UNE-P PBX DESIGN TRUNK

Table of Contents

50.	UN	E-P PBX DESIGNED TRUNK	2
50		BUSINESS DESCRIPTION	
		BUSINESS MODEL	
50	.3 D	DEVELOPER WORKSHEETS	.7
50	.4 T	FRADING PARTNER ACCESS INFORMATION	.8
	50.4.	1 OVERVIEW: Qwest Specific Functional Group Envelope - Routing Information	3.
	50.4.2	2 ISA TABLE INFORMATION	10
	50.4.3	3 GS TABLE INFORMATION	11
	50.4.4	4 MAPPING EXAMPLE AND DATA DICTIONARY ITEMS	13
50	.5 N	MAPPING EXAMPLES	15
	50.5.	1 850 UNE-P PBX DESIGN TRUNK Service Request (850UPDET) – Version 4020	15
	50.5.2	2 UPDET 860 SUPP - Specific Fields – Version 4020	20
50	.6 D	DATA DICTIONARY	
	50.6.	1 850 UNE-P PBX Design Trunk Service Request (850UPDET)	21
	50.6.2	2 860 UNE-P PBX Design Trunk Supplemental Service Request (860UPDET)1	47

50. UNE-P PBX Designed Trunk

50.1 Business Description

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

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

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

The following Order Activity Matrices define the available Order and Line Activities for UNE-P PBX Designed Trunk:

Business Rules for Combining Order and Line Activity For **UNE-P PBX Designed Trunk**

Order Activity Definition

Updated: January 21, 2002

Req Type	ACT	Definition	Application	LNA	Forms required
MB	N	New Installation	New installation of UNE-P Designed Trunk(s).	N	LSR, EU, RS, DL
	D	Disconnect	Disconnect all services at the account level with transfer of calls	D	LSR, EU, RS
			Disconnect all services at the account level with no transfer of calls	Not Applicable	LSR, EU
	W Conversion As Is Change from or another with no product or servi Listing. Conversion of R PBX Trunks to U Designed Trunk changes to product		Change from one CLEC to another with no change to product or service or Directory Listing. Conversion of Retail or Resold PBX Trunks to UNE-P PBX Designed Trunks with no changes to product or service or Directory Listing.	Not Applicable	LSR, EU
		Conversion As Specified	Conversion As Specified valid on conversion from existing UNP-P PBX Designed Trunks from one CLEC to another or conversions from Retail or Resold PBX Trunks to UNE-P PBX Designed Trunks with changes to product or service and can include Directory Listing changes.	W, V, N, D	LSR, EU, RS, DL

Z	Conversion As Specified, No Directory Listing	Conversion As Specified valid on conversion from existing UNP-P PBX Designed Trunks from one CLEC to another or conversions from Retail or Resold PBX Trunks to UNE-P PBX Designed Trunks with changes to product or service, but with no Directory Listing changes.	W, V, N, D	LSR, EU, RS
С	Change	Change of an existing UNE-P PBX Designed Trunk(s) such as, add/remove features, add/remove trunk(s) to existing service/account, PIC/LPIC change, change/add/remove Directory Listing, change billing information, change telephone number	N, C, D, X, P	LSR, EU, RS, DL
Т	Outside Move	Outside move of an existing UNE-P PBX Designed Trunk(s) end user location.	N,D	LSR, EU, RS, DL
L	Seasonal Suspend	Seasonal Suspend of an end user service who has elected temporary interruption of service	L	LSR, EU, RS
Y Deny Not Al		Not Allowed	Not Applicable	
В	Restore	Restore of an end user service that was previously denied or seasonal suspend	Ĺ	LSR, EU
R	Record	Not Allowed	Not Applicable	
М	Inside Move	Movement of wiring with the end user's premises.	С	LSR, EU

Line Activities

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

LISTING ACTIVITIES

LACT	Definition	Application
N	New Listing	The DL form must specify all details about a
	<u> </u>	new listing.
D	Delete	The DL form must indicate the ALI code and
	existing	the listing name and text information to ensure
	listing	the correct listing is deleted. A main listing cannot be deleted.
I	Change	Change activity is only valid if the person or
	existing	business and book are staying the same, and
	listing (new	just the details of the listing are changing. For
	data)	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
0	Change	the listing activity of 'O' is required. Change activity is only valid if the person or
	existing	business and book are staying the same, and
	listing (old	just the details of the listing are changing.
	data)	Otherwise, a delete and new must be used.
	dataj	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 'I' is required.
Z	No change to	Only allowed on a conversion as specified
	existing	(ACT = V) or an outside move (ACT= T). The
	listing	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.

50.2 Business Model

See Appendix H

50.3 Developer Worksheets

See Appendices B and C - Developer Worksheets - Order

50.4 Trading Partner Access Information

ORDERING FUNCTION	PRODUCT ID
UNE P PBX Design Trunk Request	850UPDET
UNE P PBX Design Trunk Supplemental	860UPDET
Status Update – Auto Push	855SU
Firm Order Confirmation	855FOC
Firm Order Confirmation on Supplemental	865FOC
Non Fatal Error Response	855NF
Non Fatal Error Response on Supplemental	865NF
Fatal Error Response	855FATAL
Fatal Error Response on Supplemental	865FATAL
Jeopardy	865JEOP
Completion	865COMP

Order Submittal

The process begins with an EDI Trading Partner Access Information between Qwest and the Co-Provider.

The order request is transmitted by the Co-Provider via the EDI 850/860 format. Qwest will translate and forward the data to the internal application system. The request may activate the following responses:

- <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 Notification will be issued if Qwest has a problem meeting the commitment on the local service request.

50.4.1 OVERVIEW: Qwest Specific Functional Group Envelope - Routing Information

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

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

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

50.4.2 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)

50.4.3 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	850UPDET	PO	Co-Provider TP ID	UPDET90
Status Update – Auto Push	Send	855SU	PR	SU90	Co-Provider TP ID
Firm Order Confirmation	Send	855FOC	PR	FOC90	Co-Provider TP ID
Non Fatal Error Response	Send	855NF	PR	NF90	Co-Provider TP ID
Fatal Error Response	Send	855FATAL	PR	FATAL90	Co-Provider TP ID
Jeopardy	Send	865JEOP	CA	JEOP90	Co-Provider TP ID
Completion	Send	865COMP	CA	COMP90	Co-Provider TP ID

Supplemental Order

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

GS Table (Supplemental)

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

ORDERING FUNCTION	Qwest SEND/ RECEIVE	DOCUMENT	GS01 VALUE	GS02 VALUE	GS03 VALUE
Supplemental	Receive	860UPDET	PC	Co-Provider TP ID	UPDET90
Status Update – Auto Push	Send	855SU	PR	SU90	Co-Provider TP ID
Firm Order Confirmation	Send	865FOC	CA	FOC90	Co-Provider TP ID
Non Fatal Error Response	Send	865NF	CA	NF90	Co-Provider TP ID
Fatal Error Response	Send	865FATAL	CA	FATAL90	Co-Provider TP ID
Jeopardy	Send	865JEOP	CA	JEOP90	Co-Provider TP ID
Completion	Send	865COMP	CA	COMP90	Co-Provider TP ID

50.4.4 MAPPING EXAMPLE AND DATA DICTIONARY ITEMS

Purchase Order (PO) Date

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

Time Code

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

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

4020 Exceptions

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

• SLN loop maximum use has been changed to >1

Delimiters

The following delimiters will be used:

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

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

• Segment Separator: HEX 0A = linefeed

Qwest Specific Fields

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

Industry Standards Table:

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

50.5 Mapping Examples

Updated: January 21, 2002

50.5.1 850 UNE-P PBX DESIGN TRUNK Service Request (850UPDET) – Version 4020

Legend of Symbols in this transaction example

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

```
ST*850*TRAN SET CONTROL #
BEG*00*SS*PON SR-2**PO Date(See Trading Partner Access Information)
REF*11*AN SR-7* AN
REF*11*EAN<sup>EU-40</sup>*EAN
REF*JB*PROJECTLSR-20
REF*SU*RTR<sup>LSR-28</sup>*RTR
REF*CO*RPON<sup>LSR-51</sup>*RPON
REF*1V*RORD<sup>LSR-52</sup>*RORD
REF*12*BAN1<sup>LSR-61</sup>*BAN1
REF*OW*ORDRE-6*ORD
PAM*QU*HTQTY<sup>LSR-6</sup>*EA
PAM*48*PG_of_LSR-10(1st 2 Bytes)*EA
PAM*47*PG_of_LSR-10(2nd 2 Bytes)*EA
PAM*KC*DQTYEU-5*EA
PAM*QO*RSQTY<sup>RE-5</sup>*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>
DTM*992****TM*DFDT{HHMM}<sup>LSR-19</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*LS*LSO<sup>LSR-43</sup>
SI*TI*TY*TOSLSR-44
SI*TI*SS*SPECLSR-45
SI*TI*NC*NCLSR-46
SI*TI*NI* NCL
SI*TI*IW*IWOEU-36
PID*S**TI*AH***SO-RSQ*CHC<sup>LSR-22</sup>
\mathsf{PID^*S^{**}TI^*CONVIND^{***}SO\text{-}RSQ^*} \underline{\textit{CONVIND}}^{\mathsf{LSR-24a}}
PID*S**TI*AO***SO-RSQ*AGAUTH<sup>LSR-35</sup>
PID*S**TI*BI***SO-RSQ*FBI<sup>EU-42</sup>
N9*H7*ORI*LSR****2W>MANUAL IND<sup>LSR-108a</sup>
MTX**REMARKS
N9*H7*ORI*EU****2W>MANUAL IND<sup>EU-63a</sup>
MTX**REMARKS<sup>EU-63</sup>
N9*H7*ORI*RESALE****2W>MANUAL IND<sup>RE-60b</sup>
MTX**REMARKS.
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*IMPCON<sup>LSR-91</sup>*TE*TEL NO<sup>LSR-92</sup>*BN*PAGER<sup>LSR-93</sup>
PER*AL*ALT IMPCON<sup>LSR-94</sup>*TE*TEL NO<sup>LSR-95</sup>*BN*PAGER<sup>LSR-96</sup>
N1*AN*AUTHNM<sup>LSR-37</sup>
N1*X1*BILLNM<sup>EU-43</sup>
N2*SBILLNMEU-44
N4**STATE<sup>EU-49</sup>*ZIP<sup>EU-50</sup>
NX2*01*SANO<sup>EU-45b</sup>
NX2*02*SASN<sup>EU-45e</sup>
NX2*03*SASD<sup>EU-45d</sup>
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*SASSEU-45g
NX2*59*SAPR<sup>EU-45a</sup>
NX2*61*SASF<sup>EU-45c</sup>
NX2*62*SATH<sup>EU-45f</sup>
SI*TI*AF*AFT<sup>EU-44a</sup>
```

End User Form (Location and Access Section)

```
PO1*n*1*EA***ZZ* EU_SA
                                                               [PO1 Loop may repeat]
SI*TI*OP*WSOP<sup>EU-31</sup>*TN*WSOP TEL NO<sup>EU-31a</sup>
PID*S**TI*ANV***SO-RSQ*ANVEU-8a
REF*IX* LOCNUM EU-7*LOCNUM
N9*L1*ACC*EU
MTX**ACC<sup>EU-30</sup>
N1*IT*NAME<sup>EU-8</sup>
N4**STATE<sup>EU-25</sup>*ZIP<sup>EU-26</sup>**RJ*CALA<sup>EU-26</sup>a
NX2*01*SANO<sup>EU-11</sup>
NX2*02*SASN<sup>EU-14</sup>
NX2*03*SASD<sup>EU-13</sup>
NX2*05*BOX<sup>EU-23c</sup>
NX2*06*ROU<u>T</u>E<sup>EU-23b</sup>
NX2*07*CITY<sup>EU-24</sup>
NX2*39*AHN<sup>EU-23a</sup>
NX2*40*SASSEU-16
NX2*59*SAPR<sup>EU-10</sup>
NX2*61*SASF<sup>EU-12</sup>
```

NX2*62***SATH**^{EU-15} NX2*<u>LD1</u>^{EU-17}***LV1**^{EU-18} NX2*<u>LD2</u>^{EU-19}***LV2**^{EU-20} NX2*<u>LD3</u>^{EU-21}***LV3**^{EU-22} PER*CA***LCON**^{EU-27}*TE***TEL NO**^{EU-28} SI*TI*AF***AFT**^{EU-9}

End User Form (Disconnect Information Section)

PO1*n*1*EA***ZZ* *EU_DISC* [PO1 Loop may repeat]
SI*TI*ND**DISC NBR*^{EU-55}
SI*TI*T6**TC OPT*^{EU-57}
REF*IX* *DNUM*^{EU-54}* *DNUM*DTM*376**TC PER*{CCYYMMDD}^{EU-62}
SLN**TCPRI**n*A*1*EA
SI*TI*TC**TC TO PRI*^{EU-58}
N1*TT**TC NAME*^{EU-58b}
REF*55**TCID*^{EU-58a*} *PRI*SLN**TCSEC**n*A*1*EA
SI*TI*TC**TC TO SEC*^{EU-59}
N1*TT**TC NAME*^{EU-61}
REF*55**TCID*^{EU-60*} *SEC*

Resale Form (Service Details Section)

[PO1 Loop repeats **RSQTY**^{RE-5} times] PO1*n*1*EA***<u>ZZ</u>*, RE SI*TI*SA*LNA SI*TI*TN* **TNS**^{RE-15} SI*TI*OT* OTN RE-19 SI*TI*TQ***PTLI**^{RE-23} SI*TI*TD**PTKCON*^{RE-24} SI*TI*CN**ECCKT*^{RE-28} SI*TI*T6***TC OPT**RE-35 SI*TI*TS***SGNL**RE-50 SI*TI*SY***SSIG**RE-51 SI*TI*PE***PULSE**RE-52 PID*S**TI*AG***SO-RSQ***NIDR**^{RE-47} REF*IX* **LNUM**^{RE-9}* LNUM REF*GP* **TSP**^{RE-25} REF*AE***SAN**RE-26 DTM*376***TC PER**(CCYYMMDD)^{RE-40} N1*P9**41***PIC**^{RE-30} N1*8V**41**LPIC*^{RE-31} SLN*TCPRI*n*A*1*EA SI*TI*TC*TC TO PRI N1*TT* TC NAMERE-38b REF*55***TCID**^{RE-38a}*PRI SLN*TCSEC*n*A*1*EA [SLN Loop may repeat] SI*TI*TC***TC TO SEC**RE-39 N1*TT* TC NAME RE-42 REF*55*TCIDRE-41*SEC SLN*/W*n*A*/WJQRE-49*EA****EQ*/WJKRE-48 [SLN Loop may repeat per Inside Wiring pair] SLN**BL**n*A*1*EA SI*TI*BB**BA*^{RE-54}*TB**BLOCK*^{RE-55}

SLN**FA**n*A*1*EA SI*TI*SA**FA*^{RE-58}*SC**FEATURE*^{RE-59} SI*TI*FD**FEATURE DETAIL*^{RE-60} [SLN Loop may repeat per FA/FEATURE pair]

[SI Segment may repeat]

Regular Hunting

PO1*n*1*EA***ZZ**HG*SI*TI*SA*<u>*HA*</u>LSR-112
SI*TI*SG**HID*LSR-113
SI*TI*SF*<u>*HNTYP*</u>LSR-116
REF*IX**HNUM*LSR-110**HNUM*SLN**HNT**n*A*1*EA
N9*55**HTSEQ*MTX***HTSEQ*LSR-118

[If this segment appears, <u>HNTYP</u>LSR-116 = 5]

Multi-Line Hunting

PO1*n*1*EA***ZZ**ML*SI*TI*SA*<u>HA</u>^{LSR-112}
SI*TI*SG**HID*^{LSR-113}
SI*TI*SF*<u>HNTYP</u>^{LSR-116}
SI*TI*TQ**TLL*^{LSR-110}*
REF*IX* *HNUM*^{LSR-110}* *HNUM*SLN**MHNT**n*A*1*EA
N9*55**HTSEQ*MTX***HTSEQ*^{LSR-118}

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

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} 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} [PO1 Loop repeats **DDQTY**^{DL-23} times]

DL Form (Service Details Section)

PO1*n*1*EA***ZZ**DL**SH**RTY*^{DL-12} SI*TI*LB**LACT*^{DL-10} SI*TI*LE**LTY*^{DL-13} SI*TI*TW**STYC*^{DL-15}

[PO1 Loop may repeat]

```
SI*TI*BR*TOADL-16
SI*TI*DG*DOI<sup>DL-17</sup>
SI*TI*DN*DIRNAME<sup>DL-34</sup>
SI*TI*BO*BRODL-28
PID*S**TI*AR***SO-RSQ*<u>OMTN</u>DL-41
PID*S**TI*AS***SO-RSQ*<u>LNPL</u>DL-44
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*NOSLDL-26
PID*S**TI*AY***SO-RSQ*<u>TMKT</u><sup>DL-27</sup>
PID*S**TI*BA***SO-RSQ*PROFDL-32
REF*LI* ALP
N9*82*PLA
MTX**PLA<sup>DL-55</sup>
N9*82*LTXTY*LTXTY*DL-57
MTX**LTEXT<sup>DL-59</sup>
N9*H7*ORI* DL
MTX**REMARKSDL-113
N1*DH*LISTINGS
IN2*05*LNLN<sup>DL-45</sup>
IN2*02*LNFN<sup>DL-46</sup>*LNFN<sup>DL-46</sup>
IN2*21*DES<sup>DL-47</sup>
IN2*10*TL<sup>DL-48</sup>*TL
IN2*01*TITLE1<sup>DL-49</sup>*TITLE1
IN2*12*DESD<sup>DL-50a</sup>*DESD
IN2*10*TLD<sup>DL-51</sup>*TLD
IN2*01*TITLE1D<sup>DL-52</sup>*TITLE1D
IN2*18*NICK<sup>DL-54</sup>
N4**LAST<sup>DL-71</sup>
NX2*01*LANO<sup>DL-63</sup>
NX2*02*LASN<sup>DL-66</sup>
NX2*03*LASD<sup>DL-65</sup>
NX2*07*LALOC<sup>DL-70</sup>
NX2*18*LALO<sup>DL-69</sup>
NX2*40*LASS<sup>DL-68</sup>
NX2*59*LAPR<sup>DL-62</sup>
NX2*61*LASF DL-64
NX2*62*LATH<sup>DL-67</sup>
SI*TI*TN*LTN DL-39
SI*TI*NS*NSTN<sup>DL-40</sup>
```

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

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

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

50.5.2 UPDET 860 SUPP - Specific Fields - Version 4020

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

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

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

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

50.6 Data Dictionary

50.6.1 850 UNE-P PBX Design Trunk Service Request (850UPDET)

Functional Group ID=PO

Introduction:

The 850UPDET Service Request will be used by the Co-Provider to initiate a service request for UNE-P PBX Designed Trunk to Qwest.

This implementation guideline references the following:

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

Notes:

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

Heading:

	Pos. <u>No.</u>	Seg. <u>ID</u>	<u>Name</u>	Req. <u>Des</u> .	Max.Use	Loop Notes and RepeatComments
М	0100	ST	Transaction Set Header	М	1	
М	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	Ο	>1	
			LOOP ID - N9			1000
	2950	N9	Reference Identification	0	1	
	3000	MTX	Text	0	>1	
			LOOP ID - N1			200
	3100	N1	Name	0	1	
	3600	PER	Administrative Communications Contact	0	>1	

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

Detail:

	Pos. <u>No.</u>	Seg. <u>ID</u>	<u>Name</u>	Req. <u>Des.</u>	Max.Use	Loop Note RepeatCom	
			LOOP ID - PO1			100000	
M	0100	PO1	Baseline Item Data - End User Form	М	1		n1
	0180	SI	(Location and Access Section) Service Characteristic Identification	0	>1		
			LOOP ID - PID			1000	
	0500	PID	Product/Item Description	0	1		
	1000	REF	Reference Identification	0	>1		_
			LOOP ID - N9			1000	
	3300	N9	Reference Identification	0	1		
	3400	MTX	Text	0	>1		
			LOOP ID - N1			200	
	3500	N1	Name	0	1		
	3800	N4	Geographic Location	0	1		
	3850	NX2	Location ID Component	0	>1		
	4000	PER	Administrative Communications Contact	0	3		
	4050	SI	Service Characteristic Identification	0	>1		
			LOOP ID - PO1			100000	
M	0100	PO1	Baseline Item Data - End User Form (Disconnect Information Section)	М	1		n2
	0180	SI	Service Characteristic Identification	0	>1		
	1000	REF	Reference Identification	0	>1		
	2100	DTM	Date/Time Reference	0	10		
			LOOP ID - SLN			>1	
	4700	SLN	Subline Item Detail	0	1		
	4800	SI	Service Characteristic Identification	0	>1		
			LOOP ID - N1			10	
	5350	N1	Name	0	1		
	5800	REF	Reference Identification	0	12		
			LOOP ID - SLN			>1	
	4700	SLN	Subline Item Detail	0	1		
	4800	SI	Service Characteristic Identification	0	>1		
			LOOP ID - N1			10	
	5350	N1	Name	0	1		

	5800	REF	Reference Identification	0	12		
			LOOP ID - PO1			100000	
М	0100	PO1	Baseline Item Data - Resale Form (Service	М	1		n3
	0180	SI	Details Section) Service Characteristic Identification	0	>1		
			LOOP ID - PID			1000	
	0500	PID	Product/Item Description	0	1		
	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	Ο	12		
			LOOP ID - SLN			>1	
	4700	SLN	Subline Item Detail	0	1		
	4800	SI	Service Characteristic Identification	0	>1		
			LOOP ID - N1			10	
	5350	N1	Name	0	1		
	5800	REF	Reference Identification	0	12		
			LOOP ID - SLN			>1	
	4700	SLN	Subline Item Detail	0	1		
			LOOP ID - SLN			>1	
	4700	SLN	Subline Item Detail	0	1		
	4800	SI	Service Characteristic Identification	0	>1		
			LOOP ID - SLN			>1	
	4700	SLN	Subline Item Detail	0	1		
	4800	SI	Service Characteristic Identification	0	>1		
			LOOP ID - PO1			100000	
М	0100	PO1	Baseline Item Data - Regular Hunting	М	1		n4
	0180	SI	Service Characteristic Identification	0	>1		
	1000	REF	Reference Identification	0	>1		
			LOOP ID - SLN			>1	
	4700	SLN	Subline Item Detail	0	1		
	E220	NO	LOOP ID - N9 Reference Identification		1	>1	
	5230 5250	N9 MTX	Text	0	1 >1		
	0200	WITA	-			100000	
M	0400	DO4	LOOP ID - PO1	N.4	4	100000	n.E.
M	0100	PO1	Baseline Item Data - Multi-Line Hunting	М	1		n5

	0100	SI	Service Characteristic Identification	0	. 1		ı
	0180			0	>1		
	1000	REF	Reference Identification	0	>1		
	4700	OLNI	LOOP ID - SLN		4	>1	
	4700	SLN	Subline Item Detail	0	1		
			LOOP ID - N9			>1	
	5230	N9	Reference Identification	0	1		
	5250	MTX	Text	0	>1		
			LOOP ID - PO1			100000	
M	0100	PO1	Baseline Item Data - DL Form (Delivery	М	1		n6
	0180	SI	Address/Information Section) Service Characteristic Identification	0	>1		
			LOOP ID - QTY	-		>1	
	2930	QTY	Quantity	0	1		
	0000	OT/	LOOP ID - QTY			>1	
	2930	QTY	Quantity	0	1		
			LOOP ID - N1			200	
	3500	N1	Name	0	1		
	3800	N4	Geographic Location	0	1		
	3850	NX2	Location ID Component	0	>1		
			LOOP ID - PO1			100000	
M	0100	PO1	Baseline Item Data - DL Form (Service	М	1		n7
	0180	SI	Details Section) Service Characteristic Identification	0	>1		
	0100	01	LOOP ID - PID			1000	
	0500	PID	Product/Item Description	0	1	1000	
			·				
	1000	REF	Reference Identification	0	>1		
			LOOP ID - N9			1000	
	3300	N9	Reference Identification	0	1		
	3400	MTX	Text	0	>1		
			LOOP ID - N9			1000	
	3300	N9	Reference Identification	0	1		
	3400	MTX	Text	0	>1		
			LOOP ID - N9			1000	
	3300	N9	Reference Identification	0	1	.000	
	3400	MTX	Text	0	>1		
	0.00					000	
	0500	NI	LOOP ID - N1		4	200	
	3500	N1	Name	0	1		
	3650	IN2	Individual Name Structure Components	0	>1		
	3800	N4 NY2	Geographic Location	0	1		
	3850	NX2	Location ID Component	0	>1		
	4050	SI	Service Characteristic Identification	0	>1		
			LOOP ID - PO1			100000	
M	0100	PO1	Baseline Item Data - Dummy (DD)	М	1		n8

Summary:

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

Transaction Set Notes

- **1.** PO102 is required.
- **2.** PO102 is required.
- **3.** PO102 is required.
- **4.** PO102 is required.
- **5.** PO102 is required.
- **6.** PO102 is required.
- **7.** PO102 is required.
- **8.** PO102 is required.
- 9. The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

Segment: **ST** Transaction Set Header

Position: 0100

Loop:

Level: Heading Usage: Mandatory

Max Use:

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

Syntax Notes: Semantic Notes:

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

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

Comments:

Notes: ST*850*TRAN SET CONTROL #

Data Element Summary

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

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

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

Position: 0200

Loop:

Level: Heading Usage: Mandatory

Max Use: 1

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

transmit identifying numbers and dates

Syntax Notes:

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

Comments:

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

Data Element Summary

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>		
M	BEG01	353	Transaction Set Purpose Code	M	ID 2/2
			Code identifying purpose of transaction set		
			00 Original		
M	BEG02	92	Purchase Order Type Code	M	ID 2/2
			Code specifying the type of Purchase Order		
			SS Supply or Service Order		
M	BEG03	324	Purchase Order Number	M	AN 1/22
			Identifying number for Purchase Order assigned by the orderer/purchaser		
			PON (LSR-2) = Purchase Order Number		
M	BEG05	373	Date	M	DT 8/8
			Date expressed as CCYYMMDD		
			PO Date = Purchase Order Date (See Trading Partner Al Information)	ccess	3

REF Reference Identification Segment:

Position: 0500

Loop:

Level: Heading Usage: Optional Max Use: >1

Purpose: To specify identifying information

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

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

REF04 contains data relating to the value cited in REF02.

Semantic Notes: Comments:

Dof

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

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

Data Element Summary

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

Reference Identification X AN 1/30

Reference information as defined for a particular Transaction Set or as

specified by the Reference Identification Qualifier

AN (LSR-7) = Account Number

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

RORD (LSR-52) = Related Order Number BAN1 (LSR-61) = Billing Account Number 1

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

PAM Period Amount Segment:

Position: 0950

Loop:

Level: Heading Optional Usage: Max Use:

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

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

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. If PAM07 is present, then at least one of PAM08 or PAM09 is

required.

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

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: PAM10, PAM11, or PAM12 are used when two dates are required.

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

Comments:

Notes: PAM*QU*HTQTY(LSR-6)*EA

> PAM*48*PG of (LSR-10)(1st 2 Bytes)*EA PAM*47*PG_of_(LSR-10)(2nd 2 Bytes)*EA

PAM*KC*DQTY(EU-5)*EA PAM*QO*RSQTY(RE-5)*EA PAM*BH*DDQTY(DL-23)*EA

Data Element Summary

Ref.	Data	
Des.	Element	<u>Name</u>
<u> Attributes</u>		
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 QU Quantity Serviced

PAM02 380 Quantity R 1/15

Numeric value of quantity

HTQTY (LSR-6) = Hunt Group Quantity First 2 bytes of PG_of_ (LSR-10) Second 2 bytes of PG_of_ (LSR-10) DQTY (EU-5) = Disconnect Quantity

X ID 2/2

			RSQTY (RE-5) = Resale Quantity DDQTY (DL-23) = Number of Delivery Segments				
	PAM03	C001	Composite Unit of Measure	X			
			To identify a composite unit of measure (See Figures A examples of use)	ppend	dix for		
M	C00101	355	Unit or Basis for Measurement Code	M	ID 2/2		
			Code specifying the units in which a value is being expr manner in which a measurement has been taken EA Each	essed	, or		

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

Position: 1200

Loop: SAC Optional

Level: Heading Usage: Optional

Max Use: 1

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

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

or charge

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

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

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

5 If SAC11 is present, then SAC10 is required.

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

7 If SAC14 is present, then SAC13 is required.

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

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

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

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

3 SAC08 is the allowance or charge rate per unit.

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

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

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

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

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

Comments:

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

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

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

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

Data Element Summary

Ref. Data

Des. Element Name

Attributes

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

Code which indicates an allowance or charge for the service specified

		N	No Allowance or Charge		
SAC03	559	Agency Qualifie	r Code	X	ID 2/2
		Code identifying t	he agency assigning the code values		
		TI	Telecommunications Industry		
SAC04	1301	Agency Service Code	, Promotion, Allowance, or Charge	X	AN 1/10
		Agency maintaine or charge	ed code identifying the service, promotic	on, al	lowance,
		EXP	Expedited Service Charge		
		VT	Variable Term Contract Pricing Plan		
SAC15	352	Description		X	AN 1/80
		A free-form descri content	iption to clarify the related data element	s and	d their
		VTA (LSR-80) = \	/ariable Term Agreement		

Segment: DTM Date/Time Reference

Position: 1500

Loop:

Level: Heading Usage: Optional Max Use: 10

Purpose: To specify pertinent dates and times

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

If DTM04 is present, then DTM03 is required.

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

Semantic Notes: Comments:

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

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

Data Element Summary

	Data Element Summary								
	Ref.	Data							
	Des.	<u>Element</u>	<u>Name</u>						
М	Attributes DTM01	374	Data/Tima Qualif	ior	М	ID 3/3			
IVI	וטואווטו	3/4	Code specifying type of date or time, or both date and time			ID 3/3			
			097	Transaction Creation					
			150	Service Period Start					
			270	Date Filed					
			992	Date Requested					
	DTM02	373	Date		X	DT 8/8			
			Date expressed as CCYYMMDD						
			D/TSENT (LSR-12) = Date Sent						
			DDD (LSR-14) = Desired Due Date						
	DTM03	337	DATED (LSR-36) =	Date of Agency Authorization	X	TM 4/8			
	DIMOS	33 <i>1</i>		OA bassa alaak Kara aa fallassa LILINANA					
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes						
			(00-59), S = integer seconds (00-59) and DD = decimal seconds;						
			decimal seconds are expressed as follows: D = tenths (0-9) and DD =						
			hundredths (00-99)						
			D/TSENT{HHMM} (LSR-12) = Time Sent						
	DTM05	1250	Date Time Period Format Qualifier			ID 2/3			
			Code indicating the	ormat					
			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 i	s the	numerical			
	DTM06	1251	Date Time Period	expression of minutes within an hour	Х	AN 1/35			
	טטואו ו ש	1231							
			Expression of a date, a time, or range of dates, times or dates and times						
			DFDT (LSR-19) = Desired Frame Due Time						
			(,						

Segment: SI Service Characteristic Identification

Position: 1850

Loop:

Level: Heading Usage: Optional Max Use: >1

Purpose: To specify service characteristic data

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

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

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*RE*REQTYP(LSR-23)

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

Data Element Summary

	Ref.	Data		,		
	Des.	Element	<u>Name</u>			
	Attributes					
M	SI01	559	Agency Qualifier Code M		M	ID 2/2
			Code identifying the agency assigning the code values			
			TI	Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of servi characteristics			AN 2/2
			AA	Account Activity		
			IW	Inside Wire Options		
			LS	Local Serving Office		
			NC	Network Channel		
			NI	Network Channel Interface		
			RE	Requisition Type		
			SS	Service Sub-category		
			TY	Type of Service		
M	SI03	234	Product/Service	ID	M	AN 1/48

Identifying number for a product or service

ACT (LSR-24) = Activity

A=(DWS : N-New Installation)

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

C=(DWS : C-Change)

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

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

RS=(DWS : B-Restore)

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

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

M=(DWS : M-Inside Move)

REQTYP (LSR-23) = Requisition Type and Status

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

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

NC (LSR-46) = Network Channel Code

NCI (LSR-48) = Network Channel Interface Code

IWO (EU-36) = Inside Wire Options

PID Product/Item Description Segment:

1900 Position:

Comments:

Loop:

Level: Heading Optional Usage: Max Use: 200

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

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

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

If PID09 is present, then PID05 is required.

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

being referred to.

2 PID04 should be used for industry-specific product description

codes.

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

indeterminate.

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

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

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

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

PID07 specifies the individual code list of the agency specified in

PID03.

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

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

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

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

Data Element Summary

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

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

Qualifier

SO-RSQ Service Order - Reseller Questions list

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

Code indicating a Yes or No condition or response

CONVIND (LSR-24a) = Conversion Indicator

Y=(DWS : F-Full) N=(DWS : P-Partial)

FBI (EU-42) = Final Bill Information Indicator

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

Y=(DWS : D-Different)

CHC (LSR-22) = Coordinated Hot Cut

AGAUTH (LSR-35) = Agency Authorization Status

Segment: **N9** Reference Identification

Position: 2950

Loop: N9 Optional

Level: Heading Usage: Optional

Max Use: 1

Purpose: To transmit identifying information as specified by the Reference

Identification Qualifier

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

2 If N906 is present, then N905 is required.

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

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

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

Comments:

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

	Ref.	Data	Data Liomont	Sammary			
	Des.	Element	<u>Name</u>				
М	Attributes N901	128	Reference Identi	fication Qualifier	М	ID 2/3	
			Code qualifying the	e Reference Identification			
			H7	Standard Clause			
	N902	127	Reference Identi	fication	X	AN 1/30	
				tion as defined for a particular Transac eference Identification Qualifier Order Instructions	tion S	Set or as	
	N903	369	Free-form Descri	ption	X	AN 1/45	
			Free-form descript	ee-form descriptive text			
			"LSR"				
	N907	C040	Reference Identi	fier	0		
			specified by the Re		on nu	mbers as	
M	C04001	128	Reference Identi	fication Qualifier	M	ID 2/3	
			Code qualifying the	e Reference Identification			
			2W	Change Order Authority			
M	C04002	127	Reference Identi	fication	M	AN 1/30	
				tion as defined for a particular Transace eference Identification Qualifier	tion S	Set or as	
			MANUAL IND (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: 1

Purpose: To transmit identifying information as specified by the Reference

Identification Qualifier

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

2 If N906 is present, then N905 is required.

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

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

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

Comments:

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

			Data Licii	nent oanmay			
	Ref.	Data					
	Des.	<u>Element</u>	<u>Name</u>				
	<u>Attributes</u>						
М	N901	128	Reference I	dentification Qualifier	М	ID 2/3	
			Code qualifyi	ng the Reference Identification			
			H7	Standard Clause			
	N902	127	Reference I	dentification	X	AN 1/30	
				formation as defined for a particular Tra the Reference Identification Qualifier Order Instructions	nsaction S	Set or as	
	N903	369	Free-form D	escription	X	AN 1/45	
			Free-form de	scriptive text			
			"EU"				
	N907	C040	Reference I	dentifier	0		
			specified by t	ne or more reference numbers or identifi the Reference Qualifier	cation nur	mbers as	
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 I	dentification	M	AN 1/30	
				Reference information as defined for a particular Transaction Set or a 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 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	nent Gamma y			
	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	ode qualifying the Reference Identification			
			H7	Standard Clause			
	N902	127	Reference I	dentification	X	AN 1/30	
				formation as defined for a particular Tra the Reference Identification Qualifier Order Instructions	nsaction 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 identif the Reference Qualifier			
М	C04001	128	Reference I	dentification Qualifier	M	ID 2/3	
			Code qualifyi	ng the Reference Identification			
			2W	Change Order Authority			
M	C04002	127	Reference I	dentification	M	AN 1/30	
			specified by	Reference information as defined for a particular Transaction Set or 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 Usage: Optional

Max Use:

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

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

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

Semantic Notes:

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

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

transaction processing party.

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

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

Data Element Summary

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

Free-form name

CCNA (LSR-1) = Customer Carrier Name Abbreviation

Segment: PER Administrative Communications Contact

Position: 3600

Loop: N1 Optional

Level: Heading
Usage: Optional
Max Use: >1

iviax USe: >

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

should be directed

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

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

Semantic Notes: Comments:

Notes: PER*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</u> <u>Name</u> <u>Attributes</u>

M PER01 366 Contact Function Code M ID 2/2

Code identifying the major duty or responsibility of the 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		
365	Communication Number Qualifier	Χ	ID 2/2
	Code identifying the type of communication number		
	EM Electronic Mail		
364	Communication Number	X	AN 1/256
	applicable	area (code when
		PAGER (LSR-93) = Pager Number PAGER (LSR-96) = Pager Number Communication Number Qualifier Code identifying the type of communication number EM Electronic Mail Communication Number Complete communications number including country or	PAGER (LSR-93) = Pager Number PAGER (LSR-96) = Pager Number Communication Number Qualifier X Code identifying the type of communication number EM Electronic Mail Communication Number X Complete communications number including country or area of applicable

Segment: N1 Name

Position: 3100

Loop: N1 Optional

Level: Heading Usage: Optional

Max Use: 1

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

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

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

Semantic Notes:

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

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

transaction processing party.

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

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

Data Element Summary

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

Free-form name

AUTHNM (LSR-37) = Authorization Name

Segment: N1 Name

Position: 3100

Loop: N1 Optional

Level: Heading Usage: Optional

Max Use: 1

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

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

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

Semantic Notes:

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

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

transaction processing party.

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

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

Data Element Summary

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

Free-form name

BILLNM (EU-43) = Bill Name

Segment: N2 Additional Name Information

Position: 3200

Loop: N1 Optional

Level: Heading Usage: Optional

Max Use: 2

Purpose: To specify additional names

Syntax Notes: Semantic Notes:

Comments:

Notes: N2*SBILLNM(EU-44)

Data Element Summary

Ref. Data

Des. Element Name

<u>Attributes</u>

M N201 93 Name M AN 1/60

Free-form name

SBILLNM (EU-44) = Secondary Bill Name

N4 Geographic Location Segment:

Position: 3400

> N1 Loop: Optional

Level: Heading Usage: Optional

Max Use:

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

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

Semantic Notes:

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

be adequate to specify a location.

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 N403

ID 3/15 116

> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)

ZIP (EU-50) = ZIP/Postal Code

NX2 Location ID Component Segment:

Position: 3450

> N1 Loop: Optional

Level: Heading Usage: Optional Max Use:

Purpose: To define types and values of a geographic location

Syntax Notes: Semantic Notes: Comments:

Notes:

NX2*01*SANO(EU-45b) NX2*02*SASN(EU-45e) NX2*03*SASD(EU-45d) NX2*07*CITY(EU-48) NX2*32*FLOOR(EU-46)

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

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

Data Element Summary

	Ref. Des.	Data Element	<u>Name</u>	•		
М	Attributes NX201	1106	Address Compo	nent Qualifier	М	ID 2/2
	-		•	e type of address component		
			01	Street Number		
			02	Street Name		
			03	Prefix Direction		
			07	City Name		
			32	Floor		
				A particular floor or level of a building		
			35	Room		
				A walled room or partitioned area of a	a buil	lding
			40	Street Suffix		
			59	Street Number Low		
			61	Street Number Fraction		
			62	Street Name Suffix		
M	NX202	166	Address Informat	ion	M	AN 1/55

Address information

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

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

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

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

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

SAPR (EU-45a) = Service Address Number Prefix SASF (EU-45c) = Street Address Number Suffix SATH (EU-45f) = Service Address Street Type

Segment: SI Service Characteristic Identification

Position: 3650

Loop: N1 Optional

Level: Heading
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

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

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

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

Semantic Notes:

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

qualifiers.

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

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

Data Element Summary

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

"EU_SA"

Segment: SI Service Characteristic Identification

Position: 0180

Loop: PO1 Mandatory

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

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

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

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

Semantic Notes:

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

qualifiers.

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

Data Element Summary

	Ref. Des.	Data <u>Element</u>	Name		
NA	Attributes	EEO	Agency Ovelifier Code	N.4	ID 2/2
M	SI01	559	Agency Qualifier Code	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2
			Code from an industry code list qualifying the type of serv characteristics	ice	
			OP Working Service on Premises		
M	SI03	234	Product/Service ID	М	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 characteristics	ice	
			TN Telephone Number		
	SI05	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
			WSOP TEL NO (EU-31a) = Working Service on Premises	Tele	ephone

Number

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.

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

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

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

used.

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

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

PID03.

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

			Data Lioinoni	- annual y		
	Ref.	Data				
	Des.	Element	<u>Name</u>			
	Attributes					
M	PID01	349	Item Description	Туре	M	ID 1/1
			Code indicating the	e format of a description		
			S	Structured (From Industry Code List)		
	PID03	559	Agency Qualifier	Code	X	ID 2/2
			Code identifying th	ne agency assigning the code values		
			TI	Telecommunications Industry		
	PID04	751	Product Descript	ion Code	X	AN 1/12
			product characteri		data	about a
			ANV	Address Not Valid Indicator		
	PID07	822	Source Subquali	ifier	0	AN 1/15
			A reference that in Qualifier	ndicates the table or text maintained by	the S	Source
			SO-RSQ	Service Order - Reseller Questions lis	st	
	PID08	1073	Yes/No Condition	or Response Code	0	ID 1/1
			Code indicating a	Yes or No condition or response		
			ANV (EU-8a) = Ad	Idress Not Validated Indicator		

Segment: REF Reference Identification

Position: 1000

Loop: PO1 Mandatory

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify identifying information

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

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

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

Comments:

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

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

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*L1*ACC*EU

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

Segment: MTX Text

Position: 3400

Loop: N9 Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify textual data

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

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

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

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

then MTX05 is required.

Notes: MTX**ACC(EU-30)

Data Element Summary

Ref. Data

Des. Element Name

Attributes

MTX02 1551 Message Text X AN 1/4096

To transmit large volumes of message text

ACC (EU-30) = Access Information

Segment: N1 Name

Position: 3500

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use:

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

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

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

Semantic Notes:

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

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

transaction processing party.

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

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

Data Element Summary

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

Free-form name

NAME (EU-8) = End User Name

Segment: N4 Geographic Location

Position: 3800

Loop: N1 Optional

Level: Detail
Usage: Optional

Max Use: 1

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

Only one of N402 or N407 may be present.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.	Element	<u>Name</u>		
Attributes				
N402	156	State or Province Code	Χ	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	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

M ID 2/2

Code qualifying the type of address component

LD1(EU-17) = Location Designator 1 13=(DWS: APT) 34=(DWS: LOT) 35=(DWS: RM) 36=(DWS: SLIP) 37=(DWS: UNIT) 14=(DWS: SUIT)

LD2(EU-19) = Location Designator 2

32=(DWS: FLR)

LD3(EU-21) = Location Designator 3

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

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

O7 City Name12 Building Name

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

М

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

Position: 4000

Loop: N1 Optional

Level: Detail
Usage: Optional

Max Use: 3

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

should be directed

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

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

Semantic Notes: Comments:

Comments

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

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>		
М	PER01	366	Contact Function Code	M	ID 2/2
			Code identifying the major duty or responsibility on named	·	or group
			CA Customer Contact Granting	Appointment	
	PER02	93	Name	0	AN 1/60
			Free-form name		
			LCON (EU-27) = Local Contact		
	PER03	365	Communication Number Qualifier	Х	ID 2/2
			Code identifying the type of communication num	ber	
			TE Telephone		
	PER04	364	Communication Number	Х	AN 1/256
			Complete communications number including cou applicable	ıntry or area o	code when
			TEL NO (EU-28) = Telephone Number		

Segment: SI Service Characteristic Identification

Position: 4050

Loop: N1 Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

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

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

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

Semantic Notes:

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

qualifiers.

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

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

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.

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

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

Semantic Notes:

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

2 PO101 is the line item identification.

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

ISBN No., Model No., or SKU.

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

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

Segment: SI Service Characteristic Identification

Position: 0180

Loop: PO1 Mandatory

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

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

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

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

Semantic Notes:

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

qualifiers.

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

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

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>	·		
M	SI01	559	Agency Qualifier	Code	M	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	ustry code list qualifying the type of serv	rice	
			ND	Disconnect Number		
			T6	Transfer of Calls Options		
M	SI03	234	Product/Service	ID	M	AN 1/48
			Identifying number	r for a product or service		
				s) = Disconnect Telephone Number = Transfer of Call Options		

Segment: REF Reference Identification

Position: 1000

Loop: PO1 Mandatory

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify identifying information

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

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

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

Comments:

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

			Data Liement Jumnary		
	Ref.	Data			
	Des.	<u>Element</u>	<u>Name</u>		
	<u>Attributes</u>				
М	REF01	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			IX Item Number		
	REF02	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transacti 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"		

Segment: DTM Date/Time Reference

Position: 2100

Loop: PO1 Mandatory

Level: Detail
Usage: Optional
Max Use: 10

Purpose: To specify pertinent dates and times

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

If DTM04 is present, then DTM03 is required.

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

Semantic Notes:

Comments:

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

Data Element Summary

Ref. Data

Des. Element Name

Attributes

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

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

376 Delivery End

The date that deliveries will end

DTM02 373 Date X DT 8/8

Date expressed as CCYYMMDD

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

Segment: SLN Subline Item Detail

Position: 4700

Loop: SLN Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To specify product subline detail item data

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

	Ref.	Data			
	Des.	Element	<u>Name</u>		
	<u>Attributes</u>				
М	SLN01	350	Assigned Identification	М	AN 1/20
			Alphanumeric characters assigned for differentiation within set	n a tı	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 (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: 4800

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

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

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

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

Semantic Notes:

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

qualifiers.

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

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>		
M	SI01	559	Agency Qualifier Code	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2
			Code from an industry code list qualifying the type of 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 (EU-58) = Transfer of Calls to Primary Numbe	r	

Name Segment:

Position: 5350

> Loop: N1 Optional

Level: Detail Usage: Optional

Max Use:

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

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

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

Semantic Notes:

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

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

transaction processing party.

Free-form name

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

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

Data Element Summary

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

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

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 Liciniciti Gainmary		
	Ref.	Data			
	Des.	Element	<u>Name</u>		
	Attributes				
M	REF01	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			55 Sequence Number		
	REF02	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transa specified by the Reference Identification Qualifier	ction \$	Set or as
			TCID (EU-58a) = Transfer of Calls to Identifier		
	REF03	352	Description	Χ	AN 1/80
			A free-form description to clarify the related data elemer content	its an	d their
			"PRI"		

Segment: SLN Subline Item Detail

Position: 4700

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 SLN23 or SLN24 is present, then the other is required.

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

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

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

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

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

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

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

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

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

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

	Ref.	Data			
	<u>Des.</u>	<u>Element</u>	<u>Name</u>		
	<u>Attributes</u>				
M	SLN01	350	Assigned Identification	M	AN 1/20
			Alphanumeric characters assigned for differentiation within	n a t	ransaction
			set		
			"TCSEC"		
	SLN02	350	Assigned Identification	0	AN 1/20
			Alphanumeric characters assigned for differentiation within set	nat	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
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	•

Position: 4800

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

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

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

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

Semantic Notes:

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

qualifiers.

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

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>		
M	SI01	559	Agency Qualifier Code	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2
			Code from an industry code list qualifying the type of serv characteristics	ice	
			TC Transfer Announcement Number		
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
			TC TO SEC (EU-59) = Transfer of Calls to Secondary Nur	nber	•

Segment: N1 Name

Position: 5350

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use:

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

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

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

Semantic Notes:

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

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

transaction processing party.

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

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

Data Element Summary

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

Free-form name

TC NAME (EU-61) = Transfer of Calls to Name

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

					
Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>			
REF01	128	Reference	Identification Qualifier	М	ID 2/3
		Code qualify	ring the Reference Identification		
		55	Sequence Number		
REF02	127	Reference	Identification	X	AN 1/30
			nformation as defined for a particular Transac the Reference Identification Qualifier	tion	Set or as
		TCID (EU-60)) = Transfer of Calls to Identifier		
REF03	352	Description		Χ	AN 1/80
		A free-form of content	description to clarify the related data element	s an	d 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.

If PO105 is present, then PO104 is required.

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

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

Semantic Notes:

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

2 PO101 is the line item identification.

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

ISBN No., Model No., or SKU.

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

Ref.	Data	·		
Des.	<u>Element</u>	<u>Name</u>		
<u>Attributes</u>	050	A color of the office of a	_	ANI 4/00
PO101	350	Assigned Identification	0	AN 1/20
		Alphanumeric characters assigned for differentiation within set	n a tı	ransaction
		"n" = nth assigned ID within PO1 loop		
PO102	330	Quantity Ordered	X	R 1/15
		Quantity ordered		
		1 Always One		
PO103	355	Unit or Basis for Measurement Code	0	ID 2/2
		Code specifying the units in which a value is being expression manner in which a measurement has been taken EA Each	ssed,	or
PO106	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive numbe Product/Service ID (234) ZZ Mutually Defined	r use	ed in
PO107	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
		"RF"		

Position: 0180

Loop: PO1 Mandatory

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

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

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

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

Semantic Notes:

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

qualifiers.

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

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

Data Element Summary

	Ref.	Data		•		
	Des.	<u>Element</u>	<u>Name</u>			
	<u>Attributes</u>	550	A O	0-4-		ID 0/0
M	SI01	559	Agency Qualifier		M	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 indu	ustry code list qualifying the type of serv	/ice	
			characteristics			
			CN	Circuit Number Identification		
			OT	Out Telephone Number		
			PE	Pulse Type		
			SA	Service Activity		
			SY	Start Signaling		
			T6	Transfer of Calls Options		
			TD	Transmission Duplex		
			TN	Telephone Number		
			TQ	Telephone Line Identifier		
			TS	Type of Signaling		
M	SI03	234	Product/Service	ID	M	AN 1/48

Identifying number for a product or service

LNA (RE-12) = Line Activity CT=(DWS : X-TN Change) C=(DWS : C-Change)

A=(DWS : N-New)

D=(DWS : D-Disconnect)

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

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

TNS (RE-15) = Telephone Numbers

OTN (RE-19) = Out Telephone Number

PTLI (RE-23) = PBX Lead Telephone Line

PTKCON (RE-24) = PBX Trunk Configuration

ECCKT (RE-28) = Exchange Company Circuit ID

TC OPT (RE-35) = Transfer of Call Options

SGNL (RE-50) = Signaling

SSIG (RE-51) = Start Signaling

PULSE (RE-52) = Type of Pulsing

Segment: PID Product/Item Description

Position: 0500

Loop: PID Optional

Level: Detail
Usage: Optional

Max Use: 1

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

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

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

5 If PID09 is present, then PID05 is required.

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

being referred to.

2 PID04 should be used for industry-specific product description

codes.

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

indeterminate.

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

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

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

used.

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

being described in the segment.

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

PID03.

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

			Data Licinciit	ounning y			
	Ref. Des.	Data <u>Element</u>	<u>Name</u>				
М	Attributes PID01	349	Item Description	Type	М	ID 1/1	
IVI	1 1001	343	•		IVI	ווו טו	
			Code indicating th	e format of a description			
			S	Structured (From Industry Code List)			
	PID03	559	Agency Qualifier	Code	X	ID 2/2	
			Code identifying the	ne agency assigning the code values			
			Π	Telecommunications Industry			
	PID04	751	Product Descript	ion Code	X	AN 1/12	
			A code from an in product character AG	dustry code list which provides specific istic Network Interface Device Request	data	about a	
	PID07	822	Source Subqual	ifier	0	AN 1/15	
			A reference that in Qualifier	ndicates the table or text maintained by	the	Source	
			SO-RSQ	Service Order - Reseller Questions lis	st		
	PID08	1073	Yes/No Condition	n or Response Code	0	ID 1/1	
			Code indicating a	Yes or No condition or response			
			NIDR (RE-47) = NID Request				

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:

Ref.

REF03

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

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

Data Element Summary

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

Data

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 **352 Description**

A first description to plant the related data plants and their

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

content

"LNUM"

X

AN 1/80

Segment: DTM Date/Time Reference

Position: 2100

Loop: PO1 Mandatory

Level: Detail
Usage: Optional
Max Use: 10

Purpose: To specify pertinent dates and times

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

If DTM04 is present, then DTM03 is required.

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

Semantic Notes:

Comments:

Notes: DTM*376*TC PER{CCYYMMDD}(RE-40)

Data Element Summary

Ref. Data

Des. Element Name

Attributes

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

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

376 Delivery End

The date that deliveries will end

DTM02 373 Date X DT 8/8

Date expressed as CCYYMMDD

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

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 Lielliellt	Julilliai y		
	Ref. <u>Des.</u>	Data <u>Element</u>	<u>Name</u>	•		
	<u>Attributes</u>					
M	N101	98	Entity Identifier C	Code	M	ID 2/3
			Code identifying a an individual	n organizational entity, a physical locat	tion, p	property or
			P9	Primary Interexchange Carrier (PIC)		
				Identifies the carrier who will handle the interexchange calls	he	
	N103	66	Identification Co	de Qualifier	X	ID 1/2
			Code designating Identification Code	the system/method of code structure u (67)	sed f	or
			41	Telecommunications Carrier Identifica	ation	Code
				Identifies the Interexchange carrier fo being billed	r the	charges
	N104	67	Identification Co	de	X	AN 2/80
			Code identifying a	party or other code		
			PIC (RE-30) = Interest	rLATA 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)

			Data Element	Summary			
	Ref.	Data					
	Des.	Element	Name				
	Attributes						
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 T	ransp	ort Area)	
				Carrier	•	•	
	N103	66	Identification Co	ode Qualifier	X	ID 1/2	
			Code designating Identification Code	the system/method of code structure (e (67)	used	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) = IntraLATA Pre-subscription Indicator Code				

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.

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

Position: 4800

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

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

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

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

Semantic Notes:

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

qualifiers.

Notes: SI*TI*TC*TC TO PRI(RE-38)

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>		
M	SI01	559	Agency Qualifier Code	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2
			Code from an industry code list qualifying the type of serv characteristics	ice	
			TC Transfer Announcement Number		
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
			TC TO PRI (RE-38) = Transfer of Calls To Primary Number	r	

Segment: N1 Name

Position: 5350

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use:

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

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

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

Semantic Notes:

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

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

transaction processing party.

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

Notes: N1*TT*TC NAME(RE-38b)

Data Element Summary

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

Free-form name

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

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

	Ref. <u>Des.</u> Attributes	Data Element	Name		
M	REF01	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			55 Sequence Number		
	REF02	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular specified by the Reference Identification Qualified		et or as
			TCID (RE-38a) = Transfer of Calls to Identifier		
	REF03	352	Description	X	AN 1/80
			A free-form description to clarify the related data content "PRI"	a elements and	their

Segment: SLN Subline Item Detail

Position: 4700

Loop: SLN Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To specify product subline detail item data

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

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

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

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

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

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

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

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

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

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

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

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

Position: 4800

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

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

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

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

Semantic Notes:

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

qualifiers.

Notes: SI*TI*TC*TC TO SEC(RE-39)

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>		
M	SI01	559	Agency Qualifier Code	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2
			Code from an industry code list qualifying the type of serv characteristics	ice	
			TC Transfer Announcement Number		
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
			TC TO SEC (RE-39) = Transfer of Calls To Secondary Nu	mbe	r

Segment: N1 Name

Position: 5350

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use:

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

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

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

Semantic Notes:

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

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

transaction processing party.

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

Notes: N1*TT*TC NAME(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

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

		- u.u - .0.			
Ref. <u>Des.</u>	Data <u>Element</u>	<u>Name</u>			
Attributes REF01	128	Reference	Identification Qualifier	М	ID 2/3
		Code qualify	ring the Reference Identification		
		55	Sequence Number		
REF02	127	Reference	Identification	X	AN 1/30
			nformation as defined for a particular Transac the Reference Identification Qualifier	tion	Set or as
		TCID (RE-41	1) = Transfer of Calls to Identifier		
REF03	352	Description	l	Χ	AN 1/80
		A free-form of content	description to clarify the related data element	s an	d their
		"SEC"			

Segment: SLN Subline Item Detail

Position: 4700

Loop: SLN Optional

Level: Detail Usage: Optional

Max Use:

Purpose: To specify product subline detail item data

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Inside Wiring pair]

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

			Numeric value of quantity		
			IWJQ (RE-49) = Inside Wire Jack Quantity		
	SLN05	C001	Composite Unit of Measure	Χ	
			To identify a composite unit of measure (See Figures A examples of use)	Append	dix for
M	C00101	355	Unit or Basis for Measurement Code	M	ID 2/2
			Code specifying the units in which a value is being expression manner in which a measurement has been taken EA Each	essed	l, or
	SLN09	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive numl Product/Service ID (234) EQ Equipment Type	oer us	ed in
	SLN10	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
			IWJK (RE-48) = Inside Wire Jack Code		

SLN Subline Item Detail Segment:

Position: 4700

> Loop: SLN Optional

Level: Detail Usage: Optional

Max Use:

Semantic Notes:

Updated: January 21, 2002

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.

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*BL*n*A*1*EA

	Ref. Des.	Data <u>Element</u>	<u>Name</u>		
М	Attributes SLN01	350	Assigned Identification	М	AN 1/20
IVI	SLINUT	330	Assigned Identification Alphanumeric characters assigned for differentiation withis set "BL"		
	SLN02	350	Assigned Identification	0	AN 1/20
			Alphanumeric characters assigned for differentiation within set	n a t	ransaction
			"n" = nth assigned ID within SLN loop		
M	SLN03	662	Relationship Code	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
M	C00101	355	To identify a composite unit of measure (Sexamples of use) Unit or Basis for Measurement Code	Gee Figures Appendix for M ID 2/2
			Code specifying the units in which a value manner in which a measurement has been EA Each	• .

Position: 4800

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

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

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

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

Semantic Notes:

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

qualifiers.

Notes: SI*TI*BB*BA(RE-54)*TB*BLOCK(RE-55)

	Ref.	Data			
	Des.	Element	<u>Name</u>		
	<u>Attributes</u>				
M	SI01	559	Agency Qualifier Code	М	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2
			Code from an industry code list qualifying the type of service characteristics	rice	
			BB Blocking Activity		
M	SI03	234	Product/Service ID	М	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 serv characteristics	rice	
			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.
If either SLN13 or SLN14 is present, then the other is required.

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

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

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

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

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

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

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

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

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

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

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

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

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

	Ref.	Data Element	Name		
	<u>Des.</u> Attributes	Element	Name		
M	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	M	ID 1/1
			Code indicating the relationship between entities		
			A Add		
	SLN04	380	Quantity	X	R 1/15
			Numeric value of quantity		

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

Position: 4800

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

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

If either SI06 or SI07 is present, then the other is required.
If either SI08 or SI09 is present, then the other is required.
If either SI10 or SI11 is present, then the other is required.
If either SI12 or SI13 is present, then the other is required.
If either SI14 or SI15 is present, then the other is required.
If either SI16 or SI17 is present, then the other is required.
If either SI18 or SI19 is present, then the other is required.
If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

Comments: 1 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]

			Data Element	Summary		
	Ref.	Data				
	<u>Des.</u>	<u>Element</u>	<u>Name</u>			
	Attributes					
M	SI01	559	Agency Qualifier	Code	M	ID 2/2
			Code identifying th	e agency assigning the code values		
			Π	Telecommunications Industry		
M	SI02	1000	Service Characte	ristics Qualifier	M	AN 2/2
			Code from an indu characteristics	stry code list qualifying the type of serv	ice	
			FD	Feature Data		
			SA	Service Activity		
M	SI03	234	Product/Service	ID	M	AN 1/48
			Identifying number	for a product or service		
			D = (DWS: D-Di V = (DWS: V-Co CT = (DWS: T-C	dd) Change (old values)) sconnect) onversion As Specified) change (new values))		
	010.4	4000		. (RE-60) = Feature Detail	.,	ANI 0/0
	SI04	1000	Service Characte	eristics Qualifier	X	AN 2/2
			Code from an indu characteristics SC	stry code list qualifying the type of serv Service Category	ice	
	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 - Regular Hunting

Position: 0100

Loop: PO1 Mandatory

Level: Detail Usage: Mandatory

Max Use: 1

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

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

2 If PO105 is present, then PO104 is required.

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

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

Semantic Notes:

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

2 PO101 is the line item identification.

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

ISBN No., Model No., or SKU.

Notes: PO1*n*1*EA***ZZ*HG [If this segment appears, HNTYP(LSR-116) = 5]

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

Position: 0180

Loop: PO1 Mandatory

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

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

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

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

Semantic Notes:

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

qualifiers.

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

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

Data Element Summary

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

Identifying number for a product or service

HA (LSR-112) = Hunt Group Activity

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

V = (DWS: V-Conversion As Specified)

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

HID (LSR-113) = Hunt Group Identifier

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.

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

Semantic Notes: Comments:

Notes: REF*IX*HNUM(LSR-110)*HNUM

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

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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

			1 Always One	
	SLN05	C001	Composite Unit of Measure	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: **N9** Reference Identification

Position: 5230

Loop: N9 Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To transmit identifying information as specified by the Reference

Identification Qualifier

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

2 If N906 is present, then N905 is required.

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

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

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

Comments:

Notes: N9*55*HTSEQ

Data Element Summary

Ref. Data
Des. Element
Attributes

M N901 128 Reference Identification Qualifier M ID 2/3

Code qualifying the Reference Identification
55 Sequence Number

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

"HTSEQ"

Segment: MTX Text

Position: 5250

Loop: N9 Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify textual data

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

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

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

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

then MTX05 is required.

Notes: MTX**HTSEQ(LSR-118)

Data Element Summary

Ref. Data

Des. Element Name

Attributes

MTX02 1551 Message Text X AN 1/4096

To transmit large volumes of message text

HTSEQ (LSR-118) = Hunting Sequence

Segment: PO1 Baseline Item Data - Multi-Line Hunting

Position: 0100

Loop: PO1 Mandatory

Level: Detail Usage: Mandatory

Max Use: 1

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

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

If PO105 is present, then PO104 is required.

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

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*ML [If this segment appears, HNTYP(LSR-116) = 4]

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

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

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

Semantic Notes:

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

qualifiers.

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

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

Data Element Summary

	Ref. <u>Des.</u> <u>Attributes</u>	Data <u>Element</u>	<u>Name</u>	•		
M	SI01	559	Agency Qualifie	r Code	M	ID 2/2
			Code identifying t	he agency assigning the code values		
			ΤI	Telecommunications Industry		
M	SI02	1000	Service Charact	eristics Qualifier	M	AN 2/2
			Code from an ind	ustry code list qualifying the type of ser	vice	
			characteristics			
			SA	Service Activity		
			SF	Service Feature/Option		
			SG	Service Group		
			TQ	Telephone Line Identifier		
M	SI03	234	Product/Service	ID	M	AN 1/48
			Identifying numbe	r for a product or service		
			HA (LSR-112) = H	Hunt Group Activity		

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

D = (DWS: D-Remove)

V = (DWS: V-Conversion As Specified)

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

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

Position: 1000

Loop: PO1 Mandatory

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify identifying information

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

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

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

Comments:

Notes: REF*IX*HNUM(LSR-110)*HNUM

			Data Elomont Cammary		
	Ref. <u>Des.</u>	Data Element	<u>Name</u>		
М	Attributes REF01	128	Reference Identification Qualifier	М	ID 2/3
			Code qualifying the Reference Identification		
			IX Item Number		
	REF02	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Trapecified by the Reference Identification Qualifier	ransaction S	Set or as
			HNUM (LSR-110) = Hunt Number		
	REF03	352	Description	Х	AN 1/80
A free-form description to clarify the rel			A free-form description to clarify the related data el content	lements and	d their
			"HNUM"		

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.

10 If either SLN21 or SLN22 is present, then the other is required.
11 If either SLN23 or SLN24 is present, then the other is required.
12 If either SLN25 or SLN26 is present, then the other is required.

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

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

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

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

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

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

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

to relate to baseline number 1.

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

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

	Ref.	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
			"MHNT"		
	SLN02	350	Assigned Identification	0	AN 1/20
			Alphanumeric characters assigned for differentiation within set	n a t	ransaction
			"n" = nth assigned ID within SLN loop		
M	SLN03	662	Relationship Code	М	ID 1/1
			Code indicating the relationship between entities		
			A Add		
	SLN04	380	Quantity	X	R 1/15
			Numeric 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: **N9** Reference Identification

Position: 5230

Loop: N9 Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To transmit identifying information as specified by the Reference

Identification Qualifier

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

2 If N906 is present, then N905 is required.

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

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

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

Comments:

Notes: N9*55*HTSEQ

Data Element Summary

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

Reference information as defined for a particular Transaction Set or as

specified by the Reference Identification Qualifier

"HTSEQ"

MTX Text Segment:

Position: 5250

N9 Optional Loop:

Level: Detail Usage: Optional >1 Max Use:

Purpose: To specify textual data

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

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

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

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

then MTX05 is required.

MTX**HTSEQ(LSR-118) Notes:

Data Element Summary

Ref. Data

Element Name Des.

Attributes

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

To transmit large volumes of message text

HTSEQ (LSR-118) = Hunting Sequence

Segment: PO1 Baseline Item Data - DL Form (Delivery

Address/Information Section)

Position: 0100

Loop: PO1 Mandatory

Level: Detail Usage: Mandatory

Max Use: 1

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

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

2 If PO105 is present, then PO104 is required.

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

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

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

Semantic Notes:

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

2 PO101 is the line item identification.

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

ISBN No., Model No., or SKU.

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

Ref.	Data			
Des.	<u>Element</u>	<u>Name</u>		
Attributes	050	Assets as III to offer all a	_	ANI 4/00
PO101	350	Assigned Identification	0	AN 1/20
		Alphanumeric characters assigned for differentiation within set	n a t	ransaction
		"n" = nth assigned ID within PO1 loop		
PO102	330	Quantity Ordered	X	R 1/15
		Quantity ordered		
		1 Always One		
PO103	355	Unit or Basis for Measurement Code	0	ID 2/2
		Code specifying the units in which a value is being expression manner in which a measurement has been taken EA Each	sed,	or
PO106	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive numbe Product/Service ID (234) ZZ Mutually Defined	r use	ed in
PO107	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
		"DA"		

Segment: SI Service Characteristic Identification

Position: 0180

Loop: PO1 Mandatory

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

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

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

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

Semantic Notes:

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

qualifiers.

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

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

Segment: QTY Quantity

Position: 2930

Loop: QTY Optional

Level: Detail
Usage: Optional

Max Use: 1

Purpose: To specify quantity information

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

2 Only one of QTY02 or QTY04 may be present.

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

Comments:

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

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>			
M	QTY01	673	Quantity Qualifie	r	M	ID 2/2
			Code specifying th	e type of quantity		
			31	Additional Demand Quantity		
	QTY02	380	Quantity		X	R 1/15
			Numeric value of q	uantity		
			DIRQTYA (DL-103)) = Number of Directories for Annual De	elivery	У
	QTY03	C001	Composite Unit o	f Measure	0	
			To identify a compexamples of use)	osite unit of measure (See Figures Ap	pend	ix for
M	C00101	355	Unit or Basis for	Measurement Code	M	ID 2/2
			. , ,	e units in which a value is being expre measurement has been taken Directory Books	ssed,	or
				Number of directory books delivered to	o cus	stomer

Segment: QTY Quantity

Position: 2930

Loop: QTY Optional

Level: Detail
Usage: Optional

Max Use: 1

Purpose: To specify quantity information

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

2 Only one of QTY02 or QTY04 may be present.

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

Comments:

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

Data Element Summary

Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>		
QTY01	673	Quantity Qualifier	M	ID 2/2
		Code specifying the type of quantity		
		38 Original Quantity		
QTY02	380	Quantity	X	R 1/15
		Numeric value of quantity		
		DIRQTYNC (DL-104) = Number of Directories Delivered Connect	on Ne	W
QTY03	C001	Composite Unit of Measure	0	
		To identify a composite unit of measure (See Figures A examples of use)	ppend	dix for
	Des. Attributes QTY01 QTY02	Des. Element Attributes QTY01 673 QTY02 380	Des. Attributes QTY01 673 Quantity Qualifier Code specifying the type of quantity 38 Original Quantity QTY02 380 Quantity Numeric value of quantity DIRQTYNC (DL-104) = Number of Directories Delivered Connect Connect QTY03 C001 Composite Unit of Measure To identify a composite unit of measure (See Figures A	Des. Attributes Element Name QTY01 673 Quantity Qualifier M Code specifying the type of quantity 38 Original Quantity QTY02 380 Quantity X Numeric value of quantity DIRQTYNC (DL-104) = Number of Directories Delivered on Ne Connect QTY03 C001 Composite Unit of Measure (See Figures Appendix A

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

manner in which a measurement has been taken

DY Directory Books

Number of directory books delivered to customer

Segment: N1 Name

Position: 3500

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use:

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

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

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

Semantic Notes:

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

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

transaction processing party.

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

Notes: N1*DA*DELNAME

Data Element Summary

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

Free-form name

"DELNAME"

Segment: N4 Geographic Location

Position: 3800

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use: 1

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

blanks (zip code for United States)

ZIP (DL-100) = ZIP/Postal Code

Segment: NX2 Location ID Component

Position: 3850

Loop: N1 Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To define types and values of a geographic location

Syntax Notes: Semantic Notes: Comments:

Ref.

NX202

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

Data

166

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. Element</u> <u>Name</u> Attributes		
	VI	ID 2/2
Code qualifying the type of address component		
01 Street Number		
02 Street Name		
03 Prefix Direction		
07 City Name		
18 Unstructured Mailing Address		
40 Street Suffix		
59 Street Number Low		
61 Street Number Fraction		
62 Street Name Suffix		

Address Information Address information

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

М

M AN 1/55

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.

If PO105 is present, then PO104 is required.

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

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

Semantic Notes:

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

2 PO101 is the line item identification.

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

ISBN No., Model No., or SKU.

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

Data Element Summary

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

Product/Service ID (234)

SH Service Requested

A numeric or alphanumeric code from a list of

services available to the customer

PO109 234 Product/Service ID

X AN 1/48

Identifying number for a product or service

RTY (DL-12) = Record Type

		CI							
	Segment:	SI Se	rvice Charac	cteristic Identification					
	Position:	0180							
	Loop: Level:	PO1 Mandatory							
	Usage:	Detail Optional							
	Max Use:	>1							
	Purpose:	To specify service characteristic data							
	Syntax Notes:								
			·						
				SI13 is present, then the other is required.					
				SI15 is present, then the other is required.					
				S117 is present, then the other is required.					
				I19 is present, then the other is required. I21 is present, then the other is required.					
,	Semantic Notes:	• II OIL	1101 0120 01 0	ne process, their the ether to required.					
	Comments:			source for each of the service characteristics					
			ifiers.						
	Notes:		*LACT(DL-10) *LTY(DL-13))					
			/*STYC(DL-15)	5)					
			*TOA(DL-16)						
			s*DOI(DL-17)						
			I*DIRNAME(D	·					
)*BRO(DL-28) Data Elemer						
	Ref.	Data		it Summary					
	Des.			it Summary					
	<u>Des.</u> <u>Attributes</u>	Data <u>Element</u>	<u>Name</u>		8.4	ID 2/2			
М	Des.	Data	<u>Name</u> Agency Qu	alifier Code	М	ID 2/2			
M	<u>Des.</u> <u>Attributes</u>	Data <u>Element</u>	Name Agency Qu Code identify	ralifier Code Tying the agency assigning the code values	М	ID 2/2			
	<u>Des.</u> <u>Attributes</u> SI01	Data <u>Element</u> 559	Name Agency Qu Code identify	valifier Code Tying the agency assigning the code values Telecommunications Industry					
M	<u>Des.</u> <u>Attributes</u>	Data <u>Element</u>	Name Agency Qu Code identify TI Service Cha	ralifier Code Tying the agency assigning the code values Telecommunications Industry aracteristics Qualifier	М	ID 2/2 AN 2/2			
	<u>Des.</u> <u>Attributes</u> SI01	Data <u>Element</u> 559	Name Agency Qu Code identify TI Service Cha	ralifier Code Tying the agency assigning the code values Telecommunications Industry aracteristics Qualifier an industry code list qualifying the type of sen	М				
	<u>Des.</u> <u>Attributes</u> SI01	Data <u>Element</u> 559	Name Agency Qu Code identify TI Service Cha	ralifier Code Tying the agency assigning the code values Telecommunications Industry aracteristics Qualifier an industry code list qualifying the type of sen	M vice				
	<u>Des.</u> <u>Attributes</u> SI01	Data <u>Element</u> 559	Name Agency Qu Code identify TI Service Cha Code from a characteristi	valifier Code Tying the agency assigning the code values Telecommunications Industry Telecommunications aracteristics Qualifier Telecommunications Industry Telecommunications Industry	M vice				
	<u>Des.</u> <u>Attributes</u> SI01	Data <u>Element</u> 559	Name Agency Qu Code identify TI Service Cha Code from a characteristi BO	ralifier Code Tying the agency assigning the code values Telecommunications Industry aracteristics Qualifier an industry code list qualifying the type of senics Business/Residence Placement Over	M vice				
	<u>Des.</u> <u>Attributes</u> SI01	Data <u>Element</u> 559	Name Agency Qu Code identify TI Service Characteristi BO BR	ralifier Code Tying the agency assigning the code values Telecommunications Industry aracteristics Qualifier an industry code list qualifying the type of senics Business/Residence Placement Over Directory Listings Type of Account	M vice				
	<u>Des.</u> <u>Attributes</u> SI01	Data <u>Element</u> 559	Name Agency Qu Code identify TI Service Cha Code from a characteristi BO BR DG	ralifier Code Tying the agency assigning the code values Telecommunications Industry aracteristics Qualifier an industry code list qualifying the type of senics Business/Residence Placement Over Directory Listings Type of Account Degree of Indent	M vice				
	<u>Des.</u> <u>Attributes</u> SI01	Data <u>Element</u> 559	Name Agency Qu Code identify TI Service Cha Code from a characteristi BO BR DG DN	ralifier Code Tying the agency assigning the code values Telecommunications Industry aracteristics Qualifier an industry code list qualifying the type of senics Business/Residence Placement Over Directory Listings Type of Account Degree of Indent Directory Book Name	M vice				
	<u>Des.</u> <u>Attributes</u> SI01	Data <u>Element</u> 559	Name Agency Qu Code identify TI Service Characteristic BO BR DG DN LB	ralifier Code Tying the agency assigning the code values Telecommunications Industry aracteristics Qualifier an industry code list qualifying the type of services Business/Residence Placement Over Directory Listings Type of Account Degree of Indent Directory Book Name Listing Activity Indicator	M vice				
	<u>Des.</u> <u>Attributes</u> SI01	Data <u>Element</u> 559	Name Agency Qu Code identify TI Service Cha Code from a characteristi BO BR DG DN LB LE	ralifier Code Tying the agency assigning the code values Telecommunications Industry aracteristics Qualifier an industry code list qualifying the type of senics Business/Residence Placement Over Directory Listings Type of Account Degree of Indent Directory Book Name Listing Activity Indicator Listing Type Style Code	M vice				
М	<u>Des.</u> <u>Attributes</u> SI01 SI02	Data <u>Element</u> 559 1000	Name Agency Qu Code identify TI Service Characteristic BO BR DG DN LB LE TW Product/Se	ralifier Code Tying the agency assigning the code values Telecommunications Industry aracteristics Qualifier an industry code list qualifying the type of senics Business/Residence Placement Over Directory Listings Type of Account Degree of Indent Directory Book Name Listing Activity Indicator Listing Type Style Code	M vice rride	AN 2/2			
М	<u>Des.</u> <u>Attributes</u> SI01 SI02	Data <u>Element</u> 559 1000	Name Agency Qu Code identify TI Service Characteristic BO BR DG DN LB LE TW Product/Se Identifying not	ralifier Code Tying the agency assigning the code values Telecommunications Industry aracteristics Qualifier an industry code list qualifying the type of sensics Business/Residence Placement Over Directory Listings Type of Account Degree of Indent Directory Book Name Listing Activity Indicator Listing Type Style Code ervice ID umber for a product or service 0) = Listing Activity Indicator	M vice rride	AN 2/2			
М	<u>Des.</u> <u>Attributes</u> SI01 SI02	Data <u>Element</u> 559 1000	Name Agency Qu Code identify TI Service Characteristic BO BR DG DN LB LE TW Product/Se Identifying not LACT (DL-10 LTY (DL-13)	ralifier Code Tying the agency assigning the code values Telecommunications Industry aracteristics Qualifier an industry code list qualifying the type of sensics Business/Residence Placement Over Directory Listings Type of Account Degree of Indent Directory Book Name Listing Activity Indicator Listing Type Style Code ervice ID umber for a product or service 0) = Listing Activity Indicator = Listing Type	M vice rride	AN 2/2			
М	<u>Des.</u> <u>Attributes</u> SI01 SI02	Data <u>Element</u> 559 1000	Name Agency Qu Code identify TI Service Characteristi BO BR DG DN LB LE TW Product/Se Identifying no LACT (DL-10 LTY (DL-13) STYC (DL-15	ralifier Code Tying the agency assigning the code values Telecommunications Industry aracteristics Qualifier an industry code list qualifying the type of sensics Business/Residence Placement Over Directory Listings Type of Account Degree of Indent Directory Book Name Listing Activity Indicator Listing Type Style Code ervice ID umber for a product or service 0) = Listing Activity Indicator = Listing Type 5) = Style Code	M vice rride	AN 2/2			
М	<u>Des.</u> <u>Attributes</u> SI01 SI02	Data <u>Element</u> 559 1000	Name Agency Qu Code identify TI Service Characteristic BO BR DG DN LB LE TW Product/Se Identifying no LACT (DL-10 LTY (DL-13) STYC (DL-16 TOA (DL-16)	ralifier Code Tying the agency assigning the code values Telecommunications Industry aracteristics Qualifier an industry code list qualifying the type of sensics Business/Residence Placement Over Directory Listings Type of Account Degree of Indent Directory Book Name Listing Activity Indicator Listing Type Style Code ervice ID umber for a product or service 0) = Listing Activity Indicator = Listing Type	M vice rride	AN 2/2			
М	<u>Des.</u> <u>Attributes</u> SI01 SI02	Data <u>Element</u> 559 1000	Name Agency Qu Code identify TI Service Characteristic BO BR DG DN LB LE TW Product/Se Identifying not LACT (DL-10 LTY (DL-13) STYC (DL-15 DOI (DL-17)	ralifier Code Tying the agency assigning the code values Telecommunications Industry aracteristics Qualifier an industry code list qualifying the type of sensics Business/Residence Placement Over Directory Listings Type of Account Degree of Indent Directory Book Name Listing Activity Indicator Listing Type Style Code ervice ID umber for a product or service 0) = Listing Type 5) = Style Code) = Type of Account	M vice rride	AN 2/2			

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.

antic Notes: 1 Les PIDO3 to indicate the organization that publishes

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

being referred to.

2 PID04 should be used for industry-specific product description

codes.

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

indeterminate.

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

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

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

used.

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

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

PID03.

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

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		
			TI	Telecommunications Industry		
	PID04	751	Product Des	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

> 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

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

Reference information as defined for a particular Transaction Set or as

specified by the Reference Identification Qualifier

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

Segment: **N9** Reference Identification

Position: 3300

Loop: N9 Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To transmit identifying information as specified by the Reference

Identification Qualifier

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

2 If N906 is present, then N905 is required.

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

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

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

Comments:

Notes: N9*82*PLA

Data Element Summary

Ref. Data

Des. Element Name

<u>Attributes</u>

M N901 128 Reference Identification Qualifier M ID 2/3

Code qualifying the Reference Identification

82 Data Item Description (DID) Reference

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

requirement documents

N902 127 Reference Identification X AN 1/30

Reference information as defined for a particular Transaction Set or as

specified by the Reference Identification Qualifier

"PLA"

Segment: MTX Text

Position: 3400

Loop: N9 Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify textual data

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

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

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

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

then MTX05 is required.

Notes: MTX**PLA(DL-55)

Data Element Summary

Ref. Data

Des. Element Name

Attributes

MTX02 1551 Message Text X AN 1/4096

To transmit large volumes of message text

PLA (DL-55) = Place Listing As

Segment: **N9** Reference Identification

Position: 3300

Loop: N9 Optional

Level: Detail
Usage: Optional

Max Use: 1

Purpose: To transmit identifying information as specified by the Reference

Identification Qualifier

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

2 If N906 is present, then N905 is required.

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

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

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

Comments:

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

			Data Element Summar	y			
	Ref.	Data					
	Des.	<u>Element</u>	<u>Name</u>				
	<u>Attributes</u>						
М	N901	128	Reference Identification	Qualifier	М	ID 2/3	
			Code qualifying the Referer	nce Identification			
			82 Data Ite	m 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		Χ	AN 1/30	
			specified by the Reference	efined for a particular Transacti Identification Qualifier	on S	Set or as	
			"LTXTY"				
	N903	369	Free-form Description		X	AN 1/45	
			Free-form descriptive text				
			LTXTY (DL-57) = Listing Te	xt Type			

MTX Text Segment:

Position: 3400

> N9 Optional Loop:

Level: Detail Usage: Optional Max Use: >1

Purpose: To specify textual data

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

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

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

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

then MTX05 is required.

Notes: MTX**LTEXT(DL-59)

Data Element Summary

Ref. Data

Element Name Des.

Attributes

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

To transmit large volumes of message text

LTEXT (DL-59) = Line of Text

Segment: **N9** Reference Identification

Position: 3300

Loop: N9 Optional

Level: Detail
Usage: Optional

Max Use: 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. <u>Des.</u> Attributes	Data Element	<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 Transac specified by the Reference Identification Qualifier ORI Order Instructions	tion	Set or as
	N903	369	Free-form Description Free-form descriptive text	X	AN 1/45

"DL"

Segment: MTX Text

Position: 3400

Loop: N9 Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify textual data

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

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

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

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

then MTX05 is required.

Notes: MTX**REMARKS(DL-113)

Data Element Summary

Ref. Data

Des. Element Name

Attributes

MTX02 1551 Message Text X AN 1/4096

To transmit large volumes of message text

REMARKS (DL-113) = Remarks

Segment: N1 Name

Position: 3500

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use:

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

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

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

Semantic Notes:

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

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

transaction processing party.

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

Notes: N1*DH*LISTINGS

Data Element Summary

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

Free-form name

"LISTINGS"

IN2 Individual Name Structure Components Position: 3650 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*12*DESD(DL-50a)*DESD IN2*10*TLD(DL-51)*TLD IN2*01*TITLE1D(DL-52)*TITLE1D IN2*18*NICK(DL-54) **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 12 Combined (Unstructured) Name 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 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 NICK (DL-54) = Nickname **IN203** 93 AN 1/60 Name 0 Free-form name LNFN (DL-46) = Listed Name First "TL"

Segment:

"TITLE1" "DESD" "TLD" "TITLE1D" Segment: N4 Geographic Location

Position: 3800

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To specify the geographic place of the named party

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

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

Semantic Notes:

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

be adequate to specify a location.

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

Notes: N4**LAST(DL-71)

Data Element Summary

Ref. Data
Des. Element Name

<u>Attributes</u>

N402 156 State or Province Code X ID 2/2

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

agency

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

NX2 Location ID Component Segment:

Position: 3850

> Loop: N1 Optional

Level: Detail Optional Usage: Max Use: >1

Purpose: To define types and values of a geographic location

Syntax Notes: Semantic Notes:

Comments:

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

NX2*03*LASD(DL-65) NX2*07*LALOC(DL-70) NX2*18*LALO(DL-69) NX2*40*LASS(DL-68) NX2*59*LAPR(DL-62) NX2*61*LASF(DL-64) NX2*62*LATH(DL-67)

Data Element Summary

Ret.	Data	
Des.	Element	<u>Name</u>
<u>Attributes</u>		
NX201	1106	Addre
NAZU1	1100	Addi

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

Address information

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

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

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

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

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

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. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>	·		
M	SI01	559	Agency Qualifier	Code	M	ID 2/2
			Code identifying the	ne agency assigning the code values		
			TI	Telecommunications Industry		
M	SI02	1000	Service Characte	eristics Qualifier	M	AN 2/2
			Code from an inducharacteristics	ustry code list qualifying the type of serv	ice	
			NS	Non-Standard Telephone Number		
			TN	Telephone Number		
M	SI03	234	Product/Service	ID	M	AN 1/48
			Identifying number	r for a product or service		
			,	ted Telephone Number Ion Standard Telephone Number		

Segment: PO1 Baseline Item Data - Dummy (DD)

Position: 0100

Loop: PO1 Mandatory

Level: Detail
Usage: Mandatory

Max Use: 1

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

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

2 If PO105 is present, then PO104 is required.

If either PO106 or PO107 is present, then the other is required.
If either PO108 or PO109 is present, then the other is required.
If either PO110 or PO111 is present, then the other is required.
If either PO112 or PO113 is present, then the other is required.
If either PO114 or PO115 is present, then the other is required.
If either PO116 or PO117 is present, then the other is required.
If either PO118 or PO119 is present, then the other is required.
If either PO120 or PO121 is present, then the other is required.
If either PO122 or PO123 is present, then the other is required.
If either PO124 or PO125 is present, then the other is required.

Semantic Notes:

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

2 PO101 is the line item identification.

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

ISBN No., Model No., or SKU.

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

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

Segment: CTT Transaction Totals

Position: 0100

Loop: CTT Optional

Level: Summary Usage: Optional

Max Use: 1

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

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

Semantic Notes:

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

transaction completeness and correctness.

Notes: CTT*Number of PO1 segments

Data Element Summary

Ref. Data

Des. Element Name

<u>Attributes</u>

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

Total number of line items in the transaction set

Segment: **SE** Transaction Set Trailer

Position: 0300

Loop:

Level: Summary Usage: Mandatory

Max Use: 1

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

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

segments)

Syntax Notes:

Semantic Notes:

Updated: January 21, 2002

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 functional group assigned by the originator for a transacti		

50.6.2 860 UNE-P PBX Design Trunk Supplemental Service Request (860UPDET)

Functional Group ID=**PC**

Introduction:

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

This implementation guideline references the following:

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

Notes:

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

Heading:

	Pos. <u>No.</u>	Seg. <u>ID</u>	<u>Name</u>	Req. <u>Des.</u>	Max.Use	Loop Notes and RepeatComments
M	0100	ST	Transaction Set Header	M	1	
M	0200	BCH	Beginning Segment for Purchase Order Change	M	1	
	0500	REF	Reference Identification	0	>1	
	0950	PAM	Period Amount	0	10	
			LOOP ID - SAC			25
	1200	SAC	Service, Promotion, Allowance, or Charge Information	0	1	
	1500	DTM	Date/Time Reference	0	10	
	1850	SI	Service Characteristic Identification	0	>1	
	1900	PID	Product/Item Description	0	200	
			LOOP ID - N9			1000
	2850	N9	Reference Identification	0	1	
	2900	MTX	Text	0	>1	
			LOOP ID - N9			1000
	2850	N9	Reference Identification	0	1	
	2900	MTX	Text	0	>1	
			LOOP ID - N9			1000
	2850	N9	Reference Identification	0	1	
	2900	MTX	Text	0	>1	
			LOOP ID - N1			200
	3000	N1	Name	0	1	
	3500	PER	Administrative Communications Contact	0	>1	
			LOOP ID - N1			200

3000	N1	Name	0	1	
		LOOP ID - N1			200
3000	N1	Name	0	1	
3100	N2	Additional Name Information	0	2	
3300	N4	Geographic Location	0	>1	
3350	NX2	Location ID Component	0	>1	
3550	SI	Service Characteristic Identification	0	>1	

Detail:

Pos. <u>No.</u>	Seg. <u>ID</u>	<u>Name</u>	Req. <u>Des</u> .	Max.Use	Loop Notes and RepeatComments
		LOOP ID - POC			>1
0100	POC	Line Item Change - End User Form	0	1	
0180	SI	(Location and Access Section) Service Characteristic Identification	0	>1	
		LOOP ID - PID			1000
0500	PID	Product/Item Description	0	1	
1000	REF	Reference Identification	0	>1	
		LOOP ID - N9			1000
3200	N9	Reference Identification	0	1	
3260	MTX	Text	0	>1	
		LOOP ID - N1			200
3400	N1	Name	0	1	
3700	N4	Geographic Location	0	1	
3750	NX2	Location ID Component	Ο	>1	
3900	PER	Administrative Communications Contact	0	3	
3950	SI	Service Characteristic Identification	0	>1	
		LOOP ID - POC			>1
0100	POC	Line Item Change - End User Form (Disconnect Information Section)	0	1	
0180	SI	Service Characteristic Identification	0	>1	
1000	REF	Reference Identification	Ο	>1	
2000	DTM	Date/Time Reference	0	10	
		LOOP ID - SLN			>1
4600	SLN	Subline Item Detail	0	1	
4700	SI	Service Characteristic Identification	0	>1	
		LOOP ID - N1			10
5360	N1	Name	0	1	
5700	REF	Reference Identification	0	12	
		LOOP ID - SLN			>1
4600	SLN	Subline Item Detail	0	1	
4700	SI	Service Characteristic Identification	0	>1	
		LOOP ID - N1			10
5360	N1	Name	0	1	
5700	REF	Reference Identification	0	12	

		LOOP ID - POC			>1	
0100	POC	Line Item Change - Resale Form (Service	0	1		
0180	SI	Details Section) Service Characteristic Identification	0	>1		
		LOOP ID - PID			1000	
0500	PID	Product/Item Description	0	1		
1000	REF	Reference Identification	0	>1		
2000	DTM	Date/Time Reference	0	10		
		LOOP ID - N1			200	
3400	N1	Name	0	1		
		LOOP ID - N1			200	
3400	N1	Name	0	1		
		LOOP ID - SLN			>1	
4600	SLN	Subline Item Detail	0	1		
4700	SI	Service Characteristic Identification	0	>1		
		LOOP ID - N1			10	
5360	N1	Name	0	1		
5700	REF	Reference Identification	0	12		
		LOOP ID - SLN			>1	
4600	SLN	Subline Item Detail	0	1		
4700	SI	Service Characteristic Identification	0	>1		
		LOOP ID - N1			10	
5360	N1	Name	0	1		
5700	REF	Reference Identification	0	12		
		LOOP ID - SLN			>1	
4600	SLN	Subline Item Detail	0	1		
		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 - Regular Hunting	0	1		
0180	SI	Service Characteristic Identification	Ο	>1		
1000	REF	Reference Identification	0	>1		
		LOOP ID - SLN			>1	
4600	SLN	Subline Item Detail	0	1		
		LOOP ID - N9			>1	
5230	N9	Reference Identification	0	1		
5250	MTX	Text	0	>1		
		LOOP ID - POC			>1	
0100	POC	Line Item Change - Multi-Line Hunting	0	1		
0180	SI	Service Characteristic Identification	0	>1		

1000	REF	Reference Identification	0	>1		
		LOOP ID - SLN			>1	
4600	SLN	Subline Item Detail	0	1		
		LOOP ID - N9			>1	
5230	N9	Reference Identification	0	1		
5250	MTX	Text	Ο	>1		
		LOOP ID - POC			>1	III
0100	POC	Line Item Change - DL Form (Delivery	0	1		
		Address/Information Section)	-	•		
0180	SI	Service Characteristic Identification	0	>1		_
		LOOP ID - QTY			>1	
2930	QTY	Quantity	0	1		
		LOOP ID - QTY			>1	
2930	QTY	Quantity	0	1		
		LOOP ID - N1			200	
3400	N1	Name	0	1		
3700	N4	Geographic Location	0	1		
3750	NX2	Location ID Component	0	>1		
		LOOP ID - POC			>1	
0100	POC	Line Item Change - DL Form (Service	0	1	/ 1	
		Details Section)	-	'		
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	
0000	NO				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	Ο	>1		
3700	N4	Geographic Location	0	1		
3750	NX2	Location ID Component	0	>1		
3950	SI	Service Characteristic Identification	0	>1		

Summary:

Pos.	Seg.		Req.	Loop Notes and
No.	ID Č	Name	Des. Max.Use	RepeatComments

			LOOP ID - CTT			1
	0100	CTT	Transaction Totals	0	1	n1
М	0300	SE	Transaction Set Trailer	M	1	

Transaction Set Notes

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

Segment: **ST** Transaction Set Header

Position: 0100

Loop:

Level: Heading Usage: Mandatory

Max Use: 1

Purpose:

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

Syntax Notes: Semantic Notes:

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

Comments:

Notes: ST*860*TRAN SET CONTROL #

			Data Lic	anient Gammary		
	Ref. <u>Des.</u>	Data <u>Element</u>	<u>Name</u>			
	Attributes					
M	ST01	143	Transactio	on Set Identifier Code	М	ID 3/3
			Code uniqu	uely identifying a Transaction Set		
			860	Purchase Order Change Request	- Buyer	Initiated
M	ST02	329	Transactio	on Set Control Number	M	AN 4/9
			, ,	control number that must be unique within group assigned by the originator for a transa		

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

Position: 0200

Loop:

Level: Heading Usage: Mandatory

Max Use:

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

and transmit identifying numbers and dates

Syntax Notes:

Semantic Notes: 1 BCH06 is the date assigned by the purchaser to purchase order.

2 BCH09 is the seller's order number.

3 BCH10 is the date assigned by the sender to the acknowledgment.

4 BCH11 is the date of the purchase order change request.

Comments:

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

Partner Access Information)

	Ref. Des.	Data Element	Name		
	<u>Attributes</u>		·		ID 0/0
М	BCH01	353	Transaction Set Purpose Code	M	ID 2/2
			Code identifying purpose of transaction set		
			SUP (LSR-25) = Supplement Type 01 = (DWS : 1-Cancel) 04 = (DWS : 2-DDD Change) 05 = (DWS : 3-Other)		
M	BCH02	92	Purchase Order Type Code	М	ID 2/2
			Code specifying the type of Purchase Order		
			SS Supply or Service Order		
M	BCH03	324	Purchase Order Number	M	AN 1/22
			Identifying number for Purchase Order assigned by the orderer/purchaser		
			PON (LSR-2) = Purchase Order Number		
	BCH05	327	Change Order Sequence Number	0	AN 1/8
			Number assigned by the orderer identifying a specific charvesion to a previously transmitted transaction set	nge	or
			VER (LSR-3) = Version Identification		
М	BCH06	373	Date	M	DT 8/8
			Date expressed as CCYYMMDD		
			PO Date = Purchase Order Date (See Trading Partner Ad Information)	cess	5

REF Reference Identification Segment:

Position: 0500

Loop:

Level: Heading Usage: Optional Max Use: >1

Purpose: To specify identifying information

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

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

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

Comments:

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

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

Data Element Summary

		_		5 uu. y		
	Ref.	Data				
	Des.	<u>Element</u>	<u>Name</u>			
	<u>Attributes</u>					
M	REF01	128	Reference Identi	fication Qualifier	M	ID 2/3
			Code qualifying the	e Reference Identification		
			11	Account Number		
				Number identifies a telecommunica account	tions i	ndustry
			12	Billing Account		
				Account number under which billing	is ren	dered
			1V	Related Vendor Order Number		
				A vendor's order number that is in a primary order number	ddition	to a
			CO	Customer Order Number		
			JB	Job (Project) Number		
			OW	Service Order Number		
			SU	Number assigned when a customer and equipment and which appears of Special Processing Code		s service
				Unique code identifying the special requirements for the claim	handlii	ng
	REF02	127	Reference Identif	fication	X	AN 1/30

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

specified by the Reference Identification Qualifier

AN (LSR-7) = Account Number

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

RORD (LSR-52) = Related Order Number BAN1 (LSR-61) = Billing Account Number 1

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

Segment: PAM Period Amount

Position: 0950

Loop:

Level: Heading Usage: Optional Max Use: 10

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

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

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

3 If either PAM04 or PAM05 is present, then the other is required.4 If either PAM06 or PAM07 is present, then the other is required.

5 If PAM07 is present, then at least one of PAM08 or PAM09 is

required.

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

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

required.

10 If PAM11 is present, then PAM10 is required.

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

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

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

Comments:

Notes: PAM*QU*HTQTY(LSR-6)*EA

D-4-

380

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

QO

QU

Data Element Summary

Ret.	Data				
Des.	Element	<u>Name</u>			
<u>Attributes</u>					
PAM01	673	Quantity Qualifie	r	X	ID 2/2
		Code specifying the	e type of quantity		
		47	Primary Net Quantity		
		48	Secondary Net Quantity		
		ВН	Book Order Quantity		
		KC	Net Quantity Decrease		
			The resultant quantity represents a n a previously transmitted quantity, after have been made		

Quantity X R 1/15

Operating Quantity

Quantity Serviced

Numeric value of quantity

HTQTY (LSR-6) = Hunt Group Quantity First 2 bytes of PG_of_ (LSR-10) Second 2 bytes of PG_of_ (LSR-10) DQTY (EU-5) = Disconnect Quantity

PAM02

			RSQTY (RE-5) = Resale Quantity DDQTY (DL-23) = Number of Delivery Segments		
	PAM03	C001	Composite Unit of Measure	X	
			To identify a composite unit of measure (See Figures A examples of use)	ppenc	dix for
М	C00101	355	Unit or Basis for Measurement Code	M	ID 2/2
			Code specifying the units in which a value is being expr manner in which a measurement has been taken EA Each	essed	, or

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

Position: 1200

Loop: SAC Optional

Level: Heading Usage: Optional

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

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

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

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

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

If SAC11 is present, then SAC10 is required.

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

7 If SAC14 is present, then SAC13 is required.

8 If SAC16 is present, then SAC15 is required.

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

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

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

3 SAC08 is the allowance or charge rate per unit.

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

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

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

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

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

Comments:

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

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

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

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

Data Element Summary

Ref. Data

Des. Element Name

Attributes

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

Code which indicates an allowance or charge for the service specified

		N	No Allowance or Charge		
SAC03	559	Agency Qualifie	r Code	X	ID 2/2
		Code identifying the	he agency assigning the code values		
		TI	Telecommunications Industry		
SAC04	1301	Agency Service Code	, Promotion, Allowance, or Charge	X	AN 1/10
		Agency maintaine or charge	ed code identifying the service, promotic	on, al	llowance,
		EXP	Expedited Service Charge		
		VT	Variable Term Contract Pricing Plan		
SAC15	352	Description		X	AN 1/80
		A free-form descri	ption to clarify the related data element	s an	d their
		VTA (LSR-80) = \	/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*097*D/TSENT{CCYYMMDD}(LSR-12)*D/TSENT{HHMM}(LSR-12)

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

			Data Element S	Summary		
	Ref.	Data				
	Des.	<u>Element</u>	<u>Name</u>			
	Attributes					
М	DTM01	374	Date/Time Qualif	ier	М	ID 3/3
			Code specifying ty	pe of date or time, or both date and tin	ne	
			097	Transaction Creation		
			150	Service Period Start		
			270	Date Filed		
			992	Date Requested		
	DTM02	373	Date		X	DT 8/8
			Date expressed as	CCYYMMDD		
			D/TSENT (LSR-12)) = Date Sent		
			DDD (LSR-14) = D			
			,	Date of Agency Authorization		
	DTM03	337	Time		X	TM 4/8
			•	24-hour clock time as follows: HHMM		
				HHMMSSDD, where $H = hours (00-23)$		
				er seconds (00-59) and DD = decimal source expressed as follows: D = tenths (0		
			hundredths (00-99)		-9) al	na DD =
			,	(LSR-12) = Time Sent		
	DTM05	1250		Format Qualifier	Χ	ID 2/3
			Code indicating the	e date format, time format, or date and	time	format
			TM	Time Expressed in Format HHMM		
				Time expressed in the format HHMM	wher	e HH is
				the numerical expression of hours in		
				on a twenty-four hour clock and MM i	s the	numerical
				expression of minutes within an hour		
	DTM06	1251	Date Time Period		X	AN 1/35
			Expression of a da times	te, a time, or range of dates, times or	dates	and
			DFDT (LSR-19) = I	Desired Frame Due Time		

Segment: SI Service Characteristic Identification

Position: 1850

Loop:

Level: Heading
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

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

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

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

Semantic Notes:

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

qualifiers.

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

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

Data Element Summary

		_	Data Lioinioni	Jannina, y		
	Ref.	Data				
	Des.	<u>Element</u>	<u>Name</u>			
	Attributes					
M	SI01	559	Agency Qualifier	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	ice	
			AA	Account Activity		
			IW	Inside Wire Options		
			LS	Local Serving Office		
			NC	Network Channel		
			NI	Network Channel Interface		
			RE	Requisition Type		
			SS	Service Sub-category		
			TY	Type of Service		
M	SI03	234	Product/Service	ID	M	AN 1/48

Identifying number for a product or service

ACT (LSR-24) = Activity

A=(DWS : N-New Installation)

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

C=(DWS : C-Change)

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

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

RS=(DWS : B-Restore)

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

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

M=(DWS : M-Inside Move)

REQTYP (LSR-23) = Requisition Type and Status

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

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

NC (LSR-46) = Network Channel Code

NCI (LSR-48) = Network Channel Interface Code

IWO (EU-36) = Inside Wire Options

Segment: PID Product/Item Description

Position: 1900

Comments:

Loop:

Level: Heading Usage: Optional Max Use: 200

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

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

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

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

being referred to.

2 PID04 should be used for industry-specific product description

codes.

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

indeterminate.

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

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

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

used.

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

being described in the segment.

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

PID03.

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

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

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

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

	Ref.	Data							
	Des.	Element	<u>Name</u>						
	<u>Attributes</u>								
M	PID01	349	Item Description	Туре	М	ID 1/1			
			Code indicating th	e format of a description					
			S	Structured (From Industry Code List)					
	PID03	559	Agency Qualifier	Code	X	ID 2/2			
			Code identifying the	ne agency assigning the code values					
			П	Telecommunications Industry					
	PID04	751	Product Descript	ion Code	X	AN 1/12			
			A code from an in product character	dustry code list which provides specific istic	data	about a			
			AH	Coordinated Hot Cut					
			AO	Agency Authorization Status					
			BI	Final Bill Information Indicator					
			CONVIND	Conversion Indicator					
	PID07	822	Source Subqual	ifier	0	AN 1/15			
			A reference that in	reference that indicates the table or text maintained by the Source					

Qualifier

SO-RSQ Service Order - Reseller Questions list

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

Code indicating a Yes or No condition or response

CONVIND (LSR-24a) = Conversion Indicator

Y=(DWS : F-Full) N=(DWS : P-Partial)

FBI (EU-42) = Final Bill Information Indicator

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

Y=(DWS : D-Different)

CHC (LSR-22) = Coordinated Hot Cut

AGAUTH (LSR-35) = Agency Authorization Status

Segment: **N9** Reference Identification

Position: 2850

Loop: N9 Optional

Level: Heading Usage: Optional

Max Use: 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)

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

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

Segment: MTX Text

Position: 2900

Loop: N9 Optional

Level: Heading Usage: Optional Max Use: >1

Purpose: To specify textual data

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

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

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

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

then MTX05 is required.

Notes: MTX**REMARKS(EU-63)

Data Element Summary

Ref. Data

Des. Element Name

Attributes

MTX02 1551 Message Text X AN 1/4096

To transmit large volumes of message text

REMARKS (EU-63) = Remarks

Segment: **N9** Reference Identification

Position: 2850

Loop: N9 Optional

Level: Heading Usage: Optional

Max Use:

Purpose: To transmit identifying information as specified by the Reference

Identification Qualifier

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

2 If N906 is present, then N905 is required.

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

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

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

Comments:

Notes: N9*H7*ORI*RESALE****2W>MANUAL IND(RE-60b)

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

Segment: MTX Text

Position: 2900

Loop: N9 Optional

Level: Heading Usage: Optional Max Use: >1

Purpose: To specify textual data

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

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

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

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

then MTX05 is required.

Notes: MTX**REMARKS(RE-60a)

Data Element Summary

Ref. Data

Des. Element Name

Attributes

MTX02 1551 Message Text X AN 1/4096

To transmit large volumes of message text

REMARKS (RE-60a) = Remarks

Segment: N1 Name

Position: 3000

Loop: N1 Optional

Level: Heading Optional

Max Use: 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*78*CCNA(LSR-1)

Data Element Summary

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

Free-form name

CCNA (LSR-1) = Customer Carrier Name Abbreviation

PER Administrative Communications Contact Segment:

Position: 3500

> Loop: N1 Optional

Level: Heading Optional Usage: Max Use:

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

should be directed

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

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

Semantic Notes: Comments:

> Notes: PER*AG*INIT(LSR-81)*TE*TEL NO(LSR-82)*FX*FAX NO(LSR-

> > 84)*EM*EMAIL(LSR-83)

PER*CN*IMPCON(LSR-91)*TE*TEL NO(LSR-92)*BN*PAGER(LSR-93) PER*AL*ALT IMPCON(LSR-94)*TE*TEL NO(LSR-95)*BN*PAGER(LSR-96)

Data Element Summary Ref. Data **Element Name** Des. **Attributes** М PER01 366 **Contact Function Code** ID 2/2 Code identifying the major duty or responsibility of the person or group named AG Agent Alternate Contact ALPerson to be contacted when the main contact is not available CN General Contact PER02 93 AN 1/60 Name Free-form name INIT (LSR-81) = Initiator Identification IMPCON (LSR-91) = Implementation Contact ALT IMPCON (LSR-94) = Alternate Implementation Contact **Communication Number Qualifier** PER03 365 Χ ID 2/2 Code identifying the type of communication number Telephone PER04 364 Χ

Communication Number AN 1/256

Complete communications number including country or area code when

applicable

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

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

Code identifying the type of communication number

BN Beeper Number 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 o 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: 1

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

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

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

Semantic Notes:

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

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

transaction processing party.

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

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

Data Element Summary

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

Free-form name

BILLNM (EU-43) = Bill Name

Segment: N2 Additional Name Information

Position: 3100

Loop: N1 Optional

Level: Heading Usage: Optional

Max Use: 2

Purpose: To specify additional names

Syntax Notes: Semantic Notes:

Comments:

Notes: N2*SBILLNM(EU-44)

Data Element Summary

Ref. Data

Des. Element Name

<u>Attributes</u>

M N201 93 Name M AN 1/60

Free-form name

SBILLNM (EU-44) = Secondary Bill Name

Segment: N4 Geographic Location

Position: 3300

Loop: N1 Optional

Level: Heading Optional

Max Use: >1

Purpose: To specify the geographic place of the named party

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

If N407 is present, then N404 is required.

Semantic Notes:

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

be adequate to specify a location.

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

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

Data Element Summary

Ref. Data Des. **Element Name Attributes** ID 2/2 N402 156 **State or Province Code** Χ Code (Standard State/Province) as defined by appropriate government agency STATE (EU-49) = State/Province N403 116 **Postal Code** ID 3/15 0

Code defining international postal zone code excluding punctuation and

blanks (zip code for United States)

ZIP (EU-50) = ZIP/Postal Code

Segment: NX2 Location ID Component

Position: 3350

Loop: N1 Optional

Level: Heading
Usage: Optional
Max Use: >1

Purpose: To define types and values of a geographic location

Syntax Notes: Semantic Notes: Comments:

Ref.

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

Data

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

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

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

Data Element Summary

	Doc	Element	Nama			
	Des.	<u>Element</u>	<u>Name</u>			
	Attributes					
М	NX201	1106	Address Compo	nent Qualifier	M	ID 2/2
			Code qualifying th	ne type of address component		
			01	Street Number		
			02	Street Name		
			03	Prefix Direction		
			07	City Name		
			32	Floor		
				A particular floor or level of a building		
			35	Room		
				A walled room or partitioned area of a	a buil	ding
			40	Street Suffix		
			59	Street Number Low		
			61	Street Number Fraction		
			62	Street Name Suffix		
M	NX202	166	Address Informa	ition	M	AN 1/55

Address information

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

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

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

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

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

SAPR (EU-45a) = Service Address Number Prefix SASF (EU-45c) = Street Address Number Suffix SATH (EU-45f) = Service Address Street Type Segment: SI Service Characteristic Identification

Position: 3550

Loop: N1 Optional

Level: Heading Usage: Optional Max Use: >1

Purpose: To specify service characteristic data

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

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

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

Semantic Notes:

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

qualifiers.

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

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

Segment: POC Line Item Change - End User Form (Location and Access

Section)

Position: 0100

Loop: POC Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To specify changes to a line item

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

2 If POC07 is present, then POC06 is required.

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

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

POC01 is the purchase order line item identification.

Semantic Notes: Comments:

Notes: POC*n*RZ*****ZZ*EU SA [POC Loop may repeat]

	Ref.	Data			
	<u>Des.</u> Attributes	<u>Element</u>	<u>Name</u>		
	POC01	350	Assigned Identification	0	AN 1/20
			Alphanumeric characters assigned for differentiation within set	n a tr	
			"n" = nth assigned ID within POC loop		
M	POC02	670	Change or Response Type Code	М	ID 2/2
			Code specifying the type of change to the line item		
			RZ Replace All Values		
			Receiver should replace the correspor the original purchase order with the va in the Purchase Order Change Transa	alues	contained
	POC08	235	Product/Service ID Qualifier	Χ	ID 2/2
			Code identifying the type/source of the descriptive number Product/Service ID (234) ZZ Mutually Defined	r use	ed in
	POC09	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
			"EU_SA"		

Position: 0180

Loop: POC Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

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

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

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

	Ref. <u>Des.</u> <u>Attributes</u>	Data <u>Element</u>	<u>Name</u>	·		
M	SI01	559	Agency Qualifier	Code	М	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 inducharacteristics	stry code list qualifying the type of serv	rice	
			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 Characte	ristics Qualifier	X	AN 2/2
			Code from an inducharacteristics	stry code list qualifying the type of serv	rice	
			TN	Telephone Number		
	SI05	234	Product/Service	ID	X	AN 1/48
			Identifying number	for a product or service		
			WSOP TEL NO (E Number	EU-31a) = Working Service on Premises	Tel	ephone

Segment: PID Product/Item Description

Position: 0500

Loop: PID Optional

Level: Detail
Usage: Optional

Max Use:

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

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

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

5 If PID09 is present, then PID05 is required.

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

being referred to.

2 PID04 should be used for industry-specific product description

codes.

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

indeterminate.

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

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

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

used.

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

being described in the segment.

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

PID03.

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

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

Segment: REF Reference Identification

Position: 1000

Loop: POC Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify identifying information

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

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

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

Comments:

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

	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 specified by the Reference Identification Qualifier		Set or as
			LOCNUM (EU-7) = Location Number		
	REF03	352	Description	X	AN 1/80
			A free-form description to clarify the related data content "LOCNUM"	elements and	d their

Segment: N9 Reference Identification

Position: 3200

Loop: N9 Optional

Level: Detail
Usage: Optional

Max Use: 1

Purpose: To transmit identifying information as specified by the Reference

Identification Qualifier

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

2 If N906 is present, then N905 is required.

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

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

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

Comments:

Notes: N9*L1*ACC*EU

Data Element Summary

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

"EU"

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**ACC(EU-30) Notes:

Data Element Summary

Ref. Data

Element Name Des.

Attributes

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

To transmit large volumes of message text

ACC (EU-30) = Access Information

Segment: N1 Name

Position: 3400

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use:

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

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

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

Semantic Notes:

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

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

transaction processing party.

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

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

Data Element Summary

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

Free-form name

NAME (EU-8) = End User Name

Segment: N4 Geographic Location

Position: 3700

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To specify the geographic place of the named party

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

3 If N407 is present, then N404 is required.

Semantic Notes:

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

be adequate to specify a location.

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

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

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 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)	nctu	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

Code qualifying the type of address component

LD1(EU-17) = Location Designator 1 13=(DWS: APT) 34=(DWS: LOT) 35=(DWS: RM) 36=(DWS: SLIP) 37=(DWS: UNIT) 14=(DWS: SUIT)

LD2(EU-19) = Location Designator 2

32=(DWS: FLR)

LD3(EU-21) = Location Designator 3

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

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

O7 City Name12 Building Name

ID 2/2

			13	Apartment Number
			14	Suite Number
			30	Pier
				The pier at which a ship or boat is docked
			32	Floor
				A particular floor or level of a building
			34	Lot
				A particular lot or piece of land
			35	Room
				A walled room or partitioned area of a building
			36	Slip
				The slip or location on a pier at which a ship or boat
				is docked
			37	Unit
				A unit or separate structure
			39	Unstructured Property
			40	Street Suffix
			59	Street Number Low
			61	Street Number Fraction
			62	Street Name Suffix
			63	Secondary Unit Identifier
l	NX202	166	Address Inform	ation M AN 1/55
			Address informat	
			SASN (EU-14) = SASD (EU-13) = BOX (EU-23c) = ROUTE (EU-23b CITY (EU-24) = 0 AHN (EU-23a) = SASS (EU-16) = SAPR (EU-10) = SASF (EU-12) =) = Route City Assigned House Number Service Address Street Directional Suffix Service Address Number Prefix Service Address Number Suffix Service Address Street Type

М

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

Position: 3900

Loop: N1 Optional

Level: Detail
Usage: Optional

Max Use: 3

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

should be directed

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

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

Semantic Notes:

Comments:

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

			Data Elomont Gammary		
	Ref. <u>Des.</u>	Data <u>Element</u>	<u>Name</u>		
	<u>Attributes</u>				
M	PER01	366	Contact Function Code	M	ID 2/2
			Code identifying the major duty or responsibility of the named	person	or group
			CA Customer Contact Granting Appo	intment	
	PER02	93	Name	0	AN 1/60
			Free-form name		
			LCON (EU-27) = Local Contact		
	PER03	365	Communication Number Qualifier	Х	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 applicable	or area o	code when
			TEL NO (EU-28) = Telephone Number		

Position: 3950

Loop: N1 Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

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

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

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

Semantic Notes:

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

qualifiers.

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

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>		
M	SI01	559	Agency Qualifier Code	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier	М	AN 2/2
			Code from an industry code list qualifying the type of serv characteristics	ice	
			AF Address Format Type		
M	SI03	234	Product/Service ID	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.1 POC01 is the purchase order line item identification.

Semantic Notes: Comments:

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

	Ref.	Data			
	Des.	<u>Element</u>	<u>Name</u>		
	Attributes			_	
	POC01	350	Assigned Identification	0	AN 1/20
			Alphanumeric characters assigned for differentiation within set	n a tr	ransaction
			"n" = nth assigned ID within POC loop		
M	POC02	670	Change or Response Type Code	М	ID 2/2
			Code specifying the type of change to the line item		
			RZ Replace All Values		
			Receiver should replace the correspond the original purchase order with the value in the Purchase Order Change Transa	alues	contained
	POC08	235	Product/Service ID Qualifier	Χ	ID 2/2
			Code identifying the type/source of the descriptive number Product/Service ID (234) ZZ Mutually Defined	r use	ed in
	POC09	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
			"EU_DISC"		

Position: 0180

Loop: POC Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

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

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

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

Semantic Notes:

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

qualifiers.

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

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

	Ref.	Data				
	Des.	<u>Element</u>	<u>Name</u>			
	<u>Attributes</u>					
М	SI01	559	Agency Qualifier (Code	М	ID 2/2
			Code identifying the	agency assigning the code values		
			TI	Telecommunications Industry		
M	SI02	1000	Service Character	istics Qualifier	M	AN 2/2
			Code from an indus characteristics	try code list qualifying the type of serv	rice	
			ND	Disconnect Number		
			T6	Transfer of Calls Options		
M	SI03	234	Product/Service II	D	M	AN 1/48
			Identifying number f	or a product or service		
				= 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

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

Segment: DTM Date/Time Reference

Position: 2000

Loop: POC Optional

Level: Detail
Usage: Optional
Max Use: 10

Purpose: To specify pertinent dates and times

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

If DTM04 is present, then DTM03 is required.

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

Semantic Notes:

Comments:

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

Data Element Summary

Ref. Data

Des. Element Name

Attributes

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

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

376 Delivery End

The date that deliveries will end

DTM02 373 Date X DT 8/8

Date expressed as CCYYMMDD

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

Segment: SLN Subline Item Detail

Position: 4600

Loop: SLN Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To specify product subline detail item data

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

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

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

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

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

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

9 If either SLN19 or SLN20 is present, then the other is required.
10 If either SLN21 or SLN22 is present, then the other is required.
11 If either SLN23 or SLN24 is present, then the other is required.

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

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

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

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

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

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

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

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

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

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

	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
			"TCPRI"		
	SLN02	350	Assigned Identification	0	AN 1/20
			Alphanumeric characters assigned for differentiation within set	nat	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	•

Position: 4700

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

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

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

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

Semantic Notes:

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

qualifiers.

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

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>		
M	SI01	559	Agency Qualifier Code	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2
			Code from an industry code list qualifying the type of serv characteristics	ice	
			TC Transfer Announcement Number		
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
			TC TO PRI (EU-58) = Transfer of Calls to Primary Number	r	

Name Segment:

Position: 5360

> N1 Loop: Optional

Level: Detail Usage: Optional

Max Use:

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

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

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

Semantic Notes:

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

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

transaction processing party.

Free-form name

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

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

Data Element Summary

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

TC NAME (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	Data 2.0	· · · · · · · · · · · · · · · · · · ·		
	<u>Des.</u> Attributes	Element	<u>Name</u>			
И	REF01	128	Reference Io	lentification Qualifier	M	ID 2/3
			Code qualifyir	ng the Reference Identification		
			55	Sequence Number		
	REF02	127	Reference Id	lentification	X	AN 1/30
				ormation as defined for a particular Transa he Reference Identification Qualifier	ction	Set or as
			TCID (EU-58a	a) = Transfer of Calls to Identifier		
	REF03	352	Description		Х	AN 1/80
			A free-form de content	escription to clarify the related data elemer	its an	d their
			"PRI"			

Segment: SLN Subline Item Detail

Position: 4600

Loop: SLN Optional

Level: Detail Usage: Optional

Max Use: 1

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 SLN23 or SLN24 is present, then the other is required.

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

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

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

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

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

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

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

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

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

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

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

			1 Always One	
	SLN05	C001	Composite Unit of Measure	X
М	C00101	355	To identify a composite unit of measure (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	

Position: 4700

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

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

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

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

Semantic Notes:

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

qualifiers.

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

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>		
M	SI01	559	Agency Qualifier Code	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2
			Code from an industry code list qualifying the type of serv characteristics	ice	
			TC Transfer Announcement Number		
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
			TC TO SEC (EU-59) = Transfer of Calls to Secondary Nur	nber	

Segment: N1 Name

Position: 5360

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use:

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

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

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

Semantic Notes:

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

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

transaction processing party.

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

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

Data Element Summary

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

Free-form name

TC NAME (EU-61) = Transfer of Calls to Name

Segment: REF Reference Identification

Position: 5700

Loop: N1 Optional

Level: Detail
Usage: Optional
Max Use: 12

Purpose: To specify identifying information

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

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

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

Comments:

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

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>	•		
M	REF01	128	Reference Identification	n Qualifier M		ID 2/3
			Code qualifying the Refere	ence Identification		
			55 Seque	ence Number		
	REF02	127	Reference Identification	n X		AN 1/30
			Reference information as specified by the Reference TCID (EU-60) = Transfer of		n Se	et or as
	REF03	352	Description A free-form description to content "SEC"	X clarify the related data elements a		AN 1/80 their

Segment: POC Line Item Change - Resale Form (Service Details Section)

Position: 0100

Loop: POC Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To specify changes to a line item

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

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.

12 If either POC26 or POC27 is present, then the other is required.1 POC01 is the purchase order line item identification.

Semantic Notes: Comments:

Notes: POC*n*RZ******ZZ*RE [POC Loop repeats RSQTY (RE-5) times]

	Ref.	Data			
	Des.	Element	<u>Name</u>		
	<u>Attributes</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 correspon the original purchase order with the va in the Purchase Order Change Transa	lues	contained
	POC08	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive numbe Product/Service ID (234) ZZ Mutually Defined	r use	ed in
	POC09	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
			"RE"		

Position: 0180

Loop: POC Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

Syntax Notes: 1 If either SI04 or SI05 is present, then the other is required.

If either SI06 or SI07 is present, then the other is required.
If either SI08 or SI09 is present, then the other is required.
If either SI10 or SI11 is present, then the other is required.
If either SI12 or SI13 is present, then the other is required.
If either SI14 or SI15 is present, then the other is required.
If either SI16 or SI17 is present, then the other is required.

If either SI18 or SI19 is present, then the other is required. If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

Comments: 1 Sl01 defines the source for each of the service characteristics

qualifiers.

Notes: SI*TI*SA*LNA(RE-12)

SI*TI*TN*TNS(RE-15) SI*TI*OT*OTN(RE-19) SI*TI*TQ*PTLI(RE-23) SI*TI*TD*PTKCON(RE-24) SI*TI*CN*ECCKT(RE-28) SI*TI*T6*TC OPT(RE-35) SI*TI*TS*SGNL(RE-50) SI*TI*SY*SSIG(RE-51) SI*TI*PE*PULSE(RE-52)

Data Element Summary

Ref.	Data		•		
Des.	<u>Element</u>	<u>Name</u>			
					ID 0/0
SI01	559	•		M	ID 2/2
		Code identifying th	e agency assigning the code values		
		TI	Telecommunications Industry		
SI02	1000	Service Characte	eristics Qualifier	M	AN 2/2
		Code from an indu	stry code list qualifying the type of serv	rice	
		characteristics			
		CN	Circuit Number Identification		
		OT	Out Telephone Number		
		PE	Pulse Type		
		SA	Service Activity		
		SY	Start Signaling		
		T6	Transfer of Calls Options		
		TD	Transmission Duplex		
		TN	Telephone Number		
		TQ	Telephone Line Identifier		
		TS	Type of Signaling		
SI03	234	Product/Service	ID	M	AN 1/48
	Des. Attributes SI01 SI02	Des. Attributes SI01 559 SI02 1000	Des. AttributesElement SI01NameSI02559Agency Qualifier Code identifying the TISI021000Service Characte Code from an inducharacteristics CN OT PE SA 	Des. Attributes Element Name Sl01 559 Agency Qualifier Code Code identifying the agency assigning the code values TI Telecommunications Industry Sl02 1000 Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics CN Circuit Number Identification OT Out Telephone Number PE Pulse Type SA Service Activity SY Start Signaling T6 Transfer of Calls Options TD Transmission Duplex TN Telephone Number TQ Telephone Line Identifier TS Type of Signaling	Des. Attributes Attributes Element Name SI01 559 Agency Qualifier Code M Code identifying the agency assigning the code values TI Telecommunications Industry SI02 1000 Service Characteristics Qualifier M Code from an industry code list qualifying the type of service characteristics CN Circuit Number Identification OT Out Telephone Number PE Pulse Type SA Service Activity SY Start Signaling T6 Transfer of Calls Options TD Transmission Duplex TD Transmission Duplex TN Telephone Number TQ Telephone Line Identifier Type of Signaling

Identifying number for a product or service

LNA (RE-12) = Line Activity CT=(DWS : X-TN Change) C=(DWS : C-Change)

A=(DWS : N-New)

D=(DWS : D-Disconnect)

V=(DWS: V-Conversion of Service As Specified)

P=(DWS : P-PIC Change) L=(DWS : L-Seasonal Suspend) W=(DWS : W-Conversion As Is)

TNS (RE-15) = Telephone Numbers

OTN (RE-19) = Out Telephone Number

PTLI (RE-23) = PBX Lead Telephone Line

PTKCON (RE-24) = PBX Trunk Configuration

ECCKT (RE-28) = Exchange Company Circuit ID

TC OPT (RE-35) = Transfer of Call Options

SGNL (RE-50) = Signaling

SSIG (RE-51) = Start Signaling

PULSE (RE-52) = Type of Pulsing

Segment: PID Product/Item Description

Position: 0500

Loop: PID Optional

Level: Detail
Usage: Optional

Max Use:

Purpose: To describe a product or process in coded or free-form format

Syntax Notes: 1 If PID04 is present, then PID03 is required.

At least one of PID04 or PID05 is required.
If PID07 is present, then PID03 is required.
If PID08 is present, then PID04 is required.

5 If PID09 is present, then PID05 is required.

Semantic Notes: 1 Use PID03 to indicate the organization that publishes the code list

being referred to.

2 PID04 should be used for industry-specific product description

codes.

PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is

indeterminate.

4 PID09 is used to identify the language being used in PID05.

Comments: 1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then

PID04 is used. If PID01 equals "X", then both PID04 and PID05 are

used.

2 Use PID06 when necessary to refer to the product surface or layer

being described in the segment.

3 PID07 specifies the individual code list of the agency specified in

PID03.

Notes: PID*S**TI*AG***SO-RSQ*NIDR(RE-47)

			Data Licinciit	ounning y		
	Ref. <u>Des.</u>	Data <u>Element</u>	<u>Name</u>			
М	Attributes PID01	349	Item Description	Туре	М	ID 1/1
			•	e format of a description		
			S	Structured (From Industry Code List)		
	PID03	559	Agency Qualifier	Code	X	ID 2/2
			•	ne agency assigning the code values		
			П	Telecommunications Industry		
	PID04	751	Product Descript	ion Code	X	AN 1/12
			A code from an in product character AG	dustry code list which provides specific istic Network Interface Device Request	data	about a
	PID07	822	Source Subqual	ifier	0	AN 1/15
			A reference that in Qualifier	ndicates the table or text maintained by	the S	Source
			SO-RSQ	Service Order - Reseller Questions lis	st	
	PID08	1073	Yes/No Condition	n or Response Code	0	ID 1/1
			Code indicating a	Yes or No condition or response		
			NIDR (RE-47) = N	ID Request		

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> Attributes

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

<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: 3400

Loop: N1 Optional

Level: Detail
Usage: Optional

Max Use: 1

Purpose: To identify a party by type of organization, name, and code

Syntax Notes: 1 At least one of N102 or N103 is required.

If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments: 1 This segment, used alone, provides the most efficient method of

providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the

transaction processing party.

2 N105 and N106 further define the type of entity in N101.

Notes: N1*P9**41*PIC(RE-30)

			Data Lienient	Julilliai y		
	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>	•		
M	N101	98	Entity Identifier C	Code	M	ID 2/3
			Code identifying a an individual	n organizational entity, a physical loca	tion,	property or
			P9	Primary Interexchange Carrier (PIC)		
				Identifies the carrier who will handle t interexchange calls	he	
	N103	66	Identification Co	de Qualifier	Χ	ID 1/2
			Code designating Identification Code	the system/method of code structure u (67)	sed f	for
			41	Telecommunications Carrier Identifica	ation	Code
				Identifies the Interexchange carrier fo being billed	r the	charges
	N104	67	Identification Co	de	X	AN 2/80
			Code identifying a	party or other code		
			PIC (RE-30) = Inte	rLATA 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 Licilicit 3	ullillaly		
	Ref.	Data		•		
	Des.	Element	<u>Name</u>			
	Attributes					
М	N101	98	Entity Identifier Co	ode	M	ID 2/3
			Code identifying an an individual	organizational entity, a physical loca	tion,	property or
			8V	Primary Intra-LATA (Local Access Tr	ansp	ort Area)
				Carrier		
	N103	66	Identification Cod	le Qualifier	X	ID 1/2
			Code designating the Identification Code	ne system/method of code structure ((67)	used f	for
			41	Telecommunications Carrier Identific	ation	Code
				Identifies the Interexchange carrier for being billed	or the	charges
	N104	67	Identification Cod	e	X	AN 2/80
			Code identifying a p	party or other code		
			LPIC (RE-31) = Intra	aLATA Pre-subscription Indicator Cod	de	

Segment: SLN Subline Item Detail

Position: 4600

Loop: SLN Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To specify product subline detail item data

Syntax Notes: 1 If either SLN04 or SLN05 is present, then the other is required.

2 If SLN07 is present, then SLN06 is required.3 If SLN08 is present, then SLN06 is required.

If either SLN09 or SLN10 is present, then the other is required.
If either SLN11 or SLN12 is present, then the other is required.
If either SLN13 or SLN14 is present, then the other is required.
If either SLN15 or SLN16 is present, then the other is required.
If either SLN17 or SLN18 is present, then the other is required.

If either SLN19 or SLN20 is present, then the other is required.
If either SLN21 or SLN22 is present, then the other is required.
If either SLN21 or SLN22 is present, then the other is required.
If either SLN23 or SLN24 is present, then the other is required.

12 If either SLN25 or SLN26 is present, then the other is required.

13 If either SLN27 or SLN28 is present, then the other is required.

Semantic Notes: 1 SLN01 is the identifying number for the subline item.

2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.

3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.

4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments: 1 See the Data Element Dictionary for a complete list of IDs.

2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.

3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: SLN*TCPRI*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
			"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 is being expressed, or manner in which a measurement has been taken EA Each			

Position: 4700

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

Syntax Notes: 1 If either SI04 or SI05 is present, then the other is required.

If either SI06 or SI07 is present, then the other is required.
If either SI08 or SI09 is present, then the other is required.
If either SI10 or SI11 is present, then the other is required.
If either SI12 or SI13 is present, then the other is required.
If either SI14 or SI15 is present, then the other is required.
If either SI16 or SI17 is present, then the other is required.
If either SI18 or SI19 is present, then the other is required.

9 If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

Comments: 1 Sl01 defines the source for each of the service characteristics

qualifiers.

Notes: SI*TI*TC*TC TO PRI(RE-38)

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</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	

Name Segment:

Position: 5360

N1 Optional Loop:

Level: Detail Usage: Optional

Max Use:

Purpose: To identify a party by type of organization, name, and code

Syntax Notes: At least one of N102 or N103 is required.

If either N103 or N104 is present, then the other is required.

Semantic Notes:

This segment, used alone, provides the most efficient method of Comments: 1

providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the

transaction processing party.

N105 and N106 further define the type of entity in N101.

N1*TT*TC NAME(RE-38b) Notes:

Data Element Summary

Ref. Data Des. **Element Name Attributes** М **Entity Identifier Code** ID 2/3 N101 98 Code identifying an organizational entity, a physical location, property or an individual TT Transfer To N102 93 Name AN 1/60

Free-form name

TC NAME (RE-38b) = Transfer of Calls to Name

Segment: REF Reference Identification

Position: 5700

Loop: N1 Optional

Level: Detail
Usage: Optional
Max Use: 12

Purpose: To specify identifying information

Syntax Notes: 1 At least one of REF02 or REF03 is required.

If either C04003 or C04004 is present, then the other is required.
If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.

Comments:

Notes: REF*55*TCID(RE-38a)*PRI

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>	,		
M	REF01	128	Reference lo	dentification Qualifier	М	ID 2/3
			Code qualifying	ng the Reference Identification		
			55	Sequence Number		
	REF02	127	Reference Id	Reference Identification		
			specified by t	ormation as defined for a particular Transact he Reference Identification Qualifier a) = Transfer of Calls to Identifier	ion S	Set or as
	REF03	352	Description		X	AN 1/80
			A free-form decontent	escription to clarify the related data element	s and	d their

SLN Subline Item Detail Segment:

Position: 4600

> Loop: SLN Optional

Level: Detail Optional Usage:

Max Use:

Purpose: To specify product subline detail item data

Syntax Notes: If either SLN04 or SLN05 is present, then the other is required. 1

> If SLN07 is present, then SLN06 is required. 3 If SLN08 is present, then SLN06 is required.

4 If either SLN09 or SLN10 is present, then the other is required. If either SLN11 or SLN12 is present, then the other is required. If either SLN13 or SLN14 is present, then the other is required. If either SLN15 or SLN16 is present, then the other is required. If either SLN17 or SLN18 is present, then the other is required.

If either SLN19 or SLN20 is present, then the other is required. **10** If either SLN21 or SLN22 is present, then the other is required. 11 If either SLN23 or SLN24 is present, then the other is required.

12 If either SLN25 or SLN26 is present, then the other is required.

13 If either SLN27 or SLN28 is present, then the other is required.

Semantic Notes: SLN01 is the identifying number for the subline item.

> SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.

> 3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.

SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments: 1 See the Data Element Dictionary for a complete list of IDs.

> SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.

SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: SLN*TCSEC*n*A*1*EA [SLN Loop may repeat]

	Ref.	Data			
	Des.	Element	<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
			"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
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	

Position: 4700

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

Syntax Notes: 1 If either SI04 or SI05 is present, then the other is required.

If either SI06 or SI07 is present, then the other is required.
If either SI08 or SI09 is present, then the other is required.
If either SI10 or SI11 is present, then the other is required.
If either SI12 or SI13 is present, then the other is required.
If either SI14 or SI15 is present, then the other is required.
If either SI16 or SI17 is present, then the other is required.
If either SI18 or SI19 is present, then the other is required.

9 If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

Comments: 1 Sl01 defines the source for each of the service characteristics

qualifiers.

Notes: SI*TI*TC*TC TO SEC(RE-39)

	Ref.	Data			
	Des.	Element	<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 serv characteristics	rice	
			TC Transfer Announcement Number		
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
			TC TO SEC (RE-39) = Transfer of Calls To Secondary Nu	mbe	r

Name Segment:

Position: 5360

> N1 Loop: Optional

Level: Detail Usage: Optional

Max Use:

Purpose: To identify a party by type of organization, name, and code

Syntax Notes: At least one of N102 or N103 is required.

If either N103 or N104 is present, then the other is required.

Semantic Notes:

This segment, used alone, provides the most efficient method of Comments: 1

providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the

transaction processing party.

N105 and N106 further define the type of entity in N101.

N1*TT*TC NAME(RE-42) Notes:

Data Element Summary

Ref. Data Des. **Element Name Attributes** М **Entity Identifier Code** ID 2/3 N101 98 Code identifying an organizational entity, a physical location, property or an individual TT Transfer To N102 93 Name AN 1/60

Free-form name TC NAME (RE-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

	D (D . 1 .	Data Element Gammary		
	Ref.	Data			
	<u>Des.</u>	<u>Element</u>	<u>Name</u>		
	<u>Attributes</u>				
M	REF01	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			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	Х	AN 1/80
			A free-form description to clarify the related data element content	ents and	d their
			"SEC"		

Segment: SLN Subline Item Detail

Position: 4600

Loop: SLN Optional

Level: Detail Usage: Optional

Max Use:

Purpose: To specify product subline detail item data

Syntax Notes: 1 If either SLN04 or SLN05 is present, then the other is required.

2 If SLN07 is present, then SLN06 is required.3 If SLN08 is present, then SLN06 is required.

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.

7 If either SLN15 or SLN16 is present, then the other is required.

8 If either SLN17 or SLN18 is present, then the other is required.

9 If either SLN19 or SLN20 is present, then the other is required.

10 If either SLN21 or SLN22 is present, then the other is required.11 If either SLN23 or SLN24 is present, then the other is required.

12 If either SLN25 or SLN26 is present, then the other is required.

13 If either SLN27 or SLN28 is present, then the other is required.

Semantic Notes: 1 SLN01 is the identifying number for the subline item.

2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.

3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.

4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments: 1 See the Data Element Dictionary for a complete list of IDs.

2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.

3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: SLN*IW*n*A*IWJQ(RE-49)*EA****EQ*IWJK(RE-48) [SLN Loop may repeat per

Inside Wiring pair]

	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 within a transaction		
			set		
			"IW"		
	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		
			IWJQ (RE-49) = Inside Wire Jack Quantity		
	SLN05	C001	Composite Unit of Measure	X	
			To identify a composite unit of measure (See Figures Apexamples of use)	pend	dix for
M	C00101	355	Unit or Basis for Measurement Code	M	ID 2/2
			Code specifying the units in which a value is being expremanner in which a measurement has been taken EA Each	ssed	l, or
	SLN09	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number Product/Service ID (234) EQ Equipment Type	er us	ed in
	SLN10	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
			IWJK (RE-48) = Inside Wire Jack Code		

Segment: SLN Subline Item Detail

Position: 4600

Loop: SLN Optional

Level: Detail Usage: Optional

Max Use:

Purpose: To specify product subline detail item data

Syntax Notes: 1 If either SLN04 or SLN05 is present, then the other is required.

2 If SLN07 is present, then SLN06 is required.3 If SLN08 is present, then SLN06 is required.

If either SLN09 or SLN10 is present, then the other is required.
If either SLN11 or SLN12 is present, then the other is required.
If either SLN13 or SLN14 is present, then the other is required.

If either SLN15 or SLN16 is present, then the other is required.
If either SLN17 or SLN18 is present, then the other is required.
If either SLN19 or SLN20 is present, then the other is required.
If either SLN21 or SLN22 is present, then the other is required.
If either SLN23 or SLN24 is present, then the other is required.

12 If either SLN25 or SLN26 is present, then the other is required.

13 If either SLN27 or SLN28 is present, then the other is required.

Semantic Notes:

1 SLN01 is the identifying number for the subline item.

2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.

3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.

4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

1 See the Data Element Dictionary for a complete list of IDs.

2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.

3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: SLN*BL*n*A*1*EA

	Ref.	Data	Nome		
	<u>Des.</u> Attributes	Element	<u>Name</u>		
M	SLN01	350	Assigned Identification	M	AN 1/20
			Alphanumeric characters assigned for differentiation within set	n a t	ransaction
			"BL"		
	SLN02	350	Assigned Identification	0	AN 1/20
			Alphanumeric characters assigned for differentiation within set	n a t	ransaction
			"n" = nth assigned ID within SLN loop		
M	SLN03	662	Relationship Code	М	ID 1/1
			Code indicating the relationship between entities		
			A Add		
	SLN04	380	Quantity	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	ee Figures Appendix for M ID 2/2
			Code specifying the units in which a value manner in which a measurement has been EA Each	

Position: 4700

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

Syntax Notes: 1 If either SI04 or SI05 is present, then the other is required.

If either SI06 or SI07 is present, then the other is required.
If either SI08 or SI09 is present, then the other is required.
If either SI10 or SI11 is present, then the other is required.
If either SI12 or SI13 is present, then the other is required.
If either SI14 or SI15 is present, then the other is required.
If either SI16 or SI17 is present, then the other is required.
If either SI18 or SI19 is present, then the other is required.

9 If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

Comments: 1 Sl01 defines the source for each of the service characteristics

qualifiers.

Notes: SI*TI*BB*BA(RE-54)*TB*BLOCK(RE-55)

	Ref.	Data			
	Des.	<u>Element</u>	<u>Name</u>		
	<u>Attributes</u>				
M	SI01	559	Agency Qualifier Code	М	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2
			Code from an industry code list qualifying the type of service characteristics	rice	
			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	Χ	AN 2/2
			Code from an industry code list qualifying the type of serv characteristics	rice	
			TB Blocking/Billing Exception		
	SI05	105 234	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: 1

Purpose: To specify product subline detail item data

Syntax Notes: 1 If either SLN04 or SLN05 is present, then the other is required.

2 If SLN07 is present, then SLN06 is required.3 If SLN08 is present, then SLN06 is required.

If either SLN09 or SLN10 is present, then the other is required.
If either SLN11 or SLN12 is present, then the other is required.

6 If either SLN13 or SLN14 is present, then the other is required.

7 If either SLN15 or SLN16 is present, then the other is required.

If either SLN17 or SLN18 is present, then the other is required.If either SLN19 or SLN20 is present, then the other is required.

10 If either SLN21 or SLN22 is present, then the other is required.11 If either SLN23 or SLN24 is present, then the other is required.

12 If either SLN25 or SLN26 is present, then the other is required.

13 If either SLN27 or SLN28 is present, then the other is required.

Semantic Notes: 1 SLN01 is the identifying number for the subline item.

2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.

3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.

4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments: 1 See the Data Element Dictionary for a complete list of IDs.

2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.

SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No.,

ISBN No., Model No., or SKU.

Notes: SLN*FA*n*A*1*EA [SLN Loop may repeat per FA/FEATURE pair]

	Ref.	Data			
	Des.	<u>Element</u>	<u>Name</u>		
	<u>Attributes</u>				
M	SLN01	350	Assigned Identification	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 (Se 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	

Position: 4700

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

Syntax Notes: 1 If either SI04 or SI05 is present, then the other is required.

If either SI06 or SI07 is present, then the other is required.
If either SI08 or SI09 is present, then the other is required.
If either SI10 or SI11 is present, then the other is required.
If either SI12 or SI13 is present, then the other is required.
If either SI14 or SI15 is present, then the other is required.
If either SI16 or SI17 is present, then the other is required.
If either SI18 or SI19 is present, then the other is required.
If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

Comments: 1 Sl01 defines the source for each of the service characteristics

qualifiers.

Notes: SI*TI*SA*FA(RE-58)*SC*FEATURE(RE-59)

SI*TI*FD*FEATURE DETAIL(RE-60) [SI Segment may repeat]

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>	· ····································			
M	SI01	559	Agency Qualifier	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 FD	stry code list qualifying the type of serv Feature Data	rice		
			SA	Service Activity			
М	SI03	234	Product/Service	•	М	AN 1/48	
			Identifying number	for a product or service			
			A = (DWS: N- Ac CF = (DWS: C-C D = (DWS: D-Dis V = (DWS: V-Cc CT = (DWS: T-C	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)) FEATURE DETAIL (RE-60) = Feature Detail			
	SI04	1000	Service Characte	ristics Qualifier	X	AN 2/2	
			characteristics SC	stry code list qualifying the type of serv Service Category	rice		
	SI05	234	Product/Service		X	AN 1/48	
				for a product or service			
			FEATURE (RE-59)	= Feature Codes			

POC Line Item Change - Regular Hunting Segment:

Position: 0100

> POC Loop: Optional

Level: Detail Usage: Optional

Max Use:

Purpose: To specify changes to a line item

Syntax Notes: If POC03 is present, then both POC04 and POC05 are required.

If POC07 is present, then POC06 is required.

If either POC08 or POC09 is present, then the other is required. If either POC10 or POC11 is present, then the other is required. If either POC12 or POC13 is present, then the other is required. If either POC14 or POC15 is present, then the other is required. If either POC16 or POC17 is present, then the other is required. If either POC18 or POC19 is present, then the other is required. If either POC20 or POC21 is present, then the other is required. **10** If either POC22 or POC23 is present, then the other is required.

11 If either POC24 or POC25 is present, then the other is required. 12 If either POC26 or POC27 is present, then the other is required.

Semantic Notes:

Notes:

POC01 is the purchase order line item identification. Comments: POC*n*RZ******ZZ*HG [POC Loop may repeat]

	Ref.	Data			
	Des.	<u>Element</u>	<u>Name</u>		
	<u>Attributes</u>				
	POC01	350	Assigned Identification	0	AN 1/20
			Alphanumeric characters assigned for differentiation within set	n a tı	ransaction
			"n" = nth assigned ID within POC loop		
M	POC02	670	Change or Response Type Code	М	ID 2/2
			Code specifying the type of change to the line item		
			RZ Replace All Values		
			Receiver should replace the 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		
			"HG"		

Position: 0180

Loop: POC Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

Syntax Notes: 1 If either SI04 or SI05 is present, then the other is required.

If either SI06 or SI07 is present, then the other is required.
If either SI08 or SI09 is present, then the other is required.
If either SI10 or SI11 is present, then the other is required.
If either SI12 or SI13 is present, then the other is required.
If either SI14 or SI15 is present, then the other is required.
If either SI16 or SI17 is present, then the other is required.

If either SI18 or SI19 is present, then the other is required.If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

Comments: 1 Sl01 defines the source for each of the service characteristics

qualifiers.

Notes: SI*TI*SA*HA(LSR-112)

SI*TI*SG*HID(LSR-113) SI*TI*SF*HNTYP(LSR-116)

Data Element Summary

	Ref.	Data				
	Des.	Element	<u>Name</u>			
	<u>Attributes</u>					
M	SI01	559	Agency Qu	ıalifier Code	M	ID 2/2
			Code identif	fying the agency assigning the code values		
			TI	Telecommunications Industry		
M	SI02	1000	Service Ch	aracteristics Qualifier	M	AN 2/2
			Code from a characterist	an industry code list qualifying the type of serv tics	ice	
			SA	Service Activity		
			SF	Service Feature/Option		
			SG	Service Group		
M	SI03	234	Product/Se	ervice ID	M	AN 1/48

Identifying number for a product or service

HA (LSR-112) = Hunt Group Activity

A = (DWS: N-New) C = (DWS: C-Change) D = (DWS: D-Remove)

V = (DWS: V-Conversion As Specified)

HNTYP (LSR-116) = Hunting Type Code HTY003 = (DWS: 5-Regular/Series) HTY004 = (DWS: 4-Multi-Line)

HID (LSR-113) = Hunt Group Identifier

Segment: REF Reference Identification

Position: 1000

Loop: POC Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify identifying information

Syntax Notes: 1 At least one of REF02 or REF03 is required.

If either C04003 or C04004 is present, then the other is required.
If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.

Comments:

Notes: REF*IX*HNUM(LSR-110)*HNUM

			Data Liement Gammary				
	Ref.	Data					
	Des.	<u>Element</u>	<u>Name</u>				
	<u>Attributes</u>						
М	REF01	128	Reference Identification Qualifier	M	ID 2/3		
			Code qualifying the Reference Identification				
			IX Item Number				
	REF02	127	Reference Identification	X	AN 1/30		
			Reference information as defined for a particular Transaction Set or specified by the Reference Identification Qualifier				
			HNUM (LSR-110) = Hunt Number				
	REF03	352	Description	Х	AN 1/80		
			A free-form description to clarify the related data elemer content	nts and	d their		
			"HNUM"				

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.

If SLN07 is present, then SLN06 is required.If SLN08 is present, then SLN06 is required.

If either SLN09 or SLN10 is present, then the other is required.
If either SLN11 or SLN12 is present, then the other is required.
If either SLN13 or SLN14 is present, then the other is required.
If either SLN15 or SLN16 is present, then the other is required.
If either SLN17 or SLN18 is present, then the other is required.
If either SLN19 or SLN20 is present, then the other is required.
If either SLN21 or SLN22 is present, then the other is required.

11 If either SLN23 or SLN24 is present, then the other is required.12 If either SLN25 or SLN26 is present, then the other is required.

13 If either SLN27 or SLN28 is present, then the other is required.

Semantic Notes: 1 SLN01 is the identifying number for the subline item.

2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.

3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.

4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments: 1 See the Data Element Dictionary for a complete list of IDs.

2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.

3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: SLN*HNT*n*A*1*EA

	Ref.	Data			
	Des.	<u>Element</u>	<u>Name</u>		
М	Attributes SLN01	350	Assigned Identification	М	AN 1/20
IVI	SLINUI	330	Assigned Identification		
			Alphanumeric characters assigned for differentiation withis et	n a t	ransaction
			"HNT"		
	SLN02	350	Assigned Identification	0	AN 1/20
			Alphanumeric characters assigned for differentiation within set	n a t	ransaction
			"n" = nth assigned ID within SLN loop		
M	SLN03	662	Relationship Code	М	ID 1/1
			Code indicating the relationship between entities		
			A Add		
	SLN04	380	Quantity	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	ee Figures Appendix for M ID 2/2
			Code specifying the units in which a value is manner in which a measurement has been EA Each	•

Segment: N9 Reference Identification

Position: 5230

Loop: N9 Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To transmit identifying information as specified by the Reference

Identification Qualifier

Syntax Notes: 1 At least one of N902 or N903 is required.

2 If N906 is present, then N905 is required.

3 If either C04003 or C04004 is present, then the other is required.
4 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 N906 reflects the time zone which the time reflects.

2 N907 contains data relating to the value cited in N902.

Comments:

Notes: N9*55*HTSEQ

Data Element Summary

Ref. Data Element Name Des. **Attributes** М **Reference Identification Qualifier** ID 2/3 N901 128 М Code qualifying the Reference Identification 55 Sequence Number N902 127 **Reference Identification** Χ AN 1/30

Reference information as defined for a particular Transaction Set or as

specified by the Reference Identification Qualifier

"HTSEQ"

Segment: MTX Text

Position: 5250

Loop: N9 Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify textual data

Syntax Notes: 1 If MTX01 is present, then MTX02 is required.

If MTX03 is present, then MTX02 is required.If MTX05 is present, then MTX04 is required.

Semantic Notes: 1 MTX05 is the number of lines to advance before printing.

Comments: 1 If MTX04 is "AA - Advance the specific number of lines before print",

then MTX05 is required.

Notes: MTX**HTSEQ(LSR-118)

Data Element Summary

Ref. Data

Des. Element Name

Attributes

MTX02 1551 Message Text X AN 1/4096

To transmit large volumes of message text

HTSEQ (LSR-118) = Hunting Sequence

POC Line Item Change - Multi-Line Hunting Segment:

Position: 0100

> POC Loop: Optional

Level: Detail Usage: Optional

Max Use:

Purpose: To specify changes to a line item

Syntax Notes: If POC03 is present, then both POC04 and POC05 are required.

If POC07 is present, then POC06 is required.

If either POC08 or POC09 is present, then the other is required. If either POC10 or POC11 is present, then the other is required. If either POC12 or POC13 is present, then the other is required. If either POC14 or POC15 is present, then the other is required. If either POC16 or POC17 is present, then the other is required. If either POC18 or POC19 is present, then the other is required. If either POC20 or POC21 is present, then the other is required. **10** If either POC22 or POC23 is present, then the other is required.

11 If either POC24 or POC25 is present, then the other is required. 12 If either POC26 or POC27 is present, then the other is required.

Semantic Notes: Comments:

Notes:

POC01 is the purchase order line item identification. POC*n*RZ******ZZ*ML [POC Loop may repeat]

			Data Elomont Gammary		
	Ref.	Data			
	Des.	Element	<u>Name</u>		
	Attributes				
	POC01	350	Assigned Identification	0	AN 1/20
			Alphanumeric characters assigned for differentiation within set	n a t	ransaction
			"n" = nth assigned ID within POC loop		
M	POC02	670	Change or Response Type Code	М	ID 2/2
			Code specifying the type of change to the line item		
			RZ Replace All Values		
			Receiver should replace the correspor the original purchase order with the va in the Purchase Order Change Transa	lues	contained
	POC08	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number Product/Service ID (234) ZZ Mutually Defined	r use	ed in
	POC09	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
			"ML"		

Position: 0180

Loop: POC Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

Syntax Notes: 1 If either SI04 or SI05 is present, then the other is required.

If either SI06 or SI07 is present, then the other is required.
If either SI08 or SI09 is present, then the other is required.
If either SI10 or SI11 is present, then the other is required.
If either SI12 or SI13 is present, then the other is required.
If either SI14 or SI15 is present, then the other is required.
If either SI16 or SI17 is present, then the other is required.

If either SI18 or SI19 is present, then the other is required.
If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

Comments: 1 Sl01 defines the source for each of the service characteristics

qualifiers.

Notes: SI*TI*SA*HA(LSR-112)

SI*TI*SG*HID(LSR-113) SI*TI*SF*HNTYP(LSR-116) SI*TI*TQ*TLI(LSR-115)

Data Element Summary

	Ref. <u>Des.</u> <u>Attributes</u>	Data <u>Element</u>	<u>Name</u>			
M	SI01	559	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	rice	
			SA	Service Activity		
			SF	Service Feature/Option		
			SG	Service Group		
			TQ	Telephone Line Identifier		
M	SI03	234	Product/Service	ID	M	AN 1/48
			Identifying number	for a product or convice		

Identifying number for a product or service

HA (LSR-112) = Hunt Group Activity

A = (DWS: N-New) C = (DWS: C-Change) D = (DWS: D-Remove)

V = (DWS: V-Conversion As Specified)

HNTYP (LSR-116) = Hunting Type Code HTY003 = (DWS: 5-Regular/Series) HTY004 = (DWS: 4-Multi-Line)

HID (LSR-113) = Hunt Group Identifier TLI (LSR-115) = Telephone Line Identifier Segment: REF Reference Identification

Position: 1000

Loop: POC Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify identifying information

Syntax Notes: 1 At least one of REF02 or REF03 is required.

If either C04003 or C04004 is present, then the other is required.
If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.

Comments:

Notes: REF*IX*HNUM(LSR-110)*HNUM

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>		
M	REF01	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			IX Item Number		
	REF02	127	Reference Identification	Χ	AN 1/30
			Reference information as defined for a particular Transacti specified by the Reference Identification Qualifier HNUM (LSR-110) = Hunt Number	on S	et or as
	REF03	352	A free-form description to clarify the related data elements		
			content "HNUM"		

Segment: SLN Subline Item Detail

Position: 4600

Loop: SLN Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To specify product subline detail item data

Syntax Notes: 1 If either SLN04 or SLN05 is present, then the other is required.

2 If SLN07 is present, then SLN06 is required.3 If SLN08 is present, then SLN06 is required.

If either SLN09 or SLN10 is present, then the other is required.
If either SLN11 or SLN12 is present, then the other is required.
If either SLN13 or SLN14 is present, then the other is required.
If either SLN15 or SLN16 is present, then the other is required.

If either SLN15 or SLN16 is present, then the other is required.
If either SLN17 or SLN18 is present, then the other is required.
If either SLN19 or SLN20 is present, then the other is required.
If either SLN21 or SLN22 is present, then the other is required.
If either SLN23 or SLN24 is present, then the other is required.

12 If either SLN25 or SLN26 is present, then the other is required.

13 If either SLN27 or SLN28 is present, then the other is required.

Semantic Notes: 1 SLN01 is the identifying number for the subline item.

2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.

3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.

4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments: 1 See the Data Element Dictionary for a complete list of IDs.

2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.

3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: SLN*MHNT*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	nat	ransaction
			"MHNT"		
	SLN02	350	Assigned Identification	0	AN 1/20
			Alphanumeric characters assigned for differentiation within set	n a t	ransaction
			"n" = nth assigned ID within SLN loop		
M	SLN03	662	Relationship Code	М	ID 1/1
			Code indicating the relationship between entities		
			A Add		
	SLN04	380	Quantity	X	R 1/15
			Numeric 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: **N9** Reference Identification

Position: 5230

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:

N902

М

Notes: N9*55*HTSEQ

127

Data Element Summary

Ref. Data
Des. Element Name

Attributes
N901 128 Reference Identification Qualifier M ID 2/3

Code qualifying the Reference Identification
55 Sequence Number

Reference Identification X AN 1/30
Reference information as defined for a particular Transaction Set or as

specified by the Reference Identification Qualifier

LITOEOU

"HTSEQ"

Segment: MTX Text

Position: 5250

Loop: N9 Optional

Level: Detail
Usage: Optional

Max Use: >1

Purpose: To specify textual data

Syntax Notes: 1 If MTX01 is present, then MTX02 is required.

If MTX03 is present, then MTX02 is required.If MTX05 is present, then MTX04 is required.

Semantic Notes: 1 MTX05 is the number of lines to advance before printing.

Comments: 1 If MTX04 is "AA - Advance the specific number of lines before print",

then MTX05 is required.

Notes: MTX**HTSEQ(LSR-118)

Data Element Summary

Ref. Data

Des. Element Name

Attributes

MTX02 1551 Message Text X AN 1/4096

To transmit large volumes of message text

HTSEQ (LSR-118) = Hunting Sequence

Segment: 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:

1 POC01 is the purchase order line item identification.

POC*n*RZ******ZZ*DA [POC Loop repeats DDQTY(DSR-23) times]

	Ref.	Data			
	Des.	Element	<u>Name</u>		
	<u>Attributes</u>				
	POC01	350	Assigned Identification	0	AN 1/20
			Alphanumeric characters assigned for differentiation w set	thin a t	ransaction
			"n" = nth assigned ID within POC loop		
M	POC02	670	Change or Response Type Code	М	ID 2/2
			Code specifying the type of change to the line item		
			RZ Replace All Values		
			Receiver should replace the corres the original purchase order with the in the Purchase Order Change Tra	values	contained
	POC08	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive num Product/Service ID (234) ZZ Mutually Defined	ber use	ed in
	POC09	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
			"DA"		

Position: 0180

Loop: POC Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

Syntax Notes: 1 If either SI04 or SI05 is present, then the other is required.

If either SI06 or SI07 is present, then the other is required.
If either SI08 or SI09 is present, then the other is required.
If either SI10 or SI11 is present, then the other is required.
If either SI12 or SI13 is present, then the other is required.
If either SI14 or SI15 is present, then the other is required.

If either SI16 or SI17 is present, then the other is required.
 If either SI18 or SI19 is present, then the other is required.

9 If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

Comments: 1 Sl01 defines the source for each of the service characteristics

qualifiers.

Notes: SI*TI*AD*DACT(DL-81)

	Ref.	Data						
	Des.	Element	<u>Name</u>					
	<u>Attributes</u>							
M	SI01	559	Agency Qualifier Code		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

Data Element Summary

	Ref. <u>Des.</u>	Data <u>Element</u>	<u>Name</u>			
М	Attributes QTY01	673	Quantity Qualifier	M	ID 2/2	
			Code specifying the type of quantity			
			31 Additional Demand Quantity			
	QTY02	380	Quantity	X	R 1/15	
			Numeric value of quantity			
			DIRQTYA (DL-103) = Number of Directories for Annual Delivery			
	QTY03	C001	Composite Unit of Measure	0		
	To identify a composite unit of measure (See Figures Ap examples of use)	pend	ix for			
M	C00101	355	Unit or Basis for Measurement Code	M	ID 2/2	
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken DY Directory Books			

Number of directory books delivered to customer

Segment: 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.

Only one of QTY02 or QTY04 may be present.

Semantic Notes: 1 QTY04 is used when the quantity is non-numeric.

Comments:

Notes: QTY*38*DIRQTYNC(DL-104)*DY

Data Element Summary

	Ref. <u>Des.</u> <u>Attributes</u>	Data <u>Element</u>	Name				
M	QTY01	673	Quantity Qualifier	M	ID 2/2		
			Code specifying the type of quantity				
			38 Original Quantity				
	QTY02	380	Quantity	X	R 1/15		
			Numeric value of quantity				
			DIRQTYNC (DL-104) = Number of Directories Delivered on New Connect				
	QTY03	C001	Composite Unit of Measure	0			
			To identify a composite unit of measure (See Figures Appendix for examples of use)				
M	C00101	355	Unit or Basis for Measurement Code	M	ID 2/2		
			Code appoint in a the content in which a value in height averaged on				

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

Name Segment:

Position: 3400

> N1 Loop: Optional

Level: Detail Usage: Optional

Max Use:

Purpose: To identify a party by type of organization, name, and code

Syntax Notes: At least one of N102 or N103 is required.

If either N103 or N104 is present, then the other is required.

Semantic Notes:

This segment, used alone, provides the most efficient method of Comments: 1

providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the

transaction processing party.

N105 and N106 further define the type of entity in N101.

N1*DA*DELNAME Notes:

Data Element Summary

Ref. Data Des. **Element Name Attributes** М N101 98 **Entity Identifier Code** ID 2/3 Code identifying an organizational entity, a physical location, property or an individual DA **Delivery Address** N102 93 Name AN 1/60

Free-form name

"DELNAME"

Segment: N4 Geographic Location

Position: 3700

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To specify the geographic place of the named party

Syntax Notes: 1 Only one of N402 or N407 may be present.

If N406 is present, then N405 is required.
If N407 is present, then N404 is required.

Semantic Notes:

Comments: 1 A combination of either N401 through N404, or N405 and N406 may

be adequate to specify a location.

2 N402 is required only if city name (N401) is in the U.S. or Canada.

Notes: N4**STATE(DL-99)*ZIP(DL-100)

Data Element Summary

Ref. Data Des. **Element Name Attributes** N402 156 Χ ID 2/2 **State or Province Code** Code (Standard State/Province) as defined by appropriate government agency STATE (DL-99) = State/Province N403 116 ID 3/15 **Postal Code** 0

Code defining international postal zone code excluding punctuation and

blanks (zip code for United States)

ZIP (DL-100) = ZIP/Postal Code

Segment: NX2 Location ID Component

Position: 3750

Loop: N1 Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To define types and values of a geographic location

Syntax Notes: Semantic Notes:

Comments:

Ref.

Notes: NX2*01*DDANO(DL-85)

Data

NX2*02*DDASN(DL-88) NX2*03*DDASD(DL-87) NX2*07*CITY(DL-98) NX2*18*DDALO(DL-90a) NX2*40*DDASS(DL-90) NX2*59*DDAPR(DL-84) NX2*61*DDASF(DL-86) NX2*62*DDATH(DL-89)

Data Element Summary

	<u>Des.</u> Attributes	Element	<u>Name</u>			
M	NX201	1106	Address Component Qualifier			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	tion	M	AN 1/55

Address information

DDANO (DL-85) = Delivery Address Number DDASN (DL-88) = Delivery Address Street Name

DDASD (DL-87) = Delivery Address Street Directional Prefix

CITY (DL-98) = City

DDALO (DL-90a) = Delivery Address Location

DDASS (DL-90) = Delivery Address Street Directional Suffix

DDAPR (DL-84) = Delivery Address Number Prefix DDASF (DL-86) = Delivery Address Number Suffix DDATH (DL-89) = Delivery Address Street Type Segment: POC Line Item Change - DL Form (Service Details Section)

Position: 0100

Loop: POC Optional

Level: Detail
Usage: Optional

Max Use: 1

Purpose: To specify changes to a line item

Syntax Notes: 1 If POC03 is present, then both POC04 and POC05 are required.

2 If POC07 is present, then POC06 is required.

If either POC16 or POC17 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:

tes: 1 POC01 is the purchase order line item identification.

Notes: POC*n*RZ******ZZ*DL*SH*RTY(DL-12) [POC Loop may repeat]

Data Element Summary

	Ref.	Data	Data Elomont Gammar,		
	<u>Des.</u> Attributes	Element	<u>Name</u>		
	POC01	350	Assigned Identification	0	AN 1/20
			set	signed for differentiation within a	transaction
	2000		"n" = nth assigned ID within	·	ID 0/0
М	POC02	670	Change or Response Type		ID 2/2
			Code specifying the type of	change to the line item	
			RZ Replace	All Values	
			the origin	r should replace the correspondir nal purchase order with the value urchase Order Change Transaction	s contained
	POC08	235	Product/Service ID Qualif	ier X	ID 2/2
			Code identifying the type/source of the descriptive number Product/Service ID (234) ZZ Mutually Defined		sed in
	POC09	234	Product/Service ID	X	AN 1/48
			Identifying number for a prod	duct or service	
			"DL"		
	POC10	235	Product/Service ID Qualif	ier X	ID 2/2
			Code identifying the type/sor Product/Service ID (234)	urce of the descriptive number us	sed in
			SH Service	Requested	
				ic or alphanumeric code from a l available to the customer	ist of
	POC11	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:

> POC Loop: Optional

Level: Detail Usage: Optional Max Use: >1

Purpose: To specify service characteristic data

Syntax Notes: If either SI04 or SI05 is present, then the other is required. 1

If either SI06 or SI07 is present, then the other is required. If either SI08 or SI09 is present, then the other is required. 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. <u>Des.</u> <u>Attributes</u>	Data <u>Element</u>	<u>Name</u>	·		
M	SI01	559	Agency Qualifier	Code	M	ID 2/2
			Code identifying th	e 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	
			ВО	Business/Residence Placement Over	ide	
			BR	Directory Listings Type of Account		
			DG	Degree of Indent		
			DN	Directory Book Name		
			LB	Listing Activity Indicator		
			LE	Listing Type		
			TW	Style Code		
M	SI03	234	Product/Service	ID	M	AN 1/48
			Identifying number	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)

Data Element Summary

				,		
	Ref. <u>Des.</u>	Data <u>Element</u>	<u>Name</u>			
	<u>Attributes</u>					
М	PID01	349	Item Descrip	otion Type	М	ID 1/1
			Code indicati	ng the format of a description		
			S	Structured (From Industry Code List)		
	PID03	559	Agency Qua	alifier Code	X	ID 2/2
			Code identify	ring the agency assigning the code values		
			TI	Telecommunications Industry		
	PID04	751	Product Des	scription Code	X	AN 1/12
			A code from	an industry code list which provides specific	data	about a
			product char	acteristic		
			AR	Omit Telephone Number		
			AS	Listed Name Placement		
			AT	Address Indicator		

AW

Direct Mail List

AX No Solicitation Indicator

AY Telemarketing

BA Professional Identifier

PID07 822 Source Subqualifier

O AN 1/15

A reference that indicates the table or text maintained by the Source

Qualifier

SO-RSQ Service Order - Reseller Questions list

PID08 1073 Yes/No Condition or Response Code

O ID 1/1

Code indicating a Yes or No condition or response

OMTN (DL-41) = Omit TN Y=(DWS: O-Omit)

Blank=(DWS: Blank-Do Not Omit)

LNPL (DL-44) = Letter Name Placement

Y=(DWS: L-Letter Placement)

Blank=(DWS: Blank-Default to Word Placement)

ADI (DL-61) = Address Indicator

Y=(DWS: O-Omit in DA and Directory)
Blank=(DWS: Blank-Do Not Omit)

DML (DL-25) = Direct Mail List

Y=(DWS: O-Omit)

Blank=(DWS: Blank-Do Not Omit)

TMKT (DL-27) = Telemarketing

Y=(DWS: O-Omit From Telemarketing)
Blank=(DWS: Blank-Do Not Omit)

NOSL (DL-26) = No Solicitation Indicator PROF (DL-32) = Professional Identifier

REF Reference Identification Segment:

Position: 1000

> POC Loop: Optional

Level: Detail Usage: Optional Max Use: >1

Purpose: To specify identifying information

Syntax Notes: 1 At least one of REF02 or REF03 is required.

If either C04003 or C04004 is present, then the other is required. If either C04005 or C04006 is present, then the other is required.

REF04 contains data relating to the value cited in REF02.

Semantic Notes: Comments:

> Notes: REF*LI*ALI(DL-11)

> > **Data Element Summary**

Ref. Data **Element Name** Des. **Attributes** М REF01 128 **Reference Identification Qualifier** ID 2/3 М Code qualifying the Reference Identification Line Item Identifier (Seller's) REF02 127 **Reference Identification** Χ AN 1/30

Reference information as defined for a particular Transaction Set or as

specified by the Reference Identification Qualifier

ALI (DL-11) = Alpha/Numeric Listing Identifier Code

Segment: **N9** Reference Identification

Position: 3200

Loop: N9 Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To transmit identifying information as specified by the Reference

Identification Qualifier

Syntax Notes: 1 At least one of N902 or N903 is required.

2 If N906 is present, then N905 is required.

3 If either C04003 or C04004 is present, then the other is required.
4 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 N906 reflects the time zone which the time reflects.

2 N907 contains data relating to the value cited in N902.

Comments:

Notes: N9*82*PLA

Data Element Summary

Ref. Data

Des. Element Name

<u>Attributes</u>

M N901 128 Reference Identification Qualifier M ID 2/3

Code qualifying the Reference Identification

82 Data Item Description (DID) Reference

Specific data elements that the government will ask a contractor to provide and are spelled out in specific

requirement documents

N902 127 Reference Identification X AN 1/30

Reference information as defined for a particular Transaction Set or as

specified by the Reference Identification Qualifier

"PLA"

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**PLA(DL-55) 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

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 Element Summary

	Ref. Des.	Data <u>Element</u>	<u>Name</u>		
M	Attributes N901	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			82 Data Item Description (DID) Ref	erence	
			Specific data elements that the a contractor to provide and are requirement documents	•	
	N902	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Traspecified by the Reference Identification Qualifier	ansaction S	Set or as
			"LTXTY"		
	N903	369	Free-form Description Free-form descriptive text	Х	AN 1/45

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.

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: 3200

Loop: N9 Optional

Level: Detail
Usage: Optional

Max Use: 1

Purpose: To transmit identifying information as specified by the Reference

Identification Qualifier

Syntax Notes: 1 At least one of N902 or N903 is required.

2 If N906 is present, then N905 is required.

3 If either C04003 or C04004 is present, then the other is required.
4 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 N906 reflects the time zone which the time reflects.

2 N907 contains data relating to the value cited in N902.

Comments:

Notes: N9*H7*ORI*DL

Data Element Summary

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	Name	. Caa. y		
М	N901	128	Reference Iden	tification Qualifier	М	ID 2/3
			Code qualifying t	he Reference Identification		
			H7	Standard Clause		
	N902	127	Reference Iden	tification	X	AN 1/30
				nation as defined for a particular Trans Reference Identification Qualifier Order Instructions	action	Set or as
	N903	369	Free-form Desc	ription	X	AN 1/45
			Free-form descrip	otive text		
			"DL"			

Segment: MTX Text

Position: 3260

Loop: N9 Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify textual data

Syntax Notes: 1 If MTX01 is present, then MTX02 is required.

If MTX03 is present, then MTX02 is required.If MTX05 is present, then MTX04 is required.

Semantic Notes: 1 MTX05 is the number of lines to advance before printing.

Comments: 1 If MTX04 is "AA - Advance the specific number of lines before print",

then MTX05 is required.

Notes: MTX**REMARKS(DL-113)

Data Element Summary

Ref. Data

Des. Element Name

Attributes

MTX02 1551 Message Text X AN 1/4096

To transmit large volumes of message text

REMARKS (DL-113) = Remarks

Segment: N1 Name

Position: 3400

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To identify a party by type of organization, name, and code

Syntax Notes: 1 At least one of N102 or N103 is required.

If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments: 1 This segment, used alone, provides the most efficient method of

providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the

transaction processing party.

2 N105 and N106 further define the type of entity in N101.

Notes: N1*DH*LISTINGS

Data Element Summary

Ref. Data Des. **Element Name Attributes** М **Entity Identifier Code** N101 98 ID 2/3 Code identifying an organizational entity, a physical location, property or an individual DH Doing Business As N102 93 Name AN 1/60

Free-form name

"LISTINGS"

IN2 Individual Name Structure Components Segment:

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*12*DESD(DL-50a)*DESD IN2*10*TLD(DL-51)*TLD IN2*01*TITLE1D(DL-52)*TITLE1D

IN2*18*NICK(DL-54)

Data Element Summary

Ref. Data **Element Name** Des. **Attributes** М Name Component Qualifier **IN201** 1104 Code identifying the type of name component 01 Prefix 02 First Name

05 Last Name 10 Generation

12 Combined (Unstructured) Name 18 Preferred First Name or Nickname

21 Professional Title

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

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

NICK (DL-54) = Nickname

IN203 93 AN 1/60 Name 0

Free-form name

LNFN (DL-46) = Listed Name First

"TL" "TITLE1" "DESD" "TLD" "TITLE1D" ID 2/2

М

Segment: N4 Geographic Location

Position: 3700

Loop: N1 Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To specify the geographic place of the named party

Syntax Notes: 1 Only one of N402 or N407 may be present.

If N406 is present, then N405 is required.If N407 is present, then N404 is required.

Semantic Notes:

Comments: 1 A combination of either N401 through N404, or N405 and N406 may

be adequate to specify a location.

2 N402 is required only if city name (N401) is in the U.S. or Canada.

Notes: N4**LAST(DL-71)

Data Element Summary

Ref. Data
Des. Element Name

Attributes

N402 156 State or Province Code X ID 2/2

Code (Standard State/Province) as defined by appropriate government

agency

LAST (DL-71) = Listed Address State/Province

Segment: NX2 Location ID Component

Position: 3750

Loop: N1 Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To define types and values of a geographic location

Syntax Notes: Semantic Notes: Comments:

Ref.

NX202

Notes: NX2*01*LANO(DL-63)

Data

166

NX2*02*LASN(DL-66) NX2*03*LASD(DL-65) NX2*07*LALOC(DL-70) NX2*18*LALO(DL-69) NX2*40*LASS(DL-68) NX2*59*LAPR(DL-62) NX2*61*LASF(DL-64) NX2*62*LATH(DL-67)

Data Element Summary

	<u>Des.</u> Attributes	Element	<u>Name</u>				
M	NX201	1106	Address Con	nponent Qualifier	M	ID 2/2	
			Code qualifying the type of address component				
			01	Street Number			
			02	Street Name			
			03	Prefix Direction			
			07	City Name			
			18	Unstructured Mailing Address			
			40	Street Suffix			
			59	Street Number Low			
			61	Street Number Fraction			
			62	Street Name Suffix			

Address information

Address Information

LANO (DL-63) = Listed Address Number

LASN (DL-66) = Listed Address Street Name

LASD (DL-65) = Listed Address Street Directional Prefix

LALOC (DL-70) = Listed Address Locality LALO (DL-69) = Listed Address Location

LASS (DL-68) = Listed Address Street Directional Suffix

LAPR (DL-62) = Listed Address Number Prefix LASF (DL-64) = Listed Address Number Suffix LATH (DL-67) = Listed Address Street Type

М

M AN 1/55

Segment: SI Service Characteristic Identification

Position: 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)

Data Element Summary

	Ref. <u>Des.</u>	Data <u>Element</u>	<u>Name</u>	·		
	<u>Attributes</u>					
М	SI01	559	Agency Qualifier	r 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	ustry code list qualifying the type of serv	/ice	
			NS	Non-Standard Telephone Number		
			TN	Telephone Number		
M	SI03	234	Product/Service	ID	M	AN 1/48
			Identifying number	r for a product or service		
				ted Telephone Number Ion Standard Telephone Number		

Segment: CTT Transaction Totals

Position: 0100

Loop: CTT Optional

Level: Summary Usage: Optional

Max Use: 1

Purpose: To transmit a hash total for a specific element in the transaction setSyntax Notes: 1 If either CTT03 or CTT04 is present, then the other is required.

If either CTT05 or CTT06 is present, then the other is required.

Semantic Notes:

Comments: 1 This segment is intended to provide hash totals to validate

transaction completeness and correctness.

Notes: CTT*Number of POC Segments

Data Element Summary

Ref. Data

Des. Element Name

<u>Attributes</u>

M CTT01 354 Number of Line Items M N0 1/6

Total number of line items in the transaction set

Segment: **SE** Transaction Set Trailer

Position: 0300

Loop:

Level: Summary Usage: Mandatory

Max Use: 1

Purpose: To indicate the end of the transaction set and provide the count of the

transmitted segments (including the beginning (ST) and ending (SE)

segments)

Syntax Notes:

Semantic Notes:

Comments: 1 SE is the last segment of each transaction set.

Notes: SE*Number of Segments*TRAN SET CONTROL #

Data Element Summary

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	Name		
M	SE01	96	Number of Included Segments	M	N0 1/10
			Total number of segments included in a transaction set in and SE segments	ncludi	ing ST
M	SE02	329	Transaction Set Control Number	M	AN 4/9
			Identifying control number that must be unique within the functional group assigned by the originator for a transacti		