop: N1 Optional

Level: Detail Usage: Optional

Max Use:

Purpose: To identify a party by type of organization, name, and code

**Syntax Notes:** At least one of N102 or N103 is required.

If either N103 or N104 is present, then the other is required.

**Semantic Notes:** 

This segment, used alone, provides the most efficient method of Comments: 1

providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the

transaction processing party.

N105 and N106 further define the type of entity in N101.

N1\*TT\*TC NAME(EU-61) Notes:

**Data Element Summary** 

Ref. Data **Element Name** Des. **Attributes** М N101 98 **Entity Identifier Code** ID 2/3 Code identifying an organizational entity, a physical location, property or an individual TT Transfer To N102 93 Name AN 1/60

Free-form name TC NAME (EU-61) = Transfer of Calls to Name Segment: REF Reference Identification

Position: 5800

**Loop:** N1 Optional

Level: Detail
Usage: Optional
Max Use: 12

**Purpose:** To specify identifying information

**Syntax Notes:** 1 At least one of REF02 or REF03 is required.

If either C04003 or C04004 is present, then the other is required.
If either C04005 or C04006 is present, then the other is required.

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

Comments:

Notes: REF\*55\*TCID(EU-60)\*SEC

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

Segment: PO1 Baseline Item Data - Port Service Form

Position: 0100

**Loop:** PO1 Mandatory

Level: Detail Usage: Mandatory

Max Use: 1

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

**Syntax Notes:** 1 If PO103 is present, then PO102 is required.

2 If PO105 is present, then PO104 is required.

If either PO106 or PO107 is present, then the other is required.
If either PO108 or PO109 is present, then the other is required.
If either PO110 or PO111 is present, then the other is required.
If either PO112 or PO113 is present, then the other is required.
If either PO114 or PO115 is present, then the other is required.
If either PO116 or PO117 is present, then the other is required.
If either PO118 or PO119 is present, then the other is required.
If either PO120 or PO121 is present, then the other is required.
If either PO122 or PO123 is present, then the other is required.
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 SIGN.

ISBN No., Model No., or SKU.

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

Ref.	Data	·		
Des.	<u>Element</u>	<u>Name</u>		
<u>Attributes</u>		A 1 11 19 19	_	411.4/00
PO101	350	Assigned Identification	0	AN 1/20
		Alphanumeric characters assigned for differentiation withis et	n a tı	ransaction
		"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	0	ID 2/2
		Code specifying the units in which a value is being expression manner in which a measurement has been taken EA Each	ssed,	or
PO106	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive numbe Product/Service ID (234)  ZZ Mutually Defined	r use	ed in
PO107	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
		"PS"		

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.

If either SI06 or SI07 is present, then the other is required.
If either SI08 or SI09 is present, then the other is required.
If either SI10 or SI11 is present, then the other is required.
If either SI12 or SI13 is present, then the other is required.
If either SI14 or SI15 is present, then the other is required.
If either SI16 or SI17 is present, then the other is required.

If either SI18 or SI19 is present, then the other is required. If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

**Comments:** 1 Sl01 defines the source for each of the service characteristics

qualifiers.

Notes: SI\*TI\*SA\*LNA(PS-12)

SI\*TI\*TN\*TNS(PS-16) SI\*TI\*OT\*OTN(PS-20) SI\*TI\*CM\*CKR(PS-29) SI\*TI\*CN\*ECCKT(PS-32) SI\*TI\*T6\*TC OPT(PS-33) SI\*TI\*TS\*SGNL(PS-48) SI\*TI\*SY\*SSIG(PS-49)

## **Data Element Summary**

	Ref.	Data		•		
	Des.	<u>Element</u>	<u>Name</u>			
NA.	<u>Attributes</u>	FF0	A mamay Ovalifian	Cada	N.4	ID 2/2
М	SI01	559	Agency Qualifier		M	ID 2/2
			Code identifying th	ne agency assigning the code values		
			TI	Telecommunications Industry		
M	SI02	1000	Service Characte	eristics Qualifier	M	AN 2/2
			Code from an inducharacteristics	stry code list qualifying the type of serv	ice	
			CM	Local Service Providers Circuit Number	er	
			CN	Circuit Number Identification		
			OT	Out Telephone Number		
			SA	Service Activity		
			SY	Start Signaling		
			T6	Transfer of Calls Options		
			TN	Telephone Number		
			TS	Type of Signaling		
M	SI03	234	Product/Service	ID	M	AN 1/48

Identifying number for a product or service

LNA (PS-12) = Line Activity CT=(DWS: X-TN Change) C=(DWS: C-Change) A=(DWS: N-New)

D=(DWS: D-Disconnect)

V=(DWS: V-Conversion As Specified)

P=(DWS: P-PIC Change)

TNS (PS-16) = Telephone Numbers OTN (PS-20) = Out Telephone Number

CKR (PS-29) = Customer Circuit Reference

ECCKT (PS-32) = Exchange Company Circuit ID

TC OPT (PS-33) = Transfer of Call Options

SGNL (PS-48) = Signaling

SSIG (PS-49) = Start Signaling

Segment: PID Product/Item Description

Position: 0500

Loop: PID Optional

Level: Detail
Usage: Optional

Max Use: 1

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

**Syntax Notes:** 1 If PID04 is present, then PID03 is required.

At least one of PID04 or PID05 is required.
If PID07 is present, then PID03 is required.
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.

PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is

indeterminate.

4 PID09 is used to identify the language being used in PID05.

Comments: 1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then

PID04 is used. If PID01 equals "X", then both PID04 and PID05 are

used.

**2** Use PID06 when necessary to refer to the product surface or layer being described in the segment.

3 PID07 specifies the individual code list of the agency specified in

PID03.

**Notes:** PID\*X\*\*TI\*CFA\*CFA(PS-46)

			Data Element Summary		
	Ref. <u>Des.</u>	Data <u>Element</u>	<u>Name</u>		
	<u>Attributes</u>	240	Home Description Time	8.4	ID 4/4
М	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 product characteristic	data	about a
			CFA Connecting Facility Assignment		
	PID05	352	Description	X	AN 1/80
			A free-form description to clarify the related data element content	ts and	d their
			CFA (PS-46) = Connecting Facility Assignment		

Segment: REF Reference Identification

Position: 1000

Loop: PO1 Mandatory

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To specify identifying information

**Syntax Notes:** 1 At least one of REF02 or REF03 is required.

If either C04003 or C04004 is present, then the other is required.
If either C04005 or C04006 is present, then the other is required.

REF04 contains data relating to the value cited in REF02.

**Semantic Notes:** 

Comments:

REF\*IX\*LOCNUM(PS-8)\*LOCNUM

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

**Data Element Summary** 

Ref. Data

Des. Element Name

<u>Attributes</u>

М

REF01 128 Reference Identification Qualifier M ID 2/3

Code qualifying the Reference Identification

AE Authorization for Expense (AFE) Number

GP Government Priority Number

IX Item Number

REF02 127 Reference Identification X AN 1/30

Reference information as defined for a particular Transaction Set or as

specified by the Reference Identification Qualifier

LOCNUM (PS-8) = Location Number

LNUM (PS-9) = Line Number

TSP (PS-27) = Telecommunications Service Priority SAN (PS-28) = Subscriber Authorization Number

REF03 352 Description X AN 1/80

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

content

"LOCNUM"
"LNUM"

Segment: DTM Date/Time Reference

Position: 2100

Loop: PO1 Mandatory

Level: Detail
Usage: Optional
Max Use: 10

**Purpose:** To specify pertinent dates and times

**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM05 is required.

If DTM04 is present, then DTM03 is required.

**3** If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:** 

Comments:

Notes: DTM\*376\*TC PER{CCYYMMDD}(PS-38)

**Data Element Summary** 

Ref. Data

Des. Element Name

Attributes

M DTM01 374 Date/Time Qualifier M ID 3/3

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

376 Delivery End

The date that deliveries will end

DTM02 373 Date X DT 8/8

Date expressed as CCYYMMDD

TC PER (PS-38) = Transfer of Calls Period

Segment: N1 Name

Position: 3500

Loop: N1 Optional

Level: Detail
Usage: Optional

Max Use:

**Purpose:** To identify a party by type of organization, name, and code

**Syntax Notes:** 1 At least one of N102 or N103 is required.

If either N103 or N104 is present, then the other is required.

**Semantic Notes:** 

**Comments:** 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the

"ID Code" (N104) must provide a key to the table maintained by the

transaction processing party.

2 N105 and N106 further define the type of entity in N101.

**Notes:** N1\*P9\*\*41\*PIC(PS-22)

			Dala Liellielli	Julilliai y		
	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>			
M	N101	98	Entity Identifier (	Code	M	ID 2/3
			Code identifying a an individual	n organizational entity, a physical loca	tion,	property or
			P9	Primary Interexchange Carrier (PIC)		
				Identifies the carrier who will handle t interexchange calls	he	
	N103	66	Identification Co	de Qualifier	Χ	ID 1/2
			Code designating Identification Code	the system/method of code structure ue (67)	ised f	for
			41	Telecommunications Carrier Identifica	ation	Code
				Identifies the Interexchange carrier fo being billed	r the	charges
	N104	67	<b>Identification Co</b>	de	X	AN 2/80
			Code identifying a	party or other code		
			PIC (PS-22) = Interpretation	erLATA Pre-subscription Indicator Code	<b>.</b>	

Segment: N1 Name

Position: 3500

Loop: N1 Optional

Level: Detail
Usage: Optional

Max Use:

**Purpose:** To identify a party by type of organization, name, and code

**Syntax Notes:** 1 At least one of N102 or N103 is required.

If either N103 or N104 is present, then the other is required.

**Semantic Notes:** 

Comments: 1 This segment, used alone, provides the most efficient method of

providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the

transaction processing party.

2 N105 and N106 further define the type of entity in N101.

**Notes:** N1\*8V\*\*41\*LPIC(PS-23)

			Data Element	Summary		
	Ref.	Data				
	Des.	Element	Name			
	Attributes					
M	N101	98	<b>Entity Identifier C</b>	Code	M	ID 2/3
			Code identifying an an individual	n organizational entity, a physical loca	ition,	property or
			8V	Primary Intra-LATA (Local Access Tr	ansp	ort Area)
				Carrier	•	•
	N103	66	<b>Identification Co</b>	de Qualifier	X	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)			
			41	Telecommunications Carrier Identific	ation	Code
				Identifies the Interexchange carrier for being billed	or the	charges
	N104	67	Identification Co	de	X	AN 2/80
			Code identifying a	party or other code		
			LPIC (PS-23) = Int	raLATA Pre-subscription Indicator Cod	de	

Segment: SLN Subline Item Detail

Position: 4700

Loop: SLN Optional

Level: Detail
Usage: Optional

Max Use:

**Purpose:** To specify product subline detail item data

**Syntax Notes:** 1 If either SLN04 or SLN05 is present, then the other is required.

2 If SLN07 is present, then SLN06 is required.3 If SLN08 is present, then SLN06 is required.

If either SLN09 or SLN10 is present, then the other is required.
If either SLN11 or SLN12 is present, then the other is required.

**6** If either SLN13 or SLN14 is present, then the other is required.

If either SLN15 or SLN16 is present, then the other is required.
 If either SLN17 or SLN18 is present, then the other is required.

If either SLN19 or SLN20 is present, then the other is required.
 If either SLN21 or SLN22 is present, then the other is required.

11 If either SLN23 or SLN24 is present, then the other is required.12 If either SLN25 or SLN26 is present, then the other is required.

13 If either SLN27 or SLN28 is present, then the other is required.

**Semantic Notes:** 1 SLN01 is the identifying number for the subline item.

2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.

**3** SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.

4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

**Comments:** 1 See the Data Element Dictionary for a complete list of IDs.

2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.

3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

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

	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>			
	<u>Attributes</u>					
M	SLN01	350	Assigned Identification	М	AN 1/20	
			Alphanumeric characters assigned for differentiation within a transaction set			
			"TCPRI"			
	SLN02	350	Assigned Identification	0	AN 1/20	
			Alphanumeric characters assigned for differentiation within set	n a t	ransaction	
			"n" = nth assigned ID within SLN loop			
M	SLN03	662	Relationship Code	M	ID 1/1	
			Code indicating the relationship between entities			
			A Add			
	SLN04	380	Quantity	X	R 1/15	

			Numeric value of quantity	
			1 Always One	
	SLN05	C001	Composite Unit of Measure	X
	000404	055	To identify a composite unit of measure (See 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 be manner in which a measurement has been take EA Each	• .

Position: 4800

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To specify service characteristic data

**Syntax Notes:** 1 If either SI04 or SI05 is present, then the other is required.

If either SI06 or SI07 is present, then the other is required.
If either SI08 or SI09 is present, then the other is required.
If either SI10 or SI11 is present, then the other is required.
If either SI12 or SI13 is present, then the other is required.
If either SI14 or SI15 is present, then the other is required.
If either SI16 or SI17 is present, then the other is required.

If either SI18 or SI19 is present, then the other is required. If either SI20 or SI21 is present, then the other is required.

**Semantic Notes:** 

**Comments:** 1 Sl01 defines the source for each of the service characteristics

qualifiers.

Notes: SI\*TI\*TC\*TC TO PRI(PS-34)

	Ref. <u>Des.</u> Attributes	Data <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 serv characteristics	ice	
			TC Transfer Announcement Number		
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
			TC TO PRI (PS-34) = Transfer of Calls to Primary Number	ſ	

Segment: N1 Name

Position: 5350

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use:

**Purpose:** To identify a party by type of organization, name, and code

**Syntax Notes:** 1 At least one of N102 or N103 is required.

If either N103 or N104 is present, then the other is required.

**Semantic Notes:** 

Comments: 1 This segment, used alone, provides the most efficient method of

providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the

transaction processing party.

2 N105 and N106 further define the type of entity in N101.

Notes: N1\*TT\*TC NAME(PS-34b)

**Data Element Summary** 

Ref. Data Des. **Element Name Attributes** М N101 98 **Entity Identifier Code** ID 2/3 Code identifying an organizational entity, a physical location, property or an individual TT Transfer To N102 93 Name AN 1/60

Free-form name

TC NAME (PS-34b) = Transfer of Calls to Name

Segment: REF Reference Identification

Position: 5800

**Loop:** N1 Optional

Level: Detail
Usage: Optional
Max Use: 12

**Purpose:** To specify identifying information

**Syntax Notes:** 1 At least one of REF02 or REF03 is required.

If either C04003 or C04004 is present, then the other is required.
If either C04005 or C04006 is present, then the other is required.

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

Comments:

Notes: REF\*55\*TCID(PS-34a)\*PRI

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

Segment: SLN Subline Item Detail

Position: 4700

Loop: SLN Optional

Level: Detail Usage: Optional

Max Use: 1

**Purpose:** To specify product subline detail item data

**Syntax Notes:** 1 If either SLN04 or SLN05 is present, then the other is required.

2 If SLN07 is present, then SLN06 is required.3 If SLN08 is present, then SLN06 is required.

If either SLN09 or SLN10 is present, then the other is required.
 If either SLN11 or SLN12 is present, then the other is required.

6 If either SLN13 or SLN14 is present, then the other is required.

7 If either SLN15 or SLN16 is present, then the other is required.

If either SLN17 or SLN18 is present, then the other is required.If either SLN19 or SLN20 is present, then the other is required.

10 If either SLN21 or SLN22 is present, then the other is required.11 If either SLN23 or SLN24 is present, then the other is required.

12 If either SLN25 or SLN26 is present, then the other is required.

**13** If either SLN27 or SLN28 is present, then the other is required.

**Semantic Notes:** 1 SLN01 is the identifying number for the subline item.

2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.

3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.

**4** SLN08 is a code indicating the relationship of the price or amount to the associated segment.

**Comments:** 1 See the Data Element Dictionary for a complete list of IDs.

2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.

3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

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

	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>			
	<u>Attributes</u>					
M	SLN01	350	Assigned Identification	M	AN 1/20	
			Alphanumeric characters assigned for differentiation within a transaction set			
			"TCSEC"			
	SLN02	350	Assigned Identification	0	AN 1/20	
			Alphanumeric characters assigned for differentiation within set	n a t	ransaction	
			"n" = nth assigned ID within SLN loop			
M	SLN03	662	Relationship Code	M	ID 1/1	
			Code indicating the relationship between entities			
			A Add			
	SLN04	380	Quantity	X	R 1/15	

			Numeric value of quantity		
			1 Always One		
	SLN05	C001	Composite Unit of Measure	X	
м	C00101	355	To identify a composite unit of measure (See Figure examples of use)  Unit or Basis for Measurement Code	es Append <b>M</b>	dix for
IVI	COUTUT	333			
			Code specifying the units in which a value is being a manner in which a measurement has been taken EA Each	expressed	, or

Position: 4800

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

**Syntax Notes:** 1 If either SI04 or SI05 is present, then the other is required.

If either SI06 or SI07 is present, then the other is required.
If either SI08 or SI09 is present, then the other is required.
If either SI10 or SI11 is present, then the other is required.
If either SI12 or SI13 is present, then the other is required.
If either SI14 or SI15 is present, then the other is required.
If either SI16 or SI17 is present, then the other is required.
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 Sl01 defines the source for each of the service characteristics

qualifiers.

Notes: SI\*TI\*TC\*TC TO SEC(PS-35)

	Ref. <u>Des.</u> Attributes	Data <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 serv characteristics	ice	
			TC Transfer Announcement Number		
M	SI03	234	Product/Service ID	М	AN 1/48
			Identifying number for a product or service		
			TC TO SEC (PS-35) = Transfer of Calls to Secondary Nur	nber	

Name Segment:

Position: 5350

> Loop: N1 Optional

Level: Detail Usage: Optional

Max Use:

Purpose: To identify a party by type of organization, name, and code

**Syntax Notes:** At least one of N102 or N103 is required.

If either N103 or N104 is present, then the other is required.

**Semantic Notes:** 

This segment, used alone, provides the most efficient method of Comments: 1

providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the

transaction processing party.

Free-form name

2 N105 and N106 further define the type of entity in N101.

N1\*TT\*TC NAME(PS-37) Notes:

**Data Element Summary** 

Ref. Data Des. **Element Name Attributes** М N101 98 **Entity Identifier Code** ID 2/3 Code identifying an organizational entity, a physical location, property or an individual TT Transfer To N102 93 Name AN 1/60

TC NAME (PS-37) = Transfer of Calls to Name

Segment: REF Reference Identification

Position: 5800

**Loop:** N1 Optional

Level: Detail
Usage: Optional
Max Use: 12

**Purpose:** To specify identifying information

**Syntax Notes:** 1 At least one of REF02 or REF03 is required.

If either C04003 or C04004 is present, then the other is required.
If either C04005 or C04006 is present, then the other is required.

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

Comments:

Notes: REF\*55\*TCID(PS-36)\*SEC

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>	······································		
M	REF01	128	Reference Ide	entification Qualifier	М	ID 2/3
			Code qualifying			
			55	Sequence Number		
	REF02	127	Reference Ide	Reference Identification		
			specified by the	mation as defined for a particular Transact Reference Identification Qualifier Transfer of Calls to Identifier	ion S	Set or as
	REF03	352	Description A free-form descontent	free-form description to clarify the related data element		
			"SEC"			

Segment: SLN Subline Item Detail

Position: 4700

Loop: SLN Optional

Level: Detail Usage: Optional

Max Use:

**Purpose:** To specify product subline detail item data

**Syntax Notes:** 1 If either SLN04 or SLN05 is present, then the other is required.

2 If SLN07 is present, then SLN06 is required.3 If SLN08 is present, then SLN06 is required.

If either SLN09 or SLN10 is present, then the other is required.
If either SLN11 or SLN12 is present, then the other is required.

6 If either SLN13 or SLN14 is present, then the other is required.

7 If either SLN15 or SLN16 is present, then the other is required. 8 If either SLN17 or SLN18 is present, then the other is required.

If either SLN19 or SLN20 is present, then the other is required.
 If either SLN21 or SLN22 is present, then the other is required.

11 If either SLN23 or SLN24 is present, then the other is required.12 If either SLN25 or SLN26 is present, then the other is required.

13 If either SLN27 or SLN28 is present, then the other is required.

**Semantic Notes:** 1 SLN01 is the identifying number for the subline item.

2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.

3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.

4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

**Comments:** 1 See the Data Element Dictionary for a complete list of IDs.

2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.

to relate to baseline number 1.

SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

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

			,		
	Ref.	Data			
	Des.	<u>Element</u>	<u>Name</u>		
	<u>Attributes</u>				
M	SLN01	350	Assigned Identification	М	AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction		
			set		
			"BL"		
	SLN02	350	Assigned Identification	0	AN 1/20
			Alphanumeric characters assigned for differentiation within set	n a t	ransaction
			"n" = nth assigned ID within SLN loop		
M	SLN03	662	Relationship Code	М	ID 1/1
			Code indicating the relationship between entities		
			A Add		
	SLN04	380	Quantity	Χ	R 1/15

			Numeric value of quantity	
			1 Always One	
	SLN05	C001	Composite Unit of Measure	X
	C00404	255	To identify a composite unit of measure (See Figure 2) 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 manner in which a measurement has been taken EA Each	g expressed, or

Position: 4800

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To specify service characteristic data

**Syntax Notes:** 1 If either SI04 or SI05 is present, then the other is required.

If either SI06 or SI07 is present, then the other is required.
If either SI08 or SI09 is present, then the other is required.
If either SI10 or SI11 is present, then the other is required.
If either SI12 or SI13 is present, then the other is required.
If either SI14 or SI15 is present, then the other is required.
If either SI16 or SI17 is present, then the other is required.
If either SI18 or SI19 is present, then the other is required.

If either SI20 or SI21 is present, then the other is required.

**Semantic Notes:** 

**Comments:** 1 Sl01 defines the source for each of the service characteristics

qualifiers.

Notes: SI\*TI\*BB\*BA(PS-52)\*TB\*BLOCK(PS-53)

	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>			
	<u>Attributes</u>					
M	SI01	559	Agency Qualifier	Code	M	ID 2/2
			Code identifying th	e agency assigning the code values		
			П	Telecommunications Industry		
M	SI02	1000	Service Characte	eristics Qualifier	М	AN 2/2
			characteristics	stry code list qualifying the type of serv	/ice	
			BB	Blocking Activity		
М	SI03	234	Product/Service	ID	M	AN 1/48
			Identifying number	for a product or service		
			BA (PS-52) = Block	cking Activity		
	SI04	1000	Service Characte	eristics Qualifier	X	AN 2/2
			Code from an inducharacteristics	stry code list qualifying the type of serv	/ice	
			TB	Blocking/Billing Exception		
	SI05	05 234	Product/Service	ID	X	AN 1/48
			Identifying number	for a product or service		
			BLOCK (PS-53) =	Block		

Segment: SLN Subline Item Detail

Position: 4700

Loop: SLN Optional

Level: Detail Usage: Optional

Max Use:

**Purpose:** To specify product subline detail item data

**Syntax Notes:** 1 If either SLN04 or SLN05 is present, then the other is required.

2 If SLN07 is present, then SLN06 is required.3 If SLN08 is present, then SLN06 is required.

If either SLN09 or SLN10 is present, then the other is required.
If either SLN11 or SLN12 is present, then the other is required.

6 If either SLN13 or SLN14 is present, then the other is required.

7 If either SLN15 or SLN16 is present, then the other is required.

8 If either SLN17 or SLN18 is present, then the other is required.9 If either SLN19 or SLN20 is present, then the other is required.

10 If either SLN21 or SLN22 is present, then the other is required.11 If either SLN23 or SLN24 is present, then the other is required.

**12** If either SLN25 or SLN26 is present, then the other is required.

13 If either SLN27 or SLN28 is present, then the other is required.

**Semantic Notes:** 1 SLN01 is the identifying number for the subline item.

2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.

3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.

4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

**Comments:** 1 See the Data Element Dictionary for a complete list of IDs.

2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.

3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: SLN\*FA\*n\*A\*1\*EA [SLN Loop may repeat per FA/FEATURE pair]

	Ref.	Data			
	Des.	<b>Element</b>	<u>Name</u>		
	<u>Attributes</u>				
M	SLN01	350	Assigned Identification	М	AN 1/20
			Alphanumeric characters assigned for differentiation within set	n a t	ransaction
			"FA"		
	SLN02	350	Assigned Identification	0	AN 1/20
			Alphanumeric characters assigned for differentiation withi set	n a t	ransaction
			"n" = nth assigned ID within SLN loop		
M	SLN03	662	Relationship Code	M	ID 1/1
			Code indicating the relationship between entities		
			A Add		
	SLN04	380	Quantity	X	R 1/15

			Numeric value of quantity				
			1 Always One				
	SLN05	C001	Composite Unit of Measure	X			
	000404	055	examples of use)	,			
М	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				

Position: 4800

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To specify service characteristic data

**Syntax Notes:** 1 If either SI04 or SI05 is present, then the other is required.

If either SI06 or SI07 is present, then the other is required.
If either SI08 or SI09 is present, then the other is required.
If either SI10 or SI11 is present, then the other is required.
If either SI12 or SI13 is present, then the other is required.
If either SI14 or SI15 is present, then the other is required.
If either SI16 or SI17 is present, then the other is required.
If either SI18 or SI19 is present, then the other is required.

If either SI20 or SI21 is present, then the other is required.

**Semantic Notes:** 

**Comments:** 1 Sl01 defines the source for each of the service characteristics

qualifiers.

**Notes:** SI\*TI\*SA\*FA(PS-58)\*SC\*FEATURE(PS-59)

SI\*TI\*FD\*FEATURE DETAIL(PS-60) [SI Segment may repeat]

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

Segment: PO1 Baseline Item Data - DL Form (Delivery

Address/Information Section)

Position: 0100

**Loop:** PO1 Mandatory

Level: Detail Usage: Mandatory

Max Use: 1

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

**Syntax Notes:** 1 If PO103 is present, then PO102 is required.

2 If PO105 is present, then PO104 is required.

If either PO106 or PO107 is present, then the other is required.
 If either PO108 or PO109 is present, then the other is required.
 If either PO110 or PO111 is present, then the other is required.
 If either PO112 or PO113 is present then the other is required.

If either PO112 or PO113 is present, then the other is required.
If either PO114 or PO115 is present, then the other is required.
If either PO116 or PO117 is present, then the other is required.
If either PO118 or PO119 is present, then the other is required.
If either PO120 or PO121 is present, then the other is required.

11 If either PO122 or PO123 is present, then the other is required.

12 If either PO124 or PO125 is present, then the other is required.

**Semantic Notes:** 

**Comments:** 1 See the Data Element Dictionary for a complete list of IDs.

**2** PO101 is the line item identification.

3 PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No.,

ISBN No., Model No., or SKU.

Notes: PO1\*n\*1\*EA\*\*\*ZZ\*DA [PO1 Loop repeats DDQTY(DL-23) times]

Ref.	Data	ŕ						
Des.	<u>Element</u>	<u>Name</u>						
Attributes			_	411.4/00				
PO101	350	Assigned Identification	0	AN 1/20				
		Alphanumeric characters assigned for differentiation within a transaction set						
		"n" = nth assigned ID within PO1 loop						
PO102	330	Quantity Ordered	Χ	R 1/15				
	Quantity ordered							
		1 Always One						
PO103	355	Unit or Basis for Measurement Code	0	ID 2/2				
		Code specifying the units in which a value is being expression manner in which a measurement has been taken EA Each	ssed,	or				
PO106	235	Product/Service ID Qualifier	Χ	ID 2/2				
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)  ZZ Mutually Defined						
PO107	234	Product/Service ID	X	AN 1/48				
		Identifying number for a product or service						
		"DA"						

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.

If either SI06 or SI07 is present, then the other is required.
If either SI08 or SI09 is present, then the other is required.
If either SI10 or SI11 is present, then the other is required.
If either SI12 or SI13 is present, then the other is required.
If either SI14 or SI15 is present, then the other is required.
If either SI16 or SI17 is present, then the other is required.
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 Sl01 defines the source for each of the service characteristics

qualifiers.

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

	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>			
	<u>Attributes</u>					
M	SI01	559	Agency Qualifier Code	М	ID 2/2	
			Code identifying the agency assigning the code values			
			TI Telecommunications Industry			
M	SI02	1000	Service Characteristics Qualifier	М	AN 2/2	
			Code from an industry code list qualifying the type of service characteristics	/ice		
			AD Address Activity			
M	SI03	234	Product/Service ID	M	AN 1/48	
			Identifying number for a product or service			
			DACT (DL-81) = Delivery Activity			

Segment: QTY Quantity

Position: 2930

**Loop:** QTY Optional

Level: Detail
Usage: Optional

Max Use: 1

**Purpose:** To specify quantity information

**Syntax Notes:** 1 At least one of QTY02 or QTY04 is required.

2 Only one of QTY02 or QTY04 may be present.

**Semantic Notes:** 1 QTY04 is used when the quantity is non-numeric.

Comments:

Notes: QTY\*31\*DIRQTYA(DL-103)\*DY

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>	·			
M	QTY01	673	<b>Quantity Qualifier</b>		M	ID 2/2	
			Code specifying the	type of quantity			
			31	Additional Demand Quantity			
	QTY02	380	Quantity		X	R 1/15	
			Numeric value of qua	antity			
			DIRQTYA (DL-103) = Number of Directories for Annual Delivery				
	QTY03	C001	<b>Composite Unit of</b>	Measure	0		
			To identify a compose examples of use)	site unit of measure (See Figures App	pendi	ix for	
M	C00101	355	Unit or Basis for M	easurement Code	M	ID 2/2	
			manner in which a n	units in which a value is being expressioneasurement has been taken Directory Books			
			Number of directory books delivered to customer				

Segment: QTY Quantity

Position: 2930

**Loop:** QTY Optional

Level: Detail Usage: Optional

Max Use: 1

**Purpose:** To specify quantity information

**Syntax Notes:** 1 At least one of QTY02 or QTY04 is required.

2 Only one of QTY02 or QTY04 may be present.

**Semantic Notes:** 1 QTY04 is used when the quantity is non-numeric.

Comments:

Notes: QTY\*38\*DIRQTYNC(DL-104)\*DY

**Data Element Summary** 

			· · · · · · · · · · · · · · · ·		
	Ref. Des.	Data Element	Name		
	Attributes	Licinom	<u>Nume</u>		
M	QTY01	673	Quantity Qualifier	M	ID 2/2
			Code specifying the type of quantity		
			38 Original Quantity		
	QTY02	380	Quantity	X	R 1/15
			Numeric value of quantity		
			DIRQTYNC (DL-104) = Number of Directories Delivered or Connect	ı Nev	V
	QTY03	C001	Composite Unit of Measure	0	
			To identify a composite unit of measure (See Figures Ap examples of use)	pend	ix for
M	C00101	355	Unit or Basis for Measurement Code	M	ID 2/2
			Code apositiving the unite in which a value is being every	2004	or

Code specifying the units in which a value is being expressed, or

manner in which a measurement has been taken

DY Directory Books

Number of directory books delivered to customer

Segment: N1 Name

Position: 3500

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use:

**Purpose:** To identify a party by type of organization, name, and code

**Syntax Notes:** 1 At least one of N102 or N103 is required.

If either N103 or N104 is present, then the other is required.

**Semantic Notes:** 

**Comments:** 1 This segment, used alone, provides the most efficient method of

providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the

transaction processing party.

2 N105 and N106 further define the type of entity in N101.

Notes: N1\*DA\*DELNAME

**Data Element Summary** 

Ref. Data Des. **Element Name Attributes** М **Entity Identifier Code** ID 2/3 N101 98 Code identifying an organizational entity, a physical location, property or an individual DA **Delivery Address** N102 93 Name AN 1/60

Free-form name

"DELNAME"

Segment: N4 Geographic Location

Position: 3800

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use: 1

N403

116

**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.

If N407 is present, then N404 is required.

**Semantic Notes:** 

Comments: 1 A combination of either N401 through N404, or N405 and N406 may

be adequate to specify a location.

2 N402 is required only if city name (N401) is in the U.S. or Canada.

Notes: N4\*\*STATE(DL-99)\*ZIP(DL-100)

**Data Element Summary** 

Ref. Data
Des. Element Name

Attributes
N402 156 State or Province Code X ID 2/2
Code (Standard State/Province) as defined by appropriate government agency
STATE (DL-99) = State/Province

Postal Code O ID 3/15

Code defining international postal zone code excluding punctuation and

blanks (zip code for United States)

ZIP (DL-100) = ZIP/Postal Code

Segment: NX2 Location ID Component

Position: 3850

Loop: N1 Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To define types and values of a geographic location

Syntax Notes: Semantic Notes: Comments:

Ref.

Notes: NX2\*01\*DDANO(DL-85)

Data

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

#### **Data Element Summary**

	Des.	Element	<u>Name</u>			
M	Attributes NX201	1106	Address Compo	nent Qualifier	М	ID 2/2
			Code qualifying th	ne type of address component		
			01	Street Number		
			02	Street Name		
			03	Prefix Direction		
			07	City Name		
			18	Unstructured Mailing Address		
			40	Street Suffix		
			59	Street Number Low		
			61	Street Number Fraction		
			62	Street Name Suffix		
M	NX202	166	Address Informa	ation	M	AN 1/55

#### Address information

DDANO (DL-85) = Delivery Address Number DDASN (DL-88) = Delivery Address Street Name

DDASD (DL-87) = Delivery Address Street Directional Prefix

CITY (DL-98) = City

DDALO (DL-90a) = Delivery Address Location

DDASS (DL-90) = Delivery Address Street Directional Suffix

DDAPR (DL-84) = Delivery Address Number Prefix DDASF (DL-86) = Delivery Address Number Suffix DDATH (DL-89) = Delivery Address Street Type Segment: PO1 Baseline Item Data - DL Form (Service Details Section)

Position: 0100

**Loop:** PO1 Mandatory

Level: Detail Usage: Mandatory

Max Use: 1

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

Syntax Notes: 1 If PO103 is present, then PO102 is required.

2 If PO105 is present, then PO104 is required.

If either PO106 or PO107 is present, then the other is required.
If either PO108 or PO109 is present, then the other is required.
If either PO110 or PO111 is present, then the other is required.
If either PO112 or PO113 is present, then the other is required.
If either PO114 or PO115 is present, then the other is required.
If either PO116 or PO117 is present, then the other is required.
If either PO118 or PO119 is present, then the other is required.
If either PO120 or PO121 is present, then the other is required.
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:**

Updated: January 21, 2002

**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 SIGN.

ISBN No., Model No., or SKU.

Notes: PO1\*n\*1\*EA\*\*\*ZZ\*DL\*SH\*RTY(DL-12) [PO1 Loop may repeat]

Ref. Des.	Data Element	Name		
<b>Attributes</b>		·		
PO101	350	Assigned Identification	0	AN 1/20
		Alphanumeric characters assigned for differentiation within set	n a t	ransaction
		"n" = nth assigned ID within PO1 loop		
PO102	330	Quantity Ordered	Χ	R 1/15
		Quantity ordered		
		1 Always One		
PO103	355	Unit or Basis for Measurement Code	0	ID 2/2
		Code specifying the units in which a value is being expression manner in which a measurement has been taken EA Each	sed,	, or
PO106	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number Product/Service ID (234)  ZZ Mutually Defined	r use	ed in
PO107	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
		"DL"		
PO108	235	Product/Service ID Qualifier	Χ	ID 2/2
		Code identifying the type/source of the descriptive number	r use	ed in

Product/Service ID (234)

SH Service Requested

A numeric or alphanumeric code from a list of

services available to the customer

PO109 234 Product/Service ID X AN 1/48

Identifying number for a product or service

RTY(DL-12) = Record Type

		CI						
	Segment:	<b>SI</b> Se	rvice Chara	cteristic Identification				
	Position:	0180						
	Loop: Level:	PO1 Detail	PO1 Mandatory					
	Usage:	Optional						
	Max Use:	>1						
	Purpose:		fy service ch	aracteristic data				
	Syntax Notes:			SI05 is present, then the other is required.				
				8107 is present, then the other is required.				
				Sign is present, then the other is required.				
				SI11 is present, then the other is required. SI13 is present, then the other is required.				
				B115 is present, then the other is required.				
				SI17 is present, then the other is required.				
				SI19 is present, then the other is required.				
	Onwandia Natan	9 If eit	her SI20 or S	SI21 is present, then the other is required.				
•	Semantic Notes: Comments:	<b>1</b> SI01	defines the	source for each of the service characteristics				
	Comments.		ifiers.	source for each of the service characteristics				
	Notes:		*LACT(DL-10					
			*LTY(DL-13)					
			/*STYC(DL-1					
			*TOA(DL-16) i*DOI(DL-17)					
			*DIRNAME([	OI -34)				
			*BRO(DL-28	· · · · · · · · · · · · · · · · · · ·				
			Data Elemei	•				
			Data Lioinio	iit Suiiiiiai y				
	Ref.	Data		nt Summary				
	Des.			nt Summary				
М	_	Data	<u>Name</u>	•	М	ID 2/2		
M	<u>Des.</u> <u>Attributes</u>	Data <u>Element</u>	Name Agency Qu	nalifier Code	М	ID 2/2		
M	<u>Des.</u> <u>Attributes</u>	Data <u>Element</u>	Name Agency Qu	•	М	ID 2/2		
M	<u>Des.</u> <u>Attributes</u>	Data <u>Element</u>	Name Agency Qu Code identif	nalifier Code fying the agency assigning the code values	M	ID 2/2 AN 2/2		
	<u>Des.</u> <u>Attributes</u> SI01	Data <u>Element</u> 559	Name Agency Qu Code identif TI Service Ch Code from a	ralifier Code fying the agency assigning the code values Telecommunications Industry raracteristics Qualifier an industry code list qualifying the type of serv	М			
	<u>Des.</u> <u>Attributes</u> SI01	Data <u>Element</u> 559	Name Agency Qu Code identif TI Service Ch	ralifier Code fying the agency assigning the code values Telecommunications Industry raracteristics Qualifier an industry code list qualifying the type of serv	<b>M</b> ⁄ice			
	<u>Des.</u> <u>Attributes</u> SI01	Data <u>Element</u> 559	Name Agency Qu Code identif TI Service Ch Code from a characterist	ralifier Code fying the agency assigning the code values Telecommunications Industry rearacteristics Qualifier an industry code list qualifying the type of services	<b>M</b> ⁄ice			
	<u>Des.</u> <u>Attributes</u> SI01	Data <u>Element</u> 559	Name Agency Qu Code identif TI Service Ch Code from a characterist BO	ralifier Code fying the agency assigning the code values Telecommunications Industry representations Qualifier an industry code list qualifying the type of services Business/Residence Placement Over	<b>M</b> ⁄ice			
	<u>Des.</u> <u>Attributes</u> SI01	Data <u>Element</u> 559	Name Agency Qu Code identif TI Service Ch Code from a characterist BO BR	fying the agency assigning the code values Telecommunications Industry naracteristics Qualifier an industry code list qualifying the type of services Business/Residence Placement Over Directory Listings Type of Account	<b>M</b> ⁄ice			
	<u>Des.</u> <u>Attributes</u> SI01	Data <u>Element</u> 559	Name Agency Que Code identif TI Service Ch Code from a characterist BO BR DG	fying the agency assigning the code values Telecommunications Industry paracteristics Qualifier an industry code list qualifying the type of services Business/Residence Placement Over Directory Listings Type of Account Degree of Indent	<b>M</b> ⁄ice			
	<u>Des.</u> <u>Attributes</u> SI01	Data <u>Element</u> 559	Name Agency Qu Code identif TI Service Ch Code from a characterist BO BR DG DN	fying the agency assigning the code values Telecommunications Industry for aracteristics Qualifier an industry code list qualifying the type of services Business/Residence Placement Over Directory Listings Type of Account Degree of Indent Directory Book Name	<b>M</b> ⁄ice			
	<u>Des.</u> <u>Attributes</u> SI01	Data <u>Element</u> 559	Name Agency Que Code identif TI Service Ch Code from a characterist BO BR DG DN LB	fying the agency assigning the code values Telecommunications Industry paracteristics Qualifier an industry code list qualifying the type of services Business/Residence Placement Over Directory Listings Type of Account Degree of Indent Directory Book Name Listing Activity Indicator	<b>M</b> ⁄ice			
	<u>Des.</u> <u>Attributes</u> SI01	Data <u>Element</u> 559	Name Agency Que Code identif TI Service Ch Code from a characterist BO BR DG DN LB LE	fying the agency assigning the code values Telecommunications Industry for aracteristics Qualifier an industry code list qualifying the type of services Business/Residence Placement Over Directory Listings Type of Account Degree of Indent Directory Book Name Listing Activity Indicator Listing Type Style Code	<b>M</b> ⁄ice			
M	<u>Des.</u> <u>Attributes</u> SI01 SI02	Data Element 559 1000	Name Agency Que Code identif TI Service Ch Code from a characterist BO BR DG DN LB LE TW Product/Se	fying the agency assigning the code values Telecommunications Industry for aracteristics Qualifier an industry code list qualifying the type of services Business/Residence Placement Over Directory Listings Type of Account Degree of Indent Directory Book Name Listing Activity Indicator Listing Type Style Code	<b>M</b> vice	AN 2/2		
M	<u>Des.</u> <u>Attributes</u> SI01 SI02	Data Element 559 1000	Name Agency Que Code identif TI Service Che Code from a characterist BO BR DG DN LB LE TW Product/Se Identifying n LACT (DL-1	ralifier Code fying the agency assigning the code values Telecommunications Industry paracteristics Qualifier an industry code list qualifying the type of services Business/Residence Placement Over Directory Listings Type of Account Degree of Indent Directory Book Name Listing Activity Indicator Listing Type Style Code  Pervice ID  number for a product or service 0) = Listing Activity Indicator	<b>M</b> vice	AN 2/2		
M	<u>Des.</u> <u>Attributes</u> SI01 SI02	Data Element 559 1000	Name Agency Que Code identif TI Service Ch Code from a characterist BO BR DG DN LB LE TW Product/Se Identifying in LACT (DL-13)	ralifier Code fying the agency assigning the code values Telecommunications Industry paracteristics Qualifier an industry code list qualifying the type of services Business/Residence Placement Over Directory Listings Type of Account Degree of Indent Directory Book Name Listing Activity Indicator Listing Type Style Code pervice ID number for a product or service 0) = Listing Activity Indicator 1) = Listing Type	<b>M</b> vice	AN 2/2		
M	<u>Des.</u> <u>Attributes</u> SI01 SI02	Data Element 559 1000	Name Agency Que Code identif TI Service Che Code from a characterist BO BR DG DN LB LE TW Product/Se Identifying m LACT (DL-13) STYC (DL-13)	fying the agency assigning the code values Telecommunications Industry for acteristics Qualifier an industry code list qualifying the type of services Business/Residence Placement Over Directory Listings Type of Account Degree of Indent Directory Book Name Listing Activity Indicator Listing Type Style Code  Privice ID  number for a product or service  (0) = Listing Activity Indicator ) = Listing Type (15) = Style Code	<b>M</b> vice	AN 2/2		
M	<u>Des.</u> <u>Attributes</u> SI01 SI02	Data Element 559 1000	Name  Agency Qui Code identifi TI Service Ch Code from a characterist BO BR DG DN LB LE TW Product/Se Identifying n LACT (DL-1 LTY (DL-13) STYC (DL-1 TOA (DL-16)	fying the agency assigning the code values Telecommunications Industry for aracteristics Qualifier an industry code list qualifying the type of sentics Business/Residence Placement Over Directory Listings Type of Account Degree of Indent Directory Book Name Listing Activity Indicator Listing Type Style Code ervice ID number for a product or service  0) = Listing Type (5) = Style Code (5) = Type of Account	<b>M</b> vice	AN 2/2		
M	<u>Des.</u> <u>Attributes</u> SI01 SI02	Data Element 559 1000	Name Agency Que Code identif TI Service Ch Code from a characterist BO BR DG DN LB LE TW Product/Se Identifying n LACT (DL-1 LTY (DL-13) STYC (DL-1 TOA (DL-16) DOI (DL-17)	fying the agency assigning the code values Telecommunications Industry for acteristics Qualifier an industry code list qualifying the type of services Business/Residence Placement Over Directory Listings Type of Account Degree of Indent Directory Book Name Listing Activity Indicator Listing Type Style Code  Privice ID  number for a product or service  (0) = Listing Activity Indicator ) = Listing Type (15) = Style Code	<b>M</b> vice	AN 2/2		

Updated: January 21, 2002

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.

At least one of PID04 or PID05 is required.
If PID07 is present, then PID03 is required.
If PID08 is present, then PID04 is required.
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.

PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is

indeterminate.

4 PID09 is used to identify the language being used in PID05.

Comments: 1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then

PID04 is used. If PID01 equals "X", then both PID04 and PID05 are

used.

2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.

3 PID07 specifies the individual code list of the agency specified in

PID03.

Notes: PID\*S\*\*TI\*AR\*\*\*SO-RSQ\*OMTN(DL-41)

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

#### **Data Element Summary**

		Data Lioi	nont ounmary		
Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>			
PID01	349	Item Descri	ption Type	М	ID 1/1
		Code indicat	ing the format of a description		
		S	Structured (From Industry Code List)		
PID03	559	Agency Qua	alifier Code	X	ID 2/2
		Code identify	ying the agency assigning the code values		
		TI	Telecommunications Industry		
PID04	751	Product Des	scription Code	X	AN 1/12
		A code from	an industry code list which provides specific	data	about a
		product char	acteristic		
		AR	Omit Telephone Number		
		AS	Listed Name Placement		
	Des. Attributes PID01 PID03	Des. Element Attributes PID01 349  PID03 559	Ref. Data Des. Element Name  Attributes PID01 349 Item Descri Code indicat S  PID03 559 Agency Qua Code identify TI  PID04 751 Product Des A code from product chair AR	Des.   Attributes   PID01   349   Item Description Type   Code indicating the format of a description   S   Structured (From Industry Code List)	Ref. Des. Element Name  Attributes PID01 349 Item Description Type Code indicating the format of a description S Structured (From Industry Code List)  PID03 559 Agency Qualifier Code X Code identifying the agency assigning the code values TI Telecommunications Industry  PID04 751 Product Description Code X A code from an industry code list which provides specific data product characteristic AR Omit Telephone Number

Address Indicator

ΑT

AW Direct Mail List

AX No Solicitation Indicator

AY Telemarketing

BA Professional Identifier

PID07 822 Source Subqualifier

O AN 1/15

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

Qualifier

SO-RSQ Service Order - Reseller Questions list

PID08 1073 Yes/No Condition or Response Code

O ID 1/1

Code indicating a Yes or No condition or response

OMTN (DL-41) = Omit TN Y=(DWS: O-Omit)

Blank=(DWS: Blank-Do Not Omit)

LNPL (DL-44) = Letter Name Placement

Y=(DWS: L-Letter Placement)

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

ADI (DL-61) = Address Indicator

Y=(DWS: O-Omit in DA and Directory)
Blank=(DWS: Blank-Do Not Omit)

DML (DL-25) = Direct Mail List

Y=(DWS: O-Omit)

Blank=(DWS: Blank-Do Not Omit)

TMKT (DL-27) = Telemarketing

Y=(DWS: O-Omit From Telemarketing)
Blank=(DWS: Blank-Do Not Omit)

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

Segment: REF Reference Identification

Position: 1000

Loop: PO1 Mandatory

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To specify identifying information

**Syntax Notes:** 1 At least one of REF02 or REF03 is required.

If either C04003 or C04004 is present, then the other is required. If either C04005 or C04006 is present, then the other is required.

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

Comments:

**Notes:** REF\*LI\*ALI(DL-11)

**Data Element Summary** 

Data Ref. **Element Name** Des. **Attributes** М REF01 128 **Reference Identification Qualifier** ID 2/3 М Code qualifying the Reference Identification LI Line Item Identifier (Seller's) REF02 127 **Reference Identification** Χ AN 1/30 Reference information as defined for a particular Transaction Set or as

specified by the Reference Identification Qualifier

ALI (DL-11) = Alpha/Numeric Listing Identifier Code

Segment: **N9** Reference Identification

Position: 3300

Loop: N9 Optional

Level: Detail Usage: Optional

Max Use: 1

**Purpose:** To transmit identifying information as specified by the Reference

Identification Qualifier

**Syntax Notes:** 1 At least one of N902 or N903 is required.

2 If N906 is present, then N905 is required.

3 If either C04003 or C04004 is present, then the other is required.
4 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** 1 N906 reflects the time zone which the time reflects.

2 N907 contains data relating to the value cited in N902.

Comments:

Notes: N9\*82\*PLA

**Data Element Summary** 

Ref. Data

Des. Element Name

<u>Attributes</u>

M N901 128 Reference Identification Qualifier M ID 2/3

Code qualifying the Reference Identification

82 Data Item Description (DID) Reference

Specific data elements that the government will ask a contractor to provide and are spelled out in specific

requirement documents

N902 127 Reference Identification X AN 1/30

Reference information as defined for a particular Transaction Set or as

specified by the Reference Identification Qualifier

"PLA"

Segment: MTX Text

Position: 3400

Loop: N9 Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify textual data

**Syntax Notes:** 1 If MTX01 is present, then MTX02 is required.

If MTX03 is present, then MTX02 is required.If MTX05 is present, then MTX04 is required.

**Semantic Notes:** 1 MTX05 is the number of lines to advance before printing.

Comments: 1 If MTX04 is "AA - Advance the specific number of lines before print",

then MTX05 is required.

Notes: MTX\*\*PLA(DL-55)

**Data Element Summary** 

Ref. Data

Des. Element Name

**Attributes** 

MTX02 1551 Message Text X AN 1/4096

To transmit large volumes of message text

PLA (DL-55) = Place Listing As

Segment: **N9** Reference Identification

Position: 3300

Loop: N9 Optional

Level: Detail
Usage: Optional

Max Use: 1

**Purpose:** To transmit identifying information as specified by the Reference

Identification Qualifier

Syntax Notes: 1 At least one of N902 or N903 is required.

2 If N906 is present, then N905 is required.

3 If either C04003 or C04004 is present, then the other is required.
4 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** 1 N906 reflects the time zone which the time reflects.

2 N907 contains data relating to the value cited in N902.

Comments:

Notes: N9\*82\*LTXTY\*LTXTY(DL-57)

			Data Elem	ent Summary		
	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>			
	<u>Attributes</u>					
M	N901	128	Reference Ic	lentification Qualifier	M	ID 2/3
			Code qualifyir	ng the Reference Identification		
			82	Data Item Description (DID) Re	eference	
				Specific data elements that the a contractor to provide and are requirement documents	•	
	N902	127	Reference Id	lentification	Χ	AN 1/30
				ormation as defined for a particular Ti he Reference Identification Qualifier	ransaction S	Set or as
			"LTXTY"			
	N903	369	Free-form De	escription	Х	AN 1/45
			Free-form des	scriptive text		
			LTXTY (DL-57	') = Listing Text Type		

Segment: MTX Text

Position: 3400

Loop: N9 Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify textual data

**Syntax Notes:** 1 If MTX01 is present, then MTX02 is required.

If MTX03 is present, then MTX02 is required.If MTX05 is present, then MTX04 is required.

**Semantic Notes:** 1 MTX05 is the number of lines to advance before printing.

Comments: 1 If MTX04 is "AA - Advance the specific number of lines before print",

then MTX05 is required.

Notes: MTX\*\* LTEXT(DL-59)

**Data Element Summary** 

Ref. Data

Des. Element Name

**Attributes** 

MTX02 1551 Message Text X AN 1/4096

To transmit large volumes of message text

LTEXT (DL-59) = Line of Text

Segment: **N9** Reference Identification

Position: 3300

Loop: N9 Optional

Level: Detail Usage: Optional

Max Use:

Purpose: To transmit identifying information as specified by the Reference

Identification Qualifier

Syntax Notes: 1 At least one of N902 or N903 is required.

2 If N906 is present, then N905 is required.

3 If either C04003 or C04004 is present, then the other is required.
4 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** 1 N906 reflects the time zone which the time reflects.

2 N907 contains data relating to the value cited in N902.

Comments:

Notes: N9\*H7\*ORI\*DL

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

Segment: MTX Text

Position: 3400

Loop: N9 Optional

Level: Detail
Usage: Optional

Max Use: >1

Purpose: To specify textual data

**Syntax Notes:** 1 If MTX01 is present, then MTX02 is required.

If MTX03 is present, then MTX02 is required.If MTX05 is present, then MTX04 is required.

**Semantic Notes:** 1 MTX05 is the number of lines to advance before printing.

Comments: 1 If MTX04 is "AA - Advance the specific number of lines before print",

then MTX05 is required.

Notes: MTX\*\*REMARKS(DL-113)

**Data Element Summary** 

Ref. Data

Des. Element Name

**Attributes** 

MTX02 1551 Message Text X AN 1/4096

To transmit large volumes of message text

REMARKS (DL-113) = Remarks

Segment: N1 Name

Position: 3500

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use: 1

**Purpose:** To identify a party by type of organization, name, and code

**Syntax Notes:** 1 At least one of N102 or N103 is required.

If either N103 or N104 is present, then the other is required.

**Semantic Notes:** 

Comments: 1 This segment, used alone, provides the most efficient method of

providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the

transaction processing party.

2 N105 and N106 further define the type of entity in N101.

Notes: N1\*DH\*LISTINGS

**Data Element Summary** 

Ref. Data Des. **Element Name Attributes** М **Entity Identifier Code** ID 2/3 N101 98 Code identifying an organizational entity, a physical location, property or an individual DH Doing Business As N102 93 Name AN 1/60

Free-form name

"LISTINGS"

Segment: IN2 Individual Name Structure Components

Position: 3650

Loop: N1 Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To sequence individual name components for maximum specificity

Syntax Notes: Semantic Notes: Comments:

Notes: IN2\*05\*LNLN(DL-45)

IN2\*02\*LNFN(DL-46)\*LNFN(DL-46)

IN2\*21\*DES(DL-47) IN2\*10\*TL(DL-48)\*TL

IN2\*01\*TITLE1(DL-49)\*TITLE1 IN2\*12\*DESD(DL-50a)\*DESD IN2\*10\*TLD(DL-51)\*TLD IN2\*01\*TITLE1D(DL-52)\*TITLE1D

IN2\*18\*NICK(DL-54)

	Ref.	Data	Data Licilici	it Guilliary		
	Des.	Element	Name			
	Attributes					
M	IN201	1104	Name Compor	nent Qualifier	М	ID 2/2
			Code identifying	the type of name component		
			01	Prefix		
			02	First Name		
			05	Last Name		
			10	Generation		
			12	Combined (Unstructured) Name		
			18	Preferred First Name or Nickname		
			21	Professional Title		
M	IN202	93	Name		М	AN 1/60
			Free-form name			
			LNFN (DL-46) = DES (DL-47) = TL (DL-48) = Tit TITLE1 (DL-49) DESD (DL-50a) TLD (DL-51) = TITLE1D (DL-52) NICK (DL-54) =	le of Lineage = Title of Address 1 = Designation for Dual Name Fitle of Lineage for Dual Name P) = Title of Address 1 for Dual Name		
	IN203	93	Name		0	AN 1/60
			Free-form name			
			LNFN (DL-46) = "TL"	: Listed Name First		
			"TITLE1"			
			"DESD"			
			"TLD"			
			"TITLE1D"			

Segment: N4 Geographic Location

Position: 3800

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To specify the geographic place of the named party

**Syntax Notes:** 1 Only one of N402 or N407 may be present.

If N406 is present, then N405 is required.
If N407 is present, then N404 is required.

**Semantic Notes:** 

Comments: 1 A combination of either N401 through N404, or N405 and N406 may

be adequate to specify a location.

2 N402 is required only if city name (N401) is in the U.S. or Canada.

Notes: N4\*\*LAST(DL-71)

**Data Element Summary** 

Ref. Data

Des. Element Name

<u>Attributes</u>

N402 156 State or Province Code X ID 2/2

Code (Standard State/Province) as defined by appropriate government

agency

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

NX2 Location ID Component Segment:

Position: 3850

> Loop: N1 Optional

Level: Detail Optional Usage: Max Use: >1

Purpose: To define types and values of a geographic location

**Syntax Notes: Semantic Notes:** Comments:

Notes:

NX2\*01\*LANO(DL-63) NX2\*02\*LASN(DL-66) NX2\*03\*LASD(DL-65) NX2\*07\*LALOC(DL-70) NX2\*18\*LALO(DL-69) NX2\*40\*LASS(DL-68) NX2\*59\*LAPR(DL-62) NX2\*61\*LASF(DL-64) NX2\*62\*LATH(DL-67)

**Data Element Summary** 

Ref. Data **Element Name** Des.

**Attributes** 

М NX201 1106 **Address Component Qualifier**  M ID 2/2

Code qualifying the type of address component

01 Street Number 02 Street Name 03 Prefix Direction 07 City Name 18

**Unstructured Mailing Address** 

40 Street Suffix Street Number Low 59

61 Street Number Fraction

62 Street Name Suffix

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

Address information

LANO (DL-63) = Listed Address Number LASN (DL-66) = Listed Address Street Name

LASD (DL-65) = Listed Address Street Directional Prefix

LALOC (DL-70) = Listed Address Locality LALO (DL-69) = Listed Address Location

LASS (DL-68) = Listed Address Street Directional Suffix

LAPR (DL-62) = Listed Address Number Prefix LASF (DL-64) = Listed Address Number Suffix LATH (DL-67) = Listed Address Street Type

Segment: SI Service Characteristic Identification

Position: 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.

If either SI06 or SI07 is present, then the other is required.
If either SI08 or SI09 is present, then the other is required.
If either SI10 or SI11 is present, then the other is required.
If either SI12 or SI13 is present, then the other is required.
If either SI14 or SI15 is present, then the other is required.
If either SI16 or SI17 is present, then the other is required.
If either SI18 or SI19 is present, then the other is required.

9 If either SI20 or SI21 is present, then the other is required.

**Semantic Notes:** 

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

qualifiers.

Notes: SI\*TI\*TN\*LTN(DL-39)

SI\*TI\*NS\*NSTN(DL-40)

#### **Data Element Summary**

	Ref.	Data				
	Des.	<u>Element</u>	<u>Name</u>			
	<u>Attributes</u>					
M	SI01	559	<b>Agency Qualifie</b>	r Code	М	ID 2/2
			Code identifying t	the agency assigning the code values		
			П	Telecommunications Industry		
M	SI02	1000	Service Charact	eristics Qualifier	M	AN 2/2
			Code from an ind characteristics	lustry code list qualifying the type of serv	/ice	
			NS	Non-Standard Telephone Number		
			TN	Telephone Number		
M	SI03	234	Product/Service	e ID	М	AN 1/48
			Identifying number	er for a product or service		
			LTN (DL-39) = Lis	sted Telephone Number		

NSTN (DL-40) = Non Standard Telephone Number

Segment: PO1 Baseline Item Data - Dummy (DD)

Position: 0100

**Loop:** PO1 Mandatory

Level: Detail
Usage: Mandatory

Max Use: 1

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

**Syntax Notes:** 1 If PO103 is present, then PO102 is required.

2 If PO105 is present, then PO104 is required.

If either PO106 or PO107 is present, then the other is required.
If either PO108 or PO109 is present, then the other is required.
If either PO110 or PO111 is present, then the other is required.
If either PO112 or PO113 is present, then the other is required.
If either PO114 or PO115 is present, then the other is required.
If either PO116 or PO117 is present, then the other is required.
If either PO118 or PO119 is present, then the other is required.
If either PO120 or PO121 is present, then the other is required.
If either PO122 or PO123 is present, then the other is required.
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

Ref.	Data			
Des.	<b>Element</b>	<u>Name</u>		
<u>Attributes</u>				
PO101	350	Assigned Identification	0	AN 1/20
		Alphanumeric characters assigned for differentiation within set	n a t	ransaction
		"DUMMY"		
PO102	330	Quantity Ordered	Χ	R 1/15
		Quantity ordered		
		1 Always One		
PO103	355	Unit or Basis for Measurement Code	0	ID 2/2
		Code specifying the units in which a value is being expression manner in which a measurement has been taken EA Each	ssed	or
PO106	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number Product/Service ID (234)  ZZ Mutually Defined	er use	ed in
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 setSyntax Notes: 1 If either CTT03 or CTT04 is present, then the other is required.

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

**Semantic Notes:** 

**Comments:** 1 This segment is intended to provide hash totals to validate

transaction completeness and correctness.

Notes: CTT\*Number of PO1 Segments

**Data Element Summary** 

Ref. Data

Des. Element Name

<u>Attributes</u>

M CTT01 354 Number of Line Items

M N0 1/6

Total number of line items in the transaction set

Segment: **SE** Transaction Set Trailer

Position: 0300

Loop:

Level: Summary Usage: Mandatory

Max Use: 1

Purpose: To indicate the end of the transaction set and provide the count of the

transmitted segments (including the beginning (ST) and ending (SE)

segments)

Syntax Notes:

Semantic Notes:

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

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

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

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

## Functional Group ID=PC

#### Introduction:

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

This implementation guideline references the following:

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

#### Notes:

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

## **Heading:**

	Pos. <u>No.</u>	Seg. <u>ID</u>	<u>Name</u>	Req. <u>Des</u> .	Max.Use	Loop Notes and RepeatComments
М	0100	ST	Transaction Set Header	M	1	
М	0200	BCH	Beginning Segment for Purchase Order Change	М	1	
	0500	REF	Reference Identification	0	>1	
	0950	PAM	Period Amount	0	10	
			LOOP ID - SAC			25
	1200	SAC	Service, Promotion, Allowance, or Charge Information	0	1	
	1500	DTM	Date/Time Reference	0	10	
	1850	SI	Service Characteristic Identification	0	>1	
	1900	PID	Product/Item Description	0	200	
	2100	PWK	Paperwork	0	25	
			LOOP ID - N9			1000
	2850	N9	Reference Identification	0	1	
	2900	MTX	Text	0	>1	
			LOOP ID - N9			1000
	2850	N9	Reference Identification	0	1	
	2900	MTX	Text	Ο	>1	
			LOOP ID - N9			1000
	2850	N9	Reference Identification	0	1	
	2900	MTX	Text	0	>1	
			LOOP ID - N1			200
	3000	N1	Name	0	1	
	3350	NX2	Location ID Component	0	>1	

3500	PER	Administrative Communications Contact	0	>1	
		LOOP ID - N1			200
3000	N1	Name	0	1	
		LOOP ID - N1			200
3000	N1	Name	0	1	
3500	PER	Administrative Communications Contact	0	>1	
		LOOP ID - N1			200
3000	N1	LOOP ID - N1 Name	0	1	200
3000 3100	N1 N2		0	1 2	200
		Name	_	1 2 >1	200
3100	N2	Name Additional Name Information	0	_	200
3100 3300	N2 N4	Name Additional Name Information Geographic Location	0	>1	200

## Detail:

Pos. <u>No.</u>	Seg. <u>ID</u>	<u>Name</u>	Req. <u>Des</u> .	Max.Use	Loop Notes and RepeatComments
		LOOP ID - POC			>1
0100	POC	Line Item Change - End User Form (Location and Access Section)	0	1	
		LOOP ID - PID			1000
0500	PID	Product/Item Description	0	1	
1000	REF	Reference Identification	0	>1	
		LOOP ID - N1			200
3400	N1	Name	0	1	
3700	N4	Geographic Location	0	1	
3750	NX2	Location ID Component	0	>1	
3950	SI	Service Characteristic Identification	0	>1	
		LOOP ID - N1			200
3400	N1	Name	0	1	
3800	REF	Reference Identification	0	12	
		LOOP ID - POC			>1
0100	POC	Line Item Change - End User Form (Disconnect Information Section)	0	1	
0180	SI	Service Characteristic Identification	0	>1	
1000	REF	Reference Identification	0	>1	
2000	DTM	Date/Time Reference	0	10	
		LOOP ID - SLN			>1
4600	SLN	Subline Item Detail	0	1	
4700	SI	Service Characteristic Identification	0	>1	
		LOOP ID - N1			10
5360	N1	Name	0	1	
5700	REF	Reference Identification	0	12	
		LOOP ID - SLN			>1

4600	SLN	Subline Item Detail	0	1		[1
4700	SI	Service Characteristic Identification	0	>1		
		LOOP ID - N1			10	
5360	N1	Name	0	1		
5700	REF	Reference Identification	0	12		
		LOOP ID - POC			>1	LL
0100	POC	Line Item Change - Port Service Form	0	1		
0180	SI	Service Characteristic Identification	0	>1		
		LOOP ID - PID			1000	
0500	PID	Product/Item Description	0	1		
1000	REF	Reference Identification	0	>1		
2000	DTM	Date/Time Reference	0	10		
		LOOP ID - N1			200	
3400	N1	Name	0	1		
		LOOP ID - N1			200	
3400	N1	Name	0	1		
		LOOP ID - SLN			>1	
4600	SLN	Subline Item Detail	0	1	, ,	
4700	SI	Service Characteristic Identification	0	>1		
		LOOP ID - N1			10	
5360	N1	Name	0	1		
5700	REF	Reference Identification	0	12		
		LOOP ID - SLN			>1	
4600	SLN	Subline Item Detail	0	1		
4700	SI	Service Characteristic Identification	0	>1		
		LOOP ID - N1			10	
5360	N1	Name	0	1		
5700	REF	Reference Identification	0	12		
		LOOP ID - SLN			>1	
4600	SLN	Subline Item Detail	0	1		
4700	SI	Service Characteristic Identification	0	>1		
		LOOP ID - SLN			>1	
4600	SLN	Subline Item Detail	0	1		
4700	SI	Service Characteristic Identification	0	>1		
		LOOP ID - POC			>1	
0100	POC	Line Item Change - DL Form (Delivery	0	1		
0180	SI	Address/Information Section) Service Characteristic Identification	0	>1		
0.00	•	LOOP ID - QTY			>1	
2930	QTY	Quantity	0	1		
		LOOP ID - QTY			>1	
2930	QTY	Quantity	0	1	>1	
2000	<b>Q</b> (1)			'	000	
		LOOP ID - N1			200	

3400	N1	Name	0	1	
3700	N4	Geographic Location	0	1	
3750	NX2	Location ID Component	0	>1	
		LOOP ID - POC			>1
0100	POC	Line Item Change - DL Form (Service Details Section)	0	1	
0180	SI	Service Characteristic Identification	0	>1	
		LOOP ID - PID			1000
0500	PID	Product/Item Description	0	1	
1000	REF	Reference Identification	0	>1	
		LOOP ID - N9			1000
3200	N9	Reference Identification	0	1	
3260	MTX	Text	0	>1	
		LOOP ID - N9			1000
3200	N9	LOOP ID - N9 Reference Identification	0	1	1000
3200 3260	N9 MTX		0	1 >1	1000
	-	Reference Identification	_	•	1000
	-	Reference Identification Text	_	•	
3260	MTX	Reference Identification Text LOOP ID - N9	0	>1	
3260 3200	MTX N9	Reference Identification Text  LOOP ID - N9 Reference Identification	0	1	
3260 3200	MTX N9	Reference Identification Text  LOOP ID - N9 Reference Identification Text	0	1	1000
3260 3200 3260	MTX N9 MTX	Reference Identification Text  LOOP ID - N9 Reference Identification Text  LOOP ID - N1	0 0 0	1 >1	1000
3260 3200 3260 3400	MTX N9 MTX N1	Reference Identification Text  LOOP ID - N9 Reference Identification Text  LOOP ID - N1 Name	0 0 0	1 >1	1000
3260 3200 3260 3400 3550	MTX N9 MTX N1 IN2	Reference Identification Text  LOOP ID - N9 Reference Identification Text  LOOP ID - N1 Name Individual Name Structure Components	0 0 0	1 >1 1 >1 1 >1	1000

## **Summary:**

	Pos. <u>No.</u>	Seg. <u>ID</u>	g. Req <u>Name</u> <u>Des</u>		Max.Use	Loop Notes and RepeatComments		
			LOOP ID - CTT			1		
	0100	CTT	Transaction Totals	0	1	n1		
М	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:

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 #

			Dala Ele	ement Summary		
	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>			
M	ST01	143	Transactio	n Set Identifier Code	M	ID 3/3
			Code uniqu	ely identifying a Transaction Set		
			860	Purchase Order Change Request	- Buyer	Initiated
M	ST02	329	Transactio	n Set Control Number	M	AN 4/9
				control number that must be unique within group assigned by the originator for a trans		

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

Position: 0200

Loop:

Level: Heading Usage: Mandatory

Max Use:

**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)

	Ref.	Data			
	Des.	<u>Element</u>	<u>Name</u>		
	<u>Attributes</u>				
M	BCH01	353	Transaction Set Purpose Code	M	ID 2/2
			Code identifying purpose of transaction set		
			SUP (LSR-25) = Supplement Type 01 = (DWS : 1-Cancel)		
			04 = (DWS : 2-DDD Change) 05 = (DWS : 3-Other)		
M	BCH02	92	Purchase Order Type Code	М	ID 2/2
			Code specifying the type of Purchase Order		
			SS Supply or Service Order		
M	BCH03	324	Purchase Order Number	M	AN 1/22
			Identifying number for Purchase Order assigned by the orderer/purchaser		
			PON (LSR-2) = Purchase Order Number		
	BCH05	327	Change Order Sequence Number	0	AN 1/8
			Number assigned by the orderer identifying a specific characteristic revision to a previously transmitted transaction set	nge	or
			VER (LSR-3) = Version Identification		
M	BCH06	373	Date	М	DT 8/8
			Date expressed as CCYYMMDD		
			PO Date = Purchase Order Date (See Trading Partner Ad Information)	ccess	3

REF Reference Identification Segment:

Position: 0500

Loop:

Level: Heading Usage: Optional >1

Max Use:

Purpose: To specify identifying information

**Syntax Notes:** 1 At least one of REF02 or REF03 is required.

If either C04003 or C04004 is present, then the other is required. If either C04005 or C04006 is present, then the other is required.

REF04 contains data relating to the value cited in REF02.

**Semantic Notes:** Comments:

Dof

Notes: REF\*11\*AN(LSR-7)\*AN

> REF\*11\*EAN(EU-40)\*EAN REF\*JB\*PROJECT(LSR-20) REF\*SU\*RTR(LSR-28)\*RTR REF\*CO\*RPON(LSR-51)\*RPON REF\*1V\*RORD(LSR-52)\*RORD REF\*12\*BAN1(LSR-61)\*BAN1 REF\*OW\*ORD(PS-6)\*ORD

#### **Data Element Summary**

	Ret.	Data				
	Des.	<b>Element</b>	<u>Name</u>			
	<u>Attributes</u>					
M	REF01	128	Reference Identi	fication Qualifier	M	ID 2/3
			Code qualifying the	e Reference Identification		
			11	Account Number		
			12	Number identifies a telecommunicat account Billing Account	ions i	ndustry
				Account number under which billing	is ren	dered
			1V	Related Vendor Order Number	.0 .0	
			СО	A vendor's order number that is in ac primary order number Customer Order Number	ddition	to a
			JB	Job (Project) Number		
			OW	Service Order Number		
			SU	Number assigned when a customer and equipment and which appears of Special Processing Code		s service
				Unique code identifying the special I requirements for the claim	nandli	ng
	REF02	127	Reference Identi	fication	X	AN 1/30

X AN 1/30 Reference information as defined for a particular Transaction Set or as

specified by the Reference Identification Qualifier

AN (LSR-7) = Account Number

EAN (EU-40) = Existing Account Number PROJECT (LSR-20) = Project Identification RTR (LSR-28) = Response Type Requested RPON (LSR-51) = Related Purchase Order Number

RORD(LSR-52) = Related Order Number

BAN1 (LSR-61) = Billing Account Number 1 ORD (PS-6) = Order Number Description REF03 352 Χ AN 1/80 A free-form description to clarify the related data elements and their content "AN" "EAN" "RTR" "RPON" "RORD" "BAN1" "ORD"

Segment: PAM Period Amount

Position: 0950

Loop:

Level: Heading Usage: Optional Max Use: 10

**Purpose:** To indicate a quantity, and/or amount for an identified period

**Syntax Notes:** 1 If any of PAM01 PAM02 or PAM03 is present, then all are required.

2 At least one of PAM02 PAM05 or PAM14 is required.

3 If either PAM04 or PAM05 is present, then the other is required.
4 If either PAM06 or PAM07 is present, then the other is required.
5 If PAM07 is present, then at least one of PAM08 or PAM09 is

required.

If PAM07 is present, then PAM06 is required.
If PAM08 is present, then PAM07 is required.
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:

Ref.

Notes: PAM\*T5\*LOCQTY(LSR-5)\*EA

PAM\*48\*PG\_of\_(LSR-10)(1st 2 Bytes)\*EA PAM\*47\*PG\_of\_(LSR-10)(2nd 2 Bytes)\*EA

PAM\*KC\*DQTY(EU-5)\*EA PAM\*QP\*PQTY(PS-5)\*EA PAM\*BH\*DDQTY(DL-23)\*EA

#### **Data Element Summary**

Des.	<u>Element</u>	<u>Name</u>
Attributes PAM01	673	Quantity Qualifier
		Code specifying the typ

Data

X ID 2/2

Code specifying the type of quantity
47 Primary Net Quantity
48 Secondary Net Quantity
BH Book Order Quantity
KC Net Quantity Decrease

The resultant quantity represents a net decrease to a previously transmitted quantity, after adjustments

have been made

QP Quantity by Position
T5 Total Number of Units

PAM02 380 Quantity X R 1/15

Numeric value of quantity

LOCQTY (LSR-5) = Location Quantity First 2 bytes of PG\_of\_ (LSR-10) Second 2 bytes of PG\_of\_ (LSR-10)

			DQTY (EU-5) = Disconnect Quantity PQTY (PS-5) = Port Quantity DDQTY (DL-23) = Number of Delivery Segments		
	PAM03	C001	Composite Unit of Measure	Х	
			To identify a composite unit of measure (See Figure examples of use)	res Append	dix for
M	C00101	355	Unit or Basis for Measurement Code	M	ID 2/2
			Code specifying the units in which a value is being manner in which a measurement has been taken  EA  Each	expressed	, or

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

Position: 1200

> Loop: SAC Optional

Level: Heading Optional Usage:

Max Use:

Purpose: To request or identify a service, promotion, allowance, or charge; to

specify the amount or percentage for the service, promotion, allowance,

or charge

At least one of SAC02 or SAC03 is required. **Syntax Notes:** 

> 2 If either SAC03 or SAC04 is present, then the other is required.

> If either SAC06 or SAC07 is present, then the other is required. 3 4 If either SAC09 or SAC10 is present, then the other is required.

If SAC11 is present, then SAC10 is required.

If SAC13 is present, then at least one of SAC02 or SAC04 is required.

7 If SAC14 is present, then SAC13 is required. If SAC16 is present, then SAC15 is required.

**Semantic Notes:** If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.

> SAC05 is the total amount for the service, promotion, allowance, or charge.

If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.

SAC08 is the allowance or charge rate per unit.

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:

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.

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.

SAC\*N\*\*TI\*EXP [If this segment appears then EXP(LSR-26) = "Y"] Notes:

**Data Element Summary** 

Data Ref. Des. **Element Name Attributes** 

248 М SAC01 Allowance or Charge Indicator ID 1/1

Code which indicates an allowance or charge for the service specified

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

**DTM** Date/Time Reference Segment:

1500 Position:

Loop:

Level: Heading Usage: Optional Max Use:

Purpose: To specify pertinent dates and times

**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM05 is required.

If DTM04 is present, then DTM03 is required.

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				
	Des.	<u>Element</u>	<u>Name</u>			
	Attributes			_		
М	DTM01	374	Date/Time Qualif		М	ID 3/3
			Code specifying ty	pe of date or time, or both date and tin	ne	
			097	Transaction Creation		
			150	Service Period Start		
			270	Date Filed		
			992	Date Requested		
	DTM02	373	Date		X	DT 8/8
			Date expressed as	S CCYYMMDD		
			D/TSENT (LSR-12	) = Date Sent		
			DDD (LSR-14) = D			
			,	= Date of Agency Authorization		
	DTM03	337	Time		X	TM 4/8
			•	24-hour clock time as follows: HHMM,		
				HHMMSSDD, where $H = hours (00-23)$		
			` ,	er seconds (00-59) and DD = decimal stare expressed as follows: D = tenths (0		
			hundredths (00-99)		o, ui	110 DD =
			` '	(LSR-12) = Time Sent		
	DTM05	1250	Date Time Period	d Format Qualifier	Χ	ID 2/3
			Code indicating the	e date format, time format, or date and	time	format
			TM	Time Expressed in Format HHMM		
				Time expressed in the format HHMM	wher	e HH is
				the numerical expression of hours in	the da	ay based
				on a twenty-four hour clock and MM i	s the	numerical
	DTMOC	4054	Data Tima Davis	expression of minutes within an hour	v	A N. 4/05
	DTM06	1251	Date Time Period		Х	AN 1/35
			Expression of a datimes	ate, a time, or range of dates, times or o	dates	and
				(LSR-15) = Appointment Time		
				(LOIX-10) - 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.

If either SI06 or SI07 is present, then the other is required.
If either SI08 or SI09 is present, then the other is required.
If either SI10 or SI11 is present, then the other is required.
If either SI12 or SI13 is present, then the other is required.
If either SI14 or SI15 is present, then the other is required.
If either SI16 or SI17 is present, then the other is required.

If either SI18 or SI19 is present, then the other is required.If either SI20 or SI21 is present, then the other is required.

**Semantic Notes:** 

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

qualifiers.

Notes: SI\*TI\*TY\*TOS(LSR-44)

SI\*TI\*RE\*REQTYP(LSR-23) SI\*TI\*AA\*ACT(LSR-24) SI\*TI\*PW\*PORTTYP(LSR-38) SI\*TI\*LO\*LST(LSR-42)

SI\*TI\*NC\*NC(LSR-46) SI\*TI\*NI\*NCI(LSR-48)

#### **Data Element Summary**

	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>			
	<u>Attributes</u>					
M	SI01	559	<b>Agency Qualifier</b>	Code	М	ID 2/2
			Code identifying th	ne agency assigning the code values		
			TI	Telecommunications Industry		
M	SI02	1000	Service Characte	eristics Qualifier	M	AN 2/2
			Code from an inducharacteristics	stry code list qualifying the type of serv	ice	
			AA	Account Activity		
			LO	Local Exchange Carrier Service Office	)	
			NC	Network Channel		
			NI	Network Channel Interface		
			PW	Port Type		
			RE	Requisition Type		
			TY	Type of Service		
M	SI03	234	Product/Service	ID	M	AN 1/48
			والمساوية والمارية والمارية والمارية والمارية	for a much set on combo		

Identifying number for a product or service

ACT (LSR-24) = Activity

A=(DWS : N-New Installation)

D=(DWS: D-Disconnect of Entire Account)

C=(DWS : C-Change)

V=(DWS: V-Conv. As Specified)

Z=(DWS: Z-Conversion As Spec/No Listing)

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

Position: 1900

Comments:

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.

At least one of PID04 or PID05 is required.
If PID07 is present, then PID03 is required.
If PID08 is present, then PID04 is required.
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.

1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then

 $\mbox{PID04}$  is used. If  $\mbox{PID01}$  equals "X", then both  $\mbox{PID04}$  and  $\mbox{PID05}$  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)

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

PID07 822 Source Subqualifier O AN 1/15

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

Qualifier

SO-RSQ Service Order - Reseller Questions list

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

Code indicating a Yes or No condition or response

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

PWK Paperwork Segment:

Position: 2100

Loop:

Level: Heading Usage: Optional Max Use:

Purpose: To identify the type or transmission or both of paperwork or supporting

information

**Syntax Notes:** 

If either PWK05 or PWK06 is present, then the other is required.

**Semantic Notes:** 

Comments: 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.

PWK\*DW\*NS\*1\*DG\*91\*DRC(LSR-98) Notes:

Data Element Summary							
	Ref.	Data					
	Des.	<u>Element</u>	<u>Name</u>				
М	Attributes PWK01	755	Report Type Cod	0	М	ID 2/2	
IVI	PWKUI	755					
			item	e title or contents of a document, repor	t or s	supporting	
			DW	Drawing(s)			
	PWK02	756	Report Transmiss		0	ID 1/2	
			•	ng, transmission method or format by v	vhich	renorts	
			are to be sent	ing, transmission metries of fermat by v		roporto	
			NS	Not Specified			
				Indicates that a report will be transmit	ted v	∕ia a	
				nonspecified medium			
	PWK03	757	Report Copies N	eeded	0	N0 1/2	
			The number of cop	pies of a report that should be sent to the	ne ac	ddressee	
			1	Always One			
	PWK04	98	<b>Entity Identifier C</b>	Code	0	ID 2/3	
			Code identifying a an individual	n organizational entity, a physical locat	ion,	property or	
			DG	Design Engineering			
				Identifies the design engineer or office	of the	he design	
				engineer who will receive design spec			
	PWK05	66	Identification Co	de Qualifier	X	ID 1/2	
			Code designating Identification Code	the system/method of code structure uses (67)	sed f	for	
			91	Assigned by Seller or Seller's Agent			
	PWK06	67	Identification Co	de	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:

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)

	Ref.	Data	·		
	Des.	<b>Element</b>	<u>Name</u>		
	<u>Attributes</u>				
M	N901	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			H7 Standard Clause		
	N902	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transact specified by the Reference Identification Qualifier ORI Order Instructions	ion S	Set or as
	N903	369	Free-form Description	X	AN 1/45
			Free-form descriptive text		
			"EU"		
	N907	C040	Reference Identifier	0	
			To identify one or more reference numbers or identification specified by the Reference Qualifier	า nur	mbers as
M	C04001	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			2W Change Order Authority		
M	C04002	127	Reference Identification	M	AN 1/30
			Reference information as defined for a particular Transact specified by the Reference Identification Qualifier	ion S	Set or as
			MANUAL IND (EU-63a) = Manual Indicator		

MTX Text Segment:

Position: 2900

> N9 Loop: Optional

Level: Heading Usage: Optional Max Use: >1

Purpose: To specify textual data

**Syntax Notes:** 1 If MTX01 is present, then MTX02 is required.

If MTX03 is present, then MTX02 is required. If MTX05 is present, then MTX04 is required.

**Semantic Notes:** MTX05 is the number of lines to advance before printing. 1

Comments: If MTX04 is "AA - Advance the specific number of lines before print",

then MTX05 is required.

MTX\*\*REMARKS(EU-63) Notes:

**Data Element Summary** 

Ref. Data

**Element Name** Des.

**Attributes** 

MTX02 1551 **Message Text** Χ AN 1/4096

To transmit large volumes of message text

REMARKS (EU-63) = Remarks

Segment: **N9** Reference Identification

Position: 2850

Loop: N9 Optional

Level: Heading Usage: Optional

Max Use:

**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)

	Ref.	Data			
	Des.	<b>Element</b>	<u>Name</u>		
	<u>Attributes</u>				
M	N901	128	Reference Identification Qualifier	М	ID 2/3
			Code qualifying the Reference Identification		
			H7 Standard Clause		
	N902	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transact specified by the Reference Identification Qualifier ORI Order Instructions	ion S	Set or as
	N903	369	Free-form Description	X	AN 1/45
			Free-form descriptive text		
			"LSR"		
	N907	C040	Reference Identifier	0	
			To identify one or more reference numbers or identification specified by the Reference Qualifier	n nur	mbers as
M	C04001	128	Reference Identification Qualifier	М	ID 2/3
			Code qualifying the Reference Identification		
			2W Change Order Authority		
M	C04002	127	Reference Identification	М	AN 1/30
			Reference information as defined for a particular Transact specified by the Reference Identification Qualifier	ion S	Set or as
			MANUAL IND (LSR-108a) = Manual Indicator		

Segment: MTX Text

Position: 2900

Loop: N9 Optional

Level: Heading Usage: Optional Max Use: >1

Purpose: To specify textual data

**Syntax Notes:** 1 If MTX01 is present, then MTX02 is required.

If MTX03 is present, then MTX02 is required.If MTX05 is present, then MTX04 is required.

**Semantic Notes:** 1 MTX05 is the number of lines to advance before printing.

Comments: 1 If MTX04 is "AA - Advance the specific number of lines before print",

then MTX05 is required.

Notes: MTX\*\*REMARKS(LSR-108)

**Data Element Summary** 

Ref. Data

Des. Element Name

**Attributes** 

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:

**Purpose:** To transmit identifying information as specified by the Reference

Identification Qualifier

**Syntax Notes:** 1 At least one of N902 or N903 is required.

2 If N906 is present, then N905 is required.

3 If either C04003 or C04004 is present, then the other is required.
4 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** 1 N906 reflects the time zone which the time reflects.

2 N907 contains data relating to the value cited in N902.

Comments:

Notes: N9\*H7\*ORI\*PORT\*\*\*\*2W>MANUAL IND(PS-61a)

	Ref.	Data	·		
	Des.	<b>Element</b>	<u>Name</u>		
	<u>Attributes</u>				
M	N901	128	Reference Identification Qualifier	М	ID 2/3
			Code qualifying the Reference Identification		
			H7 Standard Clause		
	N902	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transact specified by the Reference Identification Qualifier ORI Order Instructions	ion S	Set or as
	N903	369	Free-form Description	X	AN 1/45
			Free-form descriptive text		
			"PORT"		
	N907	C040	Reference Identifier	0	
			To identify one or more reference numbers or identification specified by the Reference Qualifier	n nu	mbers as
M	C04001	128	Reference Identification Qualifier	М	ID 2/3
			Code qualifying the Reference Identification		
			2W Change Order Authority		
M	C04002	127	Reference Identification	M	AN 1/30
			Reference information as defined for a particular Transact specified by the Reference Identification Qualifier	ion S	Set or as
			MANUAL IND (PS-61a) = Manual Indicator		

Segment: MTX Text

Position: 2900

Loop: N9 Optional

Level: Heading Usage: Optional Max Use: >1

Purpose: To specify textual data

**Syntax Notes:** 1 If MTX01 is present, then MTX02 is required.

If MTX03 is present, then MTX02 is required.

If MTX05 is present, then MTX04 is required.

**Semantic Notes:** 1 MTX05 is the number of lines to advance before printing.

Comments: 1 If MTX04 is "AA - Advance the specific number of lines before print",

then MTX05 is required.

Notes: MTX\*\*REMARKS(PS-61)

**Data Element Summary** 

Ref. Data

Des. Element Name

**Attributes** 

MTX02 1551 Message Text X AN 1/4096

To transmit large volumes of message text

REMARKS (PS-61) = Remarks

Segment: N1 Name

Position: 3000

Loop: N1 Optional

Level: Heading Usage: Optional

Max Use:

**Purpose:** To identify a party by type of organization, name, and code

**Syntax Notes:** 1 At least one of N102 or N103 is required.

If either N103 or N104 is present, then the other is required.

**Semantic Notes:** 

Comments: 1 This segment, used alone, provides the most efficient method of

providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the

transaction processing party.

2 N105 and N106 further define the type of entity in N101.

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

**Data Element Summary** 

Ref. Data Des. **Element Name Attributes** М **Entity Identifier Code** N101 98 ID 2/3 Code identifying an organizational entity, a physical location, property or an individual 78 Service Requester N102 93 Name AN 1/60

Free-form name

CCNA (LSR-1) = Customer Carrier Name Abbreviation

NX2 Location ID Component Segment:

Position: 3350

> Loop: N1 Optional

Level: Heading Usage: Optional Max Use:

Purpose: To define types and values of a geographic location

**Syntax Notes: Semantic Notes:** Comments:

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

> > **Data Element Summary**

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

Address information

APOT (LSR-41) = Additional Point of Termination

PER Administrative Communications Contact Segment:

Position: 3500

> N1 Loop: Optional

Heading Level: Usage: Optional Max Use:

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

should be directed

If either PER03 or PER04 is present, then the other is required. **Syntax Notes:** 

If either PER05 or PER06 is present, then the other is required. 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 S	Summary		
	Ref.	Data				
	Des.	<u>Element</u>	<u>Name</u>			
N4	Attributes	200	Contact Function	Cada	B.4	ID 0/0
М	PER01	366	Contact Function		M	ID 2/2
			named	e major duty or responsibility of the pe	rson	or group
			AG	Agent		
			CN	General Contact		
	PER02	93	Name	Concrai Contact	0	AN 1/60
	LINOZ	00	Free-form name		·	7117 1700
			INIT (LSR-81) = Ini	tiator Identification		
			` ,	= Implementation Contact		
	PER03	365	Communication I	•	Х	ID 2/2
			Code identifying th	e type of communication number		
			TE	Telephone		
	PER04	364	Communication I	Number	X	AN 1/256
			Complete commun	nications number including country or a	rea c	code when
			applicable			
			,	= Telephone Number		
	PER05	365	Communication I	= Telephone Number	X	ID 2/2
	PERUS	303		e type of communication number	^	10 2/2
			BN	**		
			FX	Beeper Number Facsimile		
	PER06	364	Communication I		Х	AN 1/256
	PERUO	304				
			applicable	nications number including country or a	irea (	code when
				= Facsimile Number		
			PAGER (LSR-93) :			
	PER07	365	Communication I		X	ID 2/2
			, ,	e 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

Name Segment:

Position: 3000

> Loop: N1 Optional

Level: Heading Usage: Optional

Max Use:

Purpose: To identify a party by type of organization, name, and code

**Syntax Notes:** At least one of N102 or N103 is required.

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.

N105 and N106 further define the type of entity in N101.

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

**Data Element Summary** 

Ref. Data Des. **Element Name Attributes** М N101 98 **Entity Identifier Code** ID 2/3 Code identifying an organizational entity, a physical location, property or an individual ΑN Authorized From A geographic location designated as an authorized pick-up or origin point for a shipment N102 93

Name Χ AN 1/60

Free-form name

AUTHNM (LSR-37) = Authorization Name

Segment: N1 Name

Position: 3000

Loop: N1 Optional

Level: Heading 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.

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 Des. **Element Name Attributes** М N101 98 **Entity Identifier Code** 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 Χ AN 1/60

Free-form name

DSGCON (LSR-97) = Design/Engineering Contact

PER Administrative Communications Contact Segment:

Position: 3500

> Loop: N1 Optional

Level: Heading Usage: Optional Max Use:

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

should be directed

If either PER03 or PER04 is present, then the other is required. **Syntax Notes:** 1

If either PER05 or PER06 is present, then the other is required. If either PER07 or PER08 is present, then the other is required.

**Semantic Notes:** Comments:

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

**Data Element Summary** 

Ref. Data **Element Name** Des. **Attributes** М PER01 366 **Contact Function Code** ID 2/2 Code identifying the major duty or responsibility of the person or group named DE Design Engineer PER03 365 **Communication Number Qualifier** X ID 2/2 Code identifying the type of communication number FΧ Facsimile PER04 364 **Communication Number** AN 1/256

Complete communications number including country or area code when

applicable

FAX NO (LSR-100) = Facsimile Number

Segment: N1 Name

Position: 3000

Loop: N1 Optional

Level: Heading Usage: Optional

Max Use: 1

**Purpose:** To identify a party by type of organization, name, and code

**Syntax Notes:** 1 At least one of N102 or N103 is required.

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 Des. **Element Name Attributes** М **Entity Identifier Code** N101 98 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 AN 1/60 Χ

Free-form name

BILLNM (EU-43) = Bill Name

Segment: N2 Additional Name Information

Position: 3100

Loop: N1 Optional

Level: Heading Usage: Optional

Max Use: 2

**Purpose:** To specify additional names

Syntax Notes: Semantic Notes: Comments:

Notes: N2\*SBILLNM(EU-44)

**Data Element Summary** 

Ref. Data

Des. Element Name

<u>Attributes</u>

M N201 93 Name M AN 1/60

Free-form name

SBILLNM (EU-44) = Secondary Billing Name

Segment: N4 Geographic Location

Position: 3300

Loop: N1 Optional

Level: Heading Usage: Optional

Max Use: >1

N403

116

**Purpose:** To specify the geographic place of the named party

**Syntax Notes:** 1 Only one of N402 or N407 may be present.

If N406 is present, then N405 is required.
If N407 is present, then N404 is required.

**Semantic Notes:** 

**Comments:** 1 A combination of either N401 through N404, or N405 and N406 may

be adequate to specify a location.

2 N402 is required only if city name (N401) is in the U.S. or Canada.

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

**Data Element Summary** 

Ref. Data
Des. Element Name

Attributes
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

Postal Code
O ID 3/15
Code defining international postal zone code excluding punctuation and

blanks (zip code for United States)

biariks (zip code for officed state

ZIP (EU-50) = ZIP/Postal Code

NX2 Location ID Component Segment:

3350 Position:

> Loop: N1 Optional

Level: Heading Usage: Optional Max Use:

Purpose: To define types and values of a geographic location

**Syntax Notes: Semantic Notes:** Comments:

Notes:

NX2\*01\*SANO(EU-45b)

NX2\*02\*SASN(EU-45e) NX2\*03\*SASD(EU-45d) NX2\*07\*CITY(EU-48) NX2\*32\*FLOOR(EU-46)

NX2\*35\*ROOM/MAIL STOP(EU-47)

NX2\*40\*SASS(EU-45g) NX2\*59\*SAPR(EU-45a) NX2\*61\*SASF(EU-45c) NX2\*62\*SATH(EU-45f)

## **Data Element Summary**

	Ref. Des.	Data Element	<u>Name</u>	· · · · · ·		
	Attributes	Liement	<u>ivanie</u>			
M	NX201	1106	Address Compo	nent Qualifier	М	ID 2/2
			Code qualifying the	e 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	a buil	ding
			40	Street Suffix		
			59	Street Number Low		
			61	Street Number Fraction		
			62	Street Name Suffix		
M	NX202	166	Address Informa	tion	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

Democratic

**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.

If either PER05 or PER06 is present, then the other is required.
If either PER07 or PER08 is present, then the other is required.

Semantic Notes: Comments:

oomments.

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

**Data Element Summary** 

Data Ref. **Element Name** Des. **Attributes** М PER01 366 **Contact Function Code** ID 2/2 Code identifying the major duty or responsibility of the person or group named ВΙ Bill Inquiry Contact Service Provider contact for making inquires about information on the invoice PER02 93 Name AN 1/60 Free-form name BILLCON (EU-51) = Billing Contact PER03 365 **Communication Number Qualifier** ID 2/2 Χ 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.

If either SI06 or SI07 is present, then the other is required.
If either SI08 or SI09 is present, then the other is required.
If either SI10 or SI11 is present, then the other is required.
If either SI12 or SI13 is present, then the other is required.
If either SI14 or SI15 is present, then the other is required.
If either SI16 or SI17 is present, then the other is required.

If either SI18 or SI19 is present, then the other is required.
If either SI20 or SI21 is present, then the other is required.

**Semantic Notes:** 

**Comments:** 1 Sl01 defines the source for each of the service characteristics

qualifiers.

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

	Ref. <u>Des.</u> Attributes	Data <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 serv characteristics	ice	
			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.

If either POC08 or POC09 is present, then the other is required.
If either POC10 or POC11 is present, then the other is required.
If either POC12 or POC13 is present, then the other is required.
If either POC14 or POC15 is present, then the other is required.
If either POC16 or POC17 is present, then the other is required.
If either POC18 or POC19 is present, then the other is required.
If either POC20 or POC21 is present, then the other is required.
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.

POC01 is the purchase order line item identification.

Semantic Notes: Comments:

**Notes:** POC\*n\*RZ\*\*\*\*\*\*ZZ\*EU SA [POC Loop may repeat]

	Ref.	Data			
	Des.	<u>Element</u>	<u>Name</u>		
	Attributes	050	Analysis of Island Colors	_	ANI 4/00
	POC01	350	Assigned Identification	•	
			Alphanumeric characters assigned for differentiation within set	n a tr	ansaction
			"n" = nth assigned ID within POC loop	M ID 2/2 em corresponding values in vith the values contained ge Transaction Set X ID 2/2	
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 correspor the original purchase order with the va in the Purchase Order Change Transa	alues	contained
	POC08	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number Product/Service ID (234)  ZZ Mutually Defined	r use	d in
	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:

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

**Syntax Notes:** 1 If PID04 is present, then PID03 is required.

At least one of PID04 or PID05 is required.
If PID07 is present, then PID03 is required.
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.

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 Lienient	Sullillal y		
	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>			
М	PID01	349	Item Description	Туре	M	ID 1/1
			Code indicating the	e format of a description		
			S	Structured (From Industry Code List)		
	PID03	559	<b>Agency Qualifier</b>	Code	X	ID 2/2
			Code identifying th	ne agency assigning the code values		
			TI	Telecommunications Industry		
	PID04	751	<b>Product Descript</b>	ion Code	X	AN 1/12
			A code from an inc product characteri ANV	dustry code list which provides specific stic Address Not Valid Indicator	data	about a
	PID07	822	Source Subquali	ifier	0	AN 1/15
			A reference that in Qualifier	ndicates the table or text maintained by	the S	Source
			SO-RSQ	Service Order - Reseller Questions lis	st	
	PID08	1073	Yes/No Condition	or Response Code	0	ID 1/1
			Code indicating a	Yes or No condition or response		
			ANV (EU-8a) = Ac	dress 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.

If either C04003 or C04004 is present, then the other is required.
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 Gammary			
	Ref. <u>Des.</u>	Data <u>Element</u>	<u>Name</u>			
	<u>Attributes</u>					
М	REF01	128	Reference Identification Qualifier	M	ID 2/3	
			Code qualifying the Reference Identification			
			IX Item Number			
	REF02	127	Reference Identification	X	AN 1/30	
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
	LOCNUM (EU-7) = Location Number					
	REF03	352	Description	Х	AN 1/80	
			A free-form description to clarify the related data elements content	s and	d their	
			"LOCNUM"			

Segment: N1 Name

Position: 3400

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use:

**Purpose:** To identify a party by type of organization, name, and code

**Syntax Notes:** 1 At least one of N102 or N103 is required.

If either N103 or N104 is present, then the other is required.

**Semantic Notes:** 

Comments: 1 This segment, used alone, provides the most efficient method of

providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the

transaction processing party.

2 N105 and N106 further define the type of entity in N101.

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

**Data Element Summary** 

Ref. Data Des. **Element Name Attributes** М **Entity Identifier Code** ID 2/3 N101 98 Code identifying an organizational entity, a physical location, property or an individual IT Installation on Site N102 93 Name AN 1/60

Free-form name

NAME (EU-8) = End User Name

Segment: N4 Geographic Location

Position: 3700

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use: 1

**Purpose:** To specify the geographic place of the named party **Syntax Notes:** 1 Only one of N402 or N407 may be present.

If N406 is present, then N405 is required.
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)

Ret.	Data					
Des.	<b>Element</b>	<u>Name</u>				
Attributes						
N402	156	State or Province Code	X	ID 2/2		
		Code (Standard State/Province) as defined by appropriate agency	gov	ernment		
		STATE (EU-25) = State/Province				
N403	116	Postal Code	0	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	0	AN 1/30		
		Code which identifies a specific location				
		CALA (EU-26a) = Customer Address Location Area				

Segment: NX2 Location ID Component

Position: 3750

Loop: N1 Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To define types and values of a geographic location

Syntax Notes: Semantic Notes: Comments:

Notes: NX2\*01\*SANO(EU-11)

NX2\*02\*SASN(EU-14) NX2\*03\*SASD(EU-13) NX2\*05\*BOX(EU-23c) NX2\*06\*ROUTE(EU-23b) NX2\*07\*CITY(EU-24) NX2\*39\*AHN(EU-23a) NX2\*40\*SASS(EU-16) NX2\*59\*SAPR(EU-10) NX2\*61\*SASF(EU-12) NX2\*62\*SATH(EU-15)

NX2\*LD1 (EU-17)\*LV1 (EU-18) NX2\*LD2 (EU-19)\*LV2 (EU-20) NX2\*LD3 (EU-21)\*LV3 (EU-22)

## **Data Element Summary**

Ref. Data

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

Attributes

M 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

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 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 Informa	tion M AN 1/55		
			Address information	on		
				Service Address Number		
			` ,	Service Address Street Name		
			SASD (EU-13) = Service Address Street Directional Prefix BOX (EU-23c) = Box Number ROUTE (EU-23b) = Route			
			CITY (EU-24) = C			
			,	Assigned House Number		
				Service Address Street Directional Suffix		
				Service Address Number Prefix		
			SASF (EU-12) $= 8$	Service Address Number Suffix		
			O A TILL /FILL 4 F)	)		

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.

If either SI06 or SI07 is present, then the other is required.
If either SI08 or SI09 is present, then the other is required.
If either SI10 or SI11 is present, then the other is required.
If either SI12 or SI13 is present, then the other is required.
If either SI14 or SI15 is present, then the other is required.
If either SI16 or SI17 is present, then the other is required.
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 Sl01 defines the source for each of the service characteristics

qualifiers.

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

	Ref.	Data			
	<u>Des.</u>	<u>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		AN 2/2
			Code from an industry code list qualifying the type of service characteristics	/ice	
			AF Address Format Type		
M	SI03	234	Product/Service ID		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:

**Purpose:** To identify a party by type of organization, name, and code

**Syntax Notes:** 1 At least one of N102 or N103 is required.

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
Des. Element Name
Attributes

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

REF Reference Identification Segment:

Position:

N1 Loop: 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.

If either C04003 or C04004 is present, then the other is required. If either C04005 or C04006 is present, then the other is required.

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

Comments:

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

**Data Element Summary** 

Data Ref. **Element Name** Des. **Attributes** М REF01 128 **Reference Identification Qualifier** ID 2/3 М Code qualifying the Reference Identification MJ Model Number REF02 127 **Reference Identification** Χ AN 1/30

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

Segment: POC Line Item Change - End User Form (Disconnect

Information Section)

Position: 0100

Loop: POC Optional

Level: Detail Usage: Optional

Max Use: 1

**Purpose:** To specify changes to a line item

Syntax Notes: 1 If POC03 is present, then both POC04 and POC05 are required.

2 If POC07 is present, then POC06 is required.

If either POC08 or POC09 is present, then the other is required.
If either POC10 or POC11 is present, then the other is required.
If either POC12 or POC13 is present, then the other is required.
If either POC14 or POC15 is present, then the other is required.
If either POC16 or POC17 is present, then the other is required.
If either POC18 or POC19 is present, then the other is required.
If either POC20 or POC21 is present, then the other is required.
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.

POC01 is the purchase order line item identification.

**12** If either POC26 or POC27 is present, then the other is required.

Semantic Notes: Comments:

Notes:

POC\*n\*RZ\*\*\*\*\*\*ZZ\*EU DISC [POC Loop may repeat]

	Ref.	Data					
	<u>Des.</u> Attributes	<u>Element</u>	<u>Name</u>				
	POC01	350	Assigned Identification	0	AN 1/20		
	1 0001	330	Alphanumeric characters assigned for differentiation within a transaction set				
			"n" = nth assigned ID within POC loop				
M	POC02	670	Change or Response Type Code	М	ID 2/2		
			Code specifying the type of change to the line item				
			RZ Replace All Values				
Receiver should replace the corresponding the original purchase order with the vinit has a context of the purchase of the purchase order change or the purchase or the purchas				values contained			
	POC08	235	Product/Service ID Qualifier	X	ID 2/2		
			Code identifying the type/source of the descriptive number Product/Service ID (234)  ZZ Mutually Defined	er use	ed in		
	POC09	234	Product/Service ID	X	AN 1/48		
			Identifying number for a product or service				
			"EU_DISC"				

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.

If either SI06 or SI07 is present, then the other is required.
If either SI08 or SI09 is present, then the other is required.
If either SI10 or SI11 is present, then the other is required.
If either SI12 or SI13 is present, then the other is required.
If either SI14 or SI15 is present, then the other is required.
If either SI16 or SI17 is present, then the other is required.
If either SI18 or SI19 is present, then the other is required.

**9** If either SI20 or SI21 is present, then the other is required.

**Semantic Notes:** 

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

qualifiers.

Notes: SI\*TI\*ND\*DISC NBR(EU-55)

SI\*TI\*T6\*TC OPT(EU-57)

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>	•		
M	SI01	559	<b>Agency Qualifier</b>	Code	M	ID 2/2
			Code identifying th	e agency assigning the code values		
			TI	Telecommunications Industry		
M	SI02	1000	<b>Service Characte</b>	ristics Qualifier	M	AN 2/2
			Code from an indu characteristics	stry code list qualifying the type of serv	rice	
			ND	Disconnect Number		
			T6	Transfer of Call Options		
M	SI03	234	Product/Service	ID	M	AN 1/48
			Identifying number	for a product or service		
				) = Disconnect Telephone Number Transfer of Call Options		

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.

If either C04003 or C04004 is present, then the other is required. If either C04005 or C04006 is present, then the other is required.

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

Comments:

Notes: REF\*IX\*DNUM(EU-54)\*DNUM

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

Segment: DTM Date/Time Reference

Position: 2000

Loop: POC Optional

Level: Detail
Usage: Optional
Max Use: 10

**Purpose:** To specify pertinent dates and times

**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM05 is required.

If DTM04 is present, then DTM03 is required.

**3** If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:** 

Comments:

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

**Data Element Summary** 

Ref. Data

Des. Element Name

Attributes

M DTM01 374 Date/Time Qualifier M ID 3/3

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

376 Delivery End

The date that deliveries will end

DTM02 373 Date X

Date expressed as CCYYMMDD

TC PER (EU-62) = Transfer of Calls Period

**DT 8/8** 

Position: 4600

Loop: SLN Optional

Level: Detail Usage: Optional

Max Use:

**Purpose:** To specify product subline detail item data

**Syntax Notes:** 1 If either SLN04 or SLN05 is present, then the other is required.

2 If SLN07 is present, then SLN06 is required.3 If SLN08 is present, then SLN06 is required.

If either SLN09 or SLN10 is present, then the other is required.
 If either SLN11 or SLN12 is present, then the other is required.

6 If either SLN13 or SLN14 is present, then the other is required.

7 If either SLN15 or SLN16 is present, then the other is required.

If either SLN17 or SLN18 is present, then the other is required.If either SLN19 or SLN20 is present, then the other is required.

10 If either SLN21 or SLN22 is present, then the other is required.

11 If either SLN23 or SLN24 is present, then the other is required.12 If either SLN25 or SLN26 is present, then the other is required.

13 If either SLN27 or SLN28 is present, then the other is required.

**Semantic Notes:** 1 SLN01 is the identifying number for the subline item.

2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.

3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.

**4** SLN08 is a code indicating the relationship of the price or amount to the associated segment.

**Comments:** 1 See the Data Element Dictionary for a complete list of IDs.

2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.

3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

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

	Ref.	Data					
	Des.	<b>Element</b>	<u>Name</u>				
	<u>Attributes</u>						
М	SLN01	350	Assigned Identification	M	AN 1/20		
			Alphanumeric characters assigned for differentiation within a transaction set				
			"TCPRI"				
	SLN02	350	Assigned Identification	0	AN 1/20		
			Alphanumeric characters assigned for differentiation within set	n a t	ransaction		
			"n" = nth assigned ID within SLN loop				
M	SLN03	662	Relationship Code	M	ID 1/1		
			Code indicating the relationship between entities				
			A Add				
	SLN04	380	Quantity	X	R 1/15		

			Numeric value of quantity		
			1 Always One		
	SLN05	C001	Composite Unit of Measure	X	
М	C00101	355	To identify a composite unit of measure (See Figure examples of use)  Unit or Basis for Measurement Code	s Append <b>M</b>	dix for
IVI	COUTOT	333			
			Code specifying the units in which a value is being e manner in which a measurement has been taken EA Each	xpressed	, or

Position: 4700

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To specify service characteristic data

**Syntax Notes:** 1 If either SI04 or SI05 is present, then the other is required.

If either SI06 or SI07 is present, then the other is required.
If either SI08 or SI09 is present, then the other is required.
If either SI10 or SI11 is present, then the other is required.
If either SI12 or SI13 is present, then the other is required.
If either SI14 or SI15 is present, then the other is required.
If either SI16 or SI17 is present, then the other is required.
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 Sl01 defines the source for each of the service characteristics

qualifiers.

Notes: SI\*TI\*TC\*TC TO PRI(EU-58)

	Ref. <u>Des.</u> Attributes	Data <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 serv characteristics	ice	
			TC Transfer Announcement Number		
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
			TC TO PRI (EU-58) = Transfer of Calls to Primary Number	r	

Name Segment:

Position: 5360

> N1 Loop: Optional

Level: Detail Usage: Optional

Max Use:

Purpose: To identify a party by type of organization, name, and code

**Syntax Notes:** At least one of N102 or N103 is required.

If either N103 or N104 is present, then the other is required.

**Semantic Notes:** 

This segment, used alone, provides the most efficient method of Comments: 1

providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the

transaction processing party.

N105 and N106 further define the type of entity in N101.

N1\*TT\*TC NAME(EU-58b) Notes:

**Data Element Summary** 

Ref. Data Des. **Element Name Attributes** М **Entity Identifier Code** N101 98 ID 2/3 Code identifying an organizational entity, a physical location, property or an individual TT Transfer To N102 93 Name AN 1/60

Free-form name

TC NAME (EU-58b) = Transfer of Calls to Name

Position: 5700

**Loop:** N1 Optional

Level: Detail
Usage: Optional
Max Use: 12

**Purpose:** To specify identifying information

**Syntax Notes:** 1 At least one of REF02 or REF03 is required.

If either C04003 or C04004 is present, then the other is required. If either C04005 or C04006 is present, then the other is required.

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

Comments:

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

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>		
M	REF01	128	Reference Identification Qu	alifier M	ID 2/3
			Code qualifying the Reference Identification		
			55 Sequence	Number	
	REF02	127	Reference Identification	X	AN 1/30
			Reference information as defin specified by the Reference Ide TCID (EU-58a) = Transfer of Ca		Set or as
	REF03	352	Description	X	AN 1/80
		332	•	y the related data elements and	

Position: 4600

Loop: SLN Optional

Level: Detail Usage: Optional

Max Use:

**Purpose:** To specify product subline detail item data

**Syntax Notes:** 1 If either SLN04 or SLN05 is present, then the other is required.

2 If SLN07 is present, then SLN06 is required.3 If SLN08 is present, then SLN06 is required.

If either SLN09 or SLN10 is present, then the other is required.
If either SLN11 or SLN12 is present, then the other is required.

6 If either SLN13 or SLN14 is present, then the other is required.

If either SLN15 or SLN16 is present, then the other is required.
 If either SLN17 or SLN18 is present, then the other is required.

9 If either SLN19 or SLN20 is present, then the other is required.10 If either SLN21 or SLN22 is present, then the other is required.

11 If either SLN23 or SLN24 is present, then the other is required.12 If either SLN25 or SLN26 is present, then the other is required.

13 If either SLN27 or SLN28 is present, then the other is required.

**Semantic Notes:** 1 SLN01 is the identifying number for the subline item.

2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.

3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.

4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

**Comments:** 1 See the Data Element Dictionary for a complete list of IDs.

2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.

3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

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

	Ref.	Data					
	Des.	<u>Element</u>	<u>Name</u>				
	<u>Attributes</u>						
M	SLN01	350	Assigned Identification	M	AN 1/20		
			Alphanumeric characters assigned for differentiation within a transaction set				
			"TCSEC"				
	SLN02	350	Assigned Identification	0	AN 1/20		
			Alphanumeric characters assigned for differentiation within set	n a t	ransaction		
			"n" = nth assigned ID within SLN loop				
M	SLN03	662	Relationship Code	M	ID 1/1		
			Code indicating the relationship between entities				
			A Add				
	SLN04	380	Quantity	X	R 1/15		

			Numeric value of quantity		
			1 Always One		
	SLN05	C001	Composite Unit of Measure	X	
54	C00404	255	To identify a composite unit of measure (See Figures examples of use)	• •	
M	C00101	355	Unit or Basis for Measurement Code		ID 2/2
			Code specifying the units in which a value is being exmanner in which a measurement has been taken EA Each	kpressed,	or

Position: 4700

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

**Syntax Notes:** 1 If either SI04 or SI05 is present, then the other is required.

If either SI06 or SI07 is present, then the other is required.
If either SI08 or SI09 is present, then the other is required.
If either SI10 or SI11 is present, then the other is required.
If either SI12 or SI13 is present, then the other is required.
If either SI14 or SI15 is present, then the other is required.
If either SI16 or SI17 is present, then the other is required.
If either SI18 or SI19 is present, then the other is required.

If either SI20 or SI21 is present, then the other is required.

**Semantic Notes:** 

**Comments:** 1 Sl01 defines the source for each of the service characteristics

qualifiers.

Notes: SI\*TI\*TC\*TC TO SEC(EU-59)

	Ref. <u>Des.</u> Attributes	Data <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 serv characteristics	ice	
			TC Transfer Announcement Number		
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
			TC TO SEC (EU-59) = Transfer of Calls to Secondary Nur	mber	•

Name Segment:

Position: 5360

> N1 Loop: Optional

Level: Detail Usage: Optional

Max Use:

Purpose: To identify a party by type of organization, name, and code

**Syntax Notes:** At least one of N102 or N103 is required.

If either N103 or N104 is present, then the other is required.

**Semantic Notes:** 

This segment, used alone, provides the most efficient method of Comments: 1

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.

N1\*TT\*TC NAME(EU-61) Notes:

**Data Element Summary** 

Ref. Data Des. **Element Name Attributes** М **Entity Identifier Code** N101 98 ID 2/3 Code identifying an organizational entity, a physical location, property or an individual TT Transfer To N102 93 Name AN 1/60

Free-form name TC NAME (EU-61) = Transfer of Calls to Name

Position: 5700

**Loop:** N1 Optional

Level: Detail
Usage: Optional
Max Use: 12

**Purpose:** To specify identifying information

**Syntax Notes:** 1 At least one of REF02 or REF03 is required.

If either C04003 or C04004 is present, then the other is required.
If either C04005 or C04006 is present, then the other is required.

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

Comments:

Notes: REF\*55\*TCID(EU-60)\*SEC

			<b></b>			
	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>			
l	REF01	128	Reference	Identification Qualifier	M	ID 2/3
			Code qualify	ring the Reference Identification		
			55	Sequence Number		
	REF02	127	Reference	Identification	X	AN 1/30
				nformation as defined for a particular Transac the Reference Identification Qualifier	tion	Set or as
			TCID (EU-60	0) = Transfer of Calls to Identifier		
	REF03	352	Description	1	Χ	AN 1/80
			A free-form of content	description to clarify the related data element	s an	d their
			"SEC"			

Segment: POC Line Item Change - Port Service Form

Position: 0100

Loop: POC Optional

Level: Detail Usage: Optional

Max Use: 1

**Purpose:** To specify changes to a line item

**Syntax Notes:** 1 If POC03 is present, then both POC04 and POC05 are required.

2 If POC07 is present, then POC06 is required.

If either POC08 or POC09 is present, then the other is required.
If either POC10 or POC11 is present, then the other is required.
If either POC12 or POC13 is present, then the other is required.
If either POC14 or POC15 is present, then the other is required.
If either POC16 or POC17 is present, then the other is required.
If either POC18 or POC19 is present, then the other is required.
If either POC20 or POC21 is present, then the other is required.
If either POC22 or POC23 is present, then the other is required.

If either POC24 or POC25 is present, then the other is required.If either POC26 or POC27 is present, then the other is required.

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

Comments:

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

	Dof	Doto	Data Element Gammary		
	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>		
	POC01	350	Assigned Identification	0	AN 1/20
			Alphanumeric characters assigned for differentiation within set	n a tr	ransaction
			"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 corresport the original purchase order with the value in the Purchase Order Change Transa	alues	contained
	POC08	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number Product/Service ID (234)  ZZ Mutually Defined	r use	ed in
	POC09	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
			"PS"		

SI Service Characteristic Identification Segment: 0180 Position: POC Loop: Optional

Level: Detail

Usage: Optional Max Use: >1

Purpose: To specify service characteristic data

**Syntax Notes:** If either SI04 or SI05 is present, then the other is required. 1

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. If either SI10 or SI11 is present, then the other is required. If either SI12 or SI13 is present, then the other is required. If either SI14 or SI15 is present, then the other is required. If either SI16 or SI17 is present, then the other is required.

If either SI18 or SI19 is present, then the other is required. If either SI20 or SI21 is present, then the other is required.

**Semantic Notes:** 

Comments: SI01 defines the source for each of the service characteristics

qualifiers.

Notes: SI\*TI\*SA\*LNA(PS-12)

> SI\*TI\*TN\*TNS(PS-16) SI\*TI\*OT\*OTN(PS-20) SI\*TI\*CM\*CKR(PS-29) SI\*TI\*CN\*ECCKT(PS-32) SI\*TI\*T6\*TC OPT(PS-33) SI\*TI\*TS\*SGNL(PS-48) SI\*TI\*SY\*SSIG(PS-49)

#### **Data Element Summary**

			Data Lioinioni	ourmany		
	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>			
	<b>Attributes</b>					
M	SI01	559	<b>Agency Qualifier</b>	Code	M	ID 2/2
			Code identifying th	ne agency assigning the code values		
			П	Telecommunications Industry		
M	SI02	1000	Service Characte	eristics Qualifier	M	AN 2/2
			Code from an inducharacteristics	stry code list qualifying the type of serv	ice	
			CM	Local Service Providers Circuit Number	er	
			CN	Circuit Number Identification		
			OT	Out Telephone Number		
			SA	Service Activity		
			SY	Start Signaling		
			T6	Transfer of Calls Options		
			TN	Telephone Number		
			TS	Type of Signaling		
M	SI03	234	Product/Service	ID	M	AN 1/48

Identifying number for a product or service

LNA (PS-12) = Line Activity CT=(DWS: X-TN Change) C=(DWS: C-Change)

A=(DWS: N-New)

D=(DWS: D-Disconnect)

V=(DWS: V-Conversion As Specified)

P=(DWS: P-PIC Change)

TNS (PS-16) = Telephone Numbers OTN (PS-20) = Out Telephone Number

CKR (PS-29) = Customer Circuit Reference

ECCKT (PS-32) = Exchange Company Circuit ID

TC OPT (PS-33) = Transfer of Call Options

SGNL (PS-48) = Signaling

SSIG (PS-49) = Start Signaling

Segment: PID Product/Item Description

Position: 0500

Loop: PID Optional

Level: Detail Usage: Optional

Max Use:

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

**Syntax Notes:** 1 If PID04 is present, then PID03 is required.

At least one of PID04 or PID05 is required.
If PID07 is present, then PID03 is required.
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.

PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is

indeterminate.

4 PID09 is used to identify the language being used in PID05.

Comments: 1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then

PID04 is used. If PID01 equals "X", then both PID04 and PID05 are

used.

2 Use PID06 when necessary to refer to the product surface or layer

being described in the segment.

3 PID07 specifies the individual code list of the agency specified in

PID03.

Notes: PID\*X\*\*TI\*CFA\*CFA(PS-46)

			Data Element Summary		
	Ref. Des.	Data <u>Element</u>	<u>Name</u>		
М	Attributes PID01	349	Item Description Type	М	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 product characteristic  CFA  Connecting Facility Assignment	data	about a
	PID05	352	Description	Х	AN 1/80
			A free-form description to clarify the related data element content	ts and	d their
			CFA (PS-46) = Connecting Facility Assignment		

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.

If either C04003 or C04004 is present, then the other is required.
If either C04005 or C04006 is present, then the other is required.

REF04 contains data relating to the value cited in REF02.

Semantic Notes:

Comments:

Notes:

REF\*IX\*LOCNUM(PS-8)\*LOCNUM

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

**Data Element Summary** 

Ref. Data

Des. Element Name

<u>Attributes</u>

M REF01 128 Reference Identification Qualifier M ID 2/3

Code qualifying the Reference Identification

AE Authorization for Expense (AFE) Number

GP Government Priority Number

IX Item Number

REF02 127 Reference Identification X AN 1/30

Reference information as defined for a particular Transaction Set or as

specified by the Reference Identification Qualifier

LOCNUM (PS-8) = Location Number

LNUM (PS-9) = Line Number

TSP (PS-27) = Telecommunications Service Priority SAN (PS-28) = Subscriber Authorization Number

REF03 352 Description X AN 1/80

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

content

"LOCNUM"
"LNUM"

Segment: DTM Date/Time Reference

Position: 2000

Loop: POC Optional

Level: Detail
Usage: Optional
Max Use: 10

**Purpose:** To specify pertinent dates and times

**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM05 is required.

If DTM04 is present, then DTM03 is required.

**3** If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:** 

Comments:

Notes: DTM\*376\*TC PER{CCYYMMDD}(PS-38)

**Data Element Summary** 

Ref. Data

Des. Element Name

Attributes

M DTM01 374 Date/Time Qualifier M ID 3/3

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

376 Delivery End

The date that deliveries will end

DTM02 373 Date X DT 8/8

Date expressed as CCYYMMDD

TC PER (PS-38) = Transfer of Calls Period

Segment: N1 Name

Position: 3400

Loop: N1 Optional

Level: Detail
Usage: Optional

Max Use:

**Purpose:** To identify a party by type of organization, name, and code

**Syntax Notes:** 1 At least one of N102 or N103 is required.

If either N103 or N104 is present, then the other is required.

**Semantic Notes:** 

Comments: 1 This segment, used alone, provides the most efficient method of

providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the

transaction processing party.

2 N105 and N106 further define the type of entity in N101.

Notes: N1\*P9\*\*41\*PIC(PS-22)

			Data Element 3	bummary		
	Ref. Des.	Data Element	Name	•		
	Attributes	Liement	<u>ivaine</u>			
M	N101	98	Entity Identifier C	ode	M	ID 2/3
			Code identifying ar an individual	n organizational entity, a physical locat	ion, p	oroperty or
			P9	Primary Interexchange Carrier (PIC)		
				Identifies the carrier who will handle the interexchange calls	ne	
	N103	66	Identification Co	de Qualifier	X	ID 1/2
			Code designating t Identification Code	he system/method of code structure u (67)	sed f	or
			41	Telecommunications Carrier Identifica	ation (	Code
				Identifies the Interexchange carrier fo being billed	r the	charges
	N104	67	Identification Cod	le	X	AN 2/80
			Code identifying a	party or other code		
			PIC (PS-22) = Inter	LATA Pre-subscription Indicator Code		

Segment: N1 Name

Position: 3400

Loop: N1 Optional

Level: Detail
Usage: Optional

Max Use:

**Purpose:** To identify a party by type of organization, name, and code

**Syntax Notes:** 1 At least one of N102 or N103 is required.

If either N103 or N104 is present, then the other is required.

**Semantic Notes:** 

**Comments:** 1 This segment, used alone, provides the most efficient method of

providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the

transaction processing party.

2 N105 and N106 further define the type of entity in N101.

Notes: N1\*8V\*\*41\*LPIC(PS-23)

			Data Liciliciti Sullillary		
	Ref.	Data	•		
	Des.	<b>Element</b>	<u>Name</u>		
	<u>Attributes</u>				
М	N101	98	Entity Identifier Code	M ID 2/3	
			Code identifying an organizational ean individual	entity, a physical location, property or	
			8V Primary Intra-LA	TA (Local Access Transport Area)	
			Carrier		
	N103	66	Identification Code Qualifier	X ID 1/2	
			Code designating the system/methol Identification Code (67)	d of code structure used for	
			41 Telecommunica	ions Carrier Identification Code	
			Identifies the Inte being billed	erexchange carrier for the charges	
	N104	67	Identification Code	X AN 2/80	
			Code identifying a party or other cod	le	
			LPIC (PS-23) = IntraLATA Pre-subse	cription Indicator Code	

Position: 4600

Loop: SLN Optional

Level: Detail Usage: Optional

Max Use:

**Purpose:** To specify product subline detail item data

**Syntax Notes:** 1 If either SLN04 or SLN05 is present, then the other is required.

2 If SLN07 is present, then SLN06 is required.3 If SLN08 is present, then SLN06 is required.

If either SLN09 or SLN10 is present, then the other is required.
If either SLN11 or SLN12 is present, then the other is required.
If either SLN13 or SLN14 is present, then the other is required.

7 If either SLN15 or SLN16 is present, then the other is required.
8 If either SLN17 or SLN18 is present, then the other is required.
9 If either SLN19 or SLN20 is present, then the other is required.
10 If either SLN21 or SLN22 is present, then the other is required.

11 If either SLN23 or SLN24 is present, then the other is required.12 If either SLN25 or SLN26 is present, then the other is required.

13 If either SLN27 or SLN28 is present, then the other is required.

**Semantic Notes:** 1 SLN01 is the identifying number for the subline item.

2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.

**3** SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.

4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

**Comments:** 1 See the Data Element Dictionary for a complete list of IDs.

2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.

3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

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

	Ref. <u>Des.</u> <u>Attributes</u>	Data <u>Element</u>	<u>Name</u>		
M	SLN01	350	Assigned Identification	M	AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set		
			"TCPRI"		
	SLN02	350	Assigned Identification	0	AN 1/20
			Alphanumeric characters assigned for differentiation within set	in a t	ransaction
			"n" = nth assigned ID within SLN loop		
M	SLN03	662	Relationship Code	М	ID 1/1
			Code indicating the relationship between entities		
			A Add		
	SLN04	380	Quantity	Х	R 1/15

			Numeric value of quantity	
			1 Always One	
	SLN05	C001	Composite Unit of Measure	X
	000404	255	To identify a composite unit of measure (See Figure 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 manner in which a measurement has been taken EA Each	expressed, or

Position: 4700

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To specify service characteristic data

**Syntax Notes:** 1 If either SI04 or SI05 is present, then the other is required.

If either SI06 or SI07 is present, then the other is required.
If either SI08 or SI09 is present, then the other is required.
If either SI10 or SI11 is present, then the other is required.
If either SI12 or SI13 is present, then the other is required.
If either SI14 or SI15 is present, then the other is required.
If either SI16 or SI17 is present, then the other is required.
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 Sl01 defines the source for each of the service characteristics

qualifiers.

Notes: SI\*TI\*TC\*TC TO PRI(PS-34)

	Ref. <u>Des.</u> Attributes	Data <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 serv characteristics	ice	
			TC Transfer Announcement Number		
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
			TC TO PRI (PS-34) = Transfer of Calls to Primary Number	r	

Segment: N1 Name

Position: 5360

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use:

**Purpose:** To identify a party by type of organization, name, and code

**Syntax Notes:** 1 At least one of N102 or N103 is required.

If either N103 or N104 is present, then the other is required.

**Semantic Notes:** 

Comments: 1 This segment, used alone, provides the most efficient method of

providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the

transaction processing party.

2 N105 and N106 further define the type of entity in N101.

Notes: N1\*TT\*TC NAME(PS-34b)

**Data Element Summary** 

Ref. Data Des. **Element Name Attributes** М N101 98 **Entity Identifier Code** ID 2/3 Code identifying an organizational entity, a physical location, property or an individual TT Transfer To N102 93 Name AN 1/60

Free-form name

TC NAME (PS-34b) = Transfer of Calls to Name

Position: 5700

**Loop:** N1 Optional

Level: Detail
Usage: Optional
Max Use: 12

**Purpose:** To specify identifying information

**Syntax Notes:** 1 At least one of REF02 or REF03 is required.

If either C04003 or C04004 is present, then the other is required. If either C04005 or C04006 is present, then the other is required.

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

Comments:

Notes: REF\*55\*TCID(PS-34a)\*PRI

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

Position: 4600

Loop: SLN Optional

Level: Detail Usage: Optional

Max Use: 1

**Purpose:** To specify product subline detail item data

**Syntax Notes:** 1 If either SLN04 or SLN05 is present, then the other is required.

2 If SLN07 is present, then SLN06 is required.3 If SLN08 is present, then SLN06 is required.

If either SLN09 or SLN10 is present, then the other is required.
 If either SLN11 or SLN12 is present, then the other is required.

**6** If either SLN13 or SLN14 is present, then the other is required.

If either SLN15 or SLN16 is present, then the other is required.
 If either SLN17 or SLN18 is present, then the other is required.

If either SLN19 or SLN20 is present, then the other is required.
 If either SLN21 or SLN22 is present, then the other is required.

If either SLN23 or SLN24 is present, then the other is required.
 If either SLN25 or SLN26 is present, then the other is required.

13 If either SLN27 or SLN28 is present, then the other is required.

**Semantic Notes:** 1 SLN01 is the identifying number for the subline item.

2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.

3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.

4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

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

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

	Ref.	Data			
	Des.	<b>Element</b>	<u>Name</u>		
	<u>Attributes</u>				
M	SLN01	350	Assigned Identification	М	AN 1/20
			Alphanumeric characters assigned for differentiation within set	n a t	ransaction
			"TCSEC"		
	SLN02	350	Assigned Identification	0	AN 1/20
			Alphanumeric characters assigned for differentiation within set	n a t	ransaction
			"n" = nth assigned ID within SLN loop		
M	SLN03	662	Relationship Code	M	ID 1/1
			Code indicating the relationship between entities		
			A Add		
	SLN04	380	Quantity	X	R 1/15

			Numeric value of quantity		
			1 Always One		
	SLN05	C001	Composite Unit of Measure	X	
			To identify a composite unit of measure (See Figures examples of use)	Append	dix for
M	C00101	355	Unit or Basis for Measurement Code	M	ID 2/2
			Code specifying the units in which a value is being exp manner in which a measurement has been taken EA Each	ressed	, or

Position: 4700

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To specify service characteristic data

**Syntax Notes:** 1 If either SI04 or SI05 is present, then the other is required.

If either SI06 or SI07 is present, then the other is required.
If either SI08 or SI09 is present, then the other is required.
If either SI10 or SI11 is present, then the other is required.
If either SI12 or SI13 is present, then the other is required.
If either SI14 or SI15 is present, then the other is required.
If either SI16 or SI17 is present, then the other is required.
If either SI18 or SI19 is present, then the other is required.

If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

**Comments:** 1 Sl01 defines the source for each of the service characteristics

qualifiers.

Notes: SI\*TI\*TC\*TC TO SEC(PS-35)

	Ref. <u>Des.</u> <u>Attributes</u>	Data <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 serv characteristics	ice	
			TC Transfer Announcement Number		
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
			TC TO SEC (PS-35) = Transfer of Calls to Secondary Nur	nber	•

Segment: N1 Name

Position: 5360

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use:

**Purpose:** To identify a party by type of organization, name, and code

**Syntax Notes:** 1 At least one of N102 or N103 is required.

If either N103 or N104 is present, then the other is required.

**Semantic Notes:** 

**Comments:** 1 This segment, used alone, provides the most efficient method of

providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the

transaction processing party.

2 N105 and N106 further define the type of entity in N101.

Notes: N1\*TT\*TC NAME(PS-37)

**Data Element Summary** 

Ref. Data Des. **Element Name Attributes** М N101 98 **Entity Identifier Code** ID 2/3 Code identifying an organizational entity, a physical location, property or an individual TT Transfer To N102 93 Name AN 1/60

Free-form name

TC NAME (PS-37) = Transfer of Calls to Name

Position: 5700

**Loop:** N1 Optional

Level: Detail
Usage: Optional
Max Use: 12

**Purpose:** To specify identifying information

**Syntax Notes:** 1 At least one of REF02 or REF03 is required.

If either C04003 or C04004 is present, then the other is required.
If either C04005 or C04006 is present, then the other is required.

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

Comments:

Notes: REF\*55\*TCID(PS-36)\*SEC

Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>				
REF01	128	Reference Iden	tification Qualifier	M	ID 2/3	
		Code qualifying t				
		55	Sequence Number			
REF02	127	Reference Iden	Reference Identification			
		specified by the	Reference Identification Qualifier	ion S	Set or as	
REF03	352	Description		<b>X</b> s and	AN 1/80 I their	
	Des. Attributes REF01	Des. Element Attributes REF01 128  REF02 127	Des. Attributes REF01 128 Reference Iden Code qualifying 155 REF02 127 Reference Iden Reference inform specified by the TCID (PS-36) = 1 REF03 352 Description A free-form description	Des.   Attributes     REF01   128   Reference Identification Qualifier     Code qualifying the Reference Identification     55   Sequence Number     REF02   127   Reference Identification     Reference Information as defined for a particular Transact     specified by the Reference Identification Qualifier     TCID (PS-36) = Transfer of Calls to Identifier     REF03   352   Description     A free-form description to clarify the related data elements     content	Des.   Attributes     REF01   128   Reference Identification Qualifier   M     Code qualifying the Reference Identification     55	

Position: 4600

Loop: SLN Optional

Level: Detail Usage: Optional

Max Use:

**Purpose:** To specify product subline detail item data

**Syntax Notes:** 1 If either SLN04 or SLN05 is present, then the other is required.

2 If SLN07 is present, then SLN06 is required.3 If SLN08 is present, then SLN06 is required.

If either SLN09 or SLN10 is present, then the other is required.
If either SLN11 or SLN12 is present, then the other is required.
If either SLN13 or SLN14 is present, then the other is required.

7 If either SLN15 or SLN16 is present, then the other is required.
8 If either SLN17 or SLN18 is present, then the other is required.
9 If either SLN19 or SLN20 is present, then the other is required.

10 If either SLN21 or SLN22 is present, then the other is required.
11 If either SLN23 or SLN24 is present, then the other is required.
12 If either SLN25 or SLN26 is present, then the other is required.

13 If either SLN27 or SLN28 is present, then the other is required.

**Semantic Notes:** 1 SLN01 is the identifying number for the subline item.

2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.

3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.

4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

**Comments:** 1 See the Data Element Dictionary for a complete list of IDs.

2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.

3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

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

	Ref. <u>Des.</u> <u>Attributes</u>	Data <u>Element</u>	<u>Name</u>		
M	SLN01	350	Assigned Identification	M	AN 1/20
			Alphanumeric characters assigned for differentiation within set	n a t	ransaction
			"BL"		
	SLN02	350	Assigned Identification	0	AN 1/20
			Alphanumeric characters assigned for differentiation within set	n a t	ransaction
			"n" = nth assigned ID within SLN loop		
M	SLN03	662	Relationship Code	М	ID 1/1
			Code indicating the relationship between entities		
			A Add		
	SLN04	380	Quantity	Χ	R 1/15

			Numeric value of quantity		
			1 Always One		
	SLN05	C001	Composite Unit of Measure	X	
			To identify a composite unit of measure (See Figures a examples of use)	Append	dix for
M	C00101	355	Unit or Basis for Measurement Code	М	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		

Position: 4700

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To specify service characteristic data

**Syntax Notes:** 1 If either SI04 or SI05 is present, then the other is required.

If either SI06 or SI07 is present, then the other is required.
If either SI08 or SI09 is present, then the other is required.
If either SI10 or SI11 is present, then the other is required.
If either SI12 or SI13 is present, then the other is required.
If either SI14 or SI15 is present, then the other is required.
If either SI16 or SI17 is present, then the other is required.
If either SI18 or SI19 is present, then the other is required.

If either SI20 or SI21 is present, then the other is required.

**Semantic Notes:** 

**Comments:** 1 Sl01 defines the source for each of the service characteristics

qualifiers.

Notes: SI\*TI\*BB\*BA(PS-52)\*TB\*BLOCK(PS-53)

	Ref.	Data				
	Des.	<b>Element</b>	<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 Characte	ristics Qualifier	M	AN 2/2
			characteristics	stry code list qualifying the type of serv	vice	
			BB	Blocking Activity		
М	SI03	234	Product/Service	ID	M	AN 1/48
			Identifying number	for a product or service		
			BA (PS-52) = Bloc	king Activity		
	SI04	1000	Service Characte	ristics Qualifier	X	AN 2/2
			Code from an inducharacteristics	stry code list qualifying the type of serv	rice	
			TB	Blocking/Billing Exception		
	SI05	234	Product/Service	D	X	AN 1/48
			Identifying number	for a product or service		
			BLOCK (PS-53) =	Block		

Position: 4600

Loop: SLN Optional

Level: Detail Usage: Optional

Max Use: 1

**Purpose:** To specify product subline detail item data

**Syntax Notes:** 1 If either SLN04 or SLN05 is present, then the other is required.

2 If SLN07 is present, then SLN06 is required.3 If SLN08 is present, then SLN06 is required.

If either SLN09 or SLN10 is present, then the other is required.

If either SLN11 or SLN12 is present, then the other is required.

If either SLN13 or SLN14 is present, then the other is required.If either SLN15 or SLN16 is present, then the other is required.

8 If either SLN17 or SLN18 is present, then the other is required.
9 If either SLN19 or SLN20 is present, then the other is required.
10 If either SLN21 or SLN22 is present, then the other is required.

11 If either SLN23 or SLN24 is present, then the other is required.
12 If either SLN25 or SLN26 is present, then the other is required.
12 If either SLN25 or SLN26 is present, then the other is required.

13 If either SLN27 or SLN28 is present, then the other is required.

**Semantic Notes:** 1 SLN01 is the identifying number for the subline item.

2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.

3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.

**4** SLN08 is a code indicating the relationship of the price or amount to the associated segment.

**Comments:** 1 See the Data Element Dictionary for a complete list of IDs.

2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.

3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: SLN\*FA\*n\*A\*1\*EA [SLN Loop may repeat per FA/FEATURE pair]

	Ref.	Data				
	Des.	<u>Element</u>	<u>Name</u>			
	<u>Attributes</u>					
M	SLN01	350	Assigned Identification	М	AN 1/20	
			Alphanumeric characters assigned for differentiation within a transaction set			
			"FA"			
	SLN02	350	Assigned Identification	0	AN 1/20	
			Alphanumeric characters assigned for differentiation within a transaction set			
			"n" = nth assigned ID within SLN loop			
M	SLN03	662	Relationship Code	M	ID 1/1	
			Code indicating the relationship between entities			
			A Add			
	SLN04	380	Quantity	X	R 1/15	

			Numeric value of quantity			
			1 Always One			
	SLN05	C001	Composite Unit of Measure	X		
М	C00101	355	To identify a composite unit of measure (See Figuexamples of use)  Unit or Basis for Measurement Code			
IVI	COUTUT	333		M ID 2/2		
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken  EA Each			

Segment: SI Service Characteristic Identification

Position: 4700

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To specify service characteristic data

**Syntax Notes:** 1 If either SI04 or SI05 is present, then the other is required.

If either SI06 or SI07 is present, then the other is required.
If either SI08 or SI09 is present, then the other is required.
If either SI10 or SI11 is present, then the other is required.
If either SI12 or SI13 is present, then the other is required.
If either SI14 or SI15 is present, then the other is required.
If either SI16 or SI17 is present, then the other is required.
If either SI18 or SI19 is present, then the other is required.
If either SI20 or SI21 is present, then the other is required.

**Semantic Notes:** 

**Comments:** 1 Sl01 defines the source for each of the service characteristics

qualifiers.

**Notes:** SI\*TI\*SA\*FA(PS-58)\*SC\*FEATURE(PS-59)

SI\*TI\*FD\*FEATURE DETAIL(PS-60) [SI Segment may repeat]

	Ref. <u>Des.</u> <u>Attributes</u>	Data <u>Element</u>	<u>Name</u>	,		
M	SI01	559	<b>Agency Qualifier</b>	Code	M	ID 2/2
			Code identifying th	e agency assigning the code values		
			TI	Telecommunications Industry		
M	SI02	1000	Service Characte	ristics Qualifier	М	AN 2/2
			Code from an indu characteristics FD	stry code list qualifying the type of serv Feature Detail	rice	
			SA	Service Activity		
M	SI03	234	Product/Service	•	M	AN 1/48
			Identifying number	for a product or service		
			D = (DWS: D-Dis V = (DWS: V-Co CT = (DWS: T-C FEATURE DETAIL	dd) Change Feature Detail) sconnect) onversion As Specified) hange (new line))  (PS-60) = Feature Detail		
	SI04	1000	Service Characte		X	AN 2/2
			characteristics SC	stry code list qualifying the type of serv Service Category		
	SI05	234	Product/Service	. <del>_</del>	X	AN 1/48
				for a product or service		
			FEATURE (PS-59)	= Feature Codes		

Segment: POC Line Item Change - DL Form (Delivery

Address/Information Section)

Position: 0100

Loop: POC Optional

Level: Detail
Usage: Optional
Max Use: 1

**Purpose:** To specify changes to a line item

Syntax Notes: 1 If POC03 is present, then both POC04 and POC05 are required.

2 If POC07 is present, then POC06 is required.

If either POC08 or POC09 is present, then the other is required.
If either POC10 or POC11 is present, then the other is required.
If either POC12 or POC13 is present, then the other is required.
If either POC14 or POC15 is present, then the other is required.
If either POC16 or POC17 is present, then the other is required.
If either POC18 or POC19 is present, then the other is required.
If either POC20 or POC21 is present, then the other is required.
If either POC22 or POC23 is present, then the other is required.
If either POC24 or POC25 is present, then the other is required.
If either POC26 or POC27 is present, then the other is required.

Semantic Notes: Comments:

Notes:

1 POC01 is the purchase order line item identification.

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

	Ref.	Data			
	Des.	<u>Element</u>	<u>Name</u>		
	<u>Attributes</u>				
	POC01	350	Assigned Identification	0	AN 1/20
			Alphanumeric characters assigned for differentiation within set	n a tr	ansaction
			"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 correspor the original purchase order with the va in the Purchase Order Change Transa	alues	contained
	POC08	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number Product/Service ID (234)  ZZ Mutually Defined	r use	d in
	POC09	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
			"DA"		

Segment: SI Service Characteristic Identification

Position: 0180

Loop: POC Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To specify service characteristic data

**Syntax Notes:** 1 If either SI04 or SI05 is present, then the other is required.

If either SI06 or SI07 is present, then the other is required.
If either SI08 or SI09 is present, then the other is required.
If either SI10 or SI11 is present, then the other is required.
If either SI12 or SI13 is present, then the other is required.
If either SI14 or SI15 is present, then the other is required.
If either SI16 or SI17 is present, then the other is required.

If either SI18 or SI19 is present, then the other is required.If either SI20 or SI21 is present, then the other is required.

**Semantic Notes:** 

**Comments:** 1 Sl01 defines the source for each of the service characteristics

qualifiers.

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

	Ref. <u>Des.</u> Attributes	Data <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 serv characteristics	ice	
			AD Address Activity		
M	SI03	234	Product/Service ID	М	AN 1/48
			Identifying number for a product or service		
			DACT (DL-81) = Delivery Activity		

Segment: QTY Quantity

Position: 2930

**Loop:** QTY Optional

Level: Detail Usage: Optional

Max Use: 1

**Purpose:** To specify quantity information

**Syntax Notes:** 1 At least one of QTY02 or QTY04 is required.

2 Only one of QTY02 or QTY04 may be present.

**Semantic Notes:** 1 QTY04 is used when the quantity is non-numeric.

Comments:

Notes: QTY\*31\*DIRQTYA(DL-103)\*DY

## **Data Element Summary**

	Ref.	Data			
	Des.	<b>Element</b>	<u>Name</u>		
	<b>Attributes</b>				
M	QTY01	673	Quantity Qualifier	M	ID 2/2
			Code specifying the type of quantity		
			31 Additional Demand Quantity		
	QTY02	380	Quantity	X	R 1/15
			Numeric value of quantity		
			DIRQTYA (DL-103) = Number of Directories for Annual De	livery	/
	QTY03	C001	Composite Unit of Measure	0	
			To identify a composite unit of measure (See Figures Appearamples of use)	pendi	ix for
M	C00101	355	Unit or Basis for Measurement Code	M	ID 2/2
			Code specifying the units in which a value is being express manner in which a measurement has been taken DY Directory Books	sed,	or

Number of directory books delivered to customer

Segment: QTY Quantity

Position: 2930

**Loop:** QTY Optional

Level: Detail Usage: Optional

Max Use: 1

**Purpose:** To specify quantity information

**Syntax Notes:** 1 At least one of QTY02 or QTY04 is required.

2 Only one of QTY02 or QTY04 may be present.

**Semantic Notes:** 1 QTY04 is used when the quantity is non-numeric.

Comments:

Notes: QTY\*38\*DIRQTYNC(DL-104)\*DY

**Data Element Summary** 

			Data Etomonic Gammary		
	Ref.	Data	Name		
	Des.	<u>Element</u>	<u>Name</u>		
	<u>Attributes</u>				
М	QTY01	673	Quantity Qualifier	M	ID 2/2
			Code specifying the type of quantity		
			38 Original Quantity		
	QTY02	380	Quantity	X	R 1/15
			Numeric value of quantity		
			DIRQTYNC (DL-104) = Number of Directories Delivered of Connect	n Nev	N
	QTY03	C001	Composite Unit of Measure	0	
			To identify a composite unit of measure (See Figures Apexamples of use)	pend	ix for
M	C00101	355	Unit or Basis for Measurement Code	M	ID 2/2

Code specifying the units in which a value is being expressed, or

manner in which a measurement has been taken

DY Directory Books

Number of directory books delivered to customer

Segment: N1 Name

Position: 3400

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To identify a party by type of organization, name, and code

**Syntax Notes:** 1 At least one of N102 or N103 is required.

If either N103 or N104 is present, then the other is required.

**Semantic Notes:** 

Comments: 1 This segment, used alone, provides the most efficient method of

providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the

transaction processing party.

2 N105 and N106 further define the type of entity in N101.

Notes: N1\*DA\*DELNAME

**Data Element Summary** 

Ref. Data Des. **Element Name Attributes** М **Entity Identifier Code** ID 2/3 N101 98 Code identifying an organizational entity, a physical location, property or an individual DA **Delivery Address** N102 93 Name AN 1/60

Free-form name

"DELNAME"

N4 Geographic Location Segment:

Position: 3700

> N1 Loop: Optional

Level: Detail Usage: Optional

Max Use:

Purpose: To specify the geographic place of the named party

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

If N407 is present, then N404 is required.

**Semantic Notes:** 

Comments: 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.

N4\*\*STATE(DL-99)\*ZIP(DL-100) Notes:

**Data Element Summary** 

Ref. Data Des. **Element Name Attributes** N402 156 Χ ID 2/2 **State or Province Code** Code (Standard State/Province) as defined by appropriate government agency STATE (DL-99) = State/Province N403 116

ID 3/15 **Postal Code** 

Code defining international postal zone code excluding punctuation and

blanks (zip code for United States)

ZIP (DL-100) = ZIP/Postal Code

Segment: NX2 Location ID Component

Position: 3750

Loop: N1 Optional

Data

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To define types and values of a geographic location

Syntax Notes: Semantic Notes: Comments:

Notes: NX2

Ref.

NX2\*01\*DDANO(DL-85) NX2\*02\*DDASN(DL-88) NX2\*03\*DDASD(DL-87) NX2\*07\*CITY(DL-98) NX2\*18\*DDALO(DL-90a) NX2\*40\*DDASS(DL-90) NX2\*59\*DDAPR(DL-84) NX2\*61\*DDASF(DL-86) NX2\*62\*DDATH(DL-89)

## **Data Element Summary**

	Des.	<u>Element</u>	<u>Name</u>			
М	Attributes NX201	1106	Address	Component Qualifier	M	ID 2/2
			Code qua	alifying the type of address component		
			01	Street Number		
			02	Street Name		
			03	Prefix Direction		
			07	City Name		
			18	<b>Unstructured Mailing Address</b>		
			40	Street Suffix		
			59	Street Number Low		
			61	Street Number Fraction		
			62	Street Name Suffix		
M	NX202	166	Address	Information	M	AN 1/55

#### Address information

DDANO (DL-85) = Delivery Address Number DDASN (DL-88) = Delivery Address Street Name

DDASD (DL-87) = Delivery Address Street Directional Prefix

CITY (DL-98) = City

DDALO (DL-90a) = Delivery Address Location

DDASS (DL-90) = Delivery Address Street Directional Suffix

DDAPR (DL-84) = Delivery Address Number Prefix DDASF (DL-86) = Delivery Address Number Suffix DDATH (DL-89) = Delivery Address Street Type Segment: POC Line Item Change - DL Form (Service Details Section)

Position: 0100

Loop: POC Optional

Level: Detail
Usage: Optional

Max Use: 1

**Purpose:** To specify changes to a line item

**Syntax Notes:** 1 If POC03 is present, then both POC04 and POC05 are required.

2 If POC07 is present, then POC06 is required.

If either POC08 or POC09 is present, then the other is required.
If either POC10 or POC11 is present, then the other is required.
If either POC12 or POC13 is present, then the other is required.
If either POC14 or POC15 is present, then the other is required.
If either POC16 or POC17 is present, then the other is required.
If either POC18 or POC19 is present, then the other is required.
If either POC20 or POC21 is present, then the other is required.
If either POC22 or POC23 is present, then the other is required.

If either POC22 or POC23 is present, then the other is required.
 If either POC24 or POC25 is present, then the other is required.
 If either POC26 or POC27 is present, then the other is required.

1 POC01 is the purchase order line item identification.

Semantic Notes: Comments:

**Notes:** POC\*n\*RZ\*\*\*\*\*\*ZZ\*DL\*SH\*RTY(DL-12) [POC Loop may repeat]

	Ref.	Data		,			
	Des.	<b>Element</b>	<u>Name</u>				
	<u>Attributes</u>			_	_		
	POC01	350	Assigned Identific	cation	0	AN 1/20	
			Alphanumeric char set	racters assigned for differentiation within	n a tr	ransaction	
			"n" = nth assigned	ID within POC loop			
M	POC02	670	Change or Respo	onse Type Code	М	ID 2/2	
			Code specifying the type of change to the line item				
			RZ	Replace All Values			
				lues	values in contained Set		
	POC08 23	08 235	Product/Service	ID Qualifier	X	ID 2/2	
			Code identifying th Product/Service ID ZZ	e type/source of the descriptive number (234) Mutually Defined	r use	ed in	
	POC09	234	Product/Service	ID .	X	AN 1/48	
		- "	Identifying number for a product or service				
			"DL"				
	POC10	235	Product/Service	ID Qualifier	Χ	ID 2/2	
			Code identifying the type/source of the descriptive number Product/Service ID (234)  SH Service Requested				ed in
			<b>3</b> 11	A numeric or alphanumeric code from	a lie	t of	
				services available to the customer	a iis	t Oi	
	POC11	234	Product/Service		Χ	AN 1/48	

# Identifying number for a product or service

RTY (DL-12) = Record Type

Segment:	SI Se	rvice Characteristi	c Identification		
Position:	0180				
Loop:	POC	Optional			
Level: Usage:	Detail Optional				
Max Use:	>1				
Purpose:		fy service characteri	stic data		
Syntax Notes:		-	resent, then the other is required.		
			resent, then the other is required.		
			resent, then the other is required.		
			present, then the other is required.		
		•	resent, then the other is required.		
		-	present, then the other is required.		
			present, then the other is required.		
			resent, then the other is required.		
Semantic Notes:					
Comments:			for each of the service characteristics		
Mataa.		fiers.			
Notes:		LACT(DL-10) LTY(DL-13)			
		/*STYC(DL-15)			
		*TOA(DL-16)			
		*DOI(DL-17)			
		*DIRNAME(DL-34)			
		*BRO(DL-28)			
		Data Element Sum	marv		
Det	Data				
Ref.	Data Flomont		,		
Des.	Data <u>Element</u>		········ <b>,</b>		
				М	ID 2/2
<u>Des.</u> <u>Attributes</u>	Element	Name Agency Qualifier (		М	ID 2/2
<u>Des.</u> <u>Attributes</u>	Element	Name Agency Qualifier ( Code identifying the	Code	M	ID 2/2
<u>Des.</u> <u>Attributes</u>	Element	Name Agency Qualifier ( Code identifying the	Code e agency assigning the code values Telecommunications Industry	M	ID 2/2 AN 2/2
<u>Des.</u> <u>Attributes</u> M SI01	Element 559	Name Agency Qualifier (Code identifying the TI Service Character Code from an indus	Code e agency assigning the code values Telecommunications Industry	М	
<u>Des.</u> <u>Attributes</u> M SI01	Element 559	Name Agency Qualifier (Code identifying the TI Service Character Code from an indus characteristics	Code e agency assigning the code values Telecommunications Industry ristics Qualifier etry code list qualifying the type of serv	<b>M</b> /ice	
<u>Des.</u> <u>Attributes</u> M SI01	Element 559	Name Agency Qualifier (Code identifying the TI Service Character Code from an indus characteristics BO	Code e agency assigning the code values Telecommunications Industry ristics Qualifier etry code list qualifying the type of servers. Business/Residence Placement Over	<b>M</b> /ice	
<u>Des.</u> <u>Attributes</u> M SI01	Element 559	Name Agency Qualifier (Code identifying the TI Service Character Code from an indus characteristics BO BR	Code e agency assigning the code values Telecommunications Industry ristics Qualifier etry code list qualifying the type of serv Business/Residence Placement Over Directory Listings Type of Account	<b>M</b> /ice	
<u>Des.</u> <u>Attributes</u> M SI01	Element 559	Name Agency Qualifier (Code identifying the TI Service Character Code from an induscharacteristics BO BR DG	Code e agency assigning the code values Telecommunications Industry ristics Qualifier etry code list qualifying the type of serv Business/Residence Placement Over Directory Listings Type of Account Degree of Indent	<b>M</b> /ice	
<u>Des.</u> <u>Attributes</u> M SI01	Element 559	Name Agency Qualifier (Code identifying the TI Service Character Code from an indus characteristics BO BR DG DN	Code e agency assigning the code values Telecommunications Industry ristics Qualifier etry code list qualifying the type of serv Business/Residence Placement Over Directory Listings Type of Account Degree of Indent Directory Book Name	<b>M</b> /ice	
<u>Des.</u> <u>Attributes</u> M SI01	Element 559	Name Agency Qualifier (Code identifying the TI Service Character Code from an induscharacteristics BO BR DG DN LB	Code e agency assigning the code values Telecommunications Industry ristics Qualifier etry code list qualifying the type of serv Business/Residence Placement Over Directory Listings Type of Account Degree of Indent	<b>M</b> /ice	
<u>Des.</u> <u>Attributes</u> M SI01	Element 559	Name Agency Qualifier (Code identifying the TI Service Character Code from an indus characteristics BO BR DG DN LB LE	Code e agency assigning the code values Telecommunications Industry ristics Qualifier etry code list qualifying the type of serv Business/Residence Placement Over Directory Listings Type of Account Degree of Indent Directory Book Name	<b>M</b> /ice	
<u>Des.</u> <u>Attributes</u> M SI01	Element 559	Name Agency Qualifier (Code identifying the TI Service Character Code from an indus characteristics BO BR DG DN LB LE	Code e agency assigning the code values Telecommunications Industry ristics Qualifier etry code list qualifying the type of serv Business/Residence Placement Over Directory Listings Type of Account Degree of Indent Directory Book Name Listing Activity Indicator	<b>M</b> /ice	
<u>Des.</u> <u>Attributes</u> M SI01	Element 559	Name Agency Qualifier (Code identifying the TI Service Character Code from an indus characteristics BO BR DG DN LB LE	Code e agency assigning the code values Telecommunications Industry ristics Qualifier etry code list qualifying the type of serve Business/Residence Placement Over Directory Listings Type of Account Degree of Indent Directory Book Name Listing Activity Indicator Listing Type Style Code	<b>M</b> /ice	
M SI02	<u>Element</u> 559	Name Agency Qualifier (Code identifying the TI Service Character Code from an indus characteristics BO BR DG DN LB LE TW Product/Service II	Code e agency assigning the code values Telecommunications Industry ristics Qualifier etry code list qualifying the type of serve Business/Residence Placement Over Directory Listings Type of Account Degree of Indent Directory Book Name Listing Activity Indicator Listing Type Style Code	<b>M</b> vice	AN 2/2
M SI02	<u>Element</u> 559	Name Agency Qualifier (Code identifying the TI Service Character Code from an induscharacteristics BO BR DG DN LB LE TW Product/Service II Identifying number f LACT (DL-10) = List	Code e agency assigning the code values Telecommunications Industry ristics Qualifier etry code list qualifying the type of serv Business/Residence Placement Over Directory Listings Type of Account Degree of Indent Directory Book Name Listing Activity Indicator Listing Type Style Code D for a product or service ting Activity Indicator	<b>M</b> vice	AN 2/2
M SI02	<u>Element</u> 559	Name Agency Qualifier (Code identifying the TI Service Character Code from an induscharacteristics BO BR DG DN LB LE TW Product/Service II Identifying number f LACT (DL-10) = Listi	Code e agency assigning the code values Telecommunications Industry ristics Qualifier etry code list qualifying the type of serv Business/Residence Placement Over Directory Listings Type of Account Degree of Indent Directory Book Name Listing Activity Indicator Listing Type Style Code D for a product or service ting Activity Indicator ng Type	<b>M</b> vice	AN 2/2
M SI02	<u>Element</u> 559	Name Agency Qualifier (Code identifying the TI Service Character Code from an induscharacteristics BO BR DG DN LB LE TW Product/Service II Identifying number f LACT (DL-10) = Listity (DL-13) = Listity STYC (DL-15) = Sty	Code e agency assigning the code values Telecommunications Industry ristics Qualifier etry code list qualifying the type of serv Business/Residence Placement Over Directory Listings Type of Account Degree of Indent Directory Book Name Listing Activity Indicator Listing Type Style Code D for a product or service ting Activity Indicator ng Type yle Code	<b>M</b> vice	AN 2/2
M SI02	<u>Element</u> 559	Name Agency Qualifier (Code identifying the TI Service Character Code from an induscharacteristics BO BR DG DN LB LE TW Product/Service II Identifying number f LACT (DL-10) = List LTY (DL-13) = Listir STYC (DL-15) = Sty TOA (DL-16) = Type	Code e agency assigning the code values Telecommunications Industry ristics Qualifier etry code list qualifying the type of serve Business/Residence Placement Over Directory Listings Type of Account Degree of Indent Directory Book Name Listing Activity Indicator Listing Type Style Code To for a product or service ting Activity Indicator ng Type yle Code e of Account	<b>M</b> vice	AN 2/2
M SI02	<u>Element</u> 559	Name Agency Qualifier (Code identifying the TI Service Character Code from an induscharacteristics BO BR DG DN LB LE TW Product/Service II Identifying number f LACT (DL-10) = Listity (DL-13) = Listity STYC (DL-15) = Sty	Code e agency assigning the code values Telecommunications Industry ristics Qualifier etry code list qualifying the type of serve Business/Residence Placement Over Directory Listings Type of Account Degree of Indent Directory Book Name Listing Activity Indicator Listing Type Style Code D for a product or service ting Activity Indicator ng Type yle Code e of Account ee of Indent	<b>M</b> vice	AN 2/2

Updated: January 21, 2002

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.

At least one of PID04 or PID05 is required.
If PID07 is present, then PID03 is required.
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

 $\mbox{PID04}$  is used. If  $\mbox{PID01}$  equals "X", then both  $\mbox{PID04}$  and  $\mbox{PID05}$  are

used.

2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.

3 PID07 specifies the individual code list of the agency specified in

PID03.

Notes: PID\*S\*\*TI\*AR\*\*\*SO-RSQ\*OMTN(DL-41)

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

	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>			
	<u>Attributes</u>					
M	PID01	349	Item Desci	ription Type	M	ID 1/1
			Code indica	ating the format of a description		
			S	Structured (From Industry Code List)		
	PID03	559	Agency Qu	ualifier Code	X	ID 2/2
			Code identi	fying the agency assigning the code values		
			TI	Telecommunications Industry		
	PID04	751	Product De	escription Code	X	AN 1/12
			A code from	n an industry code list which provides specific	data	a about a
			product cha	aracteristic		
			AR	Omit Telephone Number		
			AS	Listed Name Placement		
			AT	Address Indicator		

AW Direct Mail List

AX No Solicitation Indicator

AY Telemarketing

BA Professional Identifier

PID07 822 Source Subqualifier

O AN 1/15

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

Qualifier

SO-RSQ Service Order - Reseller Questions list

PID08 1073 Yes/No Condition or Response Code

O ID 1/1

Code indicating a Yes or No condition or response

OMTN (DL-41) = Omit TN Y=(DWS: O-Omit)

Blank=(DWS: Blank-Do Not Omit)

LNPL (DL-44) = Letter Name Placement

Y=(DWS: L-Letter Placement)

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

ADI (DL-61) = Address Indicator

Y=(DWS: O-Omit in DA and Directory)
Blank=(DWS: Blank-Do Not Omit)

DML (DL-25) = Direct Mail List

Y=(DWS: O-Omit)

Blank=(DWS: Blank-Do Not Omit)

TMKT (DL-27) = Telemarketing

Y=(DWS: O-Omit From Telemarketing)
Blank=(DWS: Blank-Do Not Omit)

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

REF Reference Identification Segment:

Position: 1000

> POC Loop: 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.

If either C04003 or C04004 is present, then the other is required. If either C04005 or C04006 is present, then the other is required.

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

Comments:

Notes: REF\*LI\*ALI(DL-11)

**Data Element Summary** 

Data Ref. **Element Name** Des. **Attributes** М REF01 128 **Reference Identification Qualifier** ID 2/3 М Code qualifying the Reference Identification Line Item Identifier (Seller's) REF02 127 **Reference Identification** Χ AN 1/30

Reference information as defined for a particular Transaction Set or as

specified by the Reference Identification Qualifier

ALI (DL-11) = Alpha/Numeric Listing Identifier Code

Segment: **N9** Reference Identification

Position: 3200

Loop: N9 Optional

Level: Detail Usage: Optional

Max Use: 1

**Purpose:** To transmit identifying information as specified by the Reference

Identification Qualifier

**Syntax Notes:** 1 At least one of N902 or N903 is required.

2 If N906 is present, then N905 is required.

3 If either C04003 or C04004 is present, then the other is required.
4 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** 1 N906 reflects the time zone which the time reflects.

2 N907 contains data relating to the value cited in N902.

Comments:

Notes: N9\*82\*PLA

**Data Element Summary** 

Ref. Data

Des. Element Name

**Attributes** 

M N901 128 Reference Identification Qualifier M ID 2/3

Code qualifying the Reference Identification

82 Data Item Description (DID) Reference

Specific data elements that the government will ask a contractor to provide and are spelled out in specific

requirement documents

N902 127 Reference Identification X AN 1/30

Reference information as defined for a particular Transaction Set or as

specified by the Reference Identification Qualifier

"PLA"

Segment: MTX Text

Position: 3260

Loop: N9 Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify textual data

**Syntax Notes:** 1 If MTX01 is present, then MTX02 is required.

If MTX03 is present, then MTX02 is required.If MTX05 is present, then MTX04 is required.

**Semantic Notes:** 1 MTX05 is the number of lines to advance before printing.

Comments: 1 If MTX04 is "AA - Advance the specific number of lines before print",

then MTX05 is required.

Notes: MTX\*\*PLA(DL-55)

**Data Element Summary** 

Ref. Data

Des. Element Name

**Attributes** 

MTX02 1551 Message Text X AN 1/4096

To transmit large volumes of message text

PLA (DL-55) = Place Listing As

Segment: **N9** Reference Identification

Position: 3200

Loop: N9 Optional

Level: Detail Usage: Optional

Max Use: 1

**Purpose:** To transmit identifying information as specified by the Reference

Identification Qualifier

**Syntax Notes:** 1 At least one of N902 or N903 is required.

2 If N906 is present, then N905 is required.

3 If either C04003 or C04004 is present, then the other is required.
4 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** 1 N906 reflects the time zone which the time reflects.

2 N907 contains data relating to the value cited in N902.

Comments:

Notes: N9\*82\*LTXTY\*LTXTY(DL-57)

			Data Elem	ent Summary		
	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>			
M	N901	128	Reference Id	dentification Qualifier	M	ID 2/3
			Code qualifyir	ng the Reference Identification		
			82	Data Item Description (DID) Referen	nce	
				Specific data elements that the gov a contractor to provide and are spe requirement documents		
	N902	127	Reference Id	lentification	X	AN 1/30
				ormation as defined for a particular Transa he Reference Identification Qualifier	action	Set or as
			"LTXTY"			
	N903	369	Free-form De	escription	X	AN 1/45
			Free-form des	scriptive text		
			LTXTY (DL-57	') = Listing Text Type		

MTX Text Segment:

Position: 3260

> N9 Optional Loop:

Level: Detail Usage: Optional >1

Max Use:

Purpose: To specify textual data

**Syntax Notes:** 1 If MTX01 is present, then MTX02 is required.

If MTX03 is present, then MTX02 is required. If MTX05 is present, then MTX04 is required.

**Semantic Notes:** MTX05 is the number of lines to advance before printing. 1

Comments: If MTX04 is "AA - Advance the specific number of lines before print",

then MTX05 is required.

MTX\*\* LTEXT(DL-59) Notes:

**Data Element Summary** 

Ref. Data

Element Name Des.

**Attributes** 

MTX02 1551 **Message Text** Χ AN 1/4096

To transmit large volumes of message text

LTEXT (DL-59) = Line of Text

Segment: **N9** Reference Identification

Position: 3200

Loop: N9 Optional

Level: Detail Usage: Optional

Max Use:

Purpose: To transmit identifying information as specified by the Reference

Identification Qualifier

Syntax Notes: 1 At least one of N902 or N903 is required.

2 If N906 is present, then N905 is required.

3 If either C04003 or C04004 is present, then the other is required.
4 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** 1 N906 reflects the time zone which the time reflects.

2 N907 contains data relating to the value cited in N902.

Comments:

Notes: N9\*H7\*ORI\*DL

			Data Lio	mont ourmany		
	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>			
	<u>Attributes</u>					
M	N901	128	Reference	Identification Qualifier	M	ID 2/3
			Code qualif	ying the Reference Identification		
			H7	Standard Clause		
	N902	127	Reference	Identification	X	AN 1/30
				nformation as defined for a particular Transactory the Reference Identification Qualifier	ction	Set or as
			ORI	Order Instructions		
	N903	369	Free-form	Description	X	AN 1/45
			Free-form d	lescriptive text		
			"DL"			

Segment: MTX Text

Position: 3260

Loop: N9 Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify textual data

**Syntax Notes:** 1 If MTX01 is present, then MTX02 is required.

If MTX03 is present, then MTX02 is required.If MTX05 is present, then MTX04 is required.

**Semantic Notes:** 1 MTX05 is the number of lines to advance before printing.

Comments: 1 If MTX04 is "AA - Advance the specific number of lines before print",

then MTX05 is required.

Notes: MTX\*\*REMARKS(DL-113)

**Data Element Summary** 

Ref. Data

Des. Element Name

**Attributes** 

MTX02 1551 Message Text X AN 1/4096

To transmit large volumes of message text

REMARKS (DL-113) = Remarks

Segment: N1 Name

Position: 3400

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use:

**Purpose:** To identify a party by type of organization, name, and code

**Syntax Notes:** 1 At least one of N102 or N103 is required.

If either N103 or N104 is present, then the other is required.

**Semantic Notes:** 

**Comments:** 1 This segment, used alone, provides the most efficient method of

providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the

transaction processing party.

2 N105 and N106 further define the type of entity in N101.

Notes: N1\*DH\*LISTINGS

**Data Element Summary** 

Ref. Data Des. **Element Name Attributes** М **Entity Identifier Code** ID 2/3 N101 98 Code identifying an organizational entity, a physical location, property or an individual DH Doing Business As N102 93 Name AN 1/60

Free-form name

"LISTINGS"

Segment: IN2 Individual Name Structure Components

Position: 3550

Loop: N1 Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To sequence individual name components for maximum specificity

Syntax Notes: Semantic Notes: Comments:

Notes: IN2\*05\*LNLN(DL-45)

IN2\*02\*LNFN(DL-46)\*LNFN(DL-46)

IN2\*21\*DES(DL-47) IN2\*10\*TL(DL-48)\*TL

IN2\*01\*TITLE1(DL-49)\*TITLE1 IN2\*12\*DESD(DL-50a)\*DESD IN2\*10\*TLD(DL-51)\*TLD IN2\*01\*TITLE1D(DL-52)\*TITLE1D

IN2\*18\*NICK(DL-54)

	Ref.	Data		•		
	Des.	<u>Element</u>	<u>Name</u>			
	Attributes	4404				ID 0/0
М	IN201	1104	Name Compone		M	ID 2/2
				the type of name component		
			01	Prefix		
			02	First Name		
			05	Last Name		
			10	Generation		
			12	Combined (Unstructured) Name		
			18	Preferred First Name or Nickname		
			21	Professional Title		
M	IN202	93	Name		M	AN 1/60
			Free-form name			
			LNFN (DL-46) = DES (DL-47) = D TL (DL-48) = Title TITLE1 (DL-49) = DESD (DL-50a) = TLD (DL-51) = Ti TITLE1D (DL-52) NICK (DL-54) = N	e of Lineage = Title of Address 1 = Designation for Dual Name tle of Lineage for Dual Name = Title of Address 1 for Dual Name		
	IN203	93	Name		0	AN 1/60
			Free-form name			
			LNFN (DL-46) = "TL" "TITLE1" "DESD" "TLD" "TITLE1D"	Listed Name First		

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.

If N406 is present, then N405 is required.
If N407 is present, then N404 is required.

**Semantic Notes:** 

Comments: 1 A combination of either N401 through N404, or N405 and N406 may

be adequate to specify a location.

2 N402 is required only if city name (N401) is in the U.S. or Canada.

Notes: N4\*\*LAST(DL-71)

**Data Element Summary** 

Ref. Data

Des. Element Name

**Attributes** 

N402 156 State or Province Code X ID 2/2

Code (Standard State/Province) as defined by appropriate government

agency

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

Segment: NX2 Location ID Component

Position: 3750

Loop: N1 Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To define types and values of a geographic location

Syntax Notes: Semantic Notes: Comments:

Ref.

NX202

Notes: NX2\*01\*LANO(DL-63)

Data

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

## **Data Element Summary**

	<u>Des.</u> Attributes	Element	<u>Name</u>				
M	NX201	1106	Address Component Qualifier		М	ID 2/2	
			Code qualifying the type of address component				
			01	Street Number			
			02	Street Name			
			03	Prefix Direction			
			07	City Name			
			18	Unstructured Mailing Address			
			40	Street Suffix			
			59	Street Number Low			
			61	Street Number Fraction			
			62	Street Name Suffix			

**Address Information** 

# Address information

166

ANO (DL-63) = Listed Address Number

LANO (DL-63) = Listed Address Number LASN (DL-66) = Listed Address Street Name

LASD (DL-65) = Listed Address Street Directional Prefix

LALOC (DL-70) = Listed Address Locality LALO (DL-69) = Listed Address Location

LASS (DL-68) = Listed Address Street Directional Suffix

LAPR (DL-62) = Listed Address Number Prefix LASF (DL-64) = Listed Address Number Suffix LATH (DL-67) = Listed Address Street Type

М

M AN 1/55

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.

If either SI06 or SI07 is present, then the other is required.
If either SI08 or SI09 is present, then the other is required.
If either SI10 or SI11 is present, then the other is required.
If either SI12 or SI13 is present, then the other is required.
If either SI14 or SI15 is present, then the other is required.
If either SI16 or SI17 is present, then the other is required.
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 Sl01 defines the source for each of the service characteristics

qualifiers.

Notes: SI\*TI\*TN\*LTN(DL-39)

SI\*TI\*NS\*NSTN(DL-40)

	Ref.	Data				
	Des.	<u>Element</u>	<u>Name</u>			
	<u>Attributes</u>					
М	SI01	559	Agency Qualifier	Code	M	ID 2/2
			Code identifying the	ne agency assigning the code values		
			TI	Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier		M	AN 2/2
			Code from an inducharacteristics	ustry code list qualifying the type of serv	rice	
			NS	Non-Standard Telephone Number		
			TN	Telephone Number		
M	SI03	234	Product/Service ID		M	AN 1/48
			Identifying number			
			,	red Telephone Number Ion Standard Telephone Number		

Segment: CTT Transaction Totals

Position: 0100

Loop: CTT Optional

Level: Summary Usage: Optional

Max Use: 1

Purpose: To transmit a hash total for a specific element in the transaction setSyntax Notes: 1 If either CTT03 or CTT04 is present, then the other is required.

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

**Semantic Notes:** 

Comments: 1 This segment is intended to provide hash totals to validate

transaction completeness and correctness.

Notes: CTT\*Number of POC Segments

**Data Element Summary** 

Ref. Data

Des. Element Name

<u>Attributes</u>

M CTT01 354 Number of Line Items M N0 1/6

Total number of line items in the transaction set

Segment: **SE** Transaction Set Trailer

Position: 0300

Loop:

Level: Summary Usage: Mandatory

Max Use: 1

**Purpose:** To indicate the end of the transaction set and provide the count of the

transmitted segments (including the beginning (ST) and ending (SE)

segments)

Syntax Notes:

Semantic Notes: Comments:

1 SE is the last segment of each transaction set.

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

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