## **UNE-P PRI ISDN TRUNK**

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## 53. UNE-P PRI ISDN Trunk

## 53.1 Business Description

Integrated Services Digital Network (ISDN) is a switched digital service that transfers information over the public switched telephone network. It replaces slower modem technology to offer fast, flexible, highly reliable and digitally clear connections utilizing the same twisted pair of wires that delivers basic phone service to the customer premise.

ISDN Primary Rate Interface (PRI) provides integrated telecommunication services via a four-wire physical network configuration, with full duplex transmission path. Deployment of ISDN requires that the customer's premises be outfitted with ISDN compatible customer premise equipment (CPE).

UNE-P PRI ISDN is provided on a DS-1 facility that is multiplexed into 24 channels in various configurations of: direct inward dialing, out dialing, and two way dialing. Therefore, two sets of service orders are required: one for the DS-1 facility; and the other for the T-1 Trunk configuration. For the DS-1 facility request, an LSR must be submitted in conjunction with a Resale Private Line (RPL) form. For the Trunk request, an LSR must be submitted in conjunction with an EU and Resale Service forms.

The following forms will be used between Qwest and the CLEC for UNE-P PRI ISDN Trunk ordering purposes:

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

Updated: January 21, 2002

The following Order Activity Matrices define the available Order, Line and/or Listing Activities for UNE-P PRI ISDN Trunks:

# Business Rules for Combining Order, Line, and/or Listing Activity for UNE-P **PRI ISDN Trunk Order Request**

Order Activity Definition

Req	ACT	Definition	Application	LNA	Forms required
Туре					
MB	N	New Installation	New installation of UNE-P ISDN PRI service.	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 LSP with no change to product or service or Directory Listing. Conversion of Retail or Resold PRS (Primary Rate Service) also known as PRI to UNE-P PRI with no changes to product or service or Directory Listing.	Not Applicable	LSR, EU
	V	Conversion As Specified	Conversion As Specified are valid on conversion from existing UNP-P ISDN PRI from one CLEC to another or conversions from Retail or Resold PRS to UNE-P ISDN PRI with changes in the service and can include Directory Listing changes.	V, N, D	LSR, EU, RS, DL
	Z	Conversion As Specified, No Directory Listing	Conversion As Specified are valid on conversion from existing UNP-P ISDN PRI from one CLEC to another or conversions from Retail or Resold PRS to UNE-P PRI ISDN PRI with changes in the service, but with no Directory Listing changes.	V, N, D	LSR, EU, RS

С	Change	Change to an existing UNE-P ISDN PRI service such as, add/remove features, add/remove trunks to existing service/account, PIC/LPIC change, change/add/remove Directory Listing, change billing information, change telephone number	N, C, D, X, P	LSR, EU, RS, DL (if changing listings)
Т	Outside Move	Outside move of an existing UNE-P ISDN PRI end user location.	N, D	LSR, EU, RS, DL
L	Seasonal Suspend	Not Allowed	Not Applicable	
Υ	Deny	Not Allowed	Not Applicable	
В	Restore	Not Allowed	Not Applicable	
R	Record	Not Allowed	Not Applicable	
М	Inside Move	Not Allowed	Not Applicable	

## Line Activity

Activity	Dofin!#lan	Application
LNA	Definition	Application
N	New Line.	New line at premises.
		FA must equal N.
D	Line	Disconnect line
	Disconnect.	
		Resale - FA (Feature Activity) is used to
		delete lines and features and include
		applicable charges (i.e. transfer of calls). FA =
		N (if TC OPT = S or T on CRS) or D.
V	Line	Change LSP with changes to line or Directory
	Conversion	Listing
	As Specified	
		All fields on the Resale Form must be
		specified. Resale - FA must specify
		'Conversion to LSP' (FA = V), 'New feature or
		charge' (FA = N), 'Feature Change Old' (FA =
		C), 'Feature Change New' (FA=T), or 'Feature
С	Change	Disconnect' (FA=D).
C	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 the USOC is changing, use FA of 'N'
		and 'N'. If USOC is staying the same, and the
		FID or FID detail is changing, use FA of 'C'
		and 'T'. Resale – FA (Feature Activity) is
		used to delete lines and features and include
		applicable charges (i.e. transfer of calls).
X	Phone	This LNA should only be used for Number
	Number	Changes without any other activity.
	Change	- Changes maiost any salor dollary.
	2.7590	FA entries would not be appropriate. If
		Number Changes occur with other activity, an
		LNA=C should be used.
Р	PIC Change	This LNA should only be used for PIC
		changes without any other activity.
		FA entries would not be appropriate. If PIC
		Changes occur with other activity, an LNA of
		C should be used.
All other	Not Allowed	
LNA		

## LISTING ACTIVITIES

LACT	Definition	Application
N	New Listing	The DL form must specify all details about a new listing.
D	Delete existing listing	The DL form must indicate the ALI code, the listing name, and text information to ensure the correct listing is deleted. A main listing cannot be deleted.
I	Change existing listing (new data)	Change activity is only valid if the person or business and book are staying the same, and just the details of the listing are changing. For example, if a person is changing their name, this would be a change of the listing. Otherwise, a delete and new must be used.  Must have both an 'I' and an 'O' activity in order to specify a listing change. The 'O' activity should come before the 'I' activity. An associated DL form for the same listing with the listing activity of 'O' is required.
O	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.

## 53.2 Business Model

See Appendix H

## 53.3 Developer Worksheets

See Appendices B and C - Developer Worksheets - Order

## **53.4 Trading Partner Access Information**

ORDERING FUNCTION	PRODUCT ID
UNE P PRI ISDN Trunk	850UPIT
UNE P PRI ISDN Trunk Supplemental	860UPIT
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.

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

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

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

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

## 53.4.2 ISA TABLE INFORMATION

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

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

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

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

#### 53.4.3 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	850UPIT	PO	Co-Provider TP ID	UPIT90
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	СОМР90	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	860UPIT	PC	Co-Provider TP ID	UPIT80
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	СОМР90	Co-Provider TP ID

#### 53.4.4 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**

Updated: January 21, 2002

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
End User	LSOG 5 and LSOG 3 (When Applicable)	ELMS 5	004020
Local Service Request	LSOG 5	ELMS 5	004020
Directory Listing	LSOG 5	ELMS 5	004020
Resale	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

## 53.5 Mapping Examples

Updated: January 21, 2002

## 53.5.1 850 UNE-P PRI ISDN Resale Trunks Query (850UPIT) - 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-1
DWS used in this mapping example:	
LSR=Local Service Request	
EU=End User	
DL=Directory Listing	
RE=Resale	
Italics = Literal	GOOD
<u>Underline</u> = Apply code conversion, used	ACT
with <b>Bold/Italics</b> . Code conversion tables	
can be found in the data dictionary of this	
disclosure.	
[] = Segment notes for this line	[SI Segment repeats]
() = Element notes for this line	(This element states)
n	Counter 1n
* = Element separator in this example and	= Actual element separator in an EDI
related data dictionary.	transaction.
> = Sub-element separator in this example	Non-printable characters of "0x1f" = Actual
and related data dictionary.	sub-element separator in an EDI transaction.

```
ST*850*TRAN SET CONTROL #
BEG*00*SS*PON<sup>LSR-2</sup>**PO Date(See Trading Partner Access Information)
REF*11*AN<sup>LSR-7</sup>*AN
REF*JB*PROJECTLSR-20
REF*SU*RTRLSR-28*RTR
REF*CO*RPON-SR-51*RPON
REF*1V*RORDLSR-52*RORD
REF*12*BAN1<sup>LSR-61</sup>*BAN1
REF*AO*APT CON<sup>LSR-15a</sup>
PAM*48*PG_of_LSR-10</sub>(1<sup>st</sup> 2 Bytes)*EA
PAM*47*PG_of_LSR-10</sub>(2<sup>nd</sup> 2 Bytes)*EA
PAM*KC*DQTY<sup>EU-5</sup>*EA
PAM*QO*RSQTYRE-5*EA
PAM*BH*DDQTY<sup>DL-23</sup>*EA
                                                      [If this segment appears then EXP^{LSR-26} = "Y"]
SAC*N**TI*EXP
DTM*097*D/TSENT{CCYYMMDD}}<sup>LSR-12</sup>*D/TSENT{HHMM}<sup>LSR-12</sup>
DTM*150*DDD{CCYYMMDD}<sup>LSR-14</sup>****TM/RTM*APPTIME{HHMM[-HHMM]}<sup>LSR-15</sup>
DTM*270*DATED(CCYYMMDD)<sup>LSR-36</sup>
SI*TI*RE*REQTYP<sup>LSR-23</sup>
SI*TI*AA*<u>ACT</u>LSR-24
SI*TI*TY*TOSLSR-44
SI*TI*SS*SPECLSR-45
```

```
PID*S**TI*AO***SO-RSQ*AGAUTHLSR-35
PID*S**TI*BI***SO-RSQ*FBF<sup>EU-42</sup>
PID*S**TI*PENDING***SO-RSQ*PENDING ORDERLSR-108b
N9*H7*ORI*LSR****2W>MANUAL IND<sup>LS</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**REMARKS<sup>RE-60a</sup>
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<sup>LSR-83</sup>
PER*CN*IMPCONLSR-91*TE*TEL NOLSR-92*BN*PAGERLSR-93
PER*AL* ALT IMPCON LSR-94*TE* TEL NO LSR-95*BN* PAGER LSR-96
N1*AN*AUTHNM
N1*X1*BILLNM<sup>EU-43</sup>
N2*SBILLNM<sup>EU-44</sup>
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>
\mathsf{NX2*32*}\textit{FLOOR}^{\mathsf{EU-46}}
NX2*35*ROOM/MAIL STOP<sup>EU-47</sup>
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*AFTEU-44a
```

## **End User Form (Location and Access Section)**

```
PO1*n*1*EA***ZZ*EU_SA
SI*TI*OP*WSOP<sup>EU-31</sup>*TN*WSOP TEL NO<sup>EU-31</sup>a
                                                                                                        [PO1 Loop May Repeat]
N1*IT*NAMEEU-8
N4**STATE<sup>EU-25</sup>*ZIP<sup>EU-26</sup>**RJ*CALA<sup>EU-26</sup>a
NX2*01*SANOEU-11
NX2*02*SASN<sup>EU-14</sup>
NX2*03*SASD<sup>EU-13</sup>
NX2*05*BOX<sup>EU-23c</sup>
NX2*06*ROUTE<sup>EU-23b</sup>
NX2*07*CITY<sup>EU-24</sup>
NX2*39*AHN<sup>EU-23a</sup>
NX2*40*SASS<sup>EU-16</sup>
NX2*59*SAPR<sup>EU-10</sup>
NX2*61*SASF<sup>EU-12</sup>
NX2*62*SATHEU-15
NX2*<u>LD1</u><sup>EU-17</sup>*LV1<sup>EU-18</sup>
NX2*<u>LD2</u><sup>EU-19</sup>*LV2<sup>EU-20</sup>
NX2*<u>LD3</u><sup>EU-21</sup>*LV3<sup>EU-22</sup>
SI*TI*AF*AFTEU-9
```

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

PO1\*n\*1\*EA\*\*\*ZZ\**EU\_DISC* SI\*TI\*ND\**DISC NBR*<sup>EU-55</sup> [PO1 Loop May Repeat]

SI\*TI\*T6\**TC OPT*<sup>EU-57</sup>
REF\*IX\* *DNUM*<sup>EU-54</sup>\* *DNUM*DTM\*376\**TC PER*{CCYYMMDD}<sup>EU-62</sup>
SLN\**TCPRI*\*n\*A\*1\*EA
SI\*TI\*TC\**TC TO PRI*<sup>EU-58</sup>
N1\*TT\**TC NAME*<sup>EU-58b</sup>
REF\*55\**TCID*<sup>EU-58a</sup>\* *PRI*SLN\**TCSEC*\*n\*A\*1\*EA
SI\*TI\*TC\**TC TO SEC*<sup>EU-59</sup>
N1\*TT\**TC NAME*<sup>EU-61</sup>
REF\*55\**TCID*<sup>EU-60</sup>\* *SEC* 

[SLN Loop May Repeat]

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

PO1\*n\*1\*EA\*\*\*ZZ\* RE SI\*TI\*SA\*<u>LNA</u><sup>RE-12</sup> SI\*TI\*TN\***TNS**<sup>RE-15</sup> SI\*TI\*OT\* OTN RE-19 SI\*TI\*TD\***PTKCON**RE-24 SI\*TI\*CN\**ECCKT*<sup>RE-28</sup> SI\*TI\*T6\***TC OPT**RE-35 SI\*TI\*BD\***PRIBD**RE-20 PID\*S\*\*TI\*AG\*\*\*SO-RSQ\***NIDR**RE-47 PID\*X\*\*TI\*CFA\*CFARE-57 REF\*IX\* LNUMRE-9\* LNUM REF\*GP\* TSPRE-25 REF\*AE\***SAN**RE-26  $\mathsf{DTM*376*} \textbf{\textit{TC PER}} (\mathsf{CCYYMMDD})^{\mathsf{RE-40}}$ N1\*P9\*\*41\**PIC*<sup>RE-3b</sup> 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**<sup>RE-38a</sup>\*PRI SLN\*TCSEC\*n\*A\*1\*EA SI\*TI\*TC\***TC TO SEC**RE-39

[PO1 Loop Repeats **RSQTY**<sup>RE-5</sup> times]

[SLN Loop May Repeat]

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

N1\*TT\**TC NAME*<sup>RE-42</sup> REF\*55\**TCID*<sup>RE-41</sup>\**SEC* 

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*<sup>RE-60</sup>

[SLN loop may repeat per FA/FEATURE pair]

[SI Segment may repeat]

## DL Form (Delivery Address/Information Section )

PO1\*n\*1\*EA\*\*\*ZZ\* DA SI\*TI\*AD\* **DACT** DL-81 QTY\*31\* **DIRQTYA** DL-103\*DY QTY\*38\* **DIRQTYNC** DL-104\*DY N1\*DA\* DELNAME N4\*\* **STATE** DL-99\* **ZIP** DL-100 [PO1 Loop repeats **DDQTY**<sup>DL-23</sup> times]

NX2\*01\**DDANO*<sup>DL-85</sup> NX2\*02\**DDASN*<sup>DL-88</sup> NX2\*03\**DDASD*<sup>DL-87</sup> NX2\*07\**CITY*<sup>DL-98</sup> NX2\*18\**DDALO*<sup>DL-90a</sup> NX2\*40\**DDASS*<sup>DL-90</sup> NX2\*59\**DDAPR*<sup>DL-84</sup> NX2\*61\**DDASF*<sup>DL-86</sup> NX2\*62\**DDATH*<sup>DL-89</sup>

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

 $\begin{array}{l} \mathsf{PO1^*n^*1^*EA^{***}ZZ^*} DL^*\mathsf{SH^*} \textit{RTY}^{\mathsf{DL-12}} \\ \mathsf{SI^*TI^*LB^*} \textit{LACT}^{\mathsf{DL-10}} \end{array}$ SI\*TI\*LE\*LTY<sup>DL-13</sup> SI\*TI\*TW\***STYC**DL-15 SI\*TI\*BR\***TOA**DL-16 SI\*TI\*DG\***DOI**<sup>DL-17</sup> SI\*TI\*DN\**DIRNAME*<sup>DL-34</sup> SI\*TI\*BO\***BRO**DL-28 PID\*S\*\*TI\*AR\*\*\*SO-RSQ\*<u>OMTN</u>DL-41 PID\*S\*\*TI\*AS\*\*\*SO-RSQ\* PID\*S\*\*TI\*AT\*\*\*SO-RSQ\* <u>ADI</u>DL-61 PID\*S\*\*TI\*AW\*\*\*SO-RSQ\*<u>DML</u>DL-25 PID\*S\*\*TI\*AX\*\*\*SO-RSQ\***NOSL**DL-26 PID\*S\*\*TI\*AY\*\*\*SO-RSQ\**TMKT*<sup>DL-27</sup> PID\*S\*\*TI\*BA\*\*\*SO-RSQ\**PROF*<sup>DL-32</sup> REF\*LI\**ALP*<sup>L-11</sup> N9\*82\*PLA MTX\*\***PLA**DL-55 N9\*82\**LTXTY*\**LTXTY*<sup>DL-57</sup> MTX\*\*LTEXT<sup>DL-59</sup> N9\*H7\*ORI\* DL MTX\*\***REMARKS**DL-113 N1\*DH\*LISTINGS IN2\*05\**LNLN*<sup>DL-45</sup> IN2\*02\**LNFN*<sup>DL-46</sup>\**LNFN*<sup>DL-46</sup> IN2\*21\***DES**<sup>DL-47</sup> IN2\*10\***TL**<sup>DL-48</sup>\*TL IN2\*01\**TITLE1*<sup>DL-49</sup>\**TITLE1* IN2\*18\**NICK*DL-54 IN2\*12\***DESD**<sup>DL-50a</sup>\*DESD IN2\*10\***TLD**<sup>DL-51</sup>\*TLD IN2\*01\**TITLE1D*<sup>DL-52</sup>\**TITLE1D* 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

[PO1 Loop May Repeat]

 $\mathsf{SI}^*\mathsf{TI}^*\mathsf{NS}^*\textit{NSTN}^{\mathsf{DL}\text{-}40}$ 

**Important Note:** If none of the above PO1 loops is applicable a "Dummy" PO1 loop is used in this format: PO1\*DUMMY\*1\*EA\*\*\*ZZ\*DD

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

## 53.5.2 860UPIT – UNE-P PRI ISDN Resale Trunks Supplemental Order Request – Version 4020

The 860UPIT is identical to the 850UPIT, except for the following:

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

## 53.6 **Data Dictionary**

## 53.6.1 850 UNE-P PRI ISDN Trunks Service Request (UPIT850)

## Functional Group ID=PO

#### Introduction:

The 850UPIT service request will be used by the Co-Provider to initiate a service request for UPIT to Qwest.

This implementation guideline references the following:

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

#### Notes:

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

#### Heading:

	Pos.	Seg.		Req.		Loop Notes and
	<u>No.</u>	<u>ID</u>	<u>Name</u>	Des.	Max.Use	RepeatComments
M	0100	ST	Transaction Set Header	М	1	
M	0200	BEG	Beginning Segment for Purchase Order	М	1	
	0500	REF	Reference Identification	0	>1	
	0950	PAM	Period Amount	0	10	
			LOOP ID - SAC			25
	1200	SAC	Service, Promotion, Allowance, or Charge Information	0	1	
	1500	DTM	Date/Time Reference	0	10	
	1850	SI	Service Characteristic Identification	0	>1	
	1900	PID	Product/Item Description	0	200	
			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	200
	3600	PER	Administrative Communications Contact	0	>1	
			LOOP ID - N1			200
	3100	N1	Name	0	1	
			·		·	000
	2400	NI4	LOOP ID - N1		1	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 Not <u>RepeatCon</u>	
			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 - N1			200	
	3500	N1	Name	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	
М	0100	PO1	Baseline Item Data - End User Form (Disconnect Information Section)	М	1		n2
	0180	SI	Service Characteristic Identification	0	>1		
	1000	REF	Reference Identification	Ō	>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	L
	4700	SLN	Subline Item Detail	0	1	<b>/</b> 1	
	4800	SI	Service Characteristic Identification	Ö	>1		
		-	LOOP ID - N1			10	
	5350	N1	Name	0	1		
	5800	REF	Reference Identification	0	12		
			LOOP ID - PO1			100000	1.1.
M	0100	PO1	Baseline Item Data - Resale Form (Service	M	1		n3
	0180	SI	Details Section) Service Characteristic Identification	0	>1		
	0100	OI .	LOOP ID - PID			1000	
	0500	PID	Product/Item Description	0	1	1000	
			·				
	1000	REF	Reference Identification	0	>1		
	2100	DTM	Date/Time Reference	0	10		
			LOOP ID - N1			200	
	3500	N1	Name	0	1		
			LOOP ID - N1			200	
	3500	N1	Name	0	1		
			LOOP ID - SLN			>1	
	4700	SLN	Subline Item Detail	0	1		
	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		
	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		
	4000	O.					
	0400	DO4	LOOP ID - PO1	.,,		100000	4
М	0100	PO1	Baseline Item Data - DL Form (Delivery Address/Information Section)	М	1		n4
	0180	SI	Service Characteristic Identification	0	>1		
			LOOP ID - QTY			>1	
	2930	QTY	Quantity	0	1		
						200	
	2500	NII	LOOP ID - N1	0	1	200	
	3500 3800	N1 N4	Name Geographic Location	0	1 1		
	3850	NX2	Location ID Component	0	>1		
	3030	INAZ					
			LOOP ID - PO1			100000	_
M	0100	PO1	Baseline Item Data - DL Form (Service Details Section)	М	1		n5
	0180	SI	Service Characteristic Identification	0	>1		
			LOOP ID - PID			1000	
	0500	PID	Product/Item Description	0	1		
	1000	REF	Reference Identification	0	>1		
			LOOP ID - N9			1000	
	3300	N9	Reference Identification	0	1	1000	
	3400	MTX	Text	0	>1		
			LOOP ID - N9			4000	
	2200	NO	Reference Identification	0	1	1000	
	3300 3400	N9 MTX	Text	0	1 >1		
	3400	IVIIA					
			LOOP ID - N9			1000	
	3300	N9	Reference Identification	0	1		
	3400	MTX	Text	0	>1		
			LOOP ID - N1			200	
	3500	N1	Name	0	1		
	3650	IN2	Individual Name Structure Components	0	>1		
	3800	N4	Geographic Location	0	1		
	3850	NX2	Location ID Component	0	>1		
	4050	SI	Service Characteristic Identification	0	>1		
			LOOP ID - PO1			100000	
М	0100	PO1	Baseline Item Data - DUMMY	М	1		n6

## Summary:

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

M 0300 SE Transaction Set Trailer M 1

## **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. 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.

**ST** Transaction Set Header Segment:

0100 Position:

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:** 

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).

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.	Data			
	Des.	<b>Element</b>	<u>Name</u>		
	<b>Attributes</b>				
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	tran	saction set
			functional group assigned by the originator for a transacti	on se	et

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

Position: 0200

Loop:

Level: Heading Usage: Mandatory

Max Use: 1

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

transmit identifying numbers and dates

Syntax Notes:

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

Comments:

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

## **Data Element Summary**

	Ref. Des.	Data Element	Name		
	Attributes				
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	М	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	М	DT 8/8
			Date expressed as CCYYMMDD		
			PO Date = Purchase Order Date (See Trading Partner Ad Information)	cess	3

Segment: REF Reference Identification

Position: 0500

Loop:

Level: Heading Usage: Optional Max Use: >1

**Purpose:** To specify identifying information

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

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

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

Semantic Notes: Comments:

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

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 REF\*AO\*APT CON (LSR-15a)

## **Data Element Summary**

Ref.	Data		
Des.	<b>Element</b>	<u>Name</u>	
<b>Attributes</b>			
REF01	128	Reference Identif	ication Qualifier M ID 2/3
		Code qualifying the	Reference Identification
		11	Account Number
			Number identifies a telecommunications industry
			account
		12	Billing Account
			Account number under which billing is rendered
		1V	Related Vendor Order Number
			A vendor's order number that is in addition to a
			primary order number
		AO	Appointment Number
		CO	Customer Order Number
		JB	Job (Project) Number
		OW	Service Order Number
			Number assigned when a customer orders service
			and equipment and which appears on bill
		SU	Special Processing Code
			Unique code identifying the special handling
			requirements for the claim
REF02	127	Reference Identif	ication X AN 1/30
	Des. Attributes REF01	Des. Element Attributes REF01 128	Des. Attributes REF01 128 Reference Identification Code qualifying the 11 12 12 1V AO CO JB OW SU

Reference information as defined for a particular Transaction Set or as

specified by the Reference Identification Qualifier

AN (LSR-7) = 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

APT CON (LSR-15a) = Appointment Confirmation

REF03	352	<b>Description</b> A free-form description to clarify the related data elements content	AN 1/80 their
		"AN" "RTR" "RPON"	
		"RORD" "BAN1" "ORD"	

Segment: PAM Period Amount

Position: 0950

Loop:

Level: Heading Usage: Optional Max Use: 10

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

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

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

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

required.

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

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

required.

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

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

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

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

"N" indicates amount is a net value.

Comments:

Notes: PAM\*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	
Des.	<b>Element</b>	<u>Name</u>
<b>Attributes</b>		

PAM01 673 Quantity Qualifier

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

PAM02 380 Quantity X R 1/15

Numeric value of quantity

First 2 bytes of PG\_of\_ (LSR-10) Second 2 bytes of PG\_of\_ (LSR-10) DQTY (EU-5) = Disconnect Quantity RSQTY (RE-5) = Resale Quantity

DDQTY (DL-23) = Number of Delivery Segments

PAM03 C001 Composite Unit of Measure

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

examples of use)

X ID 2/2

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

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

EA

Each

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

Position: 1200

> Loop: SAC Optional

Level: Heading Optional Usage:

Max Use:

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

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

or charge

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

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

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

If SAC11 is present, then SAC10 is required.

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

7 If SAC14 is present, then SAC13 is required.

If SAC16 is present, then SAC15 is required. **Semantic Notes:** 

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

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

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

SAC08 is the allowance or charge rate per unit.

SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.

SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.

5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.

**6** SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.

7 SAC16 is used to identify the language being used in SAC15.

Comments:

SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction with SAC03 to further define SAC02.

In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance. charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" -Dollars in SAC09.

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

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

#### **Data Element Summary**

Ref. Data

Des. **Element Name** 

**Attributes** 

М SAC01 248 Allowance or Charge Indicator ID 1/1

Code which indicates an allowance or charge for the service specified

Ν No Allowance or Charge

SAC03	559	Agency Qualifier Code Code identifying the agency assigning the code values TI Telecommunications Industry	X	ID 2/2
SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code	X	AN 1/10
		Agency maintained code identifying the service, promotic or charge	n, al	lowance,
		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 element	s and	d their
		content		
		VTA (LSR-80) = Variable 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\*150\*DDD{CCYYMMDD} (LSR-14)\*\*\*TM/RTM\*APPTIME

{HHMM[-HHMM]} (LSR-15)

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

DTM\*270\*DATED{CCYYMMDD} (LSR-36)

## **Data Element Summary**

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

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

## times

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

Segment: SI Service Characteristic Identification

Position: 1850

Loop:

Level: Heading Usage: Optional Max Use: >1

**Purpose:** To specify service characteristic data

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

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\*TY\*TOS (LSR-44) SI\*TI\*SS\*SPEC (LSR-45)

#### **Data Element Summary**

	Ref.	Data					
	Des.	<b>Element</b>	<u>Name</u>				
	<b>Attributes</b>						
M	SI01	559	Agency Qualifier Code			ID 2/2	
			Code identifying the agency assigning the code values				
			TI	Telecommunications Industry			
М	SI02	1000	Service Characte	М	AN 2/2		
			Code from an industry code list qualifying the type of serv		/ice		
			characteristics	, , , , , , , , , , , , , , , , , , , ,			
			AA	Account Activity Code			
			RE	Requisition Type and Status			
			SS	Service Sub-catagory Code			
			TY	Type of Service			
M	SI03	234	Product/Service ID		M	AN 1/48	
			Identifying number for a product or service				
			ACT (LSR-24) = A	ctivity			
			A = (DWS : N - I)	New Installation)			
			D = (DWS : D -	Disconnect of Entire Account)			
	C = (DWS : C - Change)						
			V = (DWS : V - Conversion as Specified)				
			•	Outside Move (T/F)) Conversion as specified/no listing)			
			,	, 3,			

REQTYP (LSR-23) = Requisition Type and Status

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

TOS (LSR-44) = Type of Service

Segment: PID Product/Item Description

Position: 1900

Loop:

Level: Heading Usage: Optional Max Use: 200

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

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

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.

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.

Updated: January 21, 2002

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

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

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

			Data Licinciit	Julilliai y		
	Ref.	Data				
	Des.	Element	Name			
	<u>Attributes</u>	Lioinone	<u>rtarrio</u>			
		0.40	Maria Baranta di Africa			ID 4/4
М	PID01	349	Item Description	туре	M	ID 1/1
			Code indicating the	e format of a description		
			S	Structured (From Industry Code List)		
	PID03	559	<b>Agency Qualifier</b>	• • • • • • • • • • • • • • • • • • • •	X	ID 2/2
			Code identifying th	e agency assigning the code values		
			П	Telecommunications Industry		
	PID04	751	<b>Product Descripti</b>	on Code	X	AN 1/12
			A code from an inc	dustry code list which provides specific	data	about a
			product characteris			
			AO	Agency Authorization Status		
			BI	9 ,		
				Final Bill Information Indicator		
			PENDING	Pending Order		
	PID07	822	Source Subquali	fier	0	AN 1/15
			A reference that in	dicates the table or text maintained by	the S	Source
			Qualifier	·		
			SO-RSQ	Service Order - Reseller Questions Lis	st	
	PID08	1073	Yes/No Condition	or Response Code	0	ID 1/1
				Yes or No condition or response		
				Il Bill Information Indicator		
			. 5. (20 12) - 1 1110	Diii iiiioiiiiaaan iiialoatoi		

N = (DWS : E - Existing (Default)) Y = (DWS : D - Different)

AGAUTH (LSR-35) = Agency Authorization Status PENDING ORDER (LSR-108b) = Pending Order

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

Segment: MTX Text

Position: 3000

Loop: N9 Optional

Level: Heading Usage: Optional Max Use: >1

Purpose: To specify textual data

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

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

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

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

then MTX05 is required.

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

**Data Element Summary** 

Ref. Data

Des. Element Name

**Attributes** 

MTX02 1551 Message Text X AN 1/4096

To transmit large volumes of message text

REMARKS (LSR-108) = Remarks

Segment: N9 Reference Identification

Position: 2950

Loop: N9 Optional

Level: Heading Usage: Optional

Max Use:

Purpose: To transmit identifying information as specified by the Reference

Identification Qualifier

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

2 If N906 is present, then N905 is required.

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

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

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

Comments:

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

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

Segment: MTX Text

Position: 3000

Loop: N9 Optional

Level: Heading Usage: Optional Max Use: >1

Purpose: To specify textual data

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

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 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)

			Data Elomont Gamma,		
	Ref.	Data			
	Des.	<b>Element</b>	<u>Name</u>		
	<b>Attributes</b>				
M	N901	128	Reference Identification Qualifier	М	ID 2/3
			Code qualifying the Reference Identification		
			H7 Standard Clause		
	N902	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transact	ion S	Set or as
			specified by the Reference Identification Qualifier		
			ORI Order Instructions		
	N903	369	Free-form Description	X	AN 1/45
			Free-form descriptive text		
			"RESALE"		
	N907	C040	Reference Identifier	0	
			To identify one or more reference numbers or identification	n nu	mbers as
			specified by the Reference Qualifier		
M	C04001	128	Reference Identification Qualifier	М	ID 2/3
			Code qualifying the Reference Identification		
			2W Change Order Authority		
M	C04002	127	Reference Identification	М	AN 1/30
			Reference information as defined for a particular Transact	ion S	Set or as
			specified by the Reference Identification Qualifier		
			MANUAL IND (RE-60b) = 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 (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: 3100

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\*78\*CCNA (LSR-1)

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

PER Administrative Communications Contact Segment:

Position: 3600

> N1 Loop: Optional

Heading Level: Usage: Optional Max Use:

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

should be directed

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

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

**Semantic Notes:** Comments:

Updated: January 21, 2002

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 S	Summary		
	Ref. <u>Des.</u>	Data <u>Element</u>	Name			
	Attributes	Lieilleill	<u>ivanie</u>			
М	PER01	366	, ,	Code e major duty or responsibility of the per	<b>M</b> son	ID 2/2 or group
			named AG	Agent		
			AL	Alternate Contact		
				Person to be contacted when the mai available	n co	ntact is not
	DEDOO	00	CN	General Contact	_	ANI 4/00
	PER02	93	Name Free-form name		0	AN 1/60
			INIT (LSR-81) = Ini	tiator Identification		
				= Implementation Contact		
				R-94) = Alternate Implementation Conta	ct	
	PER03	365	Communication I	Number Qualifier	X	ID 2/2
				e type of communication number		
	DED04	004	TE	Telephone	.,	ANI 4/050
	PER04	364	Communication I		X	AN 1/256
			applicable	ications number including country or ar	ea c	ode when
				= Telephone Number		
				= Telephone Number		
	DEDOS	205		= Telephone Number	v	ID 0/0
	PER05	365	Communication I Code identifying th	e type of communication number	X	ID 2/2
			BN	Beeper Number		
	2522		FX	Facsimile	.,	111 4/050
	PER06	364	Communication I		X	AN 1/256
			applicable	ications number including country or ar	ea c	ode when
				= Facsimile Number		
			PAGER (LSR-93) :			
			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 applicable	area	code when
		EMAIL (LSR-83) = Electronic Mail Address		

Segment:

Position: 3100

> N1 Optional Loop:

Level: Heading Usage: Optional

Max Use:

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

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

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

**Semantic Notes:** 

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

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

transaction processing party.

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

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

		Data Element S	Summary		
Ref.	Data				
Des.	<b>Element</b>	<u>Name</u>			
<b>Attributes</b>					
N101	98	<b>Entity Identifier C</b>	ode	M	ID 2/3
		Code identifying ar an individual	n organizational entity, a physical locat	ion, <sub> </sub>	property or
		AN	Authorized From		
			A geographic location designated as pick-up or origin point for a shipment	an aı	uthorized
N102	93	Name		X	AN 1/60
		Free-form name			
		AUTHNM (LSR-37)	= Authorization Name		
	Des. Attributes N101	Des. Element Attributes N101 98	Ref. Data Des. Element Name  Attributes N101 98 Entity Identifier C Code identifying ar an individual AN  N102 93 Name Free-form name	Ref. Data Des. Element Name  Attributes N101  98  Entity Identifier Code Code identifying an organizational entity, a physical locat an individual AN Authorized From A geographic location designated as a pick-up or origin point for a shipment N102  93  Name	Des. Attributes N101  98 Entity Identifier Code Code identifying an organizational entity, a physical location, an individual AN Authorized From A geographic location designated as an appick-up or origin point for a shipment  N102  93 Name Free-form 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	Sullillary	
	Ref. <u>Des.</u>	Data <u>Element</u>	<u>Name</u>		
	<u>Attributes</u>				
M	N101	98	<b>Entity Identifier C</b>	Code M	ID 2/3
			Code identifying a an individual	n organizational entity, a physical location,	property or
			X1	Mail to	
				An address to which a specified item is to	o be mailed
	N102	93	Name Free-form name	X	AN 1/60
			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

**Attributes** 

M N201 93 Name M AN 1/60

Free-form name

SBILLNM (EU-44) = Secondary Billing 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.

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.	<b>Element</b>	<u>Name</u>		
<b>Attributes</b>				
N402	156	State or Province Code	X	ID 2/2
		Code (Standard State/Province) as defined by appropriate	gov	ernment
		agency		
		STATE (EU-49) = State/Province		
N403	116	Postal Code	0	ID 3/15
		Code defining international postal zone code excluding pu	ınctu	ation and

blanks (zip code for United States)

ZIP (EU-50) = ZIP/Postal Code

Segment: NX2 Location ID Component

Position: 3450

Loop: N1 Optional

Level: Heading Usage: Optional Max Use: >1

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

Syntax Notes: Semantic Notes: Comments:

Ref

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

Data

NX2\*02\*SASN (EU-45e) NX2\*03\*SASD (EU-45d) NX2\*07\*CITY (EU-48) NX2\*32\*FLOOR (EU-46)

NX2\*35\*ROOM/MAIL STOP (EU-47)

NX2\*40\*SASS (EU-45g) NX2\*59\*SAPR (EU-45a) NX2\*61\*SASF (EU-45c) NX2\*62\*SATH (EU-45f)

	Rei.	Data					
	Des.	<u>Element</u>	<u>Name</u>				
	<u>Attributes</u>						
M	NX201	1106	<b>Address Compor</b>	ent Qualifier	M	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	build	ding	
			40	Street Suffix		J	
			59	Street Number Low			
			61	Street Number Fraction			
			62	Street Name Suffix			
M	NX202	166	<b>Address Informat</b>	ion	M	AN 1/55	
			Address information	n			
			SANO (EU-45b) =	Service Address Number			
			SASN (EU-45e) =	Service Address Street Name			
			,	Service Address Street Directional Pre	fix		
			CITY (EU-48) = Cit				
			FLOOR (EU-46) =	•			
			,	P (EU-47) = Room/Mail Stop			
				Service Address Street Directional Suf	fix		
				Service Address Number Prefix			
			,	Service Address Number Suffix			
				Service Address Street Type			
			C (=0 101)				

Segment: SI Service Characteristic Identification

Position: 3650

Loop: N1 Optional

Level: Heading Usage: Optional Max Use: >1

**Purpose:** To specify service characteristic data

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

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

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

**Semantic Notes:** 

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

qualifiers.

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

	Ref. Des.	Data Element	Name		
	Attributes	Lieilieili	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	М	AN 2/2
			Code from an industry code list qualifying the type of sen characteristics	/ice	
			AF Address Format Type		
M	SI03	234	Product/Service ID	М	AN 1/48
			Identifying number for a product or service		
			AFT (EU-44a) = Address Format Type		

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

Section)

Position: 0100

**Loop:** PO1 Mandatory

Level: Detail Usage: Mandatory

Max Use: 1

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

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

2 If PO105 is present, then PO104 is required.

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

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

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

**Semantic Notes:** 

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

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

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

ISBN No., Model No., or SKU.

Notes: PO1\*n\*1\*EA\*\*\*ZZ\*EU SA [PO1 Loop May Repeat]

		Para Promon Gammary		
Ref.	Data			
Des.	<b>Element</b>	Name		
Attributes				
	250	Assigned Identification	^	A NI 4/20
PO101	350	Assigned Identification	0	AN 1/20
		Alphanumeric characters assigned for differentiation within	n a tı	ransaction
		set		
		"n" = nth assigned ID within PO1 loop		
PO102	330	Quantity Ordered	Χ	R 1/15
		Quantity ordered		
		1 Always One		
PO103	355	Unit or Basis for Measurement Code	0	ID 2/2
		Code specifying the units in which a value is being expres	sed.	or
		manner in which a measurement has been taken	,	
		EA Each		
DO400	225		v	ID 0/0
PO106	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive numbe	r use	ed in
		Product/Service ID (234)		
		ZZ Mutually Defined		
PO107	234	Product/Service ID	Χ	AN 1/48
		Identifying number for a product or service		
		"EU ŚA"		

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)

	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 serv	ice	
			characteristics		
			OP Working Service on Premises		
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 serv	ice	
			characteristics		
			TN Telephone Number		
	SI05	234	Product/Service ID	Χ	AN 1/48
			Identifying number for a product or service		
			WSOP TEL NO (EU-31a) = Working Service on Premises	: Tel	ephone
			Number		•

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\*IT\*NAME (EU-8)

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

Segment: N4 Geographic Location

Position: 3800

**Loop:** N1 Optional

Level: Detail
Usage: Optional

Max Use: 1

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

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)

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

Segment: NX2 Location ID Component

Position: 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)

14 = (DWS: SUIT) 34 = (DWS: LOT) 35 = (DWS: RM)

36 = (DWS: SLIP) 37 = (DWS: UNIT)

LD2 (EU-19) = Location Designator 2

32 = (DWS: FLR)

LD3 (EU-21) = Location Designator 3

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

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

07 City Name

39 Unstructured Property

40 Street Suffix59 Street Number Low

ID 2/2

М	NX202	166	Address In	formation
			62	Street Name Suffix
			61	Street Number Fraction

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

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\*AF\*AFT (EU-9)

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

Segment: PO1 Baseline Item Data - 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 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\*EU DISC [PO1 Loop May Repeat]

		Data Liement Juminary				
Ref.	Data					
Des.	<b>Element</b>	<u>Name</u>				
<b>Attributes</b>						
PO101	350	Assigned Identification	0	AN 1/20		
		Alphanumeric characters assigned for differentiation within	n a tr	ansaction		
		set				
		"n" = nth assigned ID within PO1 loop				
PO102	330	<b>Quantity Ordered</b>	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 expres	sed,	or		
		manner in which a measurement has been taken				
		EA Each				
PO106	235	Product/Service ID Qualifier	Χ	ID 2/2		
		Code identifying the type/source of the descriptive number used in				
		Product/Service ID (234)				
		ZZ Mutually Defined				
PO107	234	Product/Service ID	Χ	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.

**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>				
M	SI01	559	Agency Qualifier Code	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2
			Code from an industry code list qualifying the type of servi	ce	
			characteristics		
			ND Disconnect Number		
			T6 Transfer of Calls Option		
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
			DISC NBR (EU-55) = Disconnect Telephone Number		
			TC OPT (EU-57) = Transfer of Call Options		
М	SI03	234	characteristics  ND Disconnect Number  T6 Transfer of Calls Option  Product/Service ID  Identifying number for a product or service  DISC NBR (EU-55) = Disconnect Telephone Number		AN 1/48

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

**DTM** Date/Time Reference Segment:

Position: 2100

> PO1 Loop: 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.

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** 

Data Ref.

Des. Element Name

**Attributes** 

М DTM01 374 **Date/Time Qualifier** М 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** Date expressed as CCYYMMDD

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

Χ

**DT 8/8** 

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.

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 withi	n a t	ransaction
			set		
			"n" = nth assigned ID within SLN loop		
М	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 Figures Appendix for examples of use)

M C00101 355 Unit or Basis for Measurement Code M ID 2/2
Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

EA Each

Segment: SI Service Characteristic Identification

Position: 4800

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

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

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> <u>Attributes</u>	Data <u>Element</u>	<u>Name</u>		
M	SI01	559	Agency Qualifier Code	M	ID 2/2
			Code identifying the agency assigning the code values TI Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2
			Code from an industry code list qualifying the type of 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 Number	<del>)</del> r	

Segment: N1 Name

Position: 5350

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use: 1

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

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

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

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

			Data Element Gammary		
	Ref.	Data			
	Des.	<b>Element</b>	<u>Name</u>		
	<u>Attributes</u>				
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 Transacti specified by the Reference Identification Qualifier	on S	et 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 elements content	and	their
			"PRI"		

Segment: SLN Subline Item Detail

Position: 4700

Loop: SLN Optional

Level: Detail Usage: Optional

Max Use: 1

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

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

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

If either SLN09 or SLN10 is present, then the other is required.
If either SLN11 or SLN12 is present, then the other is required.
If either SLN13 or SLN14 is present, then the other is required.
If either SLN15 or SLN16 is present, then the other is required.
If either SLN17 or SLN18 is present, then the other is required.
If either SLN19 or SLN20 is present, then the other is required.
If either SLN21 or SLN22 is present, then the other is required.
If either SLN23 or SLN24 is present, then the other is required.

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

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

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

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

Notes: SLN\*TCSEC\*n\*A\*1\*EA [SLN Loop May Repeat]

	Ref.	Data			
	Des.	<b>Element</b>	<u>Name</u>		
	<u>Attributes</u>				
M	SLN01	350	Assigned Identification	M	AN 1/20
			Alphanumeric characters assigned for differentiation withi	n a t	ransaction
			set		
			"TCSEC"		
	SLN02	350	Assigned Identification	0	AN 1/20
			Alphanumeric characters assigned for differentiation within	n a t	ransaction
			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 Figures Appendix for examples of use)

M C00101 355 Unit or Basis for Measurement Code M ID 2/2
Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

EA Each

Segment: SI Service Characteristic Identification

Position: 4800

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To specify service characteristic data

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

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.	Data			
	Des.	<b>Element</b>	<u>Name</u>		
	<u>Attributes</u>				
M	SI01	559	Agency Qualifier Code	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2
			Code from an industry code list qualifying the type of service 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 Nu	mbe	r

Segment: N1 Name

Position: 5350

Loop: N1 Optional

Level: Detail
Usage: Optional

Max Use: 1

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

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

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.	<b>Element</b>	<u>Name</u>		
	<u>Attributes</u>				
M	N101	98	Entity Identifier Code	VI	ID 2/3
			Code identifying an organizational entity, a physical location an individual	n, p	oroperty or
			TT Transfer To		
	N102	93	Name	K	AN 1/60
			Free-form name		
			TC NAME (EU-61) = Transfer of Calls to Name		

Segment: REF Reference Identification

Position: 5800

**Loop:** N1 Optional

Level: Detail
Usage: Optional
Max Use: 12

**Purpose:** To specify identifying information

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

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

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

Comments:

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

			Data Liement Summary		
	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	Χ	AN 1/30
			Reference information as defined for a particular Transacti specified by the Reference Identification Qualifier	on S	et or as
			TCID (EU-60) = Transfer of Calls to Identifier		
	REF03	352	<b>Description</b> A free-form description to clarify the related data elements content	<b>X</b> and	AN 1/80 their
			"SEC"		

Segment:	PO1 Baseline Item Data - Resale 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.
	<b>3</b> If either PO106 or PO107 is present, then the other is required.
	4 If either PO108 or PO109 is present, then the other is required.
	5 If either PO110 or PO111 is present, then the other is required.
	6 If either PO112 or PO113 is present, then the other is required.
	7 If either PO114 or PO115 is present, then the other is required.
	8 If either PO116 or PO117 is present, then the other is required.
	<b>9</b> If either PO118 or PO119 is present, then the other is required.
	<b>10</b> 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.
	<b>12</b> If either PO124 or PO125 is present, then the other is required.
Semantic Notes:	
Comments:	·
	<b>3</b> PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No.,
Comments:	<ol> <li>See the Data Element Dictionary for a complete list of IDs.</li> <li>PO101 is the line item identification.</li> <li>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. at SKI.</li> </ol>

# **Data Element Summary**

ISBN No., Model No., or SKU.

PO1\*n\*1\*EA\*\*\*ZZ\*RE

Notes:

Ref. Des.	Data <u>Element</u>	Name		
Attributes PO101	350	Assigned Identification Alphanumeric characters assigned for differentiation within	O n a tr	AN 1/20
		set "n" = nth assigned ID within PO1 loop		
PO102	330	Quantity Ordered Quantity ordered	X	R 1/15
PO103	355	1 Always One Unit or Basis for Measurement Code	0	ID 2/2
1 0 100	333	Code specifying the units in which a value is being expres manner in which a measurement has been taken EA Each	sed,	
PO106	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number Product/Service ID (234) ZZ Mutually Defined	<b>X</b> r use	<b>ID 2/2</b> d in
PO107	234	Product/Service ID Identifying number for a product or service "RE"	X	AN 1/48

[PO1 Loop Repeats RSQTY (RE-5) times]

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\*LNA (RE-12)

SI\*TI\*TN\*TNS (RE-15) SI\*TI\*OT\*OTN (RE-19) SI\*TI\*TD\*PTKCON (RE-24) SI\*TI\*CN\*ECCKT (RE-28) SI\*TI\*T6\*TC OPT (RE-35) SI\*TI\*BD\*PRIBD (RE-20)

## **Data Element Summary**

	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>			
	<b>Attributes</b>					
М	SI01	559	<b>Agency Qualifier</b>	Code	M	ID 2/2
			Code identifying th	e agency assigning the code values		
			TI	Telecommunications Industry		
M	SI02	1000	<b>Service Characte</b>	ristics Qualifier	M	AN 2/2
			Code from an indu	stry code list qualifying the type of serv	ice	
			characteristics			
			BD	Primary B/D Channel Configuration		
			CN	Circuit Number Identification Code		
			OT	Out Telephone Number		
			SA	Service Activity Code		
			T6	Transfer of Calls Option		
			TD	Transmission Duplex		
			TN	Telephone Number		
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)

TNS (RE-15) = Telephone Numbers

OTN (RE-19) = Out Telephone Number
PTKCON (RE-24) = PBX Trunk Configuration
ECCKT (RE-28) = Exchange Company Circuit ID
TC OPT (RE-35) = Transfer of Call Options
PRIBD (RE-20) = ISDN PRI 'B' and 'D' Channel Configuration

Segment: PID Product/Item Description

Position: 0500

Loop: PID Optional

Level: Detail Usage: Optional

Max Use: 1

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

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

At least one of PID04 or PID05 is required.
If PID07 is present, then PID03 is required.
If PID08 is present, then PID04 is required.
If PID09 is present, then PID05 is required.

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

being referred to.

2 PID04 should be used for industry-specific product description

codes.

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

indeterminate.

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

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

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

used.

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

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

PID03.

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

PID\*X\*\*TI\*CFA\*CFA (RE-57)

			Data Licinoit C	ounnary		
	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>			
	<b>Attributes</b>					
M	PID01	349	Item Description	Туре	М	ID 1/1
			Code indicating the	e format of a description		
			S	Structured (From Industry Code List)		
			Χ	Semi-structured (Code and Text)		
	PID03	559	<b>Agency Qualifier</b>	Code	Χ	ID 2/2
			Code identifying the	e agency assigning the code values		
			TI	Telecommunications Industry		
	PID04	751	<b>Product Descripti</b>	on Code	Χ	AN 1/12
			A code from an ind	lustry code list which provides specific	data	about a
			product characteris	stic		
			AG	Network Interface Device Request		
			CFA	Connecting Facility Assignment		
	PID05	352	Description		Χ	AN 1/80
			A free-form descrip	tion to clarify the related data elements	s and	their
			content			
			CFA (RE-57) = Co	nnecting Facility Assignment		
	PID07	822	Source Subquali	fier	0	AN 1/15
			A reference that in	dicates the table or text maintained by	the S	Source
			Qualifier	·		
			SO-RSQ	Service Order - Reseller Questions Li	st	

#### PID08 1073

Yes/No Condition or Response Code Code indicating a Yes or No condition or response NIDR (RE-47) = NID Request

O ID 1/1

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\*LNUM (RE-9)\*LNUM

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

	Ref.	Data			
	Des.	<u>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) Num	ber	
			GP Government Priority Number		
			IX Item Number		
	REF02	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transacti	on S	et 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: 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

<u>Attributes</u>

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

Segment: N1 Name

Position: 3500

Loop: N1 Optional

Level: Detail
Usage: Optional

Max Use:

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

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

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

**Semantic Notes:** 

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

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

transaction processing party.

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

Notes: N1\*P9\*\*41\*PIC (RE-30)

			Data Element Gammary		
	Ref.	Data			
	Des.	<b>Element</b>	Name .		
	Attributes				
М	N101	98	Entity Identifier Code	M	ID 2/3
			Code identifying an organizational entity, a physical an individual	location,	property or
			P9 Primary Interexchange Carrier (P	IC)	
			Identifies the carrier who will han	dle the	
			interexchange calls		
	N103	66	Identification Code Qualifier	X	ID 1/2
			Code designating the system/method of code structul Identification Code (67)	ure used f	for
			41 Telecommunications Carrier Ider	ntification	Code
			Identifies the Interexchange carri being billed	er for the	charges
	N104	67	Identification Code	X	AN 2/80
			Code identifying a party or other code		
			PIC (RE-30) = InterLATA Pre-subscription Indicator (	Code	

Segment: N1 Name

Position: 3500

Loop: N1 Optional

Level: Detail
Usage: Optional

Max Use:

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

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

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

**Semantic Notes:** 

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

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

transaction processing party.

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

Notes: N1\*8V\*\*41\*LPIC (RE-31)

	Ref.	Data	·		
	Des.	<b>Element</b>	<u>Name</u>		
	<u>Attributes</u>				
M	N101	98	Entity Identifier Code	М	ID 2/3
			Code identifying an organizational entity, a physical locati an individual	on,	property or
			8V Primary Intra-LATA (Local Access Tra	nsp	ort Area)
			Carrier		
	N103	66	Identification Code Qualifier	Χ	ID 1/2
			Code designating the system/method of code structure us	sed f	for
			Identification Code (67)		
			41 Telecommunications Carrier Identification	tion	Code
			Identifies the Interexchange carrier for	the	charges
			being billed		
	N104	67	Identification Code	X	AN 2/80
			Code identifying a party or other code		
			LPIC (RE-31) = IntraLATA Pre-subscription Indicator Code	)	

**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.

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

	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 withi set	n a t	ransaction
			"TCPRI"		
	SLN02	350	Assigned Identification	0	AN 1/20
			Alphanumeric characters assigned for differentiation withi	n a t	ransaction
			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	

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

M C00101 355 Unit or Basis for Measurement Code M ID 2/2
Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

EA Each

Segment: SI Service Characteristic Identification

Position: 4800

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

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

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 Element	<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	
			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: 5350

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use: 1

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

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

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 Gammary		
	Ref.	Data			
	Des.	<b>Element</b>	<u>Name</u>		
	<b>Attributes</b>				
M	N101	98	Entity Identifier Code N	4	ID 2/3
			Code identifying an organizational entity, a physical location an individual	1, p	property or
			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

			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 Transact specified by the Reference Identification Qualifier	ion S	Set or as
			TCID (RE-38a) = Transfer of Calls to Identifier		
	REF03	352	<b>Description</b> A free-form description to clarify the related data elements content	<b>X</b> s and	AN 1/80 I their
			"PRI"		

Segment: SLN Subline Item Detail

Position: 4700

Loop: SLN Optional

Level: Detail Usage: Optional

Max Use: 1

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

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

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

If either SLN09 or SLN10 is present, then the other is required.
If either SLN11 or SLN12 is present, then the other is required.
If either SLN13 or SLN14 is present, then the other is required.
If either SLN15 or SLN16 is present, then the other is required.
If either SLN17 or SLN18 is present, then the other is required.
If either SLN19 or SLN20 is present, then the other is required.
If either SLN21 or SLN22 is present, then the other is required.

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>	Data Element	Name		
	Attributes	Liement	Name		
M	SLN01	350	<b>Assigned Identification</b> Alphanumeric characters assigned for differentiation withis et	<b>M</b> nat	AN 1/20 ransaction
			"TCSEC"		
	SLN02	SLN02 350	Assigned Identification Alphanumeric characters assigned for differentiation withiset	<b>O</b> n a t	AN 1/20 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 M ID 2/2
Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

EA Each

Segment: SI Service Characteristic Identification

Position: 4800

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To specify service characteristic data

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

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 (RE-39)

	Ref.	Data			
	Des.	<b>Element</b>	<u>Name</u>		
	<u>Attributes</u>				
M	SI01	559	Agency Qualifier Code	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2
			Code from an industry code list qualifying the type of service 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

Segment: N1 Name

Position: 5350

Loop: N1 Optional

Level: Detail
Usage: Optional

Max Use: 1

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

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

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

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)

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	Name		
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location an individual	<b>M</b> on, p	ID 2/3 property or
	N102	93	TT Transfer To  Name Free-form name TC NAME (RE-42) = Transfer of Calls to Name	X	AN 1/60

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

			Data Liement Summary		
	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	Χ	AN 1/30
			Reference information as defined for a particular Transacti specified by the Reference Identification Qualifier	on S	et or as
			TCID (RE-41) = Transfer of Calls to Identifier		
	REF03	352	Description	Χ	AN 1/80
			A free-form description to clarify the related data elements	and	their
			content		
			"SEC"		

Segment: SLN Subline Item Detail

Position: 4700

Loop: SLN Optional

Level: Detail Usage: Optional

Max Use:

**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.

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.	<b>Element</b>	<u>Name</u>		
	<u>Attributes</u>				
M	SLN01	350	Assigned Identification	М	AN 1/20
			Alphanumeric characters assigned for differentiation withi	n a t	ransaction
			set		
			"BL"		
	SLN02	350	Assigned Identification	0	AN 1/20
			Alphanumeric characters assigned for differentiation withi	n a t	ransaction
			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 Figures Appendix for examples of use)

M C00101 355 Unit or Basis for Measurement Code M ID 2/2
Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

EA Each

Segment: SI Service Characteristic Identification

Position: 4800

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To specify service characteristic data

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

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.	<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 servi	ice	
			characteristics		
			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	Χ	AN 2/2
			Code from an industry code list qualifying the type of servi	ice	
			characteristics		
			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.

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

	Ref.	Data			
	Des.	<b>Element</b>	<u>Name</u>		
	<u>Attributes</u>				
M	SLN01	350	Assigned Identification	М	AN 1/20
			Alphanumeric characters assigned for differentiation withi set	n a t	ransaction
			"FA"		
	SLN02	350	Assigned Identification	0	AN 1/20
			Alphanumeric characters assigned for differentiation withi	n a t	ransaction
			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	Χ	

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

M C00101 355 Unit or Basis for Measurement Code M ID 2/2
Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

EA Each

Segment: SI Service Characteristic Identification

Position: 4800

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To specify service characteristic data

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

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> <u>Attributes</u>	Data <u>Element</u>	<u>Name</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	М	AN 2/2
			Code from an industry code list qualifying the type of serv characteristics	ice	
			FD Feature Detail		
			SA Service Activity Code		
М	SI03	234	Product/Service ID	М	AN 1/48
			Identifying number for a product or service		
			FA (RE-58) = Feature Activity  A = (DWS : N - Add)  CF = (DWS : C - Change (old values))  D = (DWS : D - Disconnect)  V = (DWS : V - Conversion As Specified)  CT = (DWS : T - Change (new values))		
	010.4	4000	FEATURE DETAIL (RE-60) = Feature Detail	v	A N.I. 0/0
	SI04	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of serv characteristics SC Service Category Code	<b>X</b> ice	AN 2/2
	SI05	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
			FEATURE (RE-59) = Feature Codes		

Segment: PO1 Baseline Item Data - DL Form (Delivery

Address/Information Section)

Position: 0100

Loop: PO1 Mandatory

Level: Detail Usage: Mandatory

Max Use: 1

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

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

If PO105 is present, then PO104 is required.
If either PO106 or PO107 is present, then the other is re

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\*DA [PO1 Loop repeats DDQTY (DL-23) times]

		Data Element Summary		
Ref.	Data			
Des.	<b>Element</b>	Name		
Attributes				
	250	Assigned Identification	_	AN 4/20
PO101	350	Assigned Identification	0	AN 1/20
		Alphanumeric characters assigned for differentiation within	n a ti	ansaction
		set		
		"n" = nth assigned ID within PO1 loop		
PO102	330	Quantity Ordered	Χ	R 1/15
		Quantity ordered		
		1 Always One		
PO103	355	Unit or Basis for Measurement Code	0	ID 2/2
		Code specifying the units in which a value is being expres	sed.	or
		manner in which a measurement has been taken	,	
		EA Each		
DO406	225		X	ID 2/2
PO106	235	Product/Service ID Qualifier		
		Code identifying the type/source of the descriptive numbe	r use	ed in
		Product/Service ID (234)		
		ZZ Mutually Defined		
PO107	234	Product/Service ID	Χ	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.

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>		
	<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	M	AN 2/2
			Code from an industry code list qualifying the type of service characteristics	rice	
			AD Address Activity		
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
			DACT (DL-81) = Delivery Activity		

Segment: QTY Quantity

Position: 2930

**Loop:** QTY Optional

Level: Detail Usage: Optional

Max Use: 1

**Purpose:** To specify quantity information

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

2 Only one of QTY02 or QTY04 may be present.

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

Comments:

Notes: QTY\*31\*DIRQTYA (DL-103)\*DY QTY\*38\*DIRQTYNC (DL-104)\*DY

**Data Element Summary** 

		Data Element Summary		
Ref.	Data			
Des.	<b>Element</b>	<u>Name</u>		
<b>Attributes</b>				
QTY01	673	Quantity Qualifier	M	ID 2/2
		Code specifying the type of quantity		
		31 Additional Demand Quantity		
		38 Original Quantity		
QTY02	380	Quantity	Χ	R 1/15
		Numeric value of quantity		
		DIRQTYA (DL-103) = Number of Directories for Annual D	eliver	у
		DIRQTYNC (DL-104) = Number of Directories Delivered o	n Nev	N
		Connect		
QTY03	C001	Composite Unit of Measure	0	
		To identify a composite unit of measure (See Figures Ap	pend	lix for
		examples of use)		
C00101	355	Unit or Basis for Measurement Code	M	ID 2/2
		Code specifying the units in which a value is being expre	ssed	, or
		manner in which a measurement has been taken		
		DY Directory Books		
	Des. Attributes QTY01 QTY02	Des. Element Attributes QTY01 673  QTY02 380  QTY03 C001	Ref. Data Des. Element Attributes  QTY01 673 Quantity Qualifier Code specifying the type of quantity 31 Additional Demand Quantity 38 Original Quantity Numeric value of quantity DIRQTYA (DL-103) = Number of Directories for Annual Deput DIRQTYNC (DL-104) = Number of Directories Delivered of Connect  QTY03 C001 Composite Unit of Measure To identify a composite unit of measure (See Figures Appearance) examples of use)  C00101 355 Unit or Basis for Measurement Code Code specifying the units in which a value is being expression and the control of the control o	Des.   Attributes   Attributes   G73   Quantity Qualifier   Code specifying the type of quantity   31   Additional Demand Quantity   38   Original Quantity   X   Numeric value of quantity   DIRQTYA (DL-103) = Number of Directories for Annual Deliver   DIRQTYNC (DL-104) = Number of Directories Delivered on New Connect   QTY03   C001   Composite Unit of Measure   O   To identify a composite unit of measure (See Figures Appendix examples of use)   Unit or Basis for Measurement Code   M   Code specifying the units in which a value is being expressed manner in which a measurement has been taken

Number of directory books delivered to customer

Segment: N1 Name

Position: 3500

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use:

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

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

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

**Semantic Notes:** 

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

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

transaction processing party.

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

Notes: N1\*DA\*DELNAME

			Data Licincin	Outilitial y		
	Ref.	Data		•		
	Des.	<b>Element</b>	<u>Name</u>			
	<u>Attributes</u>					
M	N101	98	<b>Entity Identifier</b>	Code	M	ID 2/3
			Code identifying a an individual	an organizational entity, a physical locat	ion,	property or
			DA	Delivery Address		
	N102	93	Name		X	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** 

ZIP (DL-100) = ZIP/Postal Code

Ref.	Data			
Des.	<b>Element</b>	<u>Name</u>		
<b>Attributes</b>				
N402	156	State or Province Code	X	ID 2/2
		Code (Standard State/Province) as defined by appropriate	gov	ernment
		agency		
		STATE (DL-99) = State/Province		
N403	116	Postal Code	0	ID 3/15
		Code defining international postal zone code excluding publanks (zip code for United States)	nctu	ation and

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\*DDANO (DL-85) NX2\*02\*DDASN (DL-88) NX2\*03\*DDASD (DL-87)

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**

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

M	NX201	1106	Address Component Qualifier	M	ID 2/2
			Code qualifying the type of address component		

01	Street Number
02	Street Name
03	Prefix Direction
07	City Name
10	Unetructured Ma

18 Unstructured Mailing Address

40 Street Suffix 59 Street Number Low 61 Street Number Fraction 62 Street Name Suffix

M NX202 166 Address Information M AN 1/55

Address information

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

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

CITY (DL-98) = City

DDALO (DL-90a) = Delivery Address Location

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

DDAPR (DL-84) = Delivery Address Number Prefix DDASF (DL-86) = Delivery Address Number Suffix DDATH (DL-89) = Delivery Address Street Type

Segment:   Baseline item Data - DL Form (Service Details Section	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:** 

**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]

#### **Data Element Summary**

Ref.	Data	·					
Des.	<b>Element</b>	<u>Name</u>					
<b>Attributes</b>							
PO101	350	Assigned Identification	0	AN 1/20			
		Alphanumeric characters assigned for differentiation within set	ı a tr	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 expressed, or					
		manner in which a measurement has been taken					
		EA Each					
PO106	235	Product/Service ID Qualifier	X	ID 2/2			
		Code identifying the type/source of the descriptive number	r use	ed in			
		Product/Service ID (234)					
		ZZ Mutually Defined					
PO107	234	Product/Service ID	X	AN 1/48			
		Identifying number for a product or service					
		"DL"	.,	ID 0/0			
PO108	235	Product/Service ID Qualifier	X	ID 2/2			
		Code identifying the type/source of the descriptive number	r use	ea 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

SI Service Characteristic Identification Segment:

0180 Position:

PO1 Loop: Mandatory

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. 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\*LB\*LACT (DL-10)

SI\*TI\*LE\*LTY (DL-13) SI\*TI\*TW\*STYC (DL-15) SI\*TI\*BR\*TOA (DL-16) SI\*TI\*DG\*DOI (DL-17) SI\*TI\*DN\*DIRNAME (DL-34) SI\*TI\*BO\*BRO (DL-28)

## **Data Element Summary**

	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>			
	<b>Attributes</b>					
М	SI01	559	<b>Agency Quali</b>	fier Code	M	ID 2/2
			Code identifyin	g the agency assigning the code values		
			TI	Telecommunications Industry		
M	SI02	1000	Service Chara	acteristics Qualifier	M	AN 2/2
			Code from an	industry code list qualifying the type of ser	vice	
			characteristics	i e		
			во	Business/Residence Placement Ove	rride	
			BR	Directory Listing Type of Account		
			DG	Degree of Indent		
			DN	Directory Book Name		
			LB	Listing Activity Indicator (LACT)		
			LE	Listing Type		
			TW	Style Code		
M	SI03	234	Product/Serv	ice ID	M	AN 1/48
Identifying number for				nber for a product or service		
	LACT (DL-10) = Listing Activity Indicator					

LTY (DL-13) = Listing Type STYC (DL-15) = Style Code TOA (DL-16) = Type of Account DOI (DL-17) = Degree of Indent DIRNAME (DL-34) = Directory Name

BRO (DL-28) = Business/Residence Placement Override

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.
If PID09 is present, then PID05 is required.

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

being referred to.

2 PID04 should be used for industry-specific product description

codes.

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

indeterminate.

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

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

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

used.

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

being described in the segment.

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

PID03.

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

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

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	Name		
M	PID01	349	Item Description Type	M	ID 1/1
			Code indicating the format of a description S Structured (From Industry Code List	)	
	PID03	559	Agency Qualifier Code	×	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
	PID04	751	Product Description Code	X	AN 1/12
			A code from an industry code list which provides specifi product characteristic	c data	about a
			AR Omit Telephone Number		
			AS Listed Name Placement		
			AT Address Indicator		
			AW Direct Mail List		
			AX No Solicitation Indicator		
			AY Telemarketing		

Professional Identifier ВА PID07 822 O AN 1/15 Source Subqualifier 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 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.

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

Comments:

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

**Data Element Summary** 

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

specified by the Reference Identification Qualifier

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

Segment: **N9** Reference Identification

Position: 3300

Loop: N9 Optional

Level: Detail Usage: Optional

Max Use:

**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

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

Attributes

M N901 128 Reference Identification Qualifier M ID 2/3

Code qualifying the Reference Identification

82 Data Item Description (DID) Reference

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

requirement documents

N902 127 Reference Identification X AN 1/30

Reference information as defined for a particular Transaction Set or as

specified by the Reference Identification Qualifier

"PLA"

MTX Text Segment:

Position: 3400

> Loop: N9 Optional

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

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

then MTX05 is required.

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

**Data Element Summary** 

Ref. Data

Des. **Element Name** 

**Attributes** 

MTX02 1551 **Message Text** Χ 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)

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>		
М	N901	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			82 Data Item Description (DID) Reference	<b>;</b>	
			Specific data elements that the govern	ımer	nt will ask
			a contractor to provide and are spelled	lout	in specific
			requirement documents		
	N902	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transacti specified by the Reference Identification Qualifier	on S	Set or as
			"LTXTY"		
	N903	369	Free-form Description	Χ	AN 1/45
			Free-form descriptive text		
			LTXTY (DL-57) = Listing Text Type		

Segment: MTX Text

Position: 3400

Loop: N9 Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify textual data

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

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

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

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

then MTX05 is required.

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

**Data Element Summary** 

Ref. Data

Des. Element Name

**Attributes** 

MTX02 1551 Message Text X AN 1/4096

To transmit large volumes of message text

LTEXT (DL-59) = Line of Text

Segment: N9 Reference Identification

Position: 3300

Loop: N9 Optional

Level: Detail Usage: Optional

Max Use: 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 Element Summary		
	Ref.	Data			
	Des.	<b>Element</b>	<u>Name</u>		
	<b>Attributes</b>				
M	N901	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			H7 Standard Clause		
	N902	127	Reference Identification	Χ	AN 1/30
			Reference information as defined for a particular Transa specified by the Reference Identification Qualifier	ction (	Set or as
	Noos		ORI Order Instructions	.,	A S. I. 4 / 4 E
	N903	369	Free-form Description Free-form descriptive text	Х	AN 1/45
			"DL"		

MTX Text Segment:

Position: 3400

> Loop: N9 Optional

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

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

then MTX05 is required.

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

**Data Element Summary** 

Ref. Data

Des. **Element Name** 

**Attributes** 

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

To transmit large volumes of message text

REMARKS (DL-113) = Remarks

Segment: N1 Name

Position: 3500

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use: 1

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

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

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

**Semantic Notes:** 

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

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

transaction processing party.

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

Notes: N1\*DH\*LISTINGS

			Data Element	Summary		
	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>			
	<u>Attributes</u>					
M	N101	98	<b>Entity Identifier (</b>	Code	M	ID 2/3
			Code identifying a an individual	n organizational entity, a physical locati	on, <sub> </sub>	property or
			DH	Doing Business As		
	N102	93	Name		Χ	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:

Ref.

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

Data

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\*18\*NICK (DL-54)

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

M IN201 1104 Name Component Qualifier M ID 2/2  Code identifying the type of name component  O1 Prefix O2 First Name O5 Last Name 10 Generation 12 Combined (Unstructured) Name 18 Preferred First Name or Nickname 21 Professional Title  M IN202 93 Name  Every form name  LNLN (DL-45) = Listed Name Last LNFN (DL-46) = Listed Name First DES (DL-47) = Designation TL (DL-48) = Title of Lineage TITLE1 (DL-49) = Title of Address 1 NICK (DL-50a) = Designation for Dual Name							
M IN201 1104 Name Component Qualifier			<u>Element</u>	<u>Name</u>			
Code identifying the type of name component  O1 Prefix  O2 First Name  O5 Last Name  10 Generation  12 Combined (Unstructured) Name  18 Preferred First Name or Nickname  21 Professional Title  M IN202 93 Name  Free-form name  LNLN (DL-45) = Listed Name Last  LNFN (DL-46) = Listed Name First  DES (DL-47) = Designation  TL (DL-48) = Title of Lineage  TITLE1 (DL-49) = Title of Address 1  NICK (DL-54) = Nickname							
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 LNLN (DL-45) = Listed Name Last LNFN (DL-46) = Listed Name First DES (DL-47) = Designation TL (DL-48) = Title of Lineage TITLE1 (DL-49) = Title of Address 1 NICK (DL-54) = Nickname	М	IN201	1104	•		M	ID 2/2
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 LNLN (DL-45) = Listed Name Last LNFN (DL-46) = Listed Name First DES (DL-47) = Designation TL (DL-48) = Title of Lineage TITLE1 (DL-49) = Title of Address 1 NICK (DL-54) = Nickname				Code identifying the	ne type of name component		
M IN202 93 Name Preferred First Name or Nickname LNLN (DL-45) = Listed Name First DES (DL-47) = Designation TL (DL-48) = Title of Address 1 NICK (DL-54) = Nickname  Name Last Name Preferred First Name or Nickname Professional Title M AN 1/60  M AN 1/60				• •			
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 LNLN (DL-45) = Listed Name Last LNFN (DL-46) = Listed Name First DES (DL-47) = Designation TL (DL-48) = Title of Lineage TITLE1 (DL-49) = Title of Address 1 NICK (DL-54) = Nickname				02	First Name		
12 Combined (Unstructured) Name 18 Preferred First Name or Nickname 21 Professional Title  M IN202 93 Name M AN 1/60  Free-form name LNLN (DL-45) = Listed Name Last LNFN (DL-46) = Listed Name First DES (DL-47) = Designation TL (DL-48) = Title of Lineage TITLE1 (DL-49) = Title of Address 1 NICK (DL-54) = Nickname				• •	Last Name		
M IN202 93 Name M AN 1/60  Free-form name LNLN (DL-45) = Listed Name Last LNFN (DL-46) = Listed Name First DES (DL-47) = Designation TL (DL-48) = Title of Lineage TITLE1 (DL-49) = Title of Address 1 NICK (DL-54) = Nickname				10			
M IN202 93 Name M AN 1/60  Free-form name  LNLN (DL-45) = Listed Name Last  LNFN (DL-46) = Listed Name First  DES (DL-47) = Designation  TL (DL-48) = Title of Lineage  TITLE1 (DL-49) = Title of Address 1  NICK (DL-54) = Nickname				12	,		
M IN202 93 Name Free-form name LNLN (DL-45) = Listed Name Last LNFN (DL-46) = Listed Name First DES (DL-47) = Designation TL (DL-48) = Title of Lineage TITLE1 (DL-49) = Title of Address 1 NICK (DL-54) = Nickname				18	Preferred First Name or Nickname		
Free-form name LNLN (DL-45) = Listed Name Last LNFN (DL-46) = Listed Name First DES (DL-47) = Designation TL (DL-48) = Title of Lineage TITLE1 (DL-49) = Title of Address 1 NICK (DL-54) = Nickname				21	Professional Title		
LNLN (DL-45) = Listed Name Last LNFN (DL-46) = Listed Name First DES (DL-47) = Designation TL (DL-48) = Title of Lineage TITLE1 (DL-49) = Title of Address 1 NICK (DL-54) = Nickname	M	IN202	93	Name		М	AN 1/60
LNFN (DL-46) = Listed Name First DES (DL-47) = Designation TL (DL-48) = Title of Lineage TITLE1 (DL-49) = Title of Address 1 NICK (DL-54) = Nickname				Free-form name			
DES (DL-47) = Designation TL (DL-48) = Title of Lineage TITLE1 (DL-49) = Title of Address 1 NICK (DL-54) = Nickname							
TL (DL-48) = Title of Lineage TITLE1 (DL-49) = Title of Address 1 NICK (DL-54) = Nickname				LNFN (DL-46) = L	isted Name First		
TITLE1 (DL-49) = Title of Address 1 NICK (DL-54) = Nickname				DES (DL-47) = De	esignation		
NICK (DL-54) = Nickname				TL (DL-48) = Title	of Lineage		
				TITLE1 (DL-49) =	Title of Address 1		
DESD (DL-50a) = Designation for Dual Name				NICK (DL-54) = N	ickname		
				DESD (DL-50a) =	Designation for Dual Name		
TLD (DL-51) = Title of Lineage for Dual Name				TLD (DL-51) = Title	e of Lineage for Dual Name		
TITLE1D (DL-52) = Title of Address 1 for Dual Name				TITLE1D (DL-52) =	= Title of Address 1 for Dual Name		
IN203 93 Name O AN 1/60		IN203	93	Name		0	AN 1/60
Free-form name				Free-form name			
LNFN (DL-46) = Listed Name First				LNFN (DL-46) = L	isted Name First		
				, ,			
"TL"				"TL"			
"TITLE1"				"TITLE1"			
"DESD"				"DESD"			
"TLD"				"TLD"			
"TITLE1D"				"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.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\*\*LAST (DL-71)

**Data Element Summary** 

Ref. Data

Des. Element Name

**Attributes** 

N402 156 State or Province Code X ID 2/2

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

agency

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

Segment: NX2 Location ID Component

Position: 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:

mments: Notes:

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

# **Data Element Summary**

Ref. Data

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

Attributes

М NX201 1106 **Address Component Qualifier** M ID 2/2 Code qualifying the type of address component 01 Street Number 02 Street Name 03 Prefix Direction 07 City Name 18 **Unstructured Mailing Address** 40 Street Suffix 59 Street Number Low 61 Street Number Fraction 62 Street Name Suffix М NX202 166 **Address Information** AN 1/55

Address information

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

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

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

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

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

Position: 4050

Loop: N1 Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To specify service characteristic data

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

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

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

**Semantic Notes:** 

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

qualifiers.

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

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

Ref.	Data			
Des.	<u>Element</u>	<u>Name</u>		
<u>Attributes</u>				
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	М	AN 2/2
		Code from an industry code list qualifying the type of servi	ice	
		characteristics		
		NS Non-Standard Telephone Number		
		TN Telephone Number		
SI03	234	Product/Service ID	М	AN 1/48
		Identifying number for a product or service		
		LTN (DL-39) = Listed Telephone Number		
		NSTN (DL-40) = Non Standard Telephone Number		
	Attributes SI01 SI02	Des. Element Attributes SI01 559 SI02 1000	Des.   Attributes     SI01   559   Agency Qualifier Code     Code identifying the agency assigning the code values     T	Des.   Attributes   SI01   559   Agency Qualifier Code   M   Code identifying the agency assigning the code values   TI   Telecommunications Industry   Telecommunications Industry   SI02   1000   Service Characteristics Qualifier   M   Code from an industry code list qualifying the type of service characteristics   NS   Non-Standard Telephone Number   TN   Telephone Number   TN   Telephone Number   M   Identifying number for a product or service   LTN (DL-39) = Listed Telephone Number   LTN (DL-39)   SI03   Telephone Number   TN   TELephone Number

Segment: PO1 Baseline Item Data - DUMMY

Position: 0100

Loop: PO1 Mandatory

Level: Detail
Usage: Mandatory

Max Use: 1

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

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

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

		Data Elomont Gammary		
Ref.	Data			
Des.	<b>Element</b>	Name		
	Licinom	<u>Hume</u>		
<u>Attributes</u>			_	
PO101	350	Assigned Identification	0	AN 1/20
		Alphanumeric characters assigned for differentiation within	n a tr	ansaction
		set		
		"DUMMY"		
PO102	330	Quantity Ordered	Χ	R 1/15
		Quantity ordered		
		1 Always One		
PO103	355	Unit or Basis for Measurement Code	0	ID 2/2
		Code specifying the units in which a value is being expres	sed.	or
		manner in which a measurement has been taken	,	
		EA Each		
PO106	235	Product/Service ID Qualifier	X	ID 2/2
PO 100	233		•	,_
		Code identifying the type/source of the descriptive numbe	r use	ed in
		Product/Service ID (234)		
		ZZ Mutually Defined		
PO107	234	Product/Service ID	Χ	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:

Updated: January 21, 2002

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

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

	Ref.	Data	Data Element Gammary		
	IVEI.				
	Des.	<u>Element</u>	<u>Name</u>		
	<b>Attributes</b>				
M	SE01	96	Number of Included Segments	M	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 860UPIT service request will be used by the Co-Provider to initiate a supplemental service request for UPIT to Qwest.

This implementation guideline references the following:

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

#### Notes:

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

# **Heading:**

Updated: January 21, 2002

	Pos. <u>No.</u>	Seg. <u>ID</u>	<u>Name</u>	Req. <u>Des</u> .	Max.Use	Loop Notes and RepeatComments
M	0100	ST	Transaction Set Header	М	1	
M	0200	BCH	Beginning Segment for Purchase Order Change	М	1	
	0500	REF	Reference Identification	0	>1	
	0950	PAM	Period Amount	Ο	10	
			LOOP ID - SAC			25
	1200	SAC	Service, Promotion, Allowance, or Charge Information	0	1	
	1500	DTM	Date/Time Reference	Ο	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 - N1			200
3400	N1	Name	0	1	
3700	N4	Geographic Location	0	1	
3750	NX2	Location ID Component	0	>1	
3950	SI	Service Characteristic Identification	0	>1	
		LOOP ID - POC			>1
0100	POC	Line Item Change - End User Form	0	1	
		(Disconnect Information Section)			
0180	SI	Service Characteristic Identification	0	>1	
1000	REF	Reference Identification	0	>1	
2000	DTM	Date/Time Reference	0	10	
		LOOP ID - SLN			>1
4600	SLN	Subline Item Detail	0	1	
4700	SI	Service Characteristic Identification	0	>1	
		LOOP ID - N1			10
5360	N1	Name	0	1	
5700	REF	Reference Identification	0	12	
		LOOP ID - SLN			>1
4600	SLN	Subline Item Detail	0	1	
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	Detail Section) Service Characteristic Identification	0	>1	
0100	Oi	LOOP ID - PID			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			200

3400	N1	Name	0	1		
		LOOP ID - N1			200	
3400	N1	Name	0	1		
		LOOP ID - SLN			>1	
4600	SLN	Subline Item Detail	0	1	, ,	
4700	SI	Service Characteristic Identification	0	>1		
		LOOP ID - N1			10	
5360	N1	Name	0	1		
5700	REF	Reference Identification	0	12		
		LOOP ID - SLN			>1	
4600	SLN	Subline Item Detail	0	1		
4700	SI	Service Characteristic Identification	0	>1		
		LOOP ID - N1			10	
5360	N1	Name	0	1		
5700	REF	Reference Identification	0	12		
		LOOP ID - SLN			>1	
4600	SLN	Subline Item Detail	0	1		
4700	SI	Service Characteristic Identification	0	>1		
		LOOP ID - SLN			>1	
4600	SLN	Subline Item Detail	0	1		
4700	SI	Service Characteristic Identification	0	>1		
		LOOP ID - POC			>1	
0100	POC	Line Item Change - DL Form (Delivery	0	1		
		Address/Information Section)	-			
0180	SI	Service Characteristic Identification  LOOP ID - QTY	0	>1	<b>.</b> 1	
2930	QTY	Quantity	0	1	>1	
2930	QII			'		
0.400	NIA	LOOP ID - N1		4	200	
3400	N1	Name	0	1		
3700	N4 NV2	Geographic Location	0	1 >1		
3750	NX2	Location ID Component		<i>&gt;</i> 1		
		LOOP ID - POC			>1	
0100	POC	Line Item Change - DL Form (Service Details Section)	0	1		
0180	SI	Service Characteristic Identification	0	>1		
		LOOP ID - PID			1000	
0500	PID	Product/Item Description	0	1		
1000	REF	Reference Identification	0	>1		
		LOOP ID - N9			1000	
3200	N9	Reference Identification	0	1		
3260	MTX	Text	0	>1		
		LOOP ID - N9			1000	
3200	N9	Reference Identification	0	1		
3260	MTX	Text	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		
3550	IN2	Individual Name Structure Components	0	>1		
3700	N4	Geographic Location	0	1		
3750	NX2	Location ID Component	0	>1		
3950	SI	Service Characteristic Identification	0	>1		

# **Summary:**

	Pos. <u>No.</u>	Seg. <u>ID</u>	<u>Name</u>	Req. <u>Des</u> .	Max.Use	Loop Notes and RepeatComments		
			LOOP ID - CTT			1		
	0100	CTT	Transaction Totals	0	1	n1		
M	0300	SE	Transaction Set Trailer	M	1			

# **Transaction Set Notes**

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

Segment: **ST** Transaction Set Header

Position: 0100

Loop:

Level: Heading Usage: Mandatory

Max Use: 1

Purpose:

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

Syntax Notes: Semantic Notes:

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

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

Comments:

Notes: ST\*860\*TRAN SET CONTROL #

			Dala Eleli	nent Summary		
	Ref.	Data				
	Des.	<u>Element</u>	<u>Name</u>			
	<u>Attributes</u>					
M	ST01	143	Transaction	Set Identifier Code	М	ID 3/3
			Code unique	ly identifying a Transaction Set		
			860	Purchase Order Change Request	- Buyer	Initiated
M	ST02	329	Transaction	Set Control Number	М	AN 4/9
			Identifying co			

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. Des.	Data <u>Element</u>	Name		
М	Attributes 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 = (DSW: 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
	DOLLOG	070	VER (LSR-3) = Version Identification		DT 0/0
М	BCH06	373	Date	M	DT 8/8
			Date expressed as CCYYMMDD		
			PO Date = Purchase Order Date (See Trading Partner Ad Information)	cess	3

Segment: REF Reference Identification

Position: 0500

Loop:

Level: Heading Usage: Optional Max Use: >1

**Purpose:** To specify identifying information

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

If either C04003 or C04004 is present, then the other is required.
If either C04005 or C04006 is present, then the other is required.
REF04 contains data relating to the value cited in REF02.

Semantic Notes:

Comments:

Ref

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

Data

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 REF\*AO\*APT CON (LSR-15a)

#### **Data Element Summary**

	Rei.	Dala				
	Des.	<b>Element</b>	<u>Name</u>			
	<b>Attributes</b>					
M	REF01	128	Reference Identi	fication Qualifier	М	ID 2/3
			Code qualifying the	e Reference Identification		
			11	Account Number		
				Number identifies a telecommunicati account	ons i	ndustry
			12	Billing Account		
				Account number under which billing i	s ren	dered
			1V	Related Vendor Order Number		
				A vendor's order number that is in ad primary order number	dition	to a
			AO	Appointment Number		
			CO	Customer Order Number		
			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	X	AN 1/30

AN (LSR-7) = Account Number

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

specified by the Reference Identification Qualifier

Reference information as defined for a particular Transaction Set or as

RORD (LSR-52) = Related Order Number

BAN1 (LSR-61) = Billing Account Number 1 ORD (RE-6) = Order Number APT CON (LSR-15a) = Appointment Confirmation REF03 352 Description Χ AN 1/80 A free-form description to clarify the related data elements and their content "AN" "RTR" "RPON" "RORD" "BAN1" "ORD"

Segment: PAM Period Amount

Position: 0950

Loop:

Level: Heading Usage: Optional Max Use: 10

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

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

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

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

required.

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

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

required.

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

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

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

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

"N" indicates amount is a net value.

**Comments:** 

Notes: PAM\*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

KC

QO

#### **Data Element Summary**

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

PAM01 673 Quantity Qualifier

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

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

have been made Operating Quantity

Net Quantity Decrease

PAM02 380 Quantity X R 1/15

Numeric value of quantity

First 2 bytes of PG\_of\_ (LSR-10) Second 2 bytes of PG\_of\_ (LSR-10) DQTY (EU-5) = Disconnect Quantity RSQTY (RE-5) = Resale Quantity

DDQTY (DL-23) = Number of Delivery Segments

PAM03 C001 Composite Unit of Measure X

X ID 2/2

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

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

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

EA Each

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

Position: 1200

Loop: SAC Optional

Level: Heading Optional

Max Use: 1

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

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

or charge

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

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

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

**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.

If SAC16 is present, then SAC15 is required.
 If SAC01 is "A" or "C" then at least one of SAC05, SAC

Semantic Notes: 1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.

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

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

3 SAC08 is the allowance or charge rate per unit.

**4** SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.

SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.

**5** SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.

**6** SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.

7 SAC16 is used to identify the language being used in SAC15.

Comments:

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	r Code	X	ID 2/2	
		Code identifying the	ne agency assigning the code values			
		Π	Telecommunications Industry			
SAC04	1301	Agency Service, Code	Promotion, Allowance, or Charge	X	AN 1/10	
		Agency maintaine	d code identifying the service, promotion	on, al	lowance,	
		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			

**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\*150\*DDD{CCYYMMDD} (LSR-14)\*\*\*TM/RTM\*APPTIME

> > {HHMM[-HHMM]} (LSR-15)

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

DTM\*270\*DATED{CCYYMMDD} (LSR-36)

# **Data Element Summary**

			Dutu	Lioinoin Gainna, y		
	Ref.	Data				
	Des.	<u>Element</u>	<u>Name</u>			
	<u>Attributes</u>					
М	DTM01	374	Date/Ti	me Qualifier	М	ID 3/3
			Code sp	pecifying type of date or time, or both date and time	1e	
			097	Transaction Creation		
			150	Service Period Start		
			270	Date Filed		
	DTM02	373	Date		X	DT 8/8
			Date ex	pressed as CCYYMMDD		
			D/TSEN	IT (LSR-12) = Date Sent		
			DDD (L	SR-14) = Desired Due Date		
			DATED	(LSR-36) = Date of Agency Authorization		
	DTM03	337	Time		X	TM 4/8
				, M =	HMMSS, = minutes ids;	

decimal seconds are expressed as follows: D = tenths (0-9) and DD =

hundredths (00-99)

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

#### 1250 **Date Time Period Format Qualifier** Χ ID 2/3

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

**RTM** Range of Time Expressed in Format HHMM-HHMM

> A range of times expressed in the form HHMM-HHMM where HH is the numerical expression of hours in the day based on a twenty-four hour clock and MM is the numerical expression of minutes within an hour; the first occurrence of HHMM is the starting time and the second is the ending time

TM Time Expressed in Format HHMM

> Time expressed in the format HHMM where HH is the numerical expression of hours in the day based on a twenty-four hour clock and MM is the numerical

**DTM05** 

expression of minutes within an hour

# DTM06 1251 Date Time Period

X AN 1/35

Expression of a date, a time, or range of dates, times or dates and times  $% \left( 1\right) =\left( 1\right) \left( 1\right)$ 

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

Segment: SI Service Characteristic Identification

Position: 1850

Loop:

Level: Heading
Usage: Optional
Max Use: >1

**Purpose:** To specify service characteristic data

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

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\*TY\*TOS (LSR-44) SI\*TI\*SS\*SPEC (LSR-45)

#### **Data Element Summary**

	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>			
	<b>Attributes</b>					
M	SI01	559	<b>Agency Qualifier</b>	Code	M	ID 2/2
			Code identifying th	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 Code		
			RE	Requisition Type and Status		
			SS	Service Sub-catagory Code		
			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 - Conversion as Specified) W = (DWS : W - Conversion As Is)

T = (DWS : W - Conversion As is)T = (DWS : T - Outside Move (T/F))

Z = (DWS : Z - Conversion as specified/no listing)

REQTYP (LSR-23) = Requisition Type and Status

TOS (LSR-44) = Type of Service

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

PID Product/Item Description Segment:

1900 Position:

Loop:

Level: Heading Usage: Optional Max Use: 200

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

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

At least one of PID04 or PID05 is required. 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.

Use PID03 to indicate the organization that publishes the code list

**Semantic Notes:** 

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\*AO\*\*\*SO-RSQ\*AGAUTH (LSR-35) Notes:

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

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

			Data Lioinioni			
	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>			
	<b>Attributes</b>					
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	<b>Agency Qualifie</b>	r Code	X	ID 2/2
			Code identifying t	he agency assigning the code values		
			TI	Telecommunications Industry		
	PID04	751	Product Description Code		X	AN 1/12
			A code from an ir product character	ndustry code list which provides specific ristic	: data	about a
			AO	Agency Authorization Status		
			ВІ	Final Bill Information Indicator		
			PENDING	Pending Order		
	PID07	822	Source Subqua	lifier	0	AN 1/15
			A reference that i Qualifier	the /	Source	
			SO-RSQ	Service Order - Reseller Questions L	ist	

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

Code indicating a Yes or No condition or response

FBI (EU-42) = Final Bill Information Indicator

N = (DWS : E - Existing (Default))

Y = (DWS : D - Different)

AGAUTH (LSR-35) = Agency Authorization Status PENDING ORDER (LSR-108b) = Pending Order

Segment: **N9** Reference Identification

Position: 2850

Loop: N9 Optional

Level: Heading Usage: Optional

Max Use:

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

Identification Qualifier

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

2 If N906 is present, then N905 is required.

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

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

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

Comments:

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

	Ref.	Data			
	Des.	<u>Element</u>	<u>Name</u>		
B.4	Attributes	400	Deference Identification Ovalifies	B.4	ID 0/2
М	N901	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			H7 Standard Clause		
	N902	127	Reference Identification	Χ	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	Χ	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	М	ID 2/3
			Code qualifying the Reference Identification		
			2W Change Order Authority		
M	C04002	127	Reference Identification	M	AN 1/30
			Reference information as defined for a particular Transact specified by the Reference Identification Qualifier	ion S	Set or as
			MANUAL IND (LSR-108a) = Manual Indicator		

Segment: MTX Text

Position: 2900

Loop: N9 Optional

Level: Heading Usage: Optional Max Use: >1

Purpose: To specify textual data

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

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

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

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

then MTX05 is required.

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

**Data Element Summary** 

Ref. Data

Des. Element Name

**Attributes** 

MTX02 1551 Message Text X AN 1/4096

To transmit large volumes of message text

REMARKS (LSR-108) = Remarks

Segment: **N9** Reference Identification

Position: 2850

Loop: N9 Optional

Level: Heading Usage: Optional

Max Use: 1

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

Identification Qualifier

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

2 If N906 is present, then N905 is required.

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

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

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

Comments:

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

	Ref.	Data			
	Des.	<u>Element</u>	<u>Name</u>		
М	Attributes N901	128	Reference Identification Qualifier	М	ID 2/3
			Code qualifying the Reference Identification		
			H7 Standard Clause		
	N902	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transaction Specified by the Reference Identification Qualifier ORI Order Instructions	ction 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 identificati specified by the Reference Qualifier	on 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 Transac specified by the Reference Identification Qualifier	ction 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: 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\*RESALE\*\*\*\*2W>MANUAL IND (RE-60b)

			Data Licii	ioni oummary			
	Ref.	Data					
	Des.	<u>Element</u>	<u>Name</u>				
	<u>Attributes</u>						
М	N901	128	Reference I	dentification Qualifier	M	ID 2/3	
			Code qualifyi	de qualifying the Reference Identification			
			H7	Standard Clause			
	N902	127	Reference le	dentification	X	AN 1/30	
				formation as defined for a particular Tran the Reference Identification Qualifier Order Instructions	saction S	Set or as	
	N903	369	Free-form D	escription	X	AN 1/45	
			Free-form de	ee-form descriptive text			
			"RESALE"				
	N907	C040	Reference I	dentifier	0		
			specified by t	ne or more reference numbers or identific the Reference Qualifier			
М	C04001	128	Reference I	dentification Qualifier	М	ID 2/3	
			Code qualifyi	ng the Reference Identification			
			2W	Change Order Authority			
M	C04002	127	Reference le	dentification	M	AN 1/30	
			Reference in specified by t	saction S	Set or as		
			MANUAL IND				

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 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

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. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>			
M	N101	98	<b>Entity Identifier Co</b>	ode	M	ID 2/3
			Code identifying an an individual	organizational entity, a physical locat	ion,	property or
			78	Service Requester		
	N102	93	Name		X	AN 1/60

Free-form name

CCNA (LSR-1) = Customer Carrier Name Abbreviation

Segment: PER Administrative Communications Contact

Position: 3500

Loop: N1 Optional

Level: Heading Usage: Optional

Max Use: >

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

should be directed

**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:

М

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

<u>Des. Element Name</u>

Attributes

PER01 366 Contact Function Code

PER01 366 Contact Function Code M ID 2/2

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

named

AG Agent

AL Alternate Contact

Person to be contacted when the main contact is not

available

CN General Contact

PER02 93 Name O AN 1/60

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 X ID 2/2

Code identifying the type of communication number

TE Telephone

PER04 364 Communication Number X AN 1/256

Complete communications number including country or area code when

applicable

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

PER05 365 Communication Number Qualifier X ID 2/2

Code identifying the type of communication number

BN Beeper Number FX Facsimile

PER06 364 Communication Number X AN 1/256

Complete communications number including country or area code when

applicable

		FAX NO (LSR-84) = Facsimile Number PAGER (LSR-93) = Pager Number PAGER (LSR-96) = Pager Number		
PER07	365	Communication Number Qualifier	Х	ID 2/2
		Code identifying the type of communication number		
		EM Electronic Mail		
PER08	364	Communication Number	Χ	AN 1/256
		Complete communications number including country of applicable	r area	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 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\*X1\*BILLNM (EU-43)

**Data Element Summary** 

Ref. Data Des. **Element Name Attributes** М **Entity Identifier Code** N101 98 ID 2/3 Code identifying an organizational entity, a physical location, property or an individual X1 Mail to An address to which a specified item is to be mailed N102 93 Name AN 1/60 Χ

Free-form name

BILLNM (EU-43) = Bill Name

Segment: N2 Additional Name Information

Position: 3100

**Loop:** N1 Optional

Level: Heading Usage: Optional

Max Use: 2

**Purpose:** To specify additional names

Syntax Notes: Semantic Notes:

Comments:

Notes: N2\*SBILLNM (EU-44)

**Data Element Summary** 

Ref. Data

Des. Element Name

<u>Attributes</u>

M N201 93 Name M AN 1/60

Free-form name

SBILLNM (EU-44) = Secondary Billing Name

N4 Geographic Location Segment:

Position: 3300

> Loop: N1 Optional

Level: Heading Usage: Optional Max Use:

Purpose: To specify the geographic place of the named party

**Postal Code** 

**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:** 

N403

116

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

be adequate to specify a location.

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

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

**Data Element Summary** 

Ref. Data Des. **Element Name Attributes** N402 156 Χ ID 2/2 **State or Province Code** Code (Standard State/Province) as defined by appropriate government agency STATE (EU-49) = State/Province ID 3/15

Code defining international postal zone code excluding punctuation and

blanks (zip code for United States)

ZIP (EU-50) = ZIP/Postal Code

0

Segment: NX2 Location ID Component

Position: 3350

Loop: N1 Optional

Level: Heading
Usage: Optional
Max Use: >1

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

Syntax Notes: Semantic Notes: Comments:

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

NX2\*02\*SASN (EU-45e) NX2\*03\*SASD (EU-45d) NX2\*07\*CITY (EU-48) NX2\*32\*FLOOR (EU-46)

NX2\*35\*ROOM/MAIL STOP (EU-47)

NX2\*40\*SASS (EU-45g) NX2\*59\*SAPR (EU-45a) NX2\*61\*SASF (EU-45c) NX2\*62\*SATH (EU-45f)

## **Data Element Summary**

				,		
	Ref. Des.	Data <u>Element</u>	<u>Name</u>			
24	Attributes	4400	A -1 -1	O commence of Occalificati		ID 0/0
М	NX201	1106	Addres	s Component Qualifier	M	ID 2/2
			Code qu	alifying the type of address component		
			01	Street Number		
			02	Street Name		
			03	Prefix Direction		
			07	City Name		
			32	Floor		
				A particular floor or level of a building		
			35	Room		
				A walled room or partitioned area of a	buil	ding
			40	Street Suffix		
			59	Street Number Low		
			61	Street Number Fraction		

M NX202 166 Address Information M AN 1/55

Address information

62

SANO (EU-45b) = Service Address Number SASN (EU-45e) = Service Address Street Name

SASD (EU-45d) = Service Address Street Directional Prefix

Street Name Suffix

CITY (EU-48) = City FLOOR (EU-46) = Floor

ROOM/MAIL STOP (EU-47) = Room/Mail Stop

SASS (EU-45g) = Service Address Street Directional Suffix

SAPR (EU-45a) = Service Address Number Prefix SASF (EU-45c) = Service Address Number Suffix SATH (EU-45f) = Service Address Street Type Segment: 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	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	
			AF Address Format Type		
M	SI03	234	Product/Service ID	М	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.
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.

POC\*n\*RZ\*\*\*\*\*ZZ\*EU\_SA [POC Loop May Repeat]

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>		
	POC01	350	Assigned Identification	0	AN 1/20
			Alphanumeric characters assigned for differentiation within set	n a tı	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 correspor the original purchase order with the va in the Purchase Order Change Transa	alues	contained
	POC08	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number Product/Service ID (234)  ZZ Mutually Defined	r use	ed in
	POC09	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
			"EU_SA"		

SI Service Characteristic Identification Segment:

Position: 0180

POC Loop: 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. 3 If either SI08 or SI09 is present, then the other is required. If either SI10 or SI11 is present, then the other is required. If either SI12 or SI13 is present, then the other is required. If either SI14 or SI15 is present, then the other is required. If either SI16 or SI17 is present, then the other is required.

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

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

**Semantic Notes:** 

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

qualifiers.

Notes: SI\*TI\*OP\*WSOP (EU-31)\*TN\*WSOP TEL NO (EU-31a)

	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 servic characteristics	се	
			OP Working Service on Premises		
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	X	AN 2/2
			Code from an industry code list qualifying the type of servic characteristics	се	
			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	Tele	phone

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:

**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)

Ref.	Data			
Des.	<b>Element</b>	<u>Name</u>		
<u>Attributes</u>				
N402	156	State or Province Code	X	ID 2/2
		Code (Standard State/Province) as defined by appropriate agency	gov	ernment
		STATE (EU-25) = State/Province		
N403	116	Postal Code	0	ID 3/15
		Code defining international postal zone code excluding publanks (zip code for United States)	ınctu	ation and
		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)

14 = (DWS: SUIT)

34 = (DWS: LOT)

35 = (DWS: RM)

36 = (DWS: SLIP)

37 = (DWS: UNIT)

LD2 (EU-19) = Location Designator 2

32 = (DWS: FLR)

LD3 (EU-21) = Location Designator 3

12 = (DWS: BLDG)

30 = (DWS: PIER)

63 = (DWS: WNG)

01 Street Number
```

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

39 Unstructured Property

			40 59 61 62	Street Suffix Street Number Low Street Number Fraction Street Name Suffix		
M	NX202	166	Address Informat	ion	M	AN 1/55
			Address informatio	n		
			SASN (EU-14) = S SASD (EU-13) = S BOX (EU-23c) = Bo ROUTE (EU-23b) = CITY (EU-24) = Cit AHN (EU-23a) = A SASS (EU-16) = S SAPR (EU-10) = S SASF (EU-12) = S	= Route  y ssigned House Number service Address Street Directional Sufficervice Address Number Prefix ervice Address Number Suffix ervice Address Street Type sation Value 1 ation Value 2		

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\*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	М	AN 1/48
			Identifying number for a product or service		
			AFT (EU-9) = Address Format Type		

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

Information Section)

Position: 0100

Loop: POC Optional

Level: Detail Usage: Optional

Max Use: 1

**Purpose:** To specify changes to a line item

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

2 If POC07 is present, then POC06 is required.

If either POC08 or POC09 is present, then the other is required.
If either POC10 or POC11 is present, then the other is required.
If either POC12 or POC13 is present, then the other is required.
If either POC14 or POC15 is present, then the other is required.
If either POC16 or POC17 is present, then the other is required.
If either POC18 or POC19 is present, then the other is required.
If either POC20 or POC21 is present, then the other is required.
If either POC22 or POC23 is present, then the other is required.

11 If either POC24 or POC25 is present, then the other is required.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\*EU\_DISC [POC Loop May Repeat]

**Data Element Summary** 

	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>			
	<u>Attributes</u>					
	POC01	350	Assigned Identific	cation	0	AN 1/20
			Alphanumeric char set	acters assigned for differentiation withi	n a t	ransaction
			"n" = nth assigned	ID within POC loop		
M	POC02	670	Change or Respo	nse Type Code	M	ID 2/2
			Code specifying the type of change to the line item			
			RZ	Replace All Values		
				Receiver should replace the correspor	nding	values in
				the original purchase order with the va		
				in the Purchase Order Change Transa	action	
	POC08	235	Product/Service	ID Qualifier	X	ID 2/2
			Code identifying the Product/Service ID	e type/source of the descriptive numbe (234)	r use	ed in
			<b>ZZ</b>	Mutually Defined		
	POC09	234	Product/Service	D	X	AN 1/48

Identifying number for a product or service

"EU DISC"

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\*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	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	
			ND	Disconnect Number		
			T6	Transfer of Calls Option		
M	SI03	234	Product/Service	ID	M	AN 1/48
			Identifying number	Identifying number for a product or service		
			•	i) = 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 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 Transac specified by the Reference Identification Qualifier DNUM (EU-54) = Disconnect Line Number	tion S	Set or as
	REF03	352	Description A free-form description to clarify the related data element content "DNUM"		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

**SLN** Subline Item Detail Segment:

Position: 4600

> Loop: SLN Optional

Level: Detail Usage: Optional

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

	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
			"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
М	C00101	355	To identify a composite unit of measure (sexamples of use)  Unit or Basis for Measurement Code	See Figures Appendix for  M ID 2/2
			Code specifying the units in which a value manner in which a measurement has been EA Each	

Segment: SI Service Characteristic Identification

Position: 4700

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To specify service characteristic data

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

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

8 If either SI18 or SI19 is present, then the other is required.9 If either SI20 or SI21 is present, then the other is required.

**Semantic Notes:** 

**Comments:** 1 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	rice	
			TC Transfer Announcement Number		
M	SI03	234	Product/Service ID	М	AN 1/48
			Identifying number for a product or service		
			TC TO PRI (EU-58) = Transfer of Calls To Primary Number	er	

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 **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 (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

	Ref.	Data	<b>Duta 2.00</b>				
	<u>Des.</u> Attributes	Element	<u>Name</u>				
Л	REF01	128	Reference Ide	entification Qualifier	M	ID 2/3	
			Code qualifying	ode qualifying the Reference Identification			
			55	Sequence Number			
	REF02	127	Reference Ide	entification	X	AN 1/30	
				rmation as defined for a particular Trans e Reference Identification Qualifier	saction S	Set or as	
			TCID (EU-58a)	= Transfer of Calls to Identifier			
	REF03	352	Description		Х	AN 1/80	
		A free-form description to clarify the related content		scription to clarify the related data element	ents and	d their	
			"PRI"				

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

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

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

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

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

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

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

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

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

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

Notes: SLN\*TCSEC\*n\*A\*1\*EA [SLN Loop May Repeat]

	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 set	n a t	ransaction
			"TCSEC"		
	SLN02	350	Assigned Identification	0	AN 1/20
			Alphanumeric characters assigned for differentiation within set	n a t	ransaction
			"n" = nth assigned ID within SLN loop		
M	SLN03	662	Relationship Code	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
M C0010		355	To identify a composite unit of measure (examples of use) Unit or Basis for Measurement Code	See Figures Appendix for  M ID 2/2
			Code specifying the units in which a value manner in which a measurement has bee EA Each	

Segment: SI Service Characteristic Identification

Position: 4700

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To specify service characteristic data

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

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

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

**Semantic Notes:** 

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

qualifiers.

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

	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 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 (EU-59) = Transfer of Calls To Secondary Nu	mbe	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-61)

**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 (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 Element Gammary		
	Ref.	Data			
	Des.	<u>Element</u>	<u>Name</u>		
	<u>Attributes</u>				
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 Transpecified by the Reference Identification Qualifier	saction S	Set or as
			TCID (EU-60) = Transfer of Calls to Identifier		
	REF03	352	Description	X	AN 1/80
			A free-form description to clarify the related data element	d their	
			"SEC"		

Segment: POC Line Item Change - Resale Form (Service Detail 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.

If POC07 is present, then POC06 is required.

If either POC08 or POC09 is present, then the other is required.
If either POC10 or POC11 is present, then the other is required.
If either POC12 or POC13 is present, then the other is required.
If either POC14 or POC15 is present, then the other is required.
If either POC16 or POC17 is present, then the other is required.
If either POC18 or POC19 is present, then the other is required.
If either POC20 or POC21 is present, then the other is required.

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

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

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

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

Semantic Notes: Comments:

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

POC01 is the purchase order line item identification.

	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	M	ID 2/2			
			Code specifying the type of change to the line item					
			RZ Replace All Values					
			Receiver should replace the corresponding va the original purchase order with the values co in the Purchase Order Change Transaction So					
	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					
			"RE"					

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.

8 If either SI18 or SI19 is present, then the other is required.9 If either SI20 or SI21 is present, then the other is required.

**Semantic Notes:** 

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

qualifiers.

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

SI\*TI\*TN\*TNS (RE-15) SI\*TI\*OT\*OTN (RE-19) SI\*TI\*TD\*PTKCON (RE-24) SI\*TI\*CN\*ECCKT (RE-28) SI\*TI\*T6\*TC OPT (RE-35) SI\*TI\*BD\*PRIBD (RE-20)

# **Data Element Summary**

	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>			
	<u>Attributes</u>					
M	SI01	559	Agency Qualifier	Code	М	ID 2/2
			Code identifying the	ne agency assigning the code values		
			TI	Telecommunications Industry		
M	SI02	1000	Service Characte	eristics Qualifier	M	AN 2/2
			Code from an inducharacteristics	stry code list qualifying the type of serv	ice	
			BD	Primary B/D Channel Configuration		
			CN	Circuit Number Identification Code		
			OT	Out Telephone Number		
			SA	Service Activity Code		
			T6	Transfer of Calls Option		
			TD	Transmission Duplex		
			TN	Telephone Number		
M	SI03	234	Product/Service	ID	M	AN 1/48
			Identifying number	for a product or convice		

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)

TNS (RE-15) = Telephone Numbers
OTN (RE-19) = Out Telephone Number
PTKCON (RE-24) = PBX Trunk Configuration
ECCKT (RE-28) = Exchange Company Circuit ID
TC OPT (RE-35) = Transfer of Call Options
PRIBD (RE-20) = ISDN PRI 'B' and 'D' Channel Configuration

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.
If PID09 is present, then PID05 is required.

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

being referred to.

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

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

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

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

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

used.

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

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

PID03.

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

PID\*X\*\*TI\*CFA\*CFA (RE-57)

	Ref.	Data		•		
	Des.	<b>Element</b>	<u>Name</u>			
	<b>Attributes</b>					
М	PID01	349	Item Description	туре	М	ID 1/1
			Code indicating th	ne format of a description		
			S	Structured (From Industry Code List)		
			X	Semi-structured (Code and Text)		
	PID03	559	<b>Agency Qualifie</b>	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 in product character	ndustry code list which provides specific ristic	data	about a
			AG	Network Interface Device Request		
			CFA	Connecting Facility Assignment		
	PID05	352	Description		X	AN 1/80
			A free-form descri content	iption to clarify the related data elements	s and	I their
			CFA (RE-57) = C	onnecting Facility Assignment		
	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

NIDR (RE-47) = NID Request

Segment: REF Reference Identification

Position: 1000

Loop: POC Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To specify identifying information

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

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\*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

Des. Element Name

Attributes

М

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

Segment: N1 Name

Position: 3400

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use:

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

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

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

**Semantic Notes:** 

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

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

transaction processing party.

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

**Notes:** N1\*P9\*\*41\*PIC (RE-30)

			Dala Liellielli	Julilliai y		
	Ref. <u>Des.</u>	Data <u>Element</u>	<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 locat	ion, <sub> </sub>	property or
			P9	Primary Interexchange Carrier (PIC)		
				Identifies the carrier who will handle the interexchange calls	ne	
	N103	66	Identification Co	de Qualifier	X	ID 1/2
			Code designating Identification Code	the system/method of code structure ue (67)	sed f	or
			41	Telecommunications Carrier Identifica	ation	Code
				Identifies the Interexchange carrier fo being billed	r the	charges
	N104	67	<b>Identification Co</b>	de	X	AN 2/80
			Code identifying a	party or other code		
			PIC (RE-30) = Interest	erLATA Pre-subscription Indicator Code		

Segment: N1 Name

Position: 3400

Loop: N1 Optional

Level: Detail
Usage: Optional

Max Use:

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

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

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

**Semantic Notes:** 

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

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

transaction processing party.

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

Notes: N1\*8V\*\*41\*LPIC (RE-31)

			Data Element	Summary		
	Ref.	Data				
	Des.	Element	Name			
	Attributes		<u></u>			
M	N101	98	Entity Identifier	Code	M	ID 2/3
			Code identifying a an individual	an organizational entity, a physical loca	ation,	property or
			8V	Primary Intra-LATA (Local Access Tr	ansp	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	Identification Co	ode	X	AN 2/80
			Code identifying a	party or other code		
			LPIC (RE-31) = In	traLATA Pre-subscription Indicator Cod	et	

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.

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.	<u>Element</u>	<u>Name</u>			
	<u>Attributes</u>					
М	SLN01	350	Assigned Identification	М	AN 1/20	
			Alphanumeric characters assigned for differentiation withi 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
М	C00101	355	To identify a composite unit of measure (See examples of use) Unit or Basis for Measurement Code	Figures Appendix for  M ID 2/2
			Code specifying the units in which a value is to manner in which a measurement has been tall EA Each	

Segment: SI Service Characteristic Identification

Position: 4700

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To specify service characteristic data

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

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

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. <u>Des.</u>	Data <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	
			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** 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-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

	Ref. <u>Des.</u> Attributes	Data Element	<u>Name</u>		
M	REF01	128	Reference Identification Qualifier	М	ID 2/3
			Code qualifying the Reference Identificat	ion	
			55 Sequence Number		
	REF02	127	Reference Identification	X	AN 1/30
			Reference information as defined for a p specified by the Reference Identification TCID (RE-38a) = Transfer of Calls to Iden	Qualifier	Set or as
	REF03	352	Description A free-form description to clarify the relacontent "PRI"	Х	AN 1/80 I their

**SLN** Subline Item Detail Segment:

Position: 4600

> Loop: SLN Optional

Level: Detail Usage: Optional

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.

> 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				
	<u>Des.</u>	<u>Element</u>	<u>Name</u>			
	<u>Attributes</u>					
М	SLN01	350	Assigned Identification	M	AN 1/20	
			Alphanumeric characters assigned for differentiation within set	n a t	ransaction	
			"TCSEC"			
	SLN02	350	Assigned Identification	0	AN 1/20	
				Alphanumeric characters assigned for differentiation within set	n a t	ransaction
			"n" = nth assigned ID within SLN loop			
M	SLN03	662	Relationship Code	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
M	C00101	355	To identify a composite unit of measure (See examples of use)  Unit or Basis for Measurement Code	e Figures Appendix for  M ID 2/2
			Code specifying the units in which a value is manner in which a measurement has been to EA Each	•

Segment: SI Service Characteristic Identification

Position: 4700

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To specify service characteristic data

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

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

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

**Semantic Notes:** 

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

qualifiers.

Notes: SI\*TI\*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	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 (RE-39) = Transfer of Calls To Secondary Nu	mbe	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-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: 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

	Ref. <u>Des.</u> <u>Attributes</u>	Data <u>Element</u>			
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 Trans specified by the Reference Identification Qualifier	action S	Set or as
			TCID (RE-41) = Transfer of Calls to Identifier		
	REF03	352	Description	X	AN 1/80
			A free-form description to clarify the related data element content "SEC"	ents 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

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>					
М	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
М	C00101	355	To identify a composite unit of measure (S examples of use) Unit or Basis for Measurement Code	See Figures Appendix for  M ID 2/2
			Code specifying the units in which a value manner in which a measurement has been EA Each	

Segment: SI Service Characteristic Identification

Position: 4700

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To specify service characteristic data

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

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

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

**Semantic Notes:** 

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

qualifiers.

Notes: SI\*TI\*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 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	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: 4600

Loop: SLN Optional

Level: Detail Usage: Optional

Max Use:

Updated: January 21, 2002

**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 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\*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>				
М	SLN01	350	Assigned Identification	M	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	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 (Sexamples of use) Unit or Basis for Measurement Code	See Figures Appendix for  M ID 2/2
			Code specifying the units in which a value manner in which a measurement has beer EA Each	

Segment: SI Service Characteristic Identification

Position: 4700

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To specify service characteristic data

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

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

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

**Semantic Notes:** 

**Comments:** 1 SI01 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.	Data				
	Des.	<u>Element</u>	<u>Name</u>			
	<u>Attributes</u>					
M	SI01	559	Agency Qualifier Co	ode	М	ID 2/2
			Code identifying the a	gency assigning the code values		
			TI Te	elecommunications Industry		
M	SI02	1000	<b>Service Characteris</b>	tics Qualifier	M	AN 2/2
			Code from an industry characteristics	code list qualifying the type of serv	ice	
			FD Fe	eature Detail		
			SA Se	ervice Activity Code		
M	SI03	234	Product/Service ID		М	AN 1/48
			Identifying number for	a product or service		
			CT = (DWS : T - Ch	d) hange (old values)) connect) nversion As Specified) hange (new values))		
	SI04	1000	Service Characteris	E-60) = Feature Detail	X	AN 2/2
	Olut	1000	Code from an industry characteristics	y code list qualifying the type of servervice Category Code		
	SI05	234	Product/Service ID		X	AN 1/48
			Identifying number for	a product or service		
			FEATURE (RE-59) =	Feature Codes		

Segment: POC Line Item Change - DL Form (Delivery

Address/Information Section)

Position: 0100

Loop: POC Optional

Level: Detail Usage: Optional

Max Use: 1

**Purpose:** To specify changes to a line item

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

2 If POC07 is present, then POC06 is required.

If either POC08 or POC09 is present, then the other is required.
If either POC10 or POC11 is present, then the other is required.
If either POC12 or POC13 is present, then the other is required.
If either POC14 or POC15 is present, then the other is required.
If either POC16 or POC17 is present, then the other is required.
If either POC18 or POC19 is present, then the other is required.
If either POC20 or POC21 is present, then the other is required.
If either POC22 or POC23 is present, then the other is required.
If either POC24 or POC25 is present, then the other is required.

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

Semantic Notes: Comments:

Notes:

Dof

1 POC01 is the purchase order line item identification.

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

	Ret.	Data			
	Des.	<b>Element</b>	<u>Name</u>		
	<b>Attributes</b>				
	POC01	350	Assigned Identification	0	AN 1/20
			Alphanumeric characters assigned for differentiation within set	n a tr	ansaction
			"n" = nth assigned ID within POC loop		
M	POC02	670	Change or Response Type Code	M	ID 2/2
			Code specifying the type of change to the line item		
			RZ Replace All Values		
			Receiver should replace the correspor the original purchase order with the va in the Purchase Order Change Transa	alues	contained
	POC08	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number Product/Service ID (234)  ZZ Mutually Defined	r use	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 servi characteristics	се	
			AD Address Activity		
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
			DACT (DL-81) = Delivery Activity		

Segment: QTY Quantity

Position: 2930

Loop: QTY Optional

Level: Detail Usage: Optional

Max Use: 1

**Purpose:** To specify quantity information

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

2 Only one of QTY02 or QTY04 may be present.

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

Comments:

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

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

**Data Element Summary** 

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

M QTY01 673 Quantity Qualifier M ID 2/2

Code specifying the type of quantity

31 Additional Demand Quantity

38 Original Quantity

QTY02 380 Quantity X R 1/15

Numeric value of quantity

DIRQTYA (DL-103) = Number of Directories for Annual Delivery DIRQTYNC (DL-104) = Number of Directories Delivered on New

Connect

QTY03 C001 Composite Unit of Measure O

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

examples of use)

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

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

manner in which a measurement has been taken

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

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: 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

Data

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)

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	<u>Element</u>	<u>Name</u>			
М	NX201	1106	Address Compo	nent Qualifier	М	ID 2/2
			Code qualifying th	ne type of address component		
			01	Street Number		
			02	Street Name		
			03	Prefix Direction		
			07	City Name		
			18	Unstructured Mailing Address		
			40	Street Suffix		
			59	Street Number Low		
			61	Street Number Fraction		

M NX202 166 Address Information M AN 1/55

Address information

62

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

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

Street Name Suffix

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	PO	C Line Item Change - DL Form (Service Details Section	on)	
Position Loop Level Usage Max Use	: 0100 : POC : Detail : Optional	Optional		
Purpose		rify changes to a line item		
Syntax Notes	•	OC03 is present, then both POC04 and POC05 are required	ł.	
•	2 If P	OC07 is present, then POC06 is required.		
		ther POC08 or POC09 is present, then the other is required		
		ther POC10 or POC11 is present, then the other is required		
		ther POC12 or POC13 is present, then the other is required ther POC14 or POC15 is present, then the other is required		
		ther POC16 or POC17 is present, then the other is required		
	8 If eit	ther POC18 or POC19 is present, then the other is required		
		ther POC20 or POC21 is present, then the other is required		
		ther POC22 or POC23 is present, then the other is required ther POC24 or POC25 is present, then the other is required		
		ther POC24 or POC25 is present, then the other is required ther POC26 or POC27 is present, then the other is required		
Semantic Notes		C01 is the purchase order line item identification.		
Comments				
Notes		RZ*****ZZ*DL*SH*RTY (DL-12) [POC Loop May Repeat]		
Ref.	Data	Data Element Summary		
Des.	Element	Name		
<u>Attribut</u>		, <u></u>		
POC01	350	Assigned Identification	0	AN 1/20
		All I I I I I I I I I I I I I I I I I I		
		Alphanumeric characters assigned for differentiation within	n a t	ransaction
		set	nat	ransaction
M POCO	670	set "n" = nth assigned ID within POC loop		
M POCO2	670	set "n" = nth assigned ID within POC loop Change or Response Type Code	nat M	ransaction  ID 2/2
M POC02	670	set "n" = nth assigned ID within POC loop Change or Response Type Code Code specifying the type of change to the line item		
M POC02	670	set "n" = nth assigned ID within POC loop  Change or Response Type Code  Code specifying the type of change to the line item  RZ Replace All Values	M	ID 2/2
M POC02	670	set "n" = nth assigned ID within POC loop Change or Response Type Code Code specifying the type of change to the line item	<b>M</b> ading	ID 2/2
		set "n" = nth assigned ID within POC loop  Change or Response Type Code  Code specifying the type of change to the line item  RZ Replace All Values  Receiver should replace the corresponthe original purchase order with the value in the Purchase Order Change Transa	<b>M</b> Iding	ID 2/2 y values in contained in Set
M POCO2		set "n" = nth assigned ID within POC loop  Change or Response Type Code  Code specifying the type of change to the line item  RZ Replace All Values  Receiver should replace the corresponthe original purchase order with the valin the Purchase Order Change Transa  Product/Service ID Qualifier	M ading lues action	values in contained a Set
		set "n" = nth assigned ID within POC loop  Change or Response Type Code  Code specifying the type of change to the line item  RZ Replace All Values  Receiver should replace the corresponthe original purchase order with the value in the Purchase Order Change Transate  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number Product/Service ID (234)	M ading lues action	values in contained a Set
POC08	235	set "n" = nth assigned ID within POC loop  Change or Response Type Code  Code specifying the type of change to the line item  RZ Replace All Values  Receiver should replace the corresponte the original purchase order with the value in the Purchase Order Change Transa  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number Product/Service ID (234)  ZZ Mutually Defined	M Iding Ilues Iction X r use	values in contained n Set ID 2/2 ed in
	235	set "n" = nth assigned ID within POC loop  Change or Response Type Code  Code specifying the type of change to the line item  RZ Replace All Values  Receiver should replace the corresponthe original purchase order with the value in the Purchase Order Change Transate  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number Product/Service ID (234)  ZZ Mutually Defined  Product/Service ID	M ading lues action	values in contained a Set
POC08	235	set "n" = nth assigned ID within POC loop  Change or Response Type Code  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 Transate  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number Product/Service ID (234)  ZZ Mutually Defined  Product/Service ID  Identifying number for a product or service	M Iding Ilues Iction X r use	values in contained n Set ID 2/2 ed in
POC08	235	set "n" = nth assigned ID within POC loop  Change or Response Type Code  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  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number Product/Service ID (234)  ZZ Mutually Defined  Product/Service ID  Identifying number for a product or service  "DL"	M  ading lues action X r use	values in contained n Set ID 2/2 ed in AN 1/48
POC08	235	set "n" = nth assigned ID within POC loop  Change or Response Type Code  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 varient in the Purchase Order Change Transa  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number Product/Service ID (234)  ZZ Mutually Defined  Product/Service ID  Identifying number for a product or service  "DL"  Product/Service ID Qualifier	M  ding lues action X r use	values in contained in Set ID 2/2 ed in AN 1/48
POC08	235	set "n" = nth assigned ID within POC loop  Change or Response Type Code  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  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number Product/Service ID (234)  ZZ Mutually Defined  Product/Service ID  Identifying number for a product or service  "DL"	M  ding lues action X r use	values in contained in Set ID 2/2 ed in AN 1/48
POC08	235	set "n" = nth assigned ID within POC loop  Change or Response Type Code  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 Transate  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number Product/Service ID (234)  ZZ Mutually Defined  Product/Service ID ldentifying number for a product or service  "DL"  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number Product/Service ID (234)	M  ding lues action X r use X	ID 2/2 y values in contained in Set ID 2/2 ed in  AN 1/48 ID 2/2 ed in
POC08	235	"n" = nth assigned ID within POC loop  Change or Response Type Code  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 varience in the Purchase Order Change Transate Product/Service ID Qualifier  Code identifying the type/source of the descriptive number Product/Service ID (234)  ZZ Mutually Defined  Product/Service ID  Identifying number for a product or service  "DL"  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number Product/Service ID (234)  SH Service Requested  A numeric or alphanumeric code from services available to the customer	M  Inding Ilues Indiction Indicate Indi	values in contained in Set ID 2/2 ed in  ID 2/2 ed in
POC08	235	"n" = nth assigned ID within POC loop  Change or Response Type Code  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  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number Product/Service ID (234)  ZZ Mutually Defined  Product/Service ID  Identifying number for a product or service  "DL"  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number Product/Service ID (234)  SH Service Requested  A numeric or alphanumeric code from	M  ding lues action X r use X	ID 2/2 y values in contained in Set ID 2/2 ed in  AN 1/48 ID 2/2 ed in

Updated: January 21, 2002

	Segment:	SI Se	rvice Characteristic	: Identification		
	Position:	0180				
	Loop: Level:	POC Detail	Optional			
	Usage:	Optional				
	Max Use:	>1				
	Purpose: Syntax Notes:		fy service characteris	estic data researcher is required.		
	Symax Notes.			esent, then the other is required.		
		3 If eit	ner SI08 or SI09 is pr	resent, then the other is required.		
				esent, then the other is required.		
				resent, then the other is required.		
				esent, then the other is required.		
				esent, then the other is required.		
	Semantic Notes:	9 If eit	ner SI20 or SI21 is pro	esent, then the other is required.		
	Comments:	<b>1</b> SI01	defines the source for	or each of the service characteristics		
			fiers.			
	Notes:		LACT (DL-10)			
			ETY (DL-13) STYC (DL-15)			
			*TOA (DL-16)			
			*DOI (DL-17)			
			*DIRNAME (DL-34)			
			*BRO (DL-28) Data Element Sumn	narv		
	Def			3		
	Ref.	Data				
	Des.	Element	<u>Name</u>			
м	<u>Des.</u> <u>Attributes</u>	Element		Code I	М	ID 2/2
M	Des.		Agency Qualifier C		M	ID 2/2
M	<u>Des.</u> <u>Attributes</u>	Element	Agency Qualifier C Code identifying the	Code agency assigning the code values Telecommunications Industry	M	ID 2/2
M	<u>Des.</u> <u>Attributes</u>	Element	Agency Qualifier C Code identifying the	agency assigning the code values Felecommunications Industry	M M	ID 2/2 AN 2/2
	<u>Des.</u> <u>Attributes</u> SI01	Element 559	Agency Qualifier Code identifying the TI To Service Characteris	agency assigning the code values Felecommunications Industry	M	-
	<u>Des.</u> <u>Attributes</u> SI01	Element 559	Agency Qualifier C Code identifying the TI Service Characteri Code from an indust characteristics BO	agency assigning the code values Felecommunications Industry Stics Qualifier  Fry code list qualifying the type of service Business/Residence Placement Overrice	<b>M</b> ce	-
	<u>Des.</u> <u>Attributes</u> SI01	Element 559	Agency Qualifier Code identifying the TI To Service Characteristics BO BR E	agency assigning the code values Felecommunications Industry Stics Qualifier  Try code list qualifying the type of service Business/Residence Placement Overrice Directory Listing Type of Account	<b>M</b> ce	-
	<u>Des.</u> <u>Attributes</u> SI01	Element 559	Agency Qualifier Code identifying the TI To Service Characteristics Code from an indust characteristics BO BR DG I	agency assigning the code values Felecommunications Industry Stics Qualifier  Try code list qualifying the type of service Business/Residence Placement Overrie Directory Listing Type of Account Degree of Indent	<b>M</b> ce	-
	<u>Des.</u> <u>Attributes</u> SI01	Element 559	Agency Qualifier C Code identifying the TI Service Characteri Code from an indust characteristics BO BR DG DN E	agency assigning the code values Felecommunications Industry Stics Qualifier Fry code list qualifying the type of service Business/Residence Placement Overrice Directory Listing Type of Account Degree of Indent Directory Book Name	<b>M</b> ce	-
	<u>Des.</u> <u>Attributes</u> SI01	Element 559	Agency Qualifier Code identifying the TI TI Service Characteristics BO BR DG DN LB LB LE	agency assigning the code values Felecommunications Industry Stics Qualifier  Try code list qualifying the type of service Business/Residence Placement Overrie Directory Listing Type of Account Degree of Indent Directory Book Name Listing Activity Indicator (LACT)	<b>M</b> ce	-
	<u>Des.</u> <u>Attributes</u> SI01	Element 559	Agency Qualifier Code identifying the TI TI Service Characteristics BO BR DG DN LB LE LE LE LE Code identifying the TI	agency assigning the code values Felecommunications Industry Stics Qualifier  Ery code list qualifying the type of service Business/Residence Placement Overrice Directory Listing Type of Account Degree of Indent Directory Book Name Listing Activity Indicator (LACT) Listing Type	<b>M</b> ce	-
M	<u>Des.</u> <u>Attributes</u> SI01  SI02	559 1000	Agency Qualifier C Code identifying the TI TI Service Characteria Code from an indust characteristics BO E BR DG DN E LB LE TW S	agency assigning the code values Telecommunications Industry Istics Qualifier Try code list qualifying the type of service Business/Residence Placement Overrice Directory Listing Type of Account Degree of Indent Directory Book Name Listing Activity Indicator (LACT) Listing Type Style Code	M ce	AN 2/2
	<u>Des.</u> <u>Attributes</u> SI01	Element 559	Agency Qualifier Code identifying the TI TI Service Characteristics BO BR DG DN LB LE TW SProduct/Service ID	agency assigning the code values Felecommunications Industry Stics Qualifier  Try code list qualifying the type of service Business/Residence Placement Overrice Directory Listing Type of Account Degree of Indent Directory Book Name Listing Activity Indicator (LACT) Listing Type Style Code	<b>M</b> ce	-
M	<u>Des.</u> <u>Attributes</u> SI01  SI02	559 1000	Agency Qualifier Code identifying the TI	agency assigning the code values Felecommunications Industry Stics Qualifier  Erry code list qualifying the type of service Business/Residence Placement Overrice Directory Listing Type of Account Degree of Indent Directory Book Name Listing Activity Indicator (LACT) Listing Type Style Code Or a product or service	M ce	AN 2/2
M	<u>Des.</u> <u>Attributes</u> SI01  SI02	559 1000	Agency Qualifier C Code identifying the TI TI Service Characteria Code from an indust characteristics BO E BR C DG C DN C LB LE TW S Product/Service ID Identifying number for LACT (DL-10) = Listing LISTY (DL-13) = Listing	agency assigning the code values Telecommunications Industry Istics Qualifier Try code list qualifying the type of service Business/Residence Placement Overrice Directory Listing Type of Account Degree of Indent Directory Book Name Listing Activity Indicator (LACT) Listing Type Style Code Dor a product or service Ing Activity Indicator Ing Type Ing Activity Indicator Ing Type Ing Activity Indicator Ing Type	M ce	AN 2/2
M	<u>Des.</u> <u>Attributes</u> SI01  SI02	559 1000	Agency Qualifier C Code identifying the TI TI Service Characteria Code from an indust characteristics BO BR DG DN LB LE LE TW S Product/Service ID Identifying number for LACT (DL-10) = Listing STYC (DL-15) = Styl	agency assigning the code values Telecommunications Industry Istics Qualifier Try code list qualifying the type of service Business/Residence Placement Overrice Directory Listing Type of Account Degree of Indent Directory Book Name Listing Activity Indicator (LACT) Listing Type Style Code Dor a product or service Ing Activity Indicator Ing Type Ing Activity Indicator Ing Type Ing Activity Indicator Ing Type Ing Code Ing Co	M ce	AN 2/2
M	<u>Des.</u> <u>Attributes</u> SI01  SI02	559 1000	Agency Qualifier C Code identifying the TI TI Service Characteric Code from an indust characteristics BO E BR DG DN E LB LE TW S Product/Service ID Identifying number for LACT (DL-10) = Listing STYC (DL-15) = Styl TOA (DL-16) = Type	agency assigning the code values Telecommunications Industry Istics Qualifier Irry code list qualifying the type of service Business/Residence Placement Overrice Directory Listing Type of Account Degree of Indent Directory Book Name Listing Activity Indicator (LACT) Listing Type Style Code Dor a product or service Ing Activity Indicator Ig Type Ile Code Indicator	M ce	AN 2/2
M	<u>Des.</u> <u>Attributes</u> SI01  SI02	559 1000	Agency Qualifier C Code identifying the TI TI Service Characteria Code from an indust characteristics BO BR DG DN LB LE LE TW S Product/Service ID Identifying number for LACT (DL-10) = Listing STYC (DL-15) = Styl	agency assigning the code values Telecommunications Industry Istics Qualifier Irry code list qualifying the type of service Business/Residence Placement Overrice Directory Listing Type of Account Degree of Indent Directory Book Name Listing Activity Indicator (LACT) Listing Type Style Code Or a product or service Irry code ing Activity Indicator Irry code indic	M ce	AN 2/2

Segment: PID Product/Item Description

Position: 0500

Loop: PID Optional

Level: Detail
Usage: Optional

Max Use: 1

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

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

At least one of PID04 or PID05 is required.
If PID07 is present, then PID03 is required.
If PID08 is present, then PID04 is required.
If PID09 is present, then PID05 is required.

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

being referred to.

2 PID04 should be used for industry-specific product description

codes.

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

indeterminate.

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

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

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

used.

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

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

PID03.

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

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

### **Data Element Summary**

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>	·		
M	PID01	349	Item Descrip	otion Type	M	ID 1/1
			Code indicati	ng the format of a description		
			S	Structured (From Industry Code List)		
	PID03	559	Agency Qua	lifier Code	X	ID 2/2
			Code identify	ing the agency assigning the code values		
			ΤI	Telecommunications Industry		
	PID04	751	<b>Product Des</b>	cription Code	X	AN 1/12
			A code from product chara	an industry code list which provides specific acteristic	data	a about a
			AR	Omit Telephone Number		
			AS	Listed Name Placement		
			AT	Address Indicator		

Direct Mail List

ΑW

AX No Solicitation Indicator

AY Telemarketing

BA Professional Identifier

PID07 822 Source Subqualifier

O AN 1/15

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

Qualifier

SO-RSQ Service Order - Reseller Questions List

PID08 1073 Yes/No Condition or Response Code

O ID 1/1

Code indicating a Yes or No condition or response

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

Blank = (DWS : Blank - Do Not Omit)

LNPL (DL-44) = Letter Name Placement Y = (DWS : L - Letter Placement)

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

ADI (DL-61) = Address Indicator

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

DML (DL-25) = Direct Mail List

Y = (DWS : O - Omit)

Blank = (DWS : Blank - Do Not Omit)

TMKT (DL-27) = Telemarketing

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

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

REF Reference Identification Segment:

Position: 1000

> POC Loop: Optional

Level: Detail Usage: Optional Max Use: >1

Purpose: To specify identifying information

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

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

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

Comments:

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

**Data Element Summary** 

Data Ref. **Element Name** Des. **Attributes** М REF01 128 **Reference Identification Qualifier** ID 2/3 М Code qualifying the Reference Identification 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.

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

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

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

Comments:

Notes: N9\*82\*PLA

**Data Element Summary** 

Ref. Data

Des. Element Name

**Attributes** 

M N901 128 Reference Identification Qualifier M ID 2/3

Code qualifying the Reference Identification

82 Data Item Description (DID) Reference

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

requirement documents

N902 127 Reference Identification X AN 1/30

Reference information as defined for a particular Transaction Set or as

specified by the Reference Identification Qualifier

"PLA"

Segment: MTX Text

Position: 3260

Loop: N9 Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify textual data

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

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\*\*PLA (DL-55)

**Data Element Summary** 

Ref. Data

Des. Element Name

**Attributes** 

MTX02 1551 Message Text X AN 1/4096

To transmit large volumes of message text

PLA (DL-55) = Place Listing As

Segment: N9 Reference Identification

Position: 3200

Loop: N9 Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To transmit identifying information as specified by the Reference

Identification Qualifier

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

2 If N906 is present, then N905 is required.

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

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

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

Comments:

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

			Data	Liement Gamma y		
	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>			
	<b>Attributes</b>					
M	N901	128	Referen	ce Identification Qualifier	M	ID 2/3
			Code qu	alifying the Reference Identification		
			82	Data Item Description (DID) Reference	Э	
				Specific data elements that the gover a contractor to provide and are speller requirement documents		
	N902	127	Referen	ce Identification	X	AN 1/30
				ce information as defined for a particular Transact by the Reference Identification Qualifier	ion S	Set or as
			"LTXTY"			
	N903	369	Free-for	m Description	Χ	AN 1/45
			Free-form	n descriptive text		
			LTXTY ([	DL-57) = Listing Text Type		

Segment: MTX Text

Position: 3260

Loop: N9 Optional

Level: Detail
Usage: Optional

Max Use: >1

Purpose: To specify textual data

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

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

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

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

then MTX05 is required.

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

**Data Element Summary** 

Ref. Data

Des. Element Name

**Attributes** 

MTX02 1551 Message Text X AN 1/4096

To transmit large volumes of message text

LTEXT (DL-59) = Line of Text

Segment: **N9** Reference Identification

Position: 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

	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 To specified by the Reference Identification Qualifier ORI Order Instructions	ransaction	Set or as
	N903	369	Free-form Description Free-form descriptive text		AN 1/45
			"DL"		

MTX Text Segment:

Position: 3260

> N9 Optional Loop:

Level: Detail Usage: Optional >1

Max Use:

Purpose: To specify textual data

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

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

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

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

then MTX05 is required.

MTX\*\*REMARKS (DL-113) 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 (DL-113) = Remarks

Segment: N1 Name

Position: 3400

Loop: N1 Optional

Level: Detail
Usage: Optional

Max Use:

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

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

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

**Semantic Notes:** 

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

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

transaction processing party.

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

Notes: N1\*DH\*LISTINGS

**Data Element Summary** 

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

Free-form name

"LISTINGS"

IN2 Individual Name Structure Components Position: 3550 Loop: N1 Optional Level: Detail Optional Usage: 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\*18\*NICK (DL-54) IN2\*12\*DESD (DL-50a)\*DESD IN2\*10\*TLD (DL-51)\*TLD IN2\*01\*TITLE1D (DL-52)\*TITLE1D **Data Element Summary** Ref. Data Des. **Element Name Attributes** М ID 2/2 **IN201** 1104 Name Component Qualifier М Code identifying the type of name component 01 Prefix 02 First Name 05 Last Name 10 Generation Combined (Unstructured) Name 12 18 Preferred First Name or Nickname 21 Professional Title М **IN202** 93 Name М AN 1/60 Free-form name LNLN (DL-45) = Listed Name Last LNFN (DL-46) = Listed Name First DES (DL-47) = Designation TL (DL-48) = Title of Lineage TITLE1 (DL-49) = Title of Address 1 NICK (DL-54) = Nickname DESD (DL-50a) = Designation for Dual Name TLD (DL-51) = Title of Lineage for Dual Name TITLE1D (DL-52) = Title of Address 1 for Dual Name **IN203** 93 AN 1/60 Name Free-form name LNFN (DL-46) = Listed Name First "TL" "TITLE1" "DESD"

Segment:

"TLD" "TITLE1D" 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\*\*LAST (DL-71)

**Data Element Summary** 

Ref. Data
Des. Element Name

**Attributes** 

N402 156 State or Province Code X ID 2/2

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

agency

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

Segment: NX2 Location ID Component

Position: 3750

Loop: N1 Optional

Level: Detail
Usage: Optional
Max Use: >1

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

Syntax Notes: Semantic Notes: Comments:

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**

	Ret.	Data	
	Des.	<b>Element</b>	<u>Name</u>
	<u>Attributes</u>		
М	NX201	1106	<b>Address</b>
			Code qual

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 Low
61 Street Number Fraction
62 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	Agency Qualifier Code		1 1	ID 2/2
			Code identifying the agency assigning the code values			
			TI Teleco	mmunications Industry		
M	SI02	1000	Service Characteristics Qualifier		1 /	AN 2/2
			Code from an industry cod characteristics	e list qualifying the type of service	е	
			NS Non-St	andard Telephone Number		
			TN Teleph	one Number		
M	SI03	234	Product/Service ID		1 .	AN 1/48
			Identifying number for a product or service			
			LTN (DL-39) = Listed Telep NSTN (DL-40) = Non Stand			

Segment: CTT Transaction Totals

Position: 0100

Loop: CTT Optional

Level: Summary Usage: Optional

Max Use: 1

Purpose: To transmit a hash total for a specific element in the transaction setSyntax Notes: 1 If either CTT03 or CTT04 is present, then the other is required.

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

**Semantic Notes:** 

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

transaction completeness and correctness.

Notes: CTT\*Number of POC Segments

**Data Element Summary** 

Ref. Data

Des. Element Name

<u>Attributes</u>

M CTT01 354 Number of Line Items M N0 1/6

Total number of line items in the transaction set

Segment: **SE** Transaction Set Trailer

Position: 0300

Loop:

Level: Summary Usage: Mandatory

Max Use: 1

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

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

segments)

Syntax Notes:

Semantic Notes: Comments:

1 SE is the last segment of each transaction set.

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

	Ref. <u>Des.</u> Attributes	Data <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 set functional group assigned by the originator for a transaction set		