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## 33. Design Trunk Resale

## 33.1 Business Description

Designed Trunks requests in IMA include all designed trunk services except DID one-way incoming trunk. Designed Trunks consist of several different PBX trunk types. These trunk types are Analog Two-way DID Trunk, Analog One-way-in Trunk, Analog One-way-out Trunk, and Analog Two-way Trunk. Each trunk type may be requested as Flat rated, Message rated (not usually requested for DID) and Measured.

The following forms will be used between Qwest and the CLEC for Designed Trunk ordering purposes:

- LSR Local Service Request
- EU End User Information
- RS Resale Service
- DL Directory Listing

The following Order Activity Matrices define the available Order, and/or Line and Listing Activities for Design Trunk Resale:

Business Rules for Combining Order, and/or Line and Listing Activities

#### for **Design Trunk Trunk**

#### Order Activity Definition

Updated: January 21, 2002

Req Type	A C T	Definition	Application	LNA	Forms required
EB	N	New Installation	New installation of Resale Designed Trunk(s).	N	LSR, EU, RS, DL
	D	Disconnect	Disconnect all services at the account level with transfer of calls	D	LSR, EU, RS
			Disconnect all services at the account level with no transfer of calls	Not Applicable	LSR, EU
	W	Conversion As Is	Change from one CLEC to another with no change to product or service or Directory Listing.	Not Applicable	LSR, EU
	V Conversion As Specified Conversion As Specified valid on conversion from existing Resale of Retail PBX Designed Trunks from CLEC to another with changes to		Conversion As Specified valid on conversion from existing Resale or Retail PBX Designed Trunks from one CLEC to another with changes to service and Directory Listing changes.	W , V, N, D	LSR, EU, RS, DL
	Z	Conversion As Specified, No Directory Listing	Conversion As Specified valid on conversion from existing Resale PBX Designed Trunks from one CLEC to another or conversions from Retail or Resale PBX Designed Trunks to Resale PBX Designed Trunks with changes to product or service, but with no Directory Listing changes.	W, V, N, D	LSR, EU, RS

	C Change	Change of an existing Resale PBX Designed Trunk(s) when the account is already owned by the CLEC submitting the request such as, add/remove features, add/remove trunk(s) to existing service/account, PIC/LPIC change, change/add/remove Directory Listing, change billing information, change telephone number	C, D, X, P, N	LSR, EU, RS, DL (if changing listings)
1	Outside Move	Outside move of an existing Resale PBX Designed Trunk(s) end user location.	N, D	LSR, EU, RS, DL(if changing listings)
	Seasonal Suspend	Seasonal Suspend of an end user service who has elected temporary interruption of service. FX or FCO trunks are not eligible for ACT = L	L	LSR, EU, RS
Y	/ Deny	Denial of an end user service	Not Applicable	LSR, EU
E		Restoral of an end user service that was previously denied or seasonal suspend	В	LSR, EU
F	Record	Not Allowed	Not Applicable	
N	/ Inside Move	Inside move of an existing Resale PBX Designed Trunk(s) end user location.	X, C, N, D, V, P, W, B, M, L (not valid in WA or OR)	LSR, EU, RS

#### Line Activities

LNA	Definition	Application
N	New Line.	New line at premises.
D	Line Disconnect.	Disconnect line. Resale - FA (Feature Activity) is used to delete lines and features and include applicable charges (i.e. transfer of calls).
W	Line Conversion As Is	Change LSP with no change to line and Directory Listing. Resale - FA (Feature Activity) is not allowed.
V	Line Conversion As Specified	Change LSP with changes to line or Directory Listing  All fields on the Resale Form must be specified. Resale - FA must specify 'Conversion to LSP' (FA = V), 'New feature or charge' (FA = N), or 'Feature change' (FA = C).
С	Change	A change to a line with only the changed fields populated. Resale - FA can be 'Add/Install' (FA = N), 'Change Old' (FA = C), 'Disconnect' (FA = D), or 'Change New' (FA = 'T'). If USOC changes, use FA = N & D. If the USOC is staying the same and FID or FID Detail is changing, use FA = C & T.D = Line Disconnect. Resale - FA (Feature Activity) is used to delete lines and features and include applicable charges (i.e. transfer of calls).
X	Phone Number Change	This LNA should only be used for Number Changes without any other activity. FA entries would not be appropriate. If Number Changes occur with other activity, an LNA=C should be used.
Р	PIC Change	P = PIC Change. This LNA should only be used for PIC changes without any other activity. FA entries would not be appropriate. If PIC Changes occur with other activity, an LNA of C should be used.
L	Seasonal Suspend	Seasonal Suspend of an end user line who has elected temporary interruption of service. Resale - FA (Feature Activity) may be included if charges are applicable.
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.
	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.

## 33.2 Business Model

See Appendix H

## 33.3 Developer Worksheets

See Appendices B and C - Developer Worksheets - Order

## 33.4 Trading Partner Access Information

ORDERING FUNCTION	PRODUCT ID
Design Trunks Resale Service Request	850DTR
Design Trunks Resale Service Request Supplemental	860DTR
Status Update – Auto Push	855SU
Firm Order Confirmation	855FOC
Firm Order Confirmation on Supplemental	865FOC
Non Fatal Error Response	855NF
Non Fatal Error Response on Supplemental	865NF
Fatal Error Response	855FATAL
Fatal Error Response on Supplemental	865FATAL
Jeopardy	865JEOP
Completion	865COMP

#### **ORDER SUBMITTAL**

The process begins with an EDI Trading Partner Access Information being passed 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.
- Order Completion 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 Notifications will be issued if Qwest has a problem meeting the commitment on the local service request.

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

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

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

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

#### 33.4.2 ISA TABLE INFORMATION:

#### ANSI X12 ISA and IEA definitions:

- The ISA segment is the Interchange Control Header.

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

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

	SENT TO Qwest	RECEIVED FROM Qwest
ISA01	'00' (No Authorization information present)	'00' (No Authorization information present)
ISA02	Spaces (Authorization information)	Spaces (Authorization information)
ISA03	'00' (No Security information is present)	'00' (No Security information is present)
ISA04	Spaces (Security Information)	Spaces (Security information)
ISA05	Co-Provider TP qualifier	'ZZ' (Mutually Defined)
ISA06	Co-Provider TP ID	'QWESTO' (Note: This Trading partner ID is used only for QWEST order and post-order transactions. The "O" is the unique identifier.)
ISA07	'ZZ' (Mutually Defined)	Co-Provider TP qualifier
ISA08	'QWESTO' (Note: This Trading partner ID is used only for QWEST order and post-order transactions. The "O" is the unique identifier.)	Co-Provider TP ID
ISA09	Date of the interchange. YYMMDD	Date of the interchange. YYMMDD
ISA10	Time of the interchange. HHMM (24 Hour Clock)	Time of the interchange. HHMM (24 Hour Clock)
ISA11	<b>'U'</b> (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)

#### 33.4.3 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	850DTR	РО	Co-Provider TP ID	DTR90
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	860DTR	PC	Co-Provider TP ID	DTR90
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

#### 33.4.4 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; however, Qwest 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.

#### **Composite Element**

The appendix noted for any Composite Unit applies to the standard and not to Qwest documentation (i.e.,

See Figures Appendix for examples of use).

## **Industry Standards Table:**

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

## 33.5 Mapping Examples

Updated: January 21, 2002

# 33.5.1 850 DESIGN TRUNKS RESALE Service Request (850DTR) – 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	
RE=Resale	
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.

```
SI*TI*AA*<u>ACT</u><sup>LSR-24</sup>
SI*TI*LS*LSO<sup>LSR-43</sup>
SI*TI*TY*TOSLSR-44
SI*TI*SS*SPECLSR-45
SI*TI*NC*NC<sup>LSR-46</sup>
SI*TI*NI* NCI SR-48
SI*TI*IW*IWOEU-36
\mathsf{PID^*S^{**}TI^*AH^{***}SO\text{-}RSQ^*} \pmb{CHC}^{\mathsf{LSR-}22}
PID*S**TI*CONVIND***SO-RSQ*CONVIND<sup>LSR-24a</sup>
PID*S**TI*AO***SO-RSQ*AGAUTH
PID*S**TI*BI***SO-RSQ*FBIFU-42
N9*H7*ORI*LSR****2W>MANUAL IND<sup>LSR-108a</sup>
MTX**REMARKS<sup>LSR-108</sup>
N9*H7*ORI*EU*****2W>MANUAL IND<sup>EU-63a</sup>
MTX**REMARKS<sup>EU-63</sup>
N9*H7*ORI* RESALE****2W>MANUAL INDRE-60b
MTX**REMARKSRE-60a
N1*78*CCNA<sup>LSR-1</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>
PER*AL*ALT IMPCON<sup>LSR-94</sup>*TE*TEL NO<sup>LSR-95</sup>*BN*PAGER<sup>LSR-96</sup>
N1*AN*AUTHNMLSR-37
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*SASS<sup>EU-45g</sup>
NX2*59*SAPR<sup>EU-45a</sup>
NX2*61*SASF<sup>EU-45c</sup>
NX2*62*SATH<sup>EU-45f</sup>
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]
SI*TI*OP*WSOP*TEL NOEU-31a
PID*S**TI*ANV***SO-RSQ*ANV<sup>EU-8a</sup>
REF*IX* LOCNUM EU-7*LOCNUM
N9*L1*ACC*EU
MTX**ACC<sup>EU-30</sup>
N1*IT*NAME<sup>EU-8</sup>
N4**STATE<sup>EU-25</sup>*ZIP<sup>EU-26</sup>**RJ*CALA<sup>EU-26</sup>a
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*ROUTEEU-23b
NX2*07*CITYEU-24
NX2*39*AHN<sup>EU-23a</sup>
NX2*40*SASSEU-16
```

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> PER\*CA\***LCON**<sup>EU-27</sup>\*TE\***TEL NO**<sup>EU-28</sup> SI\*TI\*AF\***AFT**<sup>EU-9</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\*EU-57 REF\*IX\* DNUM\*EU-54\*DNUM DTM\*376\*TC PER\*(CCYYMMDD)\*EU-62 SLN\*TCPRI\*n\*A\*1\*EA SI\*TI\*TC\*TC TO PR\*EU-58 N1\*TT\*TC NAME\*EU-58b REF\*55\* $TCID^{EU-58a*}PRI$  SLN\*TCSEC\*n\*A\*1\*EA [SLN Loop may repeat] SI\*TI\*TC\*TC TO SEC\*U-59 N1\*TT\*TC NAME\*EU-61 REF\*55\* $TCID^{EU-60*}SEC$ 

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

[PO1 Loop repeats **RSQTY**<sup>RE-5</sup> times] PO1\*n\*1\*EA\*\*\*ZZ\* RE SI\*TI\*SA\*<u>LNA</u>RE-12 SI\*TI\*TN\***TNS**RE-15 SI\*TI\*OT\* OTN<sup>RE-19</sup> SI\*TI\*TQ\***PTLI**<sup>RE-23</sup> SI\*TI\*TD\***PTKCON**RE-24 SI\*TI\*CN\**ECCKT*<sup>RE-28</sup> SI\*TI\*T6\***TC OPT**RE-35 SI\*TI\*TS\***SGNL**RE-50 SI\*TI\*SY\***SSIG**RE-51 SI\*TI\*PE\***PULSE**RE-52 PID\*S\*\*TI\*AG\*\*\*SO-RSQ\***NIDR**<sup>RE-47</sup> REF\*IX\* **LNUM**<sup>RE-9</sup>\**LNUM* REF\*GP\***TSP**RE-25 REF\*AE\***SAN**RE-26  $\mathsf{DTM*376*} \textbf{\textit{TC PER}} (\mathsf{CCYYMMDD})^{\mathsf{RE-40}}$ N1\*P9\*\*41\***PIC**RE-30 N1\*8V\*\*41\**LPIC*<sup>RE-31</sup> SLN\*TCPRI\*n\*A\*1\*EA SI\*TI\*TC\***TC TO PRI**RE-38 N1\*TT\* TC NAME RE-38b REF\*55\***TCID**RE-38a\*PRI SLN\*TCSEC\*n\*A\*1\*EA [SLN Loop may repeat] SI\*TI\*TC\***TC TO SEC**RE-39 N1\*TT\* TC NAME REF\*55\***TCID**<sup>RE-41</sup>\*SEC

SLN\*/W\*n\*A\*/WJQRE-49\*EA\*\*\*\*EQ\*/WJKRE-48

[SLN Loop may repeat per Inside Wiring pair]

SLN\**BL*\*n\*A\*1\*EA SI\*TI\*BB\**BA*<sup>RE-54</sup>\*TB\**BLOCK*<sup>RE-55</sup>

SLN\**FA*\*n\*A\*1\*EA

SI\*TI\*SA\***FA**<sup>RE-58</sup>\*SC\***FEATURE**<sup>RE-59</sup>

SI\*TI\*FD\***FEATURE DETAIL**RE-60

[SLN Loop may repeat per FA/FEATURE pair]

[SI Segment may repeat]

#### Regular Hunting

PO1\*n\*1\*EA\*\*\*ZZ\**HG* SI\*TI\*SA\*<u>HA</u>LSR-112 SI\*TI\*SG\**HID*LSR-113

SI\*TI\*SF\**HNTYP*<sup>LSR-116</sup>

REF\*IX\* **HNUM**<sup>LSR-110</sup>\* HNUM

SLN\*HNT\*n\*A\*1\*EA

N9\*55\*HTSEQ

MTX\*\***HTSEQ**LSR-118

[If this segment appears,  $\underline{HNTYP}^{LSR-116} = 5$ ]

### Multi-Line Hunting

PO1\*n\*1\*EA\*\*\*ZZ\* ML

SI\*TI\*SA\*<u>HA</u>LSR-112 SI\*TI\*SG\***HID**LSR-113

SI\*TI\*SF\*<u>HNTYP</u>LSR-116

SI\*TI\*TQ\***TLI**\*SR-115

REF\*IX\* HNUM<sup>LSR-110</sup>\* HNUM

SLN\*MHNT\*n\*A\*1\*EA

N9\*55\*HTSEQ

MTX\*\*HTSEQ<sup>LSR-118</sup>

[If this segment appears,  $HNTYP^{LSR-116} = 4$ ]

[PO1 Loop repeats **DDQTY**<sup>DL-23</sup> times]

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

PO1\*n\*1\*EA\*\*\*ZZ\**DA* 

SI\*TI\*AD\***DACT**DL-81

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**DL-85

NX2\*02\***DDASN**<sup>DL-88</sup>

NX2\*03\***DDASD**DL-87

NX2\*07\***CITY**DL-98

NX2\*18\**DDALO*<sup>DL-90a</sup>

NX2\*40\***DDASS**<sup>DL-90</sup>

NX2\*59\***DDAPR**DL-84

NX2\*61\***DDASF**<sup>DL-86</sup>

NX2\*62\***DDATH**DL-89

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

PO1\*n\*1\*EA\*\*\*ZZ\**DL*\*SH\**RTY*<sup>DL-12</sup> SI\*TI\*LB\**LACT*<sup>DL-10</sup>

[PO1 Loop may repeat]

Updated: January 21, 2002

```
SI*TI*LE*LTY<sup>DL-13</sup>
SI*TI*TW*STYC<sup>DL-15</sup>
SI*TI*BR*TOADL-16
SI*TI*DG*DOIDL-17
SI*TI*DN*DIRNAME<sup>DL-34</sup>
SI*TI*BO*BRO<sup>DL-28</sup>
PID*S**TI*AR***SO-RSQ*<u>OMTN</u>DL-41
PID*S**TI*AS***SO-RSQ*LNPL
PID*S**TI*AT***SO-RSQ*ADI
PID*S**TI*AW***SO-RSQ*DML<sup>DL-25</sup>
PID*S**TI*AX***SO-RSQ*NOSLDL-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*ALI<sup>DL-11</sup>
N9*82*PLA
MTX**PLADL-55
N9*82*LTXTY*LTXTY<sup>DL-57</sup>
MTX**LTEXT<sup>DL-59</sup>
N9*H7*ORI* DL
MTX**REMARKSDL-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<sup>DL-47</sup>
IN2*10*TL<sup>DL-48</sup>*TL
IN2*01*TITLE1<sup>DL-49</sup>*TITLE1
IN2*12*DESD<sup>DL-50a</sup>*DESD
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 DL-64
NX2*62*LATH<sup>DL-67</sup>
SI*TI*TN*LTN DL-39
\mathsf{SI}^*\mathsf{TI}^*\mathsf{NS}^*\textit{NSTN}^{\mathsf{DL}\text{-}40}
```

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

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

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

## 33.5.2 DTR 860 SUPP - Specific Fields - Version 4020

The 860DTR is identical to the 850DTR 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 "RE" or "EU_SA" or "HG" or "ML" 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 #

## 33.6 Data Dictionary

33.6.1 850 Design Trunks Resale Service Request (850DTR)

Functional Group ID=PO

#### Introduction:

The 850DTR Service Request will be used by the Co-Provider to initiate a service request for Design Trunks Resale 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, Resale 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	
M	0200	BEG	Beginning Segment for Purchase Order	M	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	
			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	
	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	
3200	N2	Additional Name Information	0	2	
3400	N4	Geographic Location	0	>1	
3450	NX2	Location ID Component	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 Note RepeatComn	
			LOOP ID - PO1			100000	
M	0100 PO1		Baseline Item Data - End User Form	М	1		n1
	0180	SI	(Location and Access Section) 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 - N1			200	
	3500	N1	Name	0	1		
	3800	N4	Geographic Location	0	1		
	3850	NX2	Location ID Component	0	>1		
	4000	PER	Administrative Communications Contact	0	3		
	4050	SI	Service Characteristic Identification	0	>1		
			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	0	>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		
			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		
			LOOP ID - PO1			100000	
M	0100	PO1	Baseline Item Data - Resale Form (Service	М	1		n3
	0180	SI	Details Section) Service Characteristic Identification	0	>1		
			LOOP ID - PID	-		1000	
	0500	PID	Product/Item Description	0	1	.000	
	1000	REF	Reference Identification	0	>1		
	2100	DTM	Date/Time Reference	0	10		
	2100	DIW	LOOP ID - N1		10	200	
	3500	N1	Name	0	1	200	
					·	200	
	2500	NIA	LOOP ID - N1		4	200	
	3500	N1	Name	0	1		
			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		
			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		
			LOOP ID - SLN			>1	
	4700	SLN	Subline Item Detail	0	1		
			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	
М	0100	PO1	Baseline Item Data - Regular Hunting	M	1	100000	n4
IVI	0180	SI	Service Characteristic Identification	0	, >1		114
	1000	REF	Reference Identification	0	>1		
	1000	1 121	LOOP ID - SLN			>1	
	4700	SLN	Subline Item Detail	0	1	71	
	50		LOOP ID - N9		•	>1	
	5230	N9	Reference Identification	0	1		
	5250	MTX	Text	0	>1		
			LOOP ID - PO1			100000	
			LOOP ID - POT			100000	

M	0100	PO1	Baseline Item Data - Multi-Line Hunting	M	1		n5
	0180	SI	Service Characteristic Identification	0	>1		
	1000	REF	Reference Identification	0	>1		
			LOOP ID - SLN			>1	
	4700	SLN	Subline Item Detail	0	1		
			LOOP ID - N9			>1	
	5230	N9	Reference Identification	0	1		
	5250	MTX	Text	0	>1		
			LOOP ID - PO1			100000	
M	0100	PO1	Baseline Item Data - DL Form (Delivery	M	1		n6
	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	<b>/</b> 1	
	2000	α	·				
	0500	N.14	LOOP ID - N1		4	200	
	3500	N1	Name	0	1		
	3800 3850	N4 NX2	Geographic Location	0	1		
	3030	INAZ	Location ID Component	0	>1		
			LOOP ID - PO1			100000	
М	0100	PO1	Baseline Item Data - DL Form (Service Details Section)	M	1		n7
	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	200	
	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)	M	1	100000	n8
IVI	0100	101	Dascine nem Data - Dunny (DD)	IVI	1		110

## **Summary:**

	Pos. <u>No.</u>	Seg. <u>ID</u>	<u>Name</u>			Loop Notes and RepeatComments	
			LOOP ID - CTT			1	
	0100	CTT	Transaction Totals	0	1	n9	
М	0300	SE	Transaction Set Trailer	М	1		

#### **Transaction Set Notes**

- **1.** PO102 is required.
- **2.** PO102 is required.
- **3.** PO102 is required.
- **4.** PO102 is required.
- **5.** PO102 is required.
- **6.** PO102 is required.
- **7.** PO102 is required.
- **8.** PO102 is required.
- 9. 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> <u>Attributes</u>	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	M	ID 2/2
			Code identifying purpose of transaction set		
			00 Original		
M	BEG02	92	Purchase Order Type Code	M	ID 2/2
			Code specifying the type of Purchase Order		
			SS Supply or Service Order		
M	BEG03	324	Purchase Order Number	M	AN 1/22
			Identifying number for Purchase Order assigned by the orderer/purchaser		
			PON (LSR-2) = Purchase Order Number		
M	BEG05	373	Date	M	DT 8/8
			Date expressed as CCYYMMDD		
			PO Date = Purchase Order Date (See Trading Partner Ad Information)	ccess	3

REF Reference Identification Segment:

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.

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

Comments:

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

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

#### **Data Element Summary**

		_	<b>Data 2.0</b>	5 uu. y		
	Ref.	Data				
	Des.	<u>Element</u>	<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		
				Number identifies a telecommunica account	tions i	ndustry
			12	Billing Account		
				Account number under which billing	is ren	dered
			1V	Related Vendor Order Number		
				A vendor's order number that is in a primary order number	ddition	to a
			CO	Customer Order Number		
			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 requirements for the claim	handlii	ng
	REF02	127	Reference Identif	fication	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 (RE-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.

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\*QU\*HTQTY(LSR-6)\*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\*QO\*RSQTY(RE-5)\*EA PAM\*BH\*DDQTY(DL-23)\*EA

#### **Data Element Summary**

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

Data

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

QO Operating Quantity
QU Quantity Serviced

PAM02 380 Quantity X R 1/15

Numeric value of quantity

HTQTY (LSR-6) = Hunt Group 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 RSQTY (RE-5) = Resale Quantity DDQTY (DL-23) = Number of Delivery Segments		
	PAM03	C001	Composite Unit of Measure	Х	
			To identify a composite unit of measure (See Figur examples of use)	es 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

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

Position: 1200

Loop: SAC Optional

Level: Heading Usage: Optional

Max Use: 1

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

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

or charge

**Syntax Notes:** 1 At least one of SAC02 or SAC03 is required.

2 If either SAC03 or SAC04 is present, then the other is required.
3 If either SAC06 or SAC07 is present, then the other is required.

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

**5** If SAC11 is present, then SAC10 is required.

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

7 If SAC14 is present, then SAC13 is required.8 If SAC16 is present, then SAC15 is required.

Semantic Notes: 1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or

SAC08 is required.

2 SAC05 is the total amount for the service, promotion, allowance, or

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:

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"]

SAC\*N\*\*TI\*VT\*\*\*\*\*\*\*\*VTA(LSR-80)

#### **Data Element Summary**

Ref. Data

Des. Element Name

**Attributes** 

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

Code which indicates an allowance or charge for the service specified

		N	No Allowance or Charge			
SAC03	559	Agency Qualifier Code		X	ID 2/2	
		Code identifying the agency assigning the code values				
		TI	Telecommunications Industry			
SAC04	1301	. •	e, Promotion, Allowance, or Charge	X	AN 1/10	
		Code			_	
		Agency maintained code identifying the service, promotion, allowance,				
		or charge				
		EXP	Expedited Service Charge			
		VT	Variable Term Contract Pricing Plan			
SAC15	352	Description		X	AN 1/80	
		A free-form description to clarify the related data elements and their content				
		VTA (LSR-80) =	Variable Term Agreement			

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

Ref. Data	
Dog Floment Name	
<u>Des.</u> <u>Element</u> <u>Name</u>	
Attributes  M. ID 2/2	
M DTM01 374 Date/Time Qualifier M ID 3/3	
Code specifying type of date or time, or both date and time	
097 Transaction Creation	
150 Service Period Start	
270 Date Filed	
992 Date Requested	
DTM02 373 Date X DT 8/8	)
Date expressed as CCYYMMDD	
D/TSENT (LSR-12) = Date Sent	
DDD (LSR-14) = Desired Due Date	
DATED (LSR-36) = Date of Agency Authorization	
DTM03 337 Time X TM 4/3	
Time expressed in 24-hour clock time as follows: HHMM, or HHMMS	
or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minute	S
(00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD =	_
hundredths (00-99)	•
D/TSENT{HHMM} (LSR-12) = Time Sent	
DTM05 1250 Date Time Period Format Qualifier X ID 2/3	
Code indicating the date format, time format, or date and time format	
TM Time Expressed in Format HHMM	
Time expressed in the format HHMM where HH is	
the numerical expression of hours in the day base	
on a twenty-four hour clock and MM is the numeri	cal
expression of minutes within an hour	_
DTM06 1251 Date Time Period X AN 1/3	5
Expression of a date, a time, or range of dates, times or dates and times	

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 Sl01 defines the source for each of the service characteristics

qualifiers.

Notes: SI\*TI\*RE\*REQTYP(LSR-23)

SI\*TI\*AA\*ACT(LSR-24)
SI\*TI\*LS\*LSO(LSR-43)
SI\*TI\*TY\*TOS(LSR-44)
SI\*TI\*SS\*SPEC(LSR-45)
SI\*TI\*NC\*NC(LSR-46)
SI\*TI\*NI\*NCI(LSR-48)
SI\*TI\*IW\*IWO(EU-36)

#### **Data Element Summary**

			Duta Lioinione	• a		
	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>			
	Attributes					
M	SI01	559	Agency Qualifier Code			ID 2/2
			Code identifying th	ne agency assigning the code values		
			TI	Telecommunications Industry		
M	SI02	1000	Service Characte	M	AN 2/2	
			Code from an inducharacteristics	ice		
			AA	Account Activity		
			IW	Inside Wire Options		
			LS	Local Serving Office		
			NC	Network Channel		
			NI	Network Channel Interface		
			RE	Requisition Type		
			SS	Service Sub-category		
			TY	Type of Service		
M	SI03	234	Product/Service	ID	M	AN 1/48

Identifying number for a product or service

ACT (LSR-24) = Activity

A=(DWS : N-New Installation)

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

C=(DWS : C-Change)

V=(DWS : V-Conv. As Specified) W=(DWS : W-Conversion As Is)

SD=(DWS: L-Seasonal Suspend (not valid in WA or OR))

RS=(DWS : B-Restore)

T=(DWS : T-Outside Move (T/F))

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

M=(DWS : M-Inside Move)

REQTYP (LSR-23) = Requisition Type and Status

LSO (LSR-43) = Local Service Office TOS (LSR-44) = Type of Service

SPEC (LSR-45) = Service and Product Enhancement Code

NC (LSR-46) = Network Channel Code

NCI (LSR-48) = Network Channel Interface Code

IWO (EU-36) = Inside Wire Options

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)

# **Data Element Summary**

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>	•		
M	PID01	349	Item Description	т Туре	M	ID 1/1
			Code indicating the	ne format of a description		
			S	Structured (From Industry Code List)		
	PID03	559	Agency Qualifie	r Code	X	ID 2/2
			Code identifying t	he agency assigning the code values		
			TI	Telecommunications Industry		
	PID04	751	<b>Product Descrip</b>	tion Code	X	AN 1/12
			A code from an ir product characte	ndustry code list which provides specific ristic	data	about a
			AH	Coordinated Hot Cut		
			AO	Agency Authorization Status		
			BI	Final Bill Information Indicator		
			CONVIND	Conversion Indicator		
	PID07	822	Source Subqua	lifier	0	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

Segment: N9 Reference Identification

Position: 2950

Loop: N9 Optional

Level: Heading Usage: Optional

Max Use: 1

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

Identification Qualifier

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

2 If N906 is present, then N905 is required.

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

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

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

Comments:

Notes: N9\*H7\*ORI\*LSR\*\*\*\*2W>MANUAL IND(LSR-108a)

			Data Element Gammary		
	Ref.	Data			
	Des.	<u>Element</u>	<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		
			"LSR"		
	N907	C040	Reference Identifier	0	
			To identify one or more reference numbers or identificatio 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 (LSR-108a) = Manual Indicator		

MTX Text Segment:

Position: 3000

> 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(LSR-108) 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 (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\*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 identificatio 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 (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\*RESALE\*\*\*\*2W>MANUAL IND(RE-60b)

	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 Transac specified by the Reference Identification Qualifier ORI Order Instructions	tion S	Set or as
	N903	369	Free-form Description	X	AN 1/45
			Free-form descriptive text		
			"RESALE"		
	N907	C040	Reference Identifier	0	
			To identify one or more reference numbers or identification specified by the Reference Qualifier	n nu	mbers as
М	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 Transac specified by the Reference Identification Qualifier	tion S	Set or as
			MANUAL IND (RE-60b) = Manual Indicator		

MTX Text Segment:

Position: 3000

> N9 Loop: Optional

Level: Heading 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\*\*REMARKS(RE-60a) 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 (RE-60a) = 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

PER Administrative Communications Contact Segment:

Position: 3600

> Loop: N1 Optional

Level: Heading Optional Usage: 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. 1 **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) PER\*AL\*ALT IMPCON(LSR-94)\*TE\*TEL NO(LSR-95)\*BN\*PAGER(LSR-96)

**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 AG Agent Alternate Contact ALPerson to be contacted when the main contact is not available CN General Contact PER02 AN 1/60 93 Name Free-form name INIT (LSR-81) = Initiator Identification

IMPCON (LSR-91) = Implementation Contact

ALT IMPCON (LSR-94) = Alternate Implementation Contact

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

Code identifying the type of communication number

Telephone

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

Complete communications number including country or area code when

applicable

TEL NO (LSR-82) = Telephone Number TEL NO (LSR-92) = Telephone Number TEL NO (LSR-95) = Telephone Number

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

Code identifying the type of communication number

BN Beeper Number FX Facsimile

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

Complete communications number including country or area code when

		applicable		
		FAX NO (LSR-84) = Facsimile Number		
		PAGER (LSR-93) = Pager Number		
		PAGER (LSR-96) = Pager Number		
PER07	365	Communication Number Qualifier	X	ID 2/2
		Code identifying the type of communication number		
		EM Electronic Mail		
PER08	364	Communication Number	X	AN 1/256
		Complete communications number including country applicable	or area o	code when
		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**

			Data Lielliellt	Sullillal y		
	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>			
	<u>Attributes</u>					
M	N101	98	Entity Identifier	Code	M	ID 2/3
			Code identifying a an individual	n organizational entity, a physical locati	on, į	property or
			AN	Authorized From		
				A geographic location designated as a pick-up or origin point for a shipment	n aı	uthorized
	N102	93	Name		X	AN 1/60
			Froo-form name			

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\*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 Bill Name

Segment: N4 Geographic Location

Position: 3400

Loop: N1 Optional

Level: Heading
Usage: Optional

Max Use: >1

**Purpose:** To specify the geographic place of the named party **Syntax Notes:** 1 Only one of N402 or N407 may be present.

2 If N406 is present, then N405 is required. 3 If N407 is present, then N404 is required.

**Semantic Notes:** 

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

be adequate to specify a location.

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

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

**Data Element Summary** 

Ref. 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 **Postal Code** ID 3/15 0

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

Durness: To

Ref.

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

Syntax Notes: Semantic Notes: Comments:

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>			
М	Attributes NX201	1106	Address Compo	nent Qualifier	М	ID 2/2
•••			•	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	ı 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: 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. <u>Des.</u>	Data <u>Element</u>	<u>Name</u>		
<u>Attributes</u>				
SI01	559	Agency Qualifier Code	М	ID 2/2
		Code identifying the agency assigning the code values		
		TI Telecommunications Industry		
SI02	1000	Service Characteristics Qualifier	M	AN 2/2
		Code from an industry code list qualifying the type of ser characteristics	vice	
		AF Address Format Type		
SI03	234	Product/Service ID	M	AN 1/48
		Identifying number for a product or service		
		AFT (EU-44a) = Address Format Type		
	Des. Attributes SI01 SI02	Des. Element Attributes SI01 559 SI02 1000	Des.   Attributes     Sl01	Des.   Attributes   SI01   559   Agency Qualifier Code   M

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.

11 If either PO122 or PO123 is present, then the other is required.12 If either PO124 or PO125 is present, then the other is required.

**Semantic Notes:** 

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

2 PO101 is the line item identification.

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

ISBN No., Model No., or SKU.

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

Ref.	Data			
Des.	<u>Element</u>	<u>Name</u>		
Attributes	250	Assistant Islandiffication	_	ANI 4/00
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	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		
		"EU_SA"		

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\*OP\*WSOP(EU-31)\*TN\*WSOP TEL NO(EU-31a)

			Data Liomont Cammary		
	Ref.	Data			
	Des.	<b>Element</b>	<u>Name</u>		
	<b>Attributes</b>				
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	М	AN 2/2
			Code from an industry code list qualifying the type of serv characteristics	ice	
			OP Working Service on Premises		
M	SI03	3 234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
			WSOP (EU-31) = Working Service on Premises		
	SI04	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of serv characteristics	ice	
			TN Telephone Number		
	SI05	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
			WSOP TEL NO (EU-31a) = Working Service on Premises Number	Tel	ephone

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 Licinciit (	Janinary		
	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	Product Descript	ion Code	X	AN 1/12
				A code from an industry code list which provides specific product characteristic		
	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

			Data Liement Jumnary		
	Ref.	Data			
	Des.	<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 Transact specified by the Reference Identification Qualifier	on S	Set or as
			LOCNUM (EU-7) = Location Number		
	REF03	352	Description	Χ	AN 1/80
			A free-form description to clarify the related data elements content	and	I their
			"LOCNUM"		

Segment: N9 Reference Identification

Position: 3300

Loop: N9 Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To transmit identifying information as specified by the Reference

Identification Qualifier

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

2 If N906 is present, then N905 is required.

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

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

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

Comments:

Notes: N9\*L1\*ACC\*EU

**Data Element Summary** 

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

Updated: January 21, 2002

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\*\*ACC(EU-30)

**Data Element Summary** 

Ref. Data

Des. Element Name

**Attributes** 

MTX02 1551 Message Text X AN 1/4096

To transmit large volumes of message text

ACC (EU-30) = Access Information

Segment: N1 Name

Position: 3500

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use:

**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.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(EU-25)\*ZIP(EU-26)\*\*RJ\*CALA(EU-26a)

Ret.	Data			
Des.	<u>Element</u>	<u>Name</u>		
<b>Attributes</b>				
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	Χ	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)

LD2(EU-19) = Location Designator 2

32=(DWS : FLR)

14=(DWS: SUIT)

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 or boat is docked
			37	Unit
				A unit or separate structure
			39	Unstructured Property
			40	Street Suffix
			59	Street Number Low
			61	Street Number Fraction
			62	Street Name Suffix
			63	Secondary Unit Identifier
М	NX202	166	Address Informat	tion M AN 1/55
			Address information	
				Service Address Number
			` ,	Service Address Street Name
				Service Address Street Directional Prefix
			BOX (EU-23c) = B ROUTE (EU-23b) = B	
			CITY (EU-24) = $Ci$	
				ssigned House Number
				Service Address Street Directional Suffix
				Service Address Number Prefix
			SASF $(EU-12) = S$	Service Address Number Suffix
			CATILI/ELLACY O	Namina Address Chast Tuns

SATH (EU-15) = Service Address Street Type

LV1 (EU-18) = Location Value 1 LV2 (EU-20) = Location Value 2 LV3 (EU-22) = Location Value 3 Segment: PER Administrative Communications Contact

Position: 4000

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use: 3

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

should be directed

**Syntax Notes:** 1 If either PER03 or PER04 is present, then the other is required.

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\*CA\*LCON(EU-27)\*TE\*TEL NO(EU-28)

			Data Elomont Gamma,		
	Ref.	Data			
	<u>Des.</u>	<u>Element</u>	<u>Name</u>		
	<u>Attributes</u>				
M	PER01	366	Contact Function Code	M	ID 2/2
			Code identifying the major duty or responsibility of the named	person	or group
			CA Customer Contact Granting Appoir	ıtment	
	PER02	93	Name	0	AN 1/60
			Free-form name		
			LCON (EU-27) = Local Contact		
	PER03	365	Communication Number Qualifier	X	ID 2/2
			Code identifying the type of communication number		
			TE Telephone		
	PER04	364	Communication Number	X	AN 1/256
			Complete communications number including country o applicable	r area d	code when
			TEL NO (EU-28) = Telephone Number		

Segment: SI Service Characteristic Identification

Position: 4050

Loop: N1 Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To specify service characteristic data

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

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-9)

Ref. Des.	Data <u>Element</u>	<u>Name</u>		
	FFO	Amenau Qualifian Cada	8.4	ID 9/9
5101	559		IVI	ID 2/2
		, , , , , ,		
		TI Telecommunications Industry		
SI02	1000	Service Characteristics Qualifier	M	AN 2/2
		Code from an industry code list qualifying the type of ser characteristics	vice	
		AF Address Format Type		
SI03	234	Product/Service ID	M	AN 1/48
		Identifying number for a product or service		
		AFT (EU-9) = Address Format Type		
	Des. Attributes SI01 SI02	Des. Element Attributes SI01 559 SI02 1000	Des.   Attributes     Sl01   559   Agency Qualifier Code     Code identifying the agency assigning the code values     TI   Telecommunications Industry     Sl02   1000   Service Characteristics Qualifier     Code from an industry code list qualifying the type of service characteristics     AF   Address Format Type     Sl03   234   Product/Service ID     Identifying number for a product or service	Des.   Attributes   SI01   559   Agency Qualifier Code   Code identifying the agency assigning the code values   TI   Telecommunications Industry

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.
If either PO114 or PO115 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\_DISC [PO1 Loop may repeat]

Ref.	Data			
Des.	<u>Element</u>	<u>Name</u>		
Attributes	250	Assistant Islandiffication	_	ANI 4/00
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	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		
		"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> Attributes	Data <u>Element</u>	<u>Name</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 Characte	eristics Qualifier	M	AN 2/2
			Code from an indecharacteristics	ustry code list qualifying the type of serv	rice	
			ND	Disconnect Number		
			T6	Transfer of Calls Options		
M	SI03	234	Product/Service	ID	M	AN 1/48
			Identifying number	r for a product or service		
				s) = 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

			Data Element Gammary		
	Ref.	Data			
	Des.	<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 Transac specified by the Reference Identification Qualifier	tion S	Set or as
			DNUM (EU-54) = Disconnect Line Number		
	REF03	352	Description	Х	AN 1/80
			A free-form description to clarify the related data elemen content	ts and	d 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

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 (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.
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.	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 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
М	C00101	355	To identify a composite unit of measure (See Figure 2) Examples of use)  Unit or Basis for Measurement Code	ures Appendix for  M ID 2/2
IVI	Cooloi	333		
			Code specifying the units in which a value is being manner in which a measurement has been taken EA Each	j expressed, or

Segment: SI Service Characteristic Identification

Position: 4800

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To specify service characteristic data

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

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(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	

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

**SLN** Subline Item Detail Segment:

Position: 4700

> Loop: SLN Optional

Level: Detail Optional Usage:

Max Use:

Purpose: To specify product subline detail item data

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

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

4 If either SLN09 or SLN10 is present, then the other is required. 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. **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:** SLN01 is the identifying number for the subline item.

> 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.

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.

> 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.

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 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
	C00404	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	J 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.	Data			
	Des.	<u>Element</u>	<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	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	

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-61)

**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

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

			<b></b>	mem canna,		
	Ref. Des.	Data <u>Element</u>	<u>Name</u>			
1	Attributes REF01	128	Reference	Identification Qualifier	М	ID 2/3
			Code qualif	ying the Reference Identification		
			55	Sequence Number		
	REF02	127	Reference	Identification	X	AN 1/30
				information as defined for a particular Transact the Reference Identification Qualifier	tion (	Set or as
			TCID (EU-6	0) = Transfer of Calls to Identifier		
	REF03	352	Description	n	Χ	AN 1/80
A free-form description to clarify the related content			description to clarify the related data element	s an	d their	
			"SEC"			

Segment: Baseline Item Data - Resale Form (Service Details Section)

Position: 0100

> Loop: PO1 Mandatory

Level: Detail Mandatory Usage:

Max Use:

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

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

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. **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:** 

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

PO101 is the line item identification. 2

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.

PO1\*n\*1\*EA\*\*\*ZZ\*RE [PO1 Loop repeats RSQTY (RE-5) times] Notes:

Ref.	Data	·		
Des.	<u>Element</u>	<u>Name</u>		
<u>Attributes</u>	252	A 1 11 19 19	_	411.4/00
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	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		
		"RF"		

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(RE-12)

SI\*TI\*TN\*TNS(RE-15) SI\*TI\*OT\*OTN(RE-19) SI\*TI\*TQ\*PTLI(RE-23) SI\*TI\*TD\*PTKCON(RE-24) SI\*TI\*CN\*ECCKT(RE-28) SI\*TI\*T6\*TC OPT(RE-35) SI\*TI\*TS\*SGNL(RE-50) SI\*TI\*SY\*SSIG(RE-51) SI\*TI\*PE\*PULSE(RE-52)

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>	<b>,</b>		
M	SI01	559	Agency Qualifier	Code	M	ID 2/2
			Code identifying th	e agency assigning the code values		
			Π	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	
			CN	Circuit Number Identification		
			OT	Out Telephone Number		
			PE	Pulse Type		
			SA	Service Activity		
			SY	Start Signaling		
			T6	Transfer of Calls Options		
			TD	Transmission Duplex		
			TN	Telephone Number		
			TQ	Telephone Line Identifier		
			TS	Type of Signaling		
M	SI03	234	Product/Service	ID	M	AN 1/48

## Identifying number for a product or service

LNA (RE-12) = Line Activity

CT=(DWS : X-TN Change)

C=(DWS : C-Change)

A=(DWS : N-New)

D=(DWS : D-Disconnect)

V=(DWS : V-Conversion of Service As Specified)

P=(DWS : P-PIC Change)

L=(DWS : L-Seasonal Suspend)

W=(DWS : W-Conversion As Is)

TNS (RE-15) = Telephone Numbers
OTN (RE-19) = Out Telephone Number
PTLI (RE-23) = PBX Lead Telephone Line
PTKCON (RE-24) = PBX Trunk Configuration
ECCKT (RE-28) = Exchange Company Circuit ID
TC OPT (RE-35) = Transfer of Call Options

SGNL (RE-50) = Signaling SSIG (RE-51) = Start Signaling PULSE (RE-52) = Type of Pulsing 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\*AG\*\*\*SO-RSQ\*NIDR(RE-47)

			Data Licinciit	ounning y		
	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>			
М	PID01	349	Item Description	Type	М	ID 1/1
	11501	0-10	•	e format of a description	•••	
			S	Structured (From Industry Code List)		
				,		
	PID03	559	Agency Qualifier	· Code	X	ID 2/2
			Code identifying the	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 incorproduct character AG	dustry code list which provides specific istic  Network Interface Device Request	data	about a
	PID07	822	Source Subqual	ifier	0	AN 1/15
			A reference that in Qualifier	ndicates the table or text maintained by		Source
			SO-RSQ	Service Order - Reseller Questions lis	st	
	PID08	1073	Yes/No Condition	n or Response Code	0	ID 1/1
			Code indicating a	Yes or No condition or response		
			NIDR (RE-47) = N	ID Request		

REF Reference Identification Segment:

Position: 1000

PO1 Loop: Mandatory

Level: Detail Optional Usage: Max Use: >1

Purpose: To specify identifying information

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

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:

Ref.

Notes: REF\*IX\*LNUM(RE-9)\*LNUM

> REF\*GP\*TSP(RE-25) REF\*AE\*SAN(RE-26)

> > **Data Element Summary**

Data Des. **Element Name Attributes** 

М REF01 128 **Reference Identification Qualifier** ID 2/3 М

Code qualifying the Reference Identification

ΑE Authorization for Expense (AFE) Number

GP Government Priority Number

ΙX Item Number

REF02 AN 1/30 127 Reference Identification Χ

Reference information as defined for a particular Transaction Set or as

specified by the Reference Identification Qualifier

LNUM (RE-9) = Line Number

TSP (RE-25) = Telecommunications Service Priority SAN (RE-26) = Subscriber Authorization Number

REF03 352 X Description AN 1/80

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

content

"LNUM"

Segment: DTM Date/Time Reference

Position: 2100

Loop: PO1 Mandatory

Level: Detail
Usage: Optional
Max Use: 10

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

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

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}(RE-40)

**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 (RE-40) = Transfer of Calls Period

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(RE-30)

			Data Element 3	bummary		
	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>	•		
M	N101	98	Entity Identifier C	ode	M	ID 2/3
			an individual	n organizational entity, a physical loca	tion, <sub> </sub>	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 t Identification Code	he system/method of code structure u (67)	ısed f	or
			41	Telecommunications Carrier Identifica	ation	Code
				Identifies the Interexchange carrier fo being billed	r the	charges
	N104	67	<b>Identification Cod</b>	de	Χ	AN 2/80
			Code identifying a	party or other code		
			PIC (RE-30) = Inter	rLATA Pre-subscription Indicator Code	<del>)</del>	

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(RE-31)

			Dala Element	Summary		
	Ref.	Data				
	Des.	Element	Name			
	Attributes					
M	N101	98	Entity Identifier (	Code	M	ID 2/3
			Code identifying a an individual	n organizational entity, a physical loca	ıtion,	property or
			8V	Primary Intra-LATA (Local Access Ti	ransp	ort Area)
				Carrier		•
	N103	66	Identification Co	ode Qualifier	X	ID 1/2
			Code designating Identification Code	the system/method of code structure (e (67)	used 1	for
			41	Telecommunications Carrier Identific	ation	Code
				Identifies the Interexchange carrier for being billed	or the	charges
	N104	67	<b>Identification Co</b>	de	X	AN 2/80
			Code identifying a party or other code			
			LPIC (RE-31) = In	traLATA Pre-subscription Indicator Co	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.

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.

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 set	n a t	ransaction
			"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	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
5.4	C00404	255	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 b manner in which a measurement has been tak 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(RE-38)

	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 (RE-38) = Transfer of Calls To Primary Number	r	

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(RE-38b)

**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 (RE-38b) = 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(RE-38a)\*PRI

M	Ref. <u>Des.</u> Attributes REF01	Data Element 128	Name 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		et or as
			TCID (RE-38a) = 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	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.

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. <u>Des.</u> Attributes	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		
			"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	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	055	To identify a composite unit of measure (See Figur 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: 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(RE-39)

	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 (RE-39) = Transfer of Calls To Secondary Nu	mbe	r

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(RE-42)

**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 (RE-42) = 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(RE-41)\*SEC

			<b>D a</b> ta <b>D</b> ioi.			
	Ref. <u>Des.</u>	Data Element	<u>Name</u>			
1	Attributes REF01	128	Reference le	dentification Qualifier	M	ID 2/3
			Code qualifyi	ng the Reference Identification		
			55	Sequence Number		
	REF02	127	Reference le	dentification	X	AN 1/30
				formation as defined for a particular Transa the Reference Identification Qualifier	action (	Set or as
			TCID (RE-41)	) = Transfer of Calls to Identifier		
	REF03	352	Description		Χ	AN 1/80
			A free-form d content	lescription to clarify the related data eleme	nts an	d their
			"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.
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\*IW\*n\*A\*IWJQ(RE-49)\*EA\*\*\*\*EQ\*IWJK(RE-48) [SLN Loop may repeat per

Inside Wiring 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 with set	in a t	ransaction
			"IW"		
	SLN02	350	Assigned Identification	0	AN 1/20
			Alphanumeric characters assigned for differentiation with set	in 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		
			IWJQ (RE-49) = Inside Wire Jack Quantity		
	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	l, or
	SLN09	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive num Product/Service ID (234) EQ Equipment Type	ber us	ed in
	SLN10	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
			IWJK (RE-48) = Inside Wire Jack Code		

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.
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 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\*BL\*n\*A\*1\*EA

	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 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	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 ex manner in which a measurement has been taken EA Each	pressed	, 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(RE-54)\*TB\*BLOCK(RE-55)

	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 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	
			BB Blocking Activity		
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
			BA (RE-54) = Blocking Activity		
	SI04	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of service characteristics	/ice	
			TB Blocking/Billing Exception		
	SI05	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
			BLOCK (RE-55) = 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.

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 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.	<u>Element</u>	<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 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 Appendix for examples of use)				
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: 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\*SA\*FA(RE-58)\*SC\*FEATURE(RE-59)

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

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	Name	Janimary		
M	SI01	559	<b>Agency Qualifier</b>	М	ID 2/2	
			Code identifying the agency assigning the code values			
			TI	Telecommunications Industry		
M	SI02	1000	Service Characte	М	AN 2/2	
			Code from an inducharacteristics FD SA	stry code list qualifying the type of serv  Feature Data  Service Activity	rice	
М	SI03	234	Product/Service	•	М	AN 1/48
		-	Identifying number	for a product or service		
			FA (RE-58) = Feat A = (DWS: N- Ad CF = (DWS: C-C D = (DWS: D-Dis V = (DWS: V-Cd CT = (DWS: T-C			
	SI04	1000	Service Characte	ristics Qualifier	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 (RE-59)	= Feature Codes		

Segment: PO1 Baseline Item Data - Regular Hunting

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\*HG [If this segment appears, HNTYP(LSR-116) = 5]

		- a.a		
Ref.	Data			
Des.	<u>Element</u>	<u>Name</u>		
<u>Attributes</u>				
PO101	350	Assigned Identification	0	AN 1/20
		Alphanumeric characters assigned for differentiation within set	n a tı	ansaction
		"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 expressmanner in which a measurement has been taken EA Each	sed,	or
PO106	235	Product/Service ID Qualifier	Χ	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		
		"HG"		

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\*HA(LSR-112)

SI\*TI\*SG\*HID(LSR-113) SI\*TI\*SF\*HNTYP(LSR-116)

## **Data Element Summary**

	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>			
	<b>Attributes</b>					
M SI01		559	Agency Qu	alifier Code	M	ID 2/2
			Code identify	ying the agency assigning the code values		
			TI	Telecommunications Industry		
M	SI02	1000	Service Cha	aracteristics Qualifier	M	AN 2/2
			Code from an industry code list qualifying the type of se characteristics			
			SA	Service Activity		
			SF	Service Feature/Option		
			SG	Service Group		
M	SI03	234	Product/Se	rvice ID	M	AN 1/48

Identifying number for a product or service

HA (LSR-112) = Hunt Group Activity

A = (DWS: N-New) C = (DWS: C-Change) D = (DWS: D-Remove)

V = (DWS: V-Conversion As Specified)

HNTYP (LSR-116) = Hunting Type Code HTY003 = (DWS: 5-Regular/Series) HTY004 = (DWS: 4-Multi-Line)

HID (LSR-113) = Hunt Group 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\*IX\*HNUM(LSR-110)\*HNUM

	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 HNUM (LSR-110) = Hunt Number	ction S	Set or as
	REF03	352	<b>Description</b> A free-form description to clarify the related data element content "HNUM"	<b>X</b> ts and	AN 1/80 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.
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 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\*HNT\*n\*A\*1\*EA

		_			
	Ref.	Data			
	Des.	<b>Element</b>	<u>Name</u>		
	<b>Attributes</b>				
M	SLN01	350	Assigned Identification	M	AN 1/20
			Alphanumeric characters assigned for differentiation within	n a t	ransaction
			set		
			"HNT"		
	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 examples of use)	Append	lix for
M	C00101	355	Unit or Basis for Measurement Code	M	ID 2/2
			Code specifying the units in which a value is being ex manner in which a measurement has been taken EA Each	pressed	, or

Segment: **N9** Reference Identification

Position: 5230

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\*55\*HTSEQ

**Data Element Summary** 

Ref. Data Element Name Des. **Attributes** М **Reference Identification Qualifier** ID 2/3 N901 128 М Code qualifying the Reference Identification 55 Sequence Number N902 AN 1/30 127 **Reference Identification** Χ

Reference information as defined for a particular Transaction Set or as

specified by the Reference Identification Qualifier

"HTSEQ"

Segment: MTX Text

Position: 5250

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\*\*HTSEQ(LSR-118)

**Data Element Summary** 

Ref. Data

Des. Element Name

**Attributes** 

MTX02 1551 Message Text X AN 1/4096

To transmit large volumes of message text

HTSEQ (LSR-118) = Hunting Sequence

Segment: PO1 Baseline Item Data - Multi-Line Hunting

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.

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 SKL.

ISBN No., Model No., or SKU.

Notes: PO1\*n\*1\*EA\*\*\*ZZ\*ML [If this segment appears, HNTYP(LSR-116) = 4]

		Data Elomont Gammary		
Ref. Des.	Data Element	<u>Name</u>		
Attributes PO101	350	Assigned Identification	0	AN 1/20
10101	330	•	•	
		Alphanumeric characters assigned for differentiation withi set	n a tı	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	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		
		"ML"		

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 SI01 defines the source for each of the service characteristics

qualifiers.

Notes: SI\*TI\*SA\*HA(LSR-112)

SI\*TI\*SG\*HID(LSR-113) SI\*TI\*SF\*HNTYP(LSR-116) SI\*TI\*TQ\*TLI(LSR-115)

#### **Data Element Summary**

	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>			
	<b>Attributes</b>					
M	SI01	559	<b>Agency Qualif</b>	ier Code	M	ID 2/2
			Code identifying	the agency assigning the code values		
			TI	Telecommunications Industry		
M	SI02	1000	Service Chara	cteristics Qualifier	М	AN 2/2
			Code from an ir characteristics	ndustry code list qualifying the type of ser	vice	
			SA	Service Activity		
			SF	Service Feature/Option		
			SG	Service Group		
			TQ	Telephone Line Identifier		
M	SI03	234	Product/Service	ce ID	M	AN 1/48
			Identifying numb	per for a product or service		
			LIA (LOD 440)	II ( O A (' ')		

HA (LSR-112) = Hunt Group Activity

A = (DWS: N-New) C = (DWS: C-Change) D = (DWS: D-Remove)

V = (DWS: V-Conversion As Specified)

HNTYP (LSR-116) = Hunting Type Code HTY003 = (DWS: 5-Regular/Series) HTY004 = (DWS: 4-Multi-Line)

HID (LSR-113) = Hunt Group Identifier TLI (LSR-115) = Telephone Line 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\*IX\*HNUM(LSR-110)\*HNUM

			Data Element Gammary		
	Ref.	Data			
	Des.	<b>Element</b>	<u>Name</u>		
	<b>Attributes</b>				
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 Transact specified by the Reference Identification Qualifier	ion S	Set or as
			HNUM (LSR-110) = Hunt Number		
	REF03	352	Description	Χ	AN 1/80
			A free-form description to clarify the related data elements content	s and	I their
			"HNUM"		

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.

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

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\*MHNT\*n\*A\*1\*EA

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>		
M	SLN01	350	Assigned Identification	М	AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set		
			"MHNT"		
	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	X	R 1/15

			Numeric valu	ie of quantity		
			1	Always One		
	SLN05	C001	Composite (	Unit of Measure	X	
	C004.04	255	examples of	,		
М	C00101	355		s for Measurement Code	M	ID 2/2
				ring the units in which a value is bein nich a measurement has been taker Each	• .	, or

Segment: **N9** Reference Identification

Position: 5230

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\*55\*HTSEQ

**Data Element Summary** 

Ref. Data Element Name Des. **Attributes** М **Reference Identification Qualifier** ID 2/3 N901 128 М Code qualifying the Reference Identification 55 Sequence Number N902 AN 1/30 127 **Reference Identification** Χ

Reference information as defined for a particular Transaction Set or as

specified by the Reference Identification Qualifier

"HTSEQ"

Segment: MTX Text

Position: 5250

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\*\*HTSEQ(LSR-118)

**Data Element Summary** 

Ref. Data

Des. Element Name

**Attributes** 

MTX02 1551 Message Text X AN 1/4096

To transmit large volumes of message text

HTSEQ (LSR-118) = Hunting Sequence

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 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.

10 If either PO120 or PO121 is present, then the other is required.11 If either PO122 or PO123 is present, then the other is required.

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

**Semantic Notes:** 

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

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

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

ISBN No., Model No., or SKU.

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

Ref.	Data			
Des.	<b>Element</b>	<u>Name</u>		
<u>Attributes</u>	250	A salamed Identification	_	A NI 4/20
PO101	350	Assigned Identification	0	AN 1/20
		Alphanumeric characters assigned for differentiation within set	n a tı	ansaction
		"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		
		"DA"		

Segment: SI Service Characteristic Identification

Position: 0180

Loop: PO1 Mandatory

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

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

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	M	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:

**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 A	Additional Demand Quantity		
	QTY02	380	Quantity		X	R 1/15
			Numeric value of qua	antity		
			DIRQTYA (DL-103) =	<ul> <li>Number of Directories for Annual De</li> </ul>	livery	/
	QTY03	C001	<b>Composite Unit of</b>	Measure	0	
			To identify a compose examples of use)	site unit of measure (See Figures Ap	pend	ix for
M	C00101	355	Unit or Basis for M	easurement Code	M	ID 2/2
		manner in which a m	units in which a value is being expres neasurement has been taken Directory Books	ssed,	or	
			N	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.	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		
			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	V
	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: 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\*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

**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(DL-99)\*ZIP(DL-100)

**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** 0

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**

	<u>Des.</u> Attributes	Element	<u>Name</u>			
M	NX201	1106	Address Cor	mponent Qualifier	M	ID 2/2
			Code qualifying	ng 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 Info	ormation	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.
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 SKU.

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

Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>		
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		
		"DL"		
PO108	235	Product/Service ID Qualifier	X	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:	PO1	Mandatory			
	Level:	Detail				
	Usage: Max Use:	Optional >1				
	Purpose:		fy service ch	aracteristic data		
	Syntax Notes:			SIO5 is present, then the other is required.		
	•	2 If eit	her SI06 or S	SI07 is present, then the other is required.		
				SI09 is present, then the other is required.		
				SI11 is present, then the other is required.		
				SI13 is present, then the other is required. SI15 is present, then the other is required.		
				SI17 is present, then the other is required.		
				SI19 is present, then the other is required.		
				SI21 is present, then the other is required.		
;	Semantic Notes:			-		
	Comments:			source for each of the service characteristics		
	Notes.		ifiers.			
	Notes:		*LACT(DL-10 *LTY(DL-13)	")		
			/*STYC(DL-1	5)		
			*TOA(DL-16)			
			s*DOI(DL-17)			
			I*DIRNAME(D	· · · · · · · · · · · · · · · · · · ·		
			*BRO(DL-28)	,		
			Data Elemeı	nt Summary		
	Raf	Data		···· • • ·····························		
	Ref. Des.	Data Element	Name	<b>,</b>		
	Ref. <u>Des.</u> <u>Attributes</u>	Data <u>Element</u>	<u>Name</u>	<b>,</b>		
М	Des.			ualifier Code	M	ID 2/2
M	<u>Des.</u> <u>Attributes</u>	Element	Agency Qu	•	M	ID 2/2
M	<u>Des.</u> <u>Attributes</u>	Element	Agency Qu	ıalifier Code	M	ID 2/2
M	<u>Des.</u> <u>Attributes</u>	Element	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	Element 559	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 sen	М	
	<u>Des.</u> <u>Attributes</u> SI01	Element 559	Agency Qui Code identifi 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 sen	<b>M</b> ⁄ice	
	<u>Des.</u> <u>Attributes</u> SI01	Element 559	Agency Qui Code identifi 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 sentics	<b>M</b> ⁄ice	
	<u>Des.</u> <u>Attributes</u> SI01	Element 559	Agency Qu Code identif TI Service Ch Code from a characterist BO	ralifier Code fying the agency assigning the code values Telecommunications Industry raracteristics Qualifier an industry code list qualifying the type of sentics Business/Residence Placement Over	<b>M</b> ⁄ice	
	<u>Des.</u> <u>Attributes</u> SI01	Element 559	Agency Qui Code identifi TI Service Ch Code from a characteristi BO BR	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	<b>M</b> ⁄ice	
	<u>Des.</u> <u>Attributes</u> SI01	Element 559	Agency Que Code identif TI Service Ch Code from a characterist BO BR DG	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	<b>M</b> ⁄ice	
	<u>Des.</u> <u>Attributes</u> SI01	Element 559	Agency Qui Code identifi TI Service Ch Code from a characteristi BO BR DG DN LB	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	<b>M</b> ⁄ice	
	<u>Des.</u> <u>Attributes</u> SI01	Element 559	Agency Qui Code identifi TI Service Ch Code from a characteristi BO BR DG DN	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	<b>M</b> ⁄ice	
М	<u>Des.</u> <u>Attributes</u> SI01 SI02	559 1000	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 sentics 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	AN 2/2
	<u>Des.</u> <u>Attributes</u> SI01	Element 559	Agency Qui Code identifi TI Service Ch Code from a characteristi BO BR DG DN LB LE TW	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	<b>M</b> vice	
М	<u>Des.</u> <u>Attributes</u> SI01 SI02	559 1000	Agency Que Code identify TI Service Ch Code from a characterist BO BR DG DN LB LE TW Product/Se Identifying n	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  Prvice ID number for a product or service	<b>M</b> vice	AN 2/2
М	<u>Des.</u> <u>Attributes</u> SI01 SI02	559 1000	Agency Qui Code identifi TI Service Ch Code from a characteristi BO BR DG DN LB LE TW Product/Se Identifying n LACT (DL-10	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	<b>M</b> vice	AN 2/2
М	<u>Des.</u> <u>Attributes</u> SI01 SI02	559 1000	Agency Qui Code identifi TI Service Ch Code from a characteristi BO BR DG DN LB LE TW Product/Se Identifying in LACT (DL-10 LTY (DL-13) STYC (DL-1	fying the agency assigning the code values Telecommunications Industry for acteristics 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  Prvice ID Sumber for a product or service  (0) = Listing Activity Indicator ) = Listing Type (5) = Style Code	<b>M</b> vice	AN 2/2
М	<u>Des.</u> <u>Attributes</u> SI01 SI02	559 1000	Agency Qui Code identifi TI Service Ch Code from a characterist BO BR DG DN LB LE TW Product/Se Identifying n LACT (DL-10 LTY (DL-13) STYC (DL-11 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 for a product or service  10) = Listing Type 15) = Style Code 15) = Type of Account	<b>M</b> vice	AN 2/2
М	<u>Des.</u> <u>Attributes</u> SI01 SI02	559 1000	Agency Qui Code identifi TI Service Ch Code from a characterist BO BR DG DN LB LE TW Product/Se Identifying n LACT (DL-10 LTY (DL-13) STYC (DL-17 TOA (DL-16) DOI (DL-17)	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 (6) = Type of Account (7) = Degree of Indent	<b>M</b> vice	AN 2/2
М	<u>Des.</u> <u>Attributes</u> SI01 SI02	559 1000	Agency Qui Code identifi TI Service Ch Code from a characterist BO BR DG DN LB LE TW Product/Se Identifying n LACT (DL-10 LTY (DL-13) STYC (DL-17 TOA (DL-16 DOI (DL-17) DIRNAME (I	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 for a product or service  10) = Listing Type 15) = Style Code 15) = Type of Account	M vice rride	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.

**5** If PIDUS is present, then PIDUS is required.

Semantic Notes: 1 Use PID03 to indicate the organization that publishes the code list

being referred to.

2 PID04 should be used for industry-specific product description codes.

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

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

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

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

used.

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

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

PID03.

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

ΑT

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**

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>			
M	PID01	349	<b>Item Description T</b>	уре	М	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	<b>Product Description</b>	on Code	X	AN 1/12
			product characteris	ustry code list which provides specific tic Omit Telephone Number Listed Name Placement	data	about a

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

> PO1 Loop: 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:

> 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: 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 Element Sum	imary		
	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>			
	<u>Attributes</u>					
M	N901	128	Reference Identification	tion Qualifier	М	ID 2/3
			Code qualifying the Re	ference Identification		
			82 Da	ta Item Description (DID) Reference	Э	
			a c	ecific data elements that the gover contractor to provide and are spelle puirement documents		
	N902	127	Reference Identificat	tion	Χ	AN 1/30
				as defined for a particular Transact ence Identification Qualifier	ion S	Set or as
			"LTXTY"			
	N903	369	Free-form Descriptio	n	X	AN 1/45
			Free-form descriptive to	ext		
			LTXTY (DL-57) = Listin	g Text Type		

MTX Text Segment:

Position: 3400

> N9 Optional Loop:

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:** 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.

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

**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: 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> Attributes	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 1 specified by the Reference Identification Qualifier ORI Order Instructions	ransaction S	Set or as
	N903	369	Free-form Description	X	AN 1/45
			Free-form descriptive text		
			"DL"		

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:

**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** N101 98 ID 2/3 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		•		
	Des.	<b>Element</b>	<u>Name</u>			
	Attributes					
М	IN201	1104	-	onent Qualifier	М	ID 2/2
			Code identifyi	ng 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 nan	ne		
			LNLN (DL-45)	= Listed Name Last		
				= Listed Name First		
			,	= Designation		
				Title of Lineage		
			•	9) = Title of Address 1 a) = Designation for Dual Name		
				= Title of Lineage for Dual Name		
				52) = Title of Address 1 for Dual Name		
			NICK (DL-54)			
	IN203	93	Name		0	AN 1/60
			Free-form nan	ne		
			,	= Listed Name First		
			"TL"			
			"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

Segment: NX2 Location ID Component

Position: 3850

Loop: N1 Optional

Data

166

Level: Detail
Usage: Optional
Max Use: >1

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

Syntax Notes: Semantic Notes: Comments:

RΔf

NX202

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**

	Rei.	Dala				
	Des.	<u>Element</u>	<u>Name</u>			
	Attributes					
М	NX201	1106	Address Compon	ient Qualifier	M	ID 2/2
			Code qualifying the	type of address component		
			01	Street Number		
			02	Street Name		
			03	Prefix Direction		
			07	City Name		
			18	Unstructured Mailing Address		
			40	Street Suffix		
			59	Street Number Low		
			61	Street Number Fraction		
			62	Street Name Suffix		

# Address Information 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

М

M AN 1/55

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.

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. <u>Des.</u> <u>Attributes</u>	Data <u>Element</u>	<u>Name</u>	<b>,</b>		
M	SI01	559	Agency Qualifier	r Code	M	ID 2/2
			Code identifying the	he agency assigning the code values		
			TI	Telecommunications Industry		
M	SI02	1000	Service Characte	eristics Qualifier	M	AN 2/2
			Code from an indecharacteristics	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 numbe	r for a product or service		
			` ,	ted Telephone Number Ion 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.	<u>Element</u>	<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	Х	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 expressmanner 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	nclud	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		

# Functional Group ID= PC

## Introduction:

The 860DTR will be used by the Co-Provider to change or cancel an 850DTR 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, Resale 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	
М	0200	BCH	Beginning Segment for Purchase Order Change	М	1	
	0500	REF	Reference Identification	Ο	>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	
			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	0	>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	
	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	
3100	N2	Additional Name Information	0	2	
3300	N4	Geographic Location	0	>1	
3350	NX2	Location ID Component	0	>1	
3550	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 - POC			>1
0100	POC	Line Item Change - End User Form	0	1	
0180	SI	(Location and Access Section) 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 - N1			200
3400	N1	Name	0	1	
3700	N4	Geographic Location	0	1	
3750	NX2	Location ID Component	Ο	>1	
3900	PER	Administrative Communications Contact	0	3	
3950	SI	Service Characteristic Identification	0	>1	
		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	Ο	>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	
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	
0100	POC	Line Item Change - Resale Form (Service	0	1		
0180	SI	Details Section) Service Characteristic Identification	0	>1		
0100	SI	LOOP ID - PID		<i>&gt;</i> 1	1000	
0500	PID	Product/Item Description	0	1	1000	
1000	REF	Reference Identification	0	>1		
2000	DTM	Date/Time Reference	0	10		
		LOOP ID - N1		ļ.	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		
		LOOP ID - SLN			>1	
4600	SLN	Subline Item Detail	0	1	>1	
4700	SI	Service Characteristic Identification	0	>1		
4700	Si					
		LOOP ID - SLN		ļ.	>1	
4600	SLN	Subline Item Detail	0	1		
4700	SI	Service Characteristic Identification	0	>1		
		LOOP ID - POC			>1	
0100	POC	Line Item Change - Regular Hunting	0	1		
0180	SI	Service Characteristic Identification	0	>1		
1000	REF	Reference Identification	0	>1		
		LOOP ID - SLN			>1	
4600	SLN	Subline Item Detail	0	1		
		LOOP ID - N9			>1	
5230	N9	Reference Identification	0	1		
5250	MTX	Text	0	>1		
		LOOP ID - POC			>1	
0100	POC	Line Item Change - Multi-Line Hunting	0	1		
						Į

0180	SI	Service Characteristic Identification	0	>1		l
1000	REF	Reference Identification	0	>1		
		LOOP ID - SLN	-	· ·	>1	
4600	SLN	Subline Item Detail	0	1	~ 1	
1000	OL. (	LOOP ID - N9		·	>1	
5230	N9	Reference Identification	0	1	21	
5250	MTX	Text	0	, >1		
3230	IVIIX					
		LOOP ID - POC			>1	
0100	POC	Line Item Change - DL Form (Delivery Address/Information Section)	0	1		
0180	SI	Service Characteristic Identification	0	>1		
		LOOP ID - QTY			>1	
2930	QTY	Quantity	0	1		
		LOOP ID - QTY			>1	
2930	QTY	Quantity	0	1	~1	
2000	QTT					
		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	0	1		
0180	SI	Details Section) 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	Reference Identification	0	1	1000	
3260	MTX	Text	0	>1		
0200	WIIX					
		LOOP ID - N9			1000	
3200	N9	Reference Identification	0	1		
3260	MTX	Text	0	>1		
		LOOP ID - N1			200	
3400	N1	Name	0	1		
3550	IN2	Individual Name Structure Components	0	>1		
3700	N4	Geographic Location	Ο	1		
3750	NX2	Location ID Component	Ο	>1		
3950	SI	Service Characteristic Identification	0	>1		

# Summary:

Pos. Seg. Req. Loop Notes and

	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des</u> .	Max.Use	<u>RepeatComments</u>	
			LOOP ID - CTT			1	
	0100	CTT	Transaction Totals	0	1	n1	
М	0300	SE	Transaction Set Trailer	М	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 #

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>	,		
M	ST01	143	Transaction	n Set Identifier Code	M	ID 3/3
			Code unique	ely identifying a Transaction Set		
			860	Purchase Order Change Request -	Buyer	Initiated
M	ST02	329	Transaction	n Set Control Number	M	AN 4/9
				ontrol number that must be unique within to oup assigned by the originator for a transa		

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	Data Liement Guilliary			
	<u>Des.</u> Attributes	Element	<u>Name</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	M	ID 2/2	
			Code specifying the type of Purchase Order			
			SS Supply or Service Order			
M	BCH03	324	Purchase Order Number	M	AN 1/22	
			Identifying number for Purchase Order assigned by the orderer/purchaser			
			PON (LSR-2) = Purchase Order Number			
	BCH05	327	Change Order Sequence Number	0	AN 1/8	
			Number assigned by the orderer identifying a specific charevision to a previously transmitted transaction set	nge	or	
	D.01100	.=-	VER (LSR-3) = Version Identification		DT 0/0	
M	BCH06	373	Date	M	DT 8/8	
			Date expressed as CCYYMMDD			
				PO Date = Purchase Order Date (See Trading Partner Ad Information)	cess	3

REF Reference Identification Segment:

0500 Position:

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.

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

Comments:

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

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

## **Data Element Summary**

	Ref.	Data				
	<u>Des.</u> Attributes	<u>Element</u>	<u>Name</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		
			СО	A vendor's order number that is in ad primary order number Customer Order Number	ldition	to a
			JB	Job (Project) Number		
			OW	Service Order Number		
			SU	Number assigned when a customer of and equipment and which appears of Special Processing Code		s service
				Unique code identifying the special h requirements for the claim	andlii	ng
	REF02	127	Reference Identif	fication	Χ	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 (RE-6) = Order Number REF03 352 Description 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.

IN ITIUICa

Comments:

Notes: PAM\*QU\*HTQTY(LSR-6)\*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\*QO\*RSQTY(RE-5)\*EA PAM\*BH\*DDQTY(DL-23)\*EA

## **Data Element Summary**

Ref.	Data				
<u>Des.</u> Attributes	<u>Element</u>	<u>Name</u>			
PAM01	673	Quantity Qualifie	er	X	ID 2/2
		Code specifying th	ne type of quantity		
		47	Primary Net Quantity		
		48	Secondary Net Quantity		
		BH	Book Order Quantity		
		KC	Net Quantity Decrease		
			The resultant quantity represents a ne a previously transmitted quantity, after		

have been made

QO Operating Quantity
QU Quantity Serviced

PAM02 380 Quantity X R 1/15

Numeric value of quantity

HTQTY (LSR-6) = Hunt Group Quantity First 2 bytes of PG\_of\_ (LSR-10) Second 2 bytes of PG\_of\_ (LSR-10)

			DQTY (EU-5) = Disconnect Quantity RSQTY (RE-5) = Resale Quantity DDQTY (DL-23) = Number of Delivery Segments		
	PAM03	C001	Composite Unit of Measure	Х	
			To identify a composite unit of measure (See Figur examples of use)	es 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 of manner in which a measurement has been taken  FA Fach	expressed	, or

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

Position: 1200

Loop: SAC Optional

Level: Heading Usage: Optional

Max Use: 1

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

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

or charge

**Syntax Notes:** 1 At least one of SAC02 or SAC03 is required.

If either SAC03 or SAC04 is present, then the other is required.
 If either SAC06 or SAC07 is present, then the other is required.

**4** If either SAC09 or SAC10 is present, then the other is required.

**5** If SAC11 is present, then SAC10 is required.

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

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

8 If SAC16 is present, then SAC15 is required.
Semantic Notes:
1 If SAC01 is "A" or "C", then at least one of SAC05, SA

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:

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"]

SAC\*N\*\*TI\*VT\*\*\*\*\*\*\*\*VTA(LSR-80)

#### **Data Element Summary**

Ref. Data

Des. Element Name

**Attributes** 

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

Code which indicates an allowance or charge for the service specified

		N	No Allowance or Charge			
SAC03	559	Agency Qualifie	r Code	X	ID 2/2	
		Code identifying the	he agency assigning the code values			
		TI	Telecommunications Industry			
SAC04	1301	Agency Service	, Promotion, Allowance, or Charge	X	AN 1/10	
		Code				
		• .	ed code identifying the service, promotic	on, a	llowance,	
		or charge				
		EXP	Expedited Service Charge			
		VT	Variable Term Contract Pricing Plan			
SAC15	352	Description		X	AN 1/80	
		A free-form description to clarify the related data elements and their content				
		VTA (LSR-80) = $V$	/ariable Term Agreement			

Segment: DTM Date/Time Reference

Position: 1500

Loop:

Level: Heading Usage: Optional Max Use: 10

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

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

If DTM04 is present, then DTM03 is required.

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

Semantic Notes: Comments:

Notes: DTM\*097\*D/TSENT{CCYYMMDD}(LSR-12)\*D/TSENT{HHMM}(LSR-12)

DTM\*150\*DDD{CCYYMMDD}(LSR-14) DTM\*992\*\*\*\*TM\*DFDT{HHMM}(LSR-19) DTM\*270\*DATED{CCYYMMDD}(LSR-36)

			Data Element S	Summary		
	Ref.	Data				
	Des.	<u>Element</u>	<u>Name</u>			
N#	Attributes	274	Date/Time Qualif	i.a.	8.4	ID 2/2
M	DTM01	374			M	ID 3/3
			. , , , ,	pe of date or time, or both date and time	те	
			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)			
			DDD (LSR-14) = D			
	DTMOS	227	` ,	Date of Agency Authorization	V	TM 4/0
	DTM03	337	Time		X	TM 4/8
				24-hour clock time as follows: HHMM		
				HHMMSSDD, where H = hours (00-23) r seconds (00-59) and DD = decimal s		
				re expressed as follows: D = tenths (0		
			hundredths (00-99)	•	٠, ٠	
			D/TSENT{HHMM}	(LSR-12) = Time Sent		
	DTM05	1250	<b>Date Time Period</b>	l 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 t		•
				on a twenty-four hour clock and MM i	s the	numerical
	DTMOC	4054	Data Tima Davis	expression of minutes within an hour	v	ANI 4/25
	DTM06	1251	Date Time Period		X	AN 1/35
			Expression of a datimes	te, a time, or range of dates, times or o	ates	and
				Desired Frame Due Time		
			2. 2. (20. (10) - L	z co ca		

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 Sl01 defines the source for each of the service characteristics

qualifiers.

Notes: SI\*TI\*RE\*REQTYP(LSR-23)

SI\*TI\*AA\*ACT(LSR-24) SI\*TI\*LS\*LSO(LSR-43) SI\*TI\*TY\*TOS(LSR-44) SI\*TI\*SS\*SPEC(LSR-45) SI\*TI\*NC\*NC(LSR-46) SI\*TI\*NI\*NCI(LSR-48) SI\*TI\*IW\*IWO(EU-36)

### **Data Element Summary**

		_	Data Lioinioni	Jannina, y		
	Ref.	Data				
	Des.	<u>Element</u>	<u>Name</u>			
	<b>Attributes</b>					
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	M	AN 2/2
			Code from an indu characteristics	stry code list qualifying the type of serv	rice	
			AA	Account Activity		
			IW	Inside Wire Options		
			LS	Local Serving Office		
			NC	Network Channel		
			NI	Network Channel Interface		
			RE	Requisition Type		
			SS	Service Sub-category		
			TY	Type of Service		
M	SI03	234	Product/Service	ID	M	AN 1/48

Identifying number for a product or service

ACT (LSR-24) = Activity

A=(DWS : N-New Installation)

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

C=(DWS : C-Change)

V=(DWS : V-Conv. As Specified) W=(DWS : W-Conversion As Is)

SD=(DWS: L-Seasonal Suspend (not valid in WA or OR))

RS=(DWS : B-Restore)

T=(DWS : T-Outside Move (T/F))

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

M=(DWS : M-Inside Move)

REQTYP (LSR-23) = Requisition Type and Status

LSO (LSR-43) = Local Service Office

TOS (LSR-44) = Type of Service

SPEC (LSR-45) = Service and Product Enhancement Code

NC (LSR-46) = Network Channel Code

NCI (LSR-48) = Network Channel Interface Code

IWO (EU-36) = Inside Wire Options

Segment: PID Product/Item Description

Position: 1900

Loop:

Comments:

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

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

used.

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

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

PID03.

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

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

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

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

# **Data Element Summary**

Ref.	Data				
Des.	<b>Element</b>	<u>Name</u>			
<b>Attributes</b>					
PID01	349	Item Description	Туре	M	ID 1/1
		Code indicating th	ne format of a description		
		S	Structured (From Industry Code List)		
PID03	559	<b>Agency Qualifie</b>	r Code	X	ID 2/2
		Code identifying t	he agency assigning the code values		
		Π	Telecommunications Industry		
PID04	751	<b>Product Descrip</b>	tion Code	X	AN 1/12
		A code from an in	dustry code list which provides specific	data	about a
		product character	ristic		
		AH	Coordinated Hot Cut		
		AO	Agency Authorization Status		
		BI	Final Bill Information Indicator		
		CONVIND	Conversion Indicator		
PID07	822	Source Subqua	ifier	0	AN 1/15
	Des. Attributes PID01 PID03 PID04	Des. Element Attributes PID01 349  PID03 559  PID04 751	Des. Attributes PID01 349 Item Description Code indicating the S PID03 559 Agency Qualified Code identifying the TI PID04 751 Product Descripe A code from an in product character AH AO BI CONVIND	Des.   Attributes   PID01   349   Item Description Type   Code indicating the format of a description   S   Structured (From Industry Code List)	Des. Attributes         PID01       349       Item Description Type       M         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       AH       Coordinated Hot Cut         AO       Agency Authorization Status       BI       Final Bill Information Indicator         CONVIND       Conversion Indicator

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

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	Data Lioinoite	ouninal y				
	Des.	<b>Element</b>	<u>Name</u>					
М	Attributes N901	128	Reference Identi	Reference Identification Qualifier				
			Code qualifying the	ode qualifying the Reference Identification				
			H7	Standard Clause				
	N902	127	Reference Identi	fication	X	AN 1/30		
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ORI Order Instructions					
	N903	369	Free-form Description		X	AN 1/45		
			Free-form descript	Free-form descriptive text				
			"LSR"	LSR"				
	N907	C040	Reference Identi	fier	0			
			specified by the Re		on nu	mbers as		
M	C04001	128	Reference Identi	fication Qualifier	M	ID 2/3		
			Code qualifying the	e Reference Identification				
			2W	Change Order Authority				
M	C04002	127	Reference Identi	fication	M	AN 1/30		
				tion as defined for a particular Transace eference Identification Qualifier	tion S	Set or as		
			MANUAL IND (LS	R-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\*EU\*\*\*\*2W>MANUAL IND(EU-63a)

	Ref.	Data			
	Des.	<u>Element</u>	<u>Name</u>		
М	Attributes N901	128	Reference Identification Qualifier	М	ID 2/3
•••	14301	120	Code qualifying the Reference Identification	141	10 2/3
			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 identificatio 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 (EU-63a) = Manual Indicator		

Segment: MTX Text

Position: 2900

Loop: N9 Optional

Level: Heading Usage: Optional Max Use: >1

Purpose: To specify textual data

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

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: 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\*RESALE\*\*\*\*2W>MANUAL IND(RE-60b)

	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		
			"RESALE"		
	N907	C040	Reference Identifier	0	
			To identify one or more reference numbers or identificatio 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	ion S	Set or as
			MANUAL IND (RE-60b) = 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(RE-60a)

**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 (RE-60a) = Remarks

Segment: N1 Name

Position: 3000

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\*78\*CCNA(LSR-1)

**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 78 Service Requester N102 93 Name AN 1/60

Free-form name

CCNA (LSR-1) = Customer Carrier Name Abbreviation

PER Administrative Communications Contact Segment:

Position: 3500

> Loop: N1 Optional

Level: Heading Optional Usage: 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. 1 **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) PER\*AL\*ALT IMPCON(LSR-94)\*TE\*TEL NO(LSR-95)\*BN\*PAGER(LSR-96)

**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 AG Agent Alternate Contact ALPerson to be contacted when the main contact is not available CN General Contact PER02 93 AN 1/60 Name Free-form name INIT (LSR-81) = Initiator Identification IMPCON (LSR-91) = Implementation Contact ALT IMPCON (LSR-94) = Alternate Implementation Contact **Communication Number Qualifier** PER03 365 Χ ID 2/2 Code identifying the type of communication number Telephone PER04

364 **Communication Number** Χ AN 1/256

Complete communications number including country or area code when

applicable

TEL NO (LSR-82) = Telephone Number TEL NO (LSR-92) = Telephone Number TEL NO (LSR-95) = Telephone Number

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

Code identifying the type of communication number

ΒN Beeper Number FX Facsimile

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

Complete communications number including country or area code when

		applicable		
		FAX NO (LSR-84) = Facsimile Number		
		PAGER (LSR-93) = Pager Number		
		PAGER (LSR-96) = Pager Number		
PER07	365	Communication Number Qualifier	X	ID 2/2
		Code identifying the type of communication number		
		EM Electronic Mail		
PER08	364	Communication Number	X	AN 1/256
		Complete communications number including country or a applicable	rea d	code when
		EMAIL (LSR-83) = Electronic Mail Address		

Segment: N1 Name

Position: 3000

Loop: N1 Optional

Level: Heading Usage: Optional

Max Use: 1

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

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

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 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\*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 Bill Name

Segment: N4 Geographic Location

Position: 3300

Loop: N1 Optional

Level: Heading Usage: Optional

Max Use: >1

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

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

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

N403 116 Postal Code O ID 3/15

Postal Code
O ID 3/15
Code defining international postal zone code excluding punctuation and

blanks (zip code for United States)

ZIP (EU-50) = ZIP/Postal Code

Segment: NX2 Location ID Component

Position: 3350

Loop: N1 Optional

Level: Heading Usage: Optional Max Use: >1

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

Syntax Notes: Semantic Notes:

Comments:

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>			
	<b>Attributes</b>					
M	NX201	1106	Address Compor	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	buil	ding
			40	Street Suffix		
			59	Street Number Low		
			61	Street Number Fraction		
			62	Street Name Suffix		
M	NX202	166	Address Informat	tion	М	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: 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 Fromat 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.	<b>Element</b>	<u>Name</u>				
	<b>Attributes</b>						
	POC01	350	Assigned Identification	0	AN 1/20		
			Alphanumeric characters assigned for differentiation with set	in a t	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 correspondance the original purchase order with the vinthe Purchase Order Change Trans	ne 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_SA"				

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\*OP\*WSOP(EU-31)\*TN\*WSOP TEL NO(EU-31a)

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	Name		
M	SI01	559	Agency Qualifier Code	M	ID 2/2
			Code identifying the agency assigning the code values  TI Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2
			Code from an industry code list qualifying the type of service on Premises  OP Working Service on Premises	ice	
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service WSOP (EU-31) = Working Service on Premises		
	SI04	1000	Service Characteristics Qualifier	Χ	AN 2/2
			Code from an industry code list qualifying the type of service characteristics  TN Telephone Number	ice	
	SI05	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
			WSOP TEL NO (EU-31a) = Working Service on Premises Number	Tel	ephone

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\*S\*\*TI\*ANV\*\*\*SO-RSQ\*ANV(EU-8a)

			Data Licinciit	ourimur y		
	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>			
M	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 the agency assigning the code values			
			TI	Telecommunications Industry		
	PID04	751	<b>Product Descript</b>	ion Code	X	AN 1/12
			A code from an industry code list which provides specific product characteristic  ANV  Address Not Valid Indicator			about a
	PID07	822	Source Subquali	Source Subqualifier		AN 1/15
			A reference that indicates the table or text maintained by the Source Qualifier		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			

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

	Ref. <u>Des.</u> Attributes	Data Element	<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 Transaction Set or as specified by the Reference Identification Qualifier				
	REF03	352	LOCNUM (EU-7) = Location Number  Description	Χ	AN 1/80		
			A free-form description to clarify the related data elements content "LOCNUM"				

Segment: **N9** Reference Identification

Position: 3200

Loop: N9 Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To transmit identifying information as specified by the Reference

Identification Qualifier

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

2 If N906 is present, then N905 is required.

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

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

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

Comments:

Notes: N9\*L1\*ACC\*EU

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

Segment: MTX Text

Position: 3260

Loop: N9 Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify textual data

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

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\*\*ACC(EU-30)

**Data Element Summary** 

Ref. Data

Des. Element Name

**Attributes** 

MTX02 1551 Message Text X AN 1/4096

To transmit large volumes of message text

ACC (EU-30) = Access Information

Segment: N1 Name

Position: 3400

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use:

**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: 3700

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use: 1

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

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

3 If N407 is present, then N404 is required.

**Semantic Notes:** 

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

be adequate to specify a location.

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

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

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	Χ	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 M ID 2/2

Code qualifying the type of address component

LD1(EU-17) = Location Designator 1 13=(DWS : APT)

34=(DWS: LOT) 35=(DWS: RM) 36=(DWS: SLIP) 37=(DWS: UNIT) 14=(DWS: SUIT)

LD2(EU-19) = Location Designator 2

32=(DWS: FLR)

LD3(EU-21) = Location Designator 3

12=(DWS : BLDG) 63=(DWS: WNG) 30=(DWS: PIER)

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

07 City Name

12 Building Name 13 Apartment Number 14 Suite Number 30 Pier The pier at which a ship or boat is docked 32 Floor A particular floor or level of a building 34 Lot A particular lot or piece of land 35 Room A walled room or partitioned area of a building 36 Slip The slip or location on a pier at which a ship or boat is docked 37 Unit A unit or separate structure
Suite Number  Pier The pier at which a ship or boat is docked  Floor A particular floor or level of a building  Lot A particular lot or piece of land  Room A walled room or partitioned area of a building  Slip The slip or location on a pier at which a ship or boat is docked  Unit
The pier at which a ship or boat is docked  Floor A particular floor or level of a building  Lot A particular lot or piece of land  Room A walled room or partitioned area of a building  Slip The slip or location on a pier at which a ship or boat is docked  Unit
The pier at which a ship or boat is docked  Floor A particular floor or level of a building  Lot A particular lot or piece of land  Room A walled room or partitioned area of a building  Slip The slip or location on a pier at which a ship or boat is docked  Unit
Floor A particular floor or level of a building  Lot A particular lot or piece of land  Room A walled room or partitioned area of a building  Slip The slip or location on a pier at which a ship or boat is docked  Unit
A particular floor or level of a building  Lot A particular lot or piece of land  Room A walled room or partitioned area of a building  Slip The slip or location on a pier at which a ship or boat is docked  Unit
Lot A particular lot or piece of land  Room A walled room or partitioned area of a building  Slip The slip or location on a pier at which a ship or boat is docked  Unit
Room A walled room or partitioned area of a building  Slip The slip or location on a pier at which a ship or boat is docked  Unit
Room A walled room or partitioned area of a building  Slip The slip or location on a pier at which a ship or boat is docked  Unit
A walled room or partitioned area of a building  Slip  The slip or location on a pier at which a ship or boat is docked  37  Unit
36 Slip  The slip or location on a pier at which a ship or boat is docked  37 Unit
The slip or location on a pier at which a ship or boat is docked  37 Unit
A unit or separate structure
· ·
39 Unstructured Property
40 Street Suffix
59 Street Number Low
61 Street Number Fraction
62 Street Name Suffix
63 Secondary Unit Identifier
M NX202 166 Address Information M AN 1/55
Address information
SANO (EU-11) = Service Address Number
SASN (EU-14) = Service Address Street Name
SASD (EU-13) = Service Address Street Directional Prefix
BOX (EU-23c) = Box Number ROUTE (EU-23b) = Route
CITY (EU-24) = City
AHN (EU-23a) = Assigned House Number
SASS (EU-16) = Service Address Street Directional Suffix
SAPR (EU-10) = Service Address Number Prefix
SASF (EU-12) = Service Address Number Suffix

SATH (EU-15) = Service Address Street Type

LV1 (EU-18) = Location Value 1 LV2 (EU-20) = Location Value 2 LV3 (EU-22) = Location Value 3 Segment: PER Administrative Communications Contact

Position: 3900

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use: 3

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

should be directed

**Syntax Notes:** 1 If either PER03 or PER04 is present, then the other is required.

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:

Motos

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

			Data Elomont Gammary		
	Ref. <u>Des.</u>	Data <u>Element</u>	<u>Name</u>		
	<u>Attributes</u>				
M	PER01	366	Contact Function Code	M	ID 2/2
			Code identifying the major duty or responsibility of the penamed	∍rson	or group
			CA Customer Contact Granting Appoint	nent	
	PER02	93	Name	0	AN 1/60
			Free-form name		
			LCON (EU-27) = Local Contact		
	PER03	365	Communication Number Qualifier	Χ	ID 2/2
			Code identifying the type of communication number		
			TE Telephone		
	PER04	364	Communication Number	X	AN 1/256
			Complete communications number including country or applicable	area (	code when
			TEL NO (EU-28) = Telephone Number		

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. <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 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-9) = Address Format Type		

POC Line Item Change - End User Form (Disconnect Segment:

Information Section)

Position: 0100

POC Loop: Optional

Level: Detail Usage: Optional

Max Use:

Purpose: To specify changes to a line item

**Syntax Notes:** If POC03 is present, then both POC04 and POC05 are required.

If POC07 is present, then POC06 is required.

If either POC08 or POC09 is present, then the other is required. 3 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. 10 If either POC22 or POC23 is present, then the other is required.

11 If either POC24 or POC25 is present, then the other is required.

12 If either POC26 or POC27 is present, then the other is required.

POC01 is the purchase order line item identification.

**Semantic Notes:** Comments: Notes:

POC\*n\*RZ\*\*\*\*\*\*ZZ\*EU DISC [POC Loop may repeat]

	Ref.	Data				
	<u>Des.</u> Attributes	Element	<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	М	ID 2/2	
			Code specifying the type of change to the line item			
			RZ Replace All Values			
	Receiver should replace the correst the original purchase order with the purchase Order Change Tra			he values contained		
	POC08 235 Product/Service ID Qualifier		X	ID 2/2		
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)  ZZ Mutually Defined			
	POC09	234	Product/Service ID	X	AN 1/48	
			Identifying number for a product or service			
			"EU_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 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.	Data				
	Des.	<u>Element</u>	<u>Name</u>			
	<u>Attributes</u>					
М	SI01	559	Agency Qualifie	r Code	M	ID 2/2
			Code identifying t	he agency assigning the code values		
			П	Telecommunications Industry		
M	SI02	1000	Service Charact	eristics Qualifier	M	AN 2/2
			Code from an ind characteristics	ustry code list qualifying the type of serv	rice	
			ND	Disconnect Number		
			T6	Transfer of Calls Options		
M	SI03	234	Product/Service	: ID	M	AN 1/48
			Identifying number	r for a product or service		
				5) = Disconnect Telephone Number = Transfer of Call Options		

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\*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 Transa specified by the Reference Identification Qualifier DNUM (EU-54) = Disconnect Line Number	ction S	Set or as
	REF03	352	<b>Description</b> A free-form description to clarify the related data element content "DNUM"	X nts and	AN 1/80 d 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 DT 8/8

Date expressed as CCYYMMDD

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

Segment: SLN Subline Item Detail

Position: 4600

Loop: SLN Optional

Level: Detail Usage: Optional

Max Use: 1

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

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

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

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.

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	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 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	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 Figu 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

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 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 service characteristics	rice	
			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 Numbe	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(EU-58b)

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

Segment: REF Reference Identification

Position: 5700

**Loop:** N1 Optional

Level: Detail
Usage: Optional
Max Use: 12

**Purpose:** To specify identifying information

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

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

			Data Element Guilliai y		
	Ref.	Data			
	Des.	<u>Element</u>	<u>Name</u>		
	Attributes	400	B. C. C. C. Libert Control of Control		ID 0/0
М	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 Transa specified by the Reference Identification Qualifier	ction S	Set or as
			TCID (EU-58a) = Transfer of Calls to Identifier		
	REF03	352	Description	X	AN 1/80
			A free-form description to clarify the related data elemer content	its and	d their
			"PRI"		

Segment: SLN Subline Item Detail

Position: 4600

Loop: SLN Optional

Level: Detail Usage: Optional

Max Use: 1

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

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

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

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.

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 with 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	X	R 1/15		

			Numeric value	e of quantity		
			1	Always One		
	SLN05	C001	Composite U	nit of Measure	X	
	C004.04	255	examples of u	,		
M	C00101	355		for Measurement Code	М	ID 2/2
				ng the units in which a value is bein ich a measurement has been taken Each	• .	, 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 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	М	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	•

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

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

transaction processing party.

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

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

**Data Element Summary** 

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 (EU-61) = Transfer of Calls to Name

Segment: REF Reference Identification

Position: 5700

**Loop:** N1 Optional

Level: Detail
Usage: Optional
Max Use: 12

**Purpose:** To specify identifying information

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

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>		
	<b>Attributes</b>				
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 Tran specified by the Reference Identification Qualifier	saction 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 elem- content	nents and	d their
			"SEC"		

Segment: POC Line Item Change - Resale 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.

11 If either POC24 or POC25 is present, then the other is required.
12 If either POC26 or POC27 is present, then the other is required.

Semantic Notes: Comments:

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

**Notes:** POC\*n\*RZ\*\*\*\*\*\*ZZ\*RE [POC Loop repeats RSQTY (RE-5) times]

			Data Element Gammary		
	Ref.	Data			
	Des.	<b>Element</b>	Name		
	Attributes				
	POC01	350	Assigned Identification	0	AN 1/20
			Alphanumeric characters assigned for differentiation within set	า a tr	ansaction
			"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 correspor the original purchase order with the va in the Purchase Order Change Transa	lues	contained
	POC08	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
	POC09	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
			"RE"		

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\*SA\*LNA(RE-12)

SI\*TI\*TN\*TNS(RE-15) SI\*TI\*OT\*OTN(RE-19) SI\*TI\*TQ\*PTLI(RE-23) SI\*TI\*TD\*PTKCON(RE-24) SI\*TI\*CN\*ECCKT(RE-28) SI\*TI\*T6\*TC OPT(RE-35) SI\*TI\*TS\*SGNL(RE-50) SI\*TI\*SY\*SSIG(RE-51) SI\*TI\*PE\*PULSE(RE-52)

	Ref. <u>Des.</u> Attributes	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		
			П	Telecommunications Industry		
M	SI02	1000	Service Characte	eristics Qualifier	M	AN 2/2
			Code from an inducharacteristics	ustry code list qualifying the type of serv	/ice	
			CN	Circuit Number Identification		
			OT	Out Telephone Number		
			PE	Pulse Type		
			SA	Service Activity		
			SY	Start Signaling		
			T6	Transfer of Calls Options		
			TD	Transmission Duplex		
			TN	Telephone Number		
			TQ	Telephone Line Identifier		
			TS	Type of Signaling		
M	SI03	234	Product/Service	ID	M	AN 1/48

## Identifying number for a product or service

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

V=(DWS: V-Conversion of Service As Specified)

P=(DWS : P-PIC Change)
L=(DWS : L-Seasonal Suspend)
W=(DWS : W-Conversion As Is)

TNS (RE-15) = Telephone Numbers
OTN (RE-19) = Out Telephone Number
PTLI (RE-23) = PBX Lead Telephone Line
PTKCON (RE-24) = PBX Trunk Configuration
ECCKT (RE-28) = Exchange Company Circuit ID
TC OPT (RE-35) = Transfer of Call Options

SGNL (RE-50) = Signaling SSIG (RE-51) = Start Signaling PULSE (RE-52) = Type of Pulsing

PID Product/Item Description Segment:

Position: 0500

PID Loop: Optional

Level: Detail Optional Usage:

Max Use:

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. If PID07 is present, then PID03 is required. 3 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.

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

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\*AG\*\*\*SO-RSQ\*NIDR(RE-47) Notes:

			Data Licinoit	Sammar y		
	Ref. <u>Des.</u>	Data <u>Element</u>	<u>Name</u>			
	<u>Attributes</u>					
M	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		data	about a
			AG	Network Interface Device Request		
	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		
			NIDR (RE-47) = NI	D Request		

Segment: REF Reference Identification

Position: 1000

Loop: POC Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To specify identifying information

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

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:

Notes: REF\*IX\*LNUM(RE-9)\*LNUM

REF\*GP\*TSP(RE-25) REF\*AE\*SAN(RE-26)

**Data Element Summary** 

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

LNUM (RE-9) = Line Number

TSP (RE-25) = Telecommunications Service Priority SAN (RE-26) = Subscriber Authorization Number

REF03 352 Description X AN 1/80

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

content

"LNUM"

Segment: DTM Date/Time Reference

Position: 2000

Loop: POC Optional

Level: Detail
Usage: Optional
Max Use: 10

Purpose: To specify pertinent dates and times

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

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}(RE-40)

**Data Element Summary** 

Ref. Data

<u>. Element Name</u>

<u>Des.</u> <u>E</u> Attributes

M DTM01 374 Date/Time Qualifier

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

376 Delivery End

The date that deliveries will end

DTM02 373 Date

X DT 8/8

ID 3/3

M

Date expressed as CCYYMMDD

TC PER (RE-40) = Transfer of Calls Period

Segment: N1 Name

Position: 3400

Loop: N1 Optional

Level: Detail
Usage: Optional

Max Use: 1

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

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

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(RE-30)

			Data Element 3	bummary		
	Ref. Des.	Data Element	Name	·		
	<b>Attributes</b>					
M	N101	98	<b>Entity Identifier C</b>	ode	М	ID 2/3
			Code identifying ar an individual	n organizational entity, a physical locat	ion, p	property or
			P9	Primary Interexchange Carrier (PIC)		
				Identifies the carrier who will handle the interexchange calls	ne	
	N103	66	Identification Cod	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 (RE-30) = Inter	LATA Pre-subscription Indicator Code	ļ	

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(RE-31)

			Data Liement Guilliary		
	Ref.	Data			
	<u>Des.</u>	<u>Element</u>	<u>Name</u>		
	<u>Attributes</u>				
M	N101	98	Entity Identifier Code	M	ID 2/3
			Code identifying an organizational entity, a physical local an individual	ion,	property or
			8V Primary Intra-LATA (Local Access Tra	ansp	ort Area)
	11400		Carrier	.,	ID 4/0
	N103	66	Identification Code Qualifier	X	ID 1/2
			Code designating the system/method of code structure uldentification Code (67)	sed f	or
			41 Telecommunications Carrier Identifica	ation	Code
			Identifies the Interexchange carrier fo being billed	r the	charges
	N104	67	Identification Code	X	AN 2/80
			Code identifying a party or other code		
			LPIC (RE-31) = IntraLATA Pre-subscription Indicator Cod	е	

Segment: SLN Subline Item Detail

Position: 4600

Loop: SLN Optional

Level: Detail Usage: Optional

Max Use: 1

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

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

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

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.

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\*TCPRI\*n\*A\*1\*EA

	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		
			"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	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 Figure examples of use)	s Append	dix for	
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: 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(RE-38)

	Ref.	Data			
	Des.	<b>Element</b>	<u>Name</u>		
	<u>Attributes</u>				
М	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	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 (RE-38) = 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(RE-38b)

**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 TT Transfer To N102 93 Name AN 1/60

Free-form name

TC NAME (RE-38b) = Transfer of Calls to Name

Segment: REF Reference Identification

Position: 5700

**Loop:** N1 Optional

Level: Detail
Usage: Optional
Max Use: 12

**Purpose:** To specify identifying information

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

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(RE-38a)\*PRI

	Def	Data	Data Element Gammary		
	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>		
М	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 Tra specified by the Reference Identification Qualifier	nsaction S	Set or as
			TCID (RE-38a) = Transfer of Calls to Identifier		
	REF03	352	Description	Χ	AN 1/80
			A free-form description to clarify the related data ele content "PRI"	ments and	d their

Segment: SLN Subline Item Detail

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.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. <u>Des.</u> Attributes	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		
			"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	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 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 a manner in which a measurement has been taken EA Each	expressed, or	

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\*TC\*TC TO SEC(RE-39)

	Ref.	Data			
	Des.	<b>Element</b>	<u>Name</u>		
	<u>Attributes</u>				
М	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	rice	
			TC Transfer Announcement Number		
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
			TC TO SEC (RE-39) = Transfer of Calls To Secondary Nu	mbe	r

Segment: N1 Name

Position: 5360

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use: 1

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

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

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(RE-42)

**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 (RE-42) = Transfer of Calls to Name

Segment: REF Reference Identification

Position: 5700

**Loop:** N1 Optional

Level: Detail
Usage: Optional
Max Use: 12

**Purpose:** To specify identifying information

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

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(RE-41)\*SEC

			Data Element Gammary				
	Ref.	Data					
	Des.	<b>Element</b>	<u>Name</u>				
	<b>Attributes</b>						
M	REF01	128	Reference Identification Qualifier	M	ID 2/3		
			Code qualifying the Reference Identification				
			55 Sequence Number				
	REF02	127	Reference Identification	X	AN 1/30		
			Reference information as defined for a particular Transaction Set of specified by the Reference Identification Qualifier				
			TCID (RE-41) = Transfer of Calls to Identifier				
	REF03	352	Description	Х	AN 1/80		
			A free-form description to clarify the related data eler content	nents and	d their		
			"SEC"				

Segment: SLN Subline Item Detail

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\*IW\*n\*A\*IWJQ(RE-49)\*EA\*\*\*\*EQ\*IWJK(RE-48) [SLN Loop may repeat per

Inside Wiring pair]

	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				
			"IW"				
	SLN02	350	Assigned Identification	0	AN 1/20		
			Alphanumeric characters assigned for differentiation with set	iin 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		
			IWJQ (RE-49) = Inside Wire Jack Quantity		
	SLN05	C001	Composite Unit of Measure	Χ	
			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	oressed	, or
	SLN09	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive num Product/Service ID (234) EQ Equipment Type	nber us	ed in
	SLN10	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
			IWJK (RE-48) = Inside Wire Jack Code		

Segment: SLN Subline Item Detail

Position: 4600

Loop: SLN Optional

Level: Detail Usage: Optional

Max Use: 1

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

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

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

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

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.	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			
			"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	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 2) Examples of use)  Unit or Basis for Measurement Code	ures Appendix for  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

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.

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\*BB\*BA(RE-54)\*TB\*BLOCK(RE-55)

	Ref.	Data	•		
	Des.	<b>Element</b>	<u>Name</u>		
	<u>Attributes</u>				
М	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	
			BB Blocking Activity		
М	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
			BA (RE-54) = Blocking Activity		
	SI04	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of service characteristics	ice	
			TB Blocking/Billing Exception		
	SI05	SI05 234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
			BLOCK (RE-55) = Block		

**SLN** Subline Item Detail Segment:

Position: 4600

> Loop: SLN Optional

Level: Detail Optional Usage:

Max Use:

Purpose: To specify product subline detail item data

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

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

4 If either SLN09 or SLN10 is present, then the other is required. 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. **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:** SLN01 is the identifying number for the subline item.

> 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.

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.

> 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.

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.

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

	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		
			"FA"		
	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	
М	C00101	355	Unit or Basis for Measurement Code	M	ID 2/2
			Code specifying the units in which a value is being ex manner in which a measurement has been taken EA Each	pressed	l, or

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(RE-58)\*SC\*FEATURE(RE-59)

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

	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	Service Characte	ristics Qualifier	М	AN 2/2
			Code from an indu characteristics FD	stry code list qualifying the type of serv  Feature Data	ice	
			SA	Service Activity		
М	SI03	234	Product/Service	•	М	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 (old values)) sconnect) onversion As Specified) hange (new values))  (RE-60) = Feature Detail		
	SI04	1000	Service Characte		X	AN 2/2
			characteristics SC	stry code list qualifying the type of serv Service Category	ice	
	SI05	234	Product/Service		X	AN 1/48
				for a product or service		
			FEATURE (RE-59)	= Feature Codes		

Segment: POC Line Item Change - Regular Hunting

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 POC22 or POC23 is present, then the other is required.
12 If either POC26 or POC27 is present, then the other is required.
12 If either POC26 or POC27 is present, then the other is required.

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

Comments:

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

		_	Data Liement Gammary		
	Ref.	Data			
	Des.	<b>Element</b>	<u>Name</u>		
	Attributes				
	POC01	350	Assigned Identification	0	AN 1/20
			Alphanumeric characters assigned for differentiation with set	n a tı	ransaction
			"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 correspo the original purchase order with the va in the Purchase Order Change Transa	alues	contained
	POC08	235	Product/Service ID Qualifier	Χ	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		
			"HG"		

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\*SA\*HA(LSR-112)

SI\*TI\*SG\*HID(LSR-113) SI\*TI\*SF\*HNTYP(LSR-116)

### **Data Element Summary**

	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>			
	<b>Attributes</b>					
M	SI01	559	Agency Qualifie	er Code	М	ID 2/2
			Code identifying	the agency assigning the code values		
			TI	Telecommunications Industry		
M	SI02	1000	Service Charac	teristics Qualifier	M	AN 2/2
			Code from an incoharacteristics	dustry code list qualifying the type of serv	/ice	
			SA	Service Activity		
			SF	Service Feature/Option		
			SG	Service Group		
M	SI03	234	Product/Service	e ID	M	AN 1/48

Identifying number for a product or service

HA (LSR-112) = Hunt Group Activity

A = (DWS: N-New) C = (DWS: C-Change) D = (DWS: D-Remove)

V = (DWS: V-Conversion As Specified)

HNTYP (LSR-116) = Hunting Type Code HTY003 = (DWS: 5-Regular/Series) HTY004 = (DWS: 4-Multi-Line)

HID (LSR-113) = Hunt Group Identifier

Segment: REF Reference Identification

Position: 1000

Loop: POC Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To specify identifying information

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

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\*HNUM(LSR-110)\*HNUM

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>		
М	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification	M	ID 2/3
			IX Item Number		
	REF02	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transact specified by the Reference Identification Qualifier HNUM (LSR-110) = Hunt Number	ion S	Set or as
	REF03	352	Description A free-form description to clarify the related data elements content "HNUM"	<b>X</b> s and	AN 1/80 I their

Segment: SLN Subline Item Detail

Position: 4600

Loop: SLN Optional

Level: Detail Usage: Optional

Max Use: 1

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

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

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

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\*HNT\*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			
			"HNT"			
	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	Χ
			To identify a composite unit of measure (See Figur 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

Segment: N9 Reference Identification

Position: 5230

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\*55\*HTSEQ

**Data Element Summary** 

Ref. Data Element Name Des. **Attributes** М **Reference Identification Qualifier** ID 2/3 N901 128 М Code qualifying the Reference Identification 55 Sequence Number N902 127 **Reference Identification** Χ AN 1/30

Reference information as defined for a particular Transaction Set or as

specified by the Reference Identification Qualifier

"HTSEQ"

Segment: MTX Text

Position: 5250

Loop: N9 Optional

Level: Detail
Usage: Optional

Max Use: >1

Purpose: To specify textual data

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

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

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

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

then MTX05 is required.

Notes: MTX\*\*HTSEQ(LSR-118)

**Data Element Summary** 

Ref. Data

Des. Element Name

**Attributes** 

MTX02 1551 Message Text X AN 1/4096

To transmit large volumes of message text

HTSEQ (LSR-118) = Hunting Sequence

POC Line Item Change - Multi-Line Hunting Segment:

Position: 0100

> POC Loop: Optional

Level: Detail Usage: Optional

Max Use:

Purpose: To specify changes to a line item

**Syntax Notes:** If POC03 is present, then both POC04 and POC05 are required. 1

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. **10** If either POC22 or POC23 is present, then the other is required.

11 If either POC24 or POC25 is present, then the other is required. 12 If either POC26 or POC27 is present, then the other is required.

**Semantic Notes:** Comments:

Notes:

POC01 is the purchase order line item identification. POC\*n\*RZ\*\*\*\*\*\*ZZ\*ML [POC Loop may repeat]

	Ref.	Data			
	<u>Des.</u> Attributes	<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	М	ID 2/2
			Code specifying the type of change to the line item		
			RZ Replace All Values		
			Receiver should replace the correspond 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		
			"ML"		

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. If either SI08 or SI09 is present, then the other is required. 3 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\*HA(LSR-112)

> SI\*TI\*SG\*HID(LSR-113) SI\*TI\*SF\*HNTYP(LSR-116) SI\*TI\*TQ\*TLI(LSR-115)

## **Data Element Summary**

	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	ne agency assigning the code values		
			TI	Telecommunications Industry		
M	SI02	1000	Service Characte	eristics Qualifier	M	AN 2/2
			Code from an inducharacteristics	ustry code list qualifying the type of serv	ice	
			SA	Service Activity		
			SF	Service Feature/Option		
			SG	Service Group		
			TQ	Telephone Line Identifier		
M	SI03	234	Product/Service	ID	M	AN 1/48
			Identifying number	for a product or convice		

Identifying number for a product or service

HA (LSR-112) = Hunt Group Activity

A = (DWS: N-New) C = (DWS: C-Change) D = (DWS: D-Remove)

V = (DWS: V-Conversion As Specified)

HNTYP (LSR-116) = Hunting Type Code HTY003 = (DWS: 5-Regular/Series) HTY004 = (DWS: 4-Multi-Line)

HID (LSR-113) = Hunt Group Identifier TLI (LSR-115) = Telephone Line Identifier Segment: REF Reference Identification

Position: 1000

Loop: POC Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To specify identifying information

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

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\*HNUM(LSR-110)\*HNUM

			Data Liement Gammary		
	Ref.	Data			
	Des.	<b>Element</b>	<u>Name</u>		
	<u>Attributes</u>				
М	REF01	128	Reference Identification Qualifier	М	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	tion S	Set or as
			HNUM (LSR-110) = Hunt Number		
	REF03	352	Description	Х	AN 1/80
			A free-form description to clarify the related data elemen content	ts and	d their
			"HNUM"		

Segment: SLN Subline Item Detail

Position: 4600

Loop: SLN Optional

Level: Detail Usage: Optional

Max Use: 1

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

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

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

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.

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\*MHNT\*n\*A\*1\*EA

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>		
M	SLN01	350	Assigned Identification	М	AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set		
			"MHNT"		
	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	X	R 1/15

			Numeric valu	ue of quantity		
			1	Always One		
	SLN05	C001	Composite	Unit of Measure	X	
м	C00101	255	examples of	,		
IVI	COUTOT	355		is for Measurement Code	M	ID 2/2
				ying the units in which a value is bei hich a measurement has been taker Each		, or

Segment: N9 Reference Identification

Position: 5230

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:

N902

Notes: N9\*55\*HTSEQ

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**Data Element Summary** 

Ref. Data

Des. Element Name

Attributes

M N901 128 Reference Identification Qualifier M ID 2/3

Code qualifying the Reference Identification

55 Sequence Number

Reference Identification X AN 1/30

Reference information as defined for a particular Transaction Set or as

specified by the Reference Identification Qualifier

"HTSEQ"

MTX Text Segment:

Position: 5250

> 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\*\*HTSEQ(LSR-118) 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

HTSEQ (LSR-118) = Hunting Sequence

POC Line Item Change - DL Form (Delivery Segment:

Address/Information Section)

Position: 0100

POC Loop: Optional

Level: Detail Usage: Optional

Max Use:

Purpose: To specify changes to a line item

**Syntax Notes:** If POC03 is present, then both POC04 and POC05 are required.

If POC07 is present, then POC06 is required.

If either POC08 or POC09 is present, then the other is required. 3 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. 10 If either POC22 or POC23 is present, then the other is required.

11 If either POC24 or POC25 is present, then the other is required.

12 If either POC26 or POC27 is present, then the other is required.

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

**Semantic Notes:** Comments:

Notes:

POC01 is the purchase order line item identification.

	Ref.	Data			
	Des.	<b>Element</b>	<u>Name</u>		
	<u>Attributes</u>				
	POC01	350	Assigned Identification	0	AN 1/20
			Alphanumeric characters assigned for differentiation wiset	thin a t	ransaction
			"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 in the Purchase Order Change Train	values	contained
	POC08	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive num Product/Service ID (234) ZZ Mutually Defined	ber use	ed 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	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:

**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>	Data <u>Element</u>	<u>Name</u>			
М	Attributes 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 Delivery			
	QTY03	C001	Composite Unit of Measure	0		
			To identify a composite unit of measure (See Figures Appendix for examples of use)			
M	C00101	355	Unit or Basis for Measurement Code	M	ID 2/2	
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken  DY Directory Books			

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						
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 on New Connect				
	QTY03	C001	Composite Unit of Measure	0			
	To identify a composite unit of measure (See Figures Appendix examples of use)				ix for		
M	C00101	355	Unit or Basis for Measurement Code	M	ID 2/2		
			Code enceitying the units in which a value is being	ovnroccod	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: 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\*DA\*DELNAME

**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 DA **Delivery Address** N102 93 Name AN 1/60

Free-form name

"DELNAME"

Segment: N4 Geographic Location

Position: 3700

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use: 1

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

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

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 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** 0

Code defining international postal zone code excluding punctuation and

blanks (zip code for United States)

ZIP (DL-100) = ZIP/Postal Code

Segment: NX2 Location ID Component

Position: 3750

Loop: N1 Optional

Level: Detail
Usage: Optional
Max Use: >1

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

Syntax Notes: Semantic Notes: Comments:

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**

	<u>Des.</u> Attributes	Element	<u>Name</u>			
М	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	<b>Unstructured Mailing Address</b>		
			40	Street Suffix		
			59	Street Number Low		
			61	Street Number Fraction		
			62	Street Name Suffix		
M	NX202	166	Address In	formation	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.

10 If either POC22 or POC23 is present, then the other is required.
11 If either POC24 or POC25 is present, then the other is required.
12 If either POC26 or POC27 is present, then the other is required.

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		<b>,</b>		
	<u>Des.</u> Attributes	Element	<u>Name</u>			
	POC01	350	<b>Assigned Identif</b>	ication	0	AN 1/20
			Alphanumeric cha set	racters assigned for differentiation within	n a t	ransaction
			"n" = nth assigned	d ID within POC loop		
M	POC02	670	Change or Respondent	onse Type Code	М	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 valin the Purchase Order Change Transa	lues	contained
	POC08	235	Product/Service		X	ID 2/2
			Code identifying the Product/Service ID ZZ	ne type/source of the descriptive numbe 0 (234) Mutually Defined	r use	ed in
	POC09	234	Product/Service	ID	X	AN 1/48
			Identifying number	r for a product or service		
			"DL"			
	POC10	235	Product/Service	ID Qualifier	Χ	ID 2/2
			Code identifying the Product/Service ID	he type/source of the descriptive numbe 0 (234)	r use	ed in
			SH	Service Requested		
				A numeric or alphanumeric code from services available to the customer	a lis	t of
	POC11	234	Product/Service	ID	X	AN 1/48

# Identifying number for a product or service

RTY (DL-12) = Record Type

	Segment:	SI se	rvice Characteristic	Identification		
	Position:	0180				
	Loop: Level:	POC Detail	Optional			
	Usage:	Optional				
	Max Use:	>1				
	Purpose:		y service characteristi			
	Syntax Notes:			esent, then the other is required. esent, then the other is required.		
				esent, then the other is required.		
		4 If eit	ner SI10 or SI11 is pre	sent, then the other is required.		
				sent, then the other is required.		
				esent, then the other is required. esent, then the other is required.		
				esent, then the other is required.		
		9 If eit	ner SI20 or SI21 is pre	sent, then the other is required.		
	Semantic Notes: Comments:	<b>1</b> SI01	defines the source for	r each of the service characteristics		
	Comments.		fiers.	each of the service characteristics		
	Notes:	SI*TI*LB	LACT(DL-10)			
			LTY(DL-13)			
			*STYC(DL-15) *TOA(DL-16)			
			*DOI(DL-17)			
		SI*TI*DN	*DIRNAME(DL-34)			
			*BRO(DL-28)	<b>-</b>		
	Dof		Data Element Summ	ary		
	Kel.	Data				
	Ref. <u>Des.</u>	Data Element	<u>Name</u>			
	<u>Des.</u> <u>Attributes</u>	Element				
M	Des.		Agency Qualifier Co		M	ID 2/2
М	<u>Des.</u> <u>Attributes</u>	Element	Agency Qualifier Co Code identifying the a	agency assigning the code values	M	ID 2/2
	<u>Des.</u> <u>Attributes</u> SI01	Element 559	Agency Qualifier Co Code identifying the a TI	agency assigning the code values elecommunications Industry		
M M	<u>Des.</u> <u>Attributes</u>	Element	Agency Qualifier Co Code identifying the a TI To Service Characteris	agency assigning the code values elecommunications Industry stics Qualifier	M	ID 2/2 AN 2/2
	<u>Des.</u> <u>Attributes</u> SI01	Element 559	Agency Qualifier Co Code identifying the a TI To Service Characteris	agency assigning the code values elecommunications Industry	M	
	<u>Des.</u> <u>Attributes</u> SI01	Element 559	Agency Qualifier Co Code identifying the a TI To Service Characteris Code from an industry characteristics	agency assigning the code values elecommunications Industry stics Qualifier	<b>M</b> ce	
	<u>Des.</u> <u>Attributes</u> SI01	Element 559	Agency Qualifier Co Code identifying the a TI To Service Characterist Code from an industry characteristics BO Bo	agency assigning the code values elecommunications Industry stics Qualifier y code list qualifying the type of serving	<b>M</b> ce	
	<u>Des.</u> <u>Attributes</u> SI01	Element 559	Agency Qualifier Co Code identifying the a TI To Service Characteris Code from an industry characteristics BO B	agency assigning the code values elecommunications Industry stics Qualifier by code list qualifying the type of servious servious servious research of the code list qualifying the type of servious in essential code is a servious research of the code is a servious research of the code values of the code values and the code values and the code values and the code values are code values are code values and the code values are code va	<b>M</b> ce	
	<u>Des.</u> <u>Attributes</u> SI01	Element 559	Agency Qualifier Co Code identifying the a TI To Service Characterist Code from an industry characteristics BO Bo BR D DG DO DN D	agency assigning the code values elecommunications Industry stics Qualifier by code list qualifying the type of servicusiness/Residence Placement Overrifictory Listings Type of Account egree of Indent irectory Book Name	<b>M</b> ce	
	<u>Des.</u> <u>Attributes</u> SI01	Element 559	Agency Qualifier Co Code identifying the a TI Te Service Characteris Code from an industry characteristics BO Br BR D DG DO DN D LB Li	agency assigning the code values elecommunications Industry stics Qualifier by code list qualifying the type of servicusiness/Residence Placement Overrifictory Listings Type of Account egree of Indent irectory Book Name sisting Activity Indicator	<b>M</b> ce	
	<u>Des.</u> <u>Attributes</u> SI01	Element 559	Agency Qualifier Co Code identifying the a TI To Service Characteris Code from an industry characteristics BO Br BR D DG DO DN D LB Li LE Li	agency assigning the code values elecommunications Industry stics Qualifier by code list qualifying the type of service usiness/Residence Placement Overrificatory Listings Type of Account egree of Indent irectory Book Name sting Activity Indicator isting Type	<b>M</b> ce	
M	<u>Des.</u> <u>Attributes</u> SI01  SI02	559 1000	Agency Qualifier Co Code identifying the a TI To Service Characteris Code from an industry characteristics BO Bo BR D DG DO DN D LB Li LE Li TW Si	agency assigning the code values elecommunications Industry stics Qualifier by code list qualifying the type of service usiness/Residence Placement Overrificetory Listings Type of Account egree of Indent irrectory Book Name sisting Activity Indicator string Type tyle Code	M ce ide	AN 2/2
	<u>Des.</u> <u>Attributes</u> SI01	Element 559	Agency Qualifier Co Code identifying the a TI To Service Characteris Code from an industry characteristics BO Br BR D DG Dr DN D LB Li LE Li TW Sr Product/Service ID	agency assigning the code values elecommunications Industry stics Qualifier by code list qualifying the type of service usiness/Residence Placement Overrificatory Listings Type of Account egree of Indent irrectory Book Name string Activity Indicator string Type tyle Code	<b>M</b> ce	
M	<u>Des.</u> <u>Attributes</u> SI01  SI02	559 1000	Agency Qualifier Co Code identifying the a TI To Service Characteris Code from an industry characteristics BO Br BR D DG D DN D LB Li LE Li TW Sr Product/Service ID	agency assigning the code values elecommunications Industry stics Qualifier by code list qualifying the type of service usiness/Residence Placement Overrificetory Listings Type of Account egree of Indent frectory Book Name string Activity Indicator string Type tyle Code	M ce ide	AN 2/2
M	<u>Des.</u> <u>Attributes</u> SI01  SI02	559 1000	Agency Qualifier Co Code identifying the a TI To Service Characteris Code from an industry characteristics BO BI BR D DG DO DN D LB Li LE Li TW Si Product/Service ID Identifying number for LACT (DL-10) = Listin	agency assigning the code values elecommunications Industry stics Qualifier by code list qualifying the type of service usiness/Residence Placement Overrificetory Listings Type of Account egree of Indent frectory Book Name string Activity Indicator string Type tyle Code	M ce ide	AN 2/2
M	<u>Des.</u> <u>Attributes</u> SI01  SI02	559 1000	Agency Qualifier Co Code identifying the a TI To Service Characteris Code from an industry characteristics BO Br BR D DG D DN D LB Li LE Li TW Sr Product/Service ID Identifying number for LACT (DL-10) = Listing STYC (DL-15) = Style	agency assigning the code values elecommunications Industry stics Qualifier by code list qualifying the type of service usiness/Residence Placement Overrificetory Listings Type of Account egree of Indent irectory Book Name isting Activity Indicator string Type tyle Code  The a product or service and Activity Indicator Type accode	M ce ide	AN 2/2
M	<u>Des.</u> <u>Attributes</u> SI01  SI02	559 1000	Agency Qualifier Co Code identifying the a TI To Service Characterist Code from an industry characteristics BO Bo BR DO DR DO DN DO LB Li LE Li TW So Product/Service ID Identifying number for LACT (DL-10) = Listing LTY (DL-13) = Listing STYC (DL-15) = Style TOA (DL-16) = Type of	agency assigning the code values elecommunications Industry stics Qualifier by code list qualifying the type of service usiness/Residence Placement Overriginectory Listings Type of Account egree of Indent irrectory Book Name sisting Activity Indicator string Type tyle Code  The a product or service and Activity Indicator Type Type Type Type Type Type Type Type	M ce ide	AN 2/2
M	<u>Des.</u> <u>Attributes</u> SI01  SI02	559 1000	Agency Qualifier Co Code identifying the a TI To Service Characteris Code from an industry characteristics BO Br BR D DG D DN D LB Li LE Li TW Sr Product/Service ID Identifying number for LACT (DL-10) = Listing STYC (DL-15) = Style	agency assigning the code values elecommunications Industry stics Qualifier by code list qualifying the type of service usiness/Residence Placement Overriginectory Listings Type of Account egree of Indent irrectory Book Name string Activity Indicator string Type tyle Code  The approach of the approach of the code of Account each of Indent expense account each of Indent expense account expenses account exp	M ce ide	AN 2/2

Updated: January 21, 2002

PID Product/Item Description Segment:

Position: 0500

> Loop: PID Optional

Level: Detail Optional Usage:

Max Use:

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

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

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.

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

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**

	Ref. <u>Des.</u> <u>Attributes</u>	Data <u>Element</u>	<u>Name</u>	·		
M	PID01	349	Item Descrip	tion Type	M	ID 1/1
			Code indicatir	ng the format of a description		
			S	Structured (From Industry Code List)		
	PID03	559	Agency Qua	lifier Code	X	ID 2/2
			Code identifyi	ng the agency assigning the code values		
			TI	Telecommunications Industry		
	PID04	751	<b>Product Des</b>	cription Code	X	AN 1/12
			A code from a	an industry code list which provides specific	data	about a
			product chara	acteristic		
			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

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.

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

Semantic Notes:

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: 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.

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 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: 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)

			Dala Lieili	ent Juninary		
	Ref. <u>Des.</u>	Data Element	Name			
	Attributes	Lieilleill	<u>ivaille</u>			
M	N901	128	Reference Id	lentification Qualifier	M	ID 2/3
			Code qualifyir	ng the Reference Identification		
			82	Data Item Description (DID) Refe	erence	
				Specific data elements that the gas contractor to provide and are serequirement documents	_	
	N902	127	Reference lo	lentification	Χ	AN 1/30
				ormation as defined for a particular Tra ne Reference Identification Qualifier	nsaction S	Set or as
			"LTXTY"			
	N903	369	Free-form De	escription	Χ	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 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\*\*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: 1

Purpose: To transmit identifying information as specified by the Reference

Identification Qualifier

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

2 If N906 is present, then N905 is required.

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

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

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

Comments:

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

			Data Lic	inchi Gamma y		
	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>			
	<b>Attributes</b>					
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 Transactor 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** N101 98 ID 2/3 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

i iee-ioiiii iiaii

"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
M	IN201	1104	Name Compor	nent Qualifier	M	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		M	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 Title 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		

N4 Geographic Location Segment:

Position: 3700

> N1 Loop: Optional

Level: Detail Usage: Optional

Max Use:

To specify the geographic place of the named party Purpose:

**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.

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

**Data Element Summary** 

Data Ref. Des.

**Element Name** 

**Attributes** 

N402 Χ 156 **State or Province Code** 

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

agency

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

ID 2/2

Segment: NX2 Location ID Component

Position: 3750

Loop: N1 Optional

Level: Detail
Usage: Optional
Max Use: >1

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

Syntax Notes: Semantic Notes:

Comments:

Notes: NX2\*01\*LANO(DL-63) NX2\*02\*LASN(DL-66)

Doto

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**

	Rei.	Data	
	Des.	<b>Element</b>	<u>Name</u>
	<u>Attributes</u>		
M	NX201	1106	Addres
			Cadaa

Address Component Qualifier M ID 2/2

Code qualifying the type of address component 01 Street Number

02 Street Name 03 Prefix Direction 07 City Name

18 Unstructured Mailing Address

40 Street Suffix

59 Street Number Low61 Street Number Fraction

Street Name Suffix

M NX202 166 Address Information M AN 1/55

Address information

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

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

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

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

LAPR (DL-62) = Listed Address Number Prefix LASF (DL-64) = Listed Address Number Suffix LATH (DL-67) = Listed Address Street Type Segment: SI Service Characteristic Identification

Position: 3950

Loop: N1 Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

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

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

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>	· · · · · · · · · · · · · · · · · · ·		
M	SI01	559	<b>Agency Qualifier</b>	Code	М	ID 2/2
			Code identifying the	ne agency assigning the code values		
			TI	Telecommunications Industry		
M	SI02	1000	Service Characte	eristics Qualifier	М	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	М	AN 1/48
			Identifying number	for a product or service		
			` ,	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

Attributes
M CTT01 354 Number of

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	М	AN 4/9		
			Identifying control number that must be unique within the transaction sfunctional group assigned by the originator for a transaction set				