

UNE-P PRI ISDN TRUNK

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53. UNE-P PRI ISDN Trunk

53.1 Business Description

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

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

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

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

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

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

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

Order Activity Definition

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

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

Line Activity

| LNA | Definition | Application |
|---------------|------------------------------|---|
| N | New Line. | New line at premises. FA must equal N. |
| 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). FA = N (if TC OPT = S or T on CRS) or D. |
| 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), 'Feature Change Old' (FA = C), 'Feature Change New' (FA=T), or 'Feature Disconnect' (FA=D). |
| C | Change | A change to a line with only the changed fields populated. Resale - FA can be 'Add/Install' (FA = N), 'Change Old' (FA = C), 'Disconnect' (FA = D), or 'Change New' (FA = T). If the USOC is changing, use FA of 'N' and 'N'. If USOC is staying the same, and the FID or FID detail is changing, use FA of 'C' and 'T'. Resale – FA (Feature Activity) is used to delete lines and features and include applicable charges (i.e. transfer of calls). |
| X | Phone 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. |
| P | PIC Change | This LNA should only be used for PIC changes without any other activity. FA entries would not be appropriate. If PIC Changes occur with other activity, an LNA of C should be used. |
| All other LNA | Not Allowed | |

LISTING ACTIVITIES

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

53.2 Business Model

See Appendix H

53.3 Developer Worksheets

See Appendices B and C – Developer Worksheets - Order

53.4 Trading Partner Access Information

| ORDERING FUNCTION | PRODUCT ID |
|--|------------|
| UNE P PRI ISDN Trunk | 850UPIT |
| UNE P PRI ISDN Trunk Supplemental | 860UPIT |
| Status Update – Auto Push | 855SU |
| Firm Order Confirmation | 855FOC |
| Firm Order Confirmation on Supplemental | 865FOC |
| Non Fatal Error Response | 855NF |
| Non Fatal Error Response on Supplemental | 865NF |
| Fatal Error Response | 855FATAL |
| Fatal Error Response on Supplemental | 865FATAL |
| Jeopardy | 865JEOP |
| Completion | 865COMP |

Order Submittal

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

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

53.4.1 OVERVIEW: Qwest Specific Functional Group Envelope - Routing Information

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

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

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

53.4.2 ISA TABLE INFORMATION

ANSI X12 ISA and IEA definitions:

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

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

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

53.4.3 GS TABLE INFORMATION

ANSI X12 GS and GE segment definitions:

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

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

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

GS Table

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

| ORDERING FUNCTION | Qwest SEND/ RECEIVE | DOCUMENT | GS01 VALUE | GS02 VALUE | GS03 VALUE |
|---------------------------|---------------------|----------|------------|--------------------------|--------------------------|
| Service Request | Receive | 850UPIT | PO | <i>Co-Provider TP ID</i> | UPIT90 |
| Status Update – Auto Push | Send | 855SU | PR | SU90 | <i>Co-Provider TP ID</i> |
| Firm Order Confirmation | Send | 855FOC | PR | FOC90 | <i>Co-Provider TP ID</i> |
| Non Fatal Error Response | Send | 855NF | PR | NF90 | <i>Co-Provider TP ID</i> |
| Fatal Error Response | Send | 855FATAL | PR | FATAL90 | <i>Co-Provider TP ID</i> |
| Jeopardy | Send | 865JEOP | CA | JEOP90 | <i>Co-Provider TP ID</i> |
| Completion | Send | 865COMP | CA | COMP90 | <i>Co-Provider TP ID</i> |

Supplemental Order

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

GS Table (Supplemental)

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

| ORDERING FUNCTION | Qwest SEND/ RECEIVE | DOCUMENT | GS01 VALUE | GS02 VALUE | GS03 VALUE |
|---------------------------|----------------------------|-----------------|-------------------|--------------------------|--------------------------|
| Supplemental | Receive | 860UPIT | PC | <i>Co-Provider TP ID</i> | UPIT80 |
| Status Update – Auto Push | Send | 855SU | PR | SU90 | <i>Co-Provider TP ID</i> |
| Firm Order Confirmation | Send | 865FOC | CA | FOC90 | <i>Co-Provider TP ID</i> |
| Non Fatal Error Response | Send | 865NF | CA | NF90 | <i>Co-Provider TP ID</i> |
| Fatal Error Response | Send | 865FATAL | CA | FATAL90 | <i>Co-Provider TP ID</i> |
| Jeopardy | Send | 865JEOP | CA | JEOP90 | <i>Co-Provider TP ID</i> |
| Completion | Send | 865COMP | CA | COMP90 | <i>Co-Provider TP ID</i> |

53.4.4 MAPPING EXAMPLE AND DATA DICTIONARY ITEMS

Purchase Order (PO) Date

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

Time Code

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

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

4020 Exceptions

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

- SLN loop maximum use has been changed to >1

Delimiters

The following delimiters will be used:

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

Qwest Specific Fields

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

Composite Element

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

See Figures Appendix for examples of use).

Industry Standards Table:

| OBF FORM | OBF ISSUE | EDI SOSC ISSUE | X12 STANDARD |
|-------------------------|--|----------------|--------------|
| End User | LSOG 5 and LSOG 3 (When Applicable) | ELMS 5 | 004020 |
| Local Service Request | LSOG 5 | ELMS 5 | 004020 |
| Directory Listing | LSOG 5 | ELMS 5 | 004020 |
| Resale | LSOG 5 | ELMS 5 | 004020 |
| Status Updates | | | 004020 |
| Firm Order Confirmation | | | 004020 |

| | | | |
|--------------------------|--|--|--------|
| Non Fatal Error Response | | | 004020 |
| Fatal Error Response | | | 004020 |
| Jeopardy | | | 004020 |
| Completion | | | 004020 |

53.5 Mapping Examples

53.5.1 850 UNE-P PRI ISDN Resale Trunks Query (850UPIT) – Version 4020

Legend of Symbols in this transaction example

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

ST*850*TRAN SET CONTROL #
 BEG*00*SS****PON***^{LSR-2**}PO Date(See Trading Partner Access Information)
 REF*11****AN***^{LSR-7*}***AN***
 REF*JB****PROJECT***^{LSR-20}
 REF*SU****RTR***^{LSR-28*}***RTR***
 REF*CO****RPON***^{LSR-51*}***RPON***
 REF*1V****RORD***^{LSR-52*}***RORD***
 REF*12****BAN1***^{LSR-61*}***BAN1***
 REF*OW****ORD***^{RE-6*}***ORD***
 REF*AO****APT CON***^{LSR-15a}
 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
 SAC*N**TI*EXP [If this segment appears then ***EXP***^{LSR-26} = "Y"]
 SAC*N**TI*VT********VTA***^{LSR-80}
 DTM*097****D/TSENT***{CCYYMMDD}^{LSR-12*}***D/TSENT***{HHMM}^{LSR-12}
 DTM*150****DDD***{CCYYMMDD}^{LSR-14***}TM/RTM****APPTIME***{HHMM[-HHMM]}^{LSR-15}
 DTM*270****DATED***{CCYYMMDD}^{LSR-36}
 SI*TI*RE****REQTYP***^{LSR-23}
 SI*TI*AA****ACT***^{LSR-24}
 SI*TI*TY****TOS***^{LSR-44}
 SI*TI*SS****SPEC***^{LSR-45}

PID*S**TI*AO***SO-RSQ***AGAUTH**^{LSR-35}
 PID*S**TI*BI***SO-RSQ***FBI**^{EU-42}
 PID*S**TI*PENDING***SO-RSQ***PENDING ORDER**^{LSR-108b}
 N9*H7*ORI*LSR***2W>**MANUAL IND**^{LSR-108a}
 MTX****REMARKS**^{LSR-108}
 N9*H7*ORI*EU***2W>**MANUAL IND**^{EU-63a}
 MTX****REMARKS**^{EU-63}
 N9*H7*ORI*RESALE***2W>**MANUAL IND**^{RE-60b}
 MTX****REMARKS**^{RE-60a}
 N1*78***CCNA**^{LSR-1}
 PER*AG***INT**^{LSR-81}*TE***TEL NO**^{LSR-82}*FX***FAX NO**^{LSR-84}*EM***EMAIL**^{LSR-83}
 PER*CN***IMPCON**^{LSR-91}*TE***TEL NO**^{LSR-92}*BN***PAGER**^{LSR-93}
 PER*AL***ALT IMPCON**^{LSR-94}*TE***TEL NO**^{LSR-95}*BN***PAGER**^{LSR-96}
 N1*AN***AUTHNM**^{LSR-37}
 N1*X1***BILLNM**^{EU-43}
 N2***SBILLNM**^{EU-44}
 N4****STATE**^{EU-49}***ZIP**^{EU-50}
 NX2*01***SANO**^{EU-45b}
 NX2*02***SASN**^{EU-45e}
 NX2*03***SASD**^{EU-45d}
 NX2*07***CITY**^{EU-48}
 NX2*32***FLOOR**^{EU-46}
 NX2*35***ROOM/MAIL STOP**^{EU-47}
 NX2*40***SASS**^{EU-45g}
 NX2*59***SAPR**^{EU-45a}
 NX2*61***SASF**^{EU-45c}
 NX2*62***SATH**^{EU-45f}
 SI*TI*AF***AFT**^{EU-44a}

End User Form (Location and Access Section)

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

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***TCPR***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**

[SLN Loop May Repeat]

Resale Form (Service Details Section)

PO1*n*1*EA***ZZ***RE**
 SI*TI*SA***LNA**^{RE-12}
 SI*TI*TN***TNS**^{RE-15}
 SI*TI*OT***OTN**^{RE-19}
 SI*TI*TD***PTKCON**^{RE-24}
 SI*TI*CN***ECCKT**^{RE-28}
 SI*TI*T6***TC OPT**^{RE-35}
 SI*TI*BD***PRIBD**^{RE-20}
 PID*S**TI*AG***SO-RSQ***NIDR**^{RE-47}
 PID*X**TI*CFA***CFA**^{RE-57}
 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***TCPR***n*A*1*EA
 SI*TI*TC***TC TO PRI**^{RE-38}
 N1*TT***TC NAME**^{RE-38b}
 REF*55***TCID**^{RE-38a*}**PRI**
 SLN***TCSEC***n*A*1*EA
 SI*TI*TC***TC TO SEC**^{RE-39}
 N1*TT***TC NAME**^{RE-42}
 REF*55***TCID**^{RE-41*}**SEC**

[PO1 Loop Repeats **RSQTY**^{RE-5} times]

[SLN Loop May Repeat]

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]

DL Form (Delivery Address/Information Section)

PO1*n*1*EA***ZZ***DA**
 SI*TI*AD***DACT**^{DL-81}
 QTY*31***DIRQTYA**^{DL-103*}**DY**
 QTY*38***DIRQTYNC**^{DL-104*}**DY**
 N1*DA***DELNAME**
 N4****STATE**^{DL-99*}**ZIP**^{DL-100}

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

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}

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}
 SI*TI*BR***TOA**^{DL-16}
 SI*TI*DG***DOI**^{DL-17}
 SI*TI*DN***DIRNAME**^{DL-34}
 SI*TI*BO***BRO**^{DL-28}
 PID*S**TI*AR***SO-RSQ***OMTN**^{DL-41}
 PID*S**TI*AS***SO-RSQ***LNPL**^{DL-44}
 PID*S**TI*AT***SO-RSQ***ADI**^{DL-61}
 PID*S**TI*AW***SO-RSQ***DML**^{DL-25}
 PID*S**TI*AX***SO-RSQ***NOSL**^{DL-26}
 PID*S**TI*AY***SO-RSQ***TMKT**^{DL-27}
 PID*S**TI*BA***SO-RSQ***PROF**^{DL-32}
 REF*LI***ALI**^{DL-11}
 N9*82***PLA**
 MTX****PLA**^{DL-55}
 N9*82***LXTY*****LXTY**^{DL-57}
 MTX****LTEXT**^{DL-59}
 N9*H7*ORI*DL
 MTX****REMARKS**^{DL-113}
 N1*DH***LISTINGS**
 IN2*05***LNLN**^{DL-45}
 IN2*02***LNFN**^{DL-46*} **LNFN**^{DL-46}
 IN2*21***DES**^{DL-47}
 IN2*10***TL**^{DL-48*} **TL**
 IN2*01***TITLE1**^{DL-49*} **TITLE1**
 IN2*18***NICK**^{DL-54}
 IN2*12***DESD**^{DL-50a*} **DESD**
 IN2*10***TLD**^{DL-51*} **TLD**
 IN2*01***TITLE1D**^{DL-52*} **TITLE1D**
 N4****LAST**^{DL-71}
 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}
 SI*TI*TN***LTN**^{DL-39}
 SI*TI*NS***NSTN**^{DL-40}

[PO1 Loop May Repeat]

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

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

CTT*Number of PO1 Segments

SE*Number of Segments*TRAN SET CONTROL #

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

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

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

53.6 Data Dictionary

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

Functional Group ID=**PO**

Introduction:

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

This implementation guideline references the following:

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

Notes:

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

Heading:

| | <u>Pos. No.</u> | <u>Seg. ID</u> | <u>Name</u> | <u>Req. Des.</u> | <u>Max.Use</u> | <u>Loop Notes and RepeatComments</u> |
|---------------|-----------------|----------------|--|------------------|----------------|--------------------------------------|
| M | 0100 | ST | Transaction Set Header | M | 1 | |
| M | 0200 | BEG | Beginning Segment for Purchase Order | M | 1 | |
| | 0500 | REF | Reference Identification | O | >1 | |
| | 0950 | PAM | Period Amount | O | 10 | |
| LOOP ID - SAC | | | | | | 25 |
| | 1200 | SAC | Service, Promotion, Allowance, or Charge Information | O | 1 | |
| | 1500 | DTM | Date/Time Reference | O | 10 | |
| | 1850 | SI | Service Characteristic Identification | O | >1 | |
| | 1900 | PID | Product/Item Description | O | 200 | |
| LOOP ID - N9 | | | | | | 1000 |
| | 2950 | N9 | Reference Identification | O | 1 | |
| | 3000 | MTX | Text | O | >1 | |
| LOOP ID - N9 | | | | | | 1000 |
| | 2950 | N9 | Reference Identification | O | 1 | |
| | 3000 | MTX | Text | O | >1 | |
| LOOP ID - N9 | | | | | | 1000 |
| | 2950 | N9 | Reference Identification | O | 1 | |
| | 3000 | MTX | Text | O | >1 | |
| LOOP ID - N1 | | | | | | 200 |
| | 3100 | N1 | Name | O | 1 | |
| | 3600 | PER | Administrative Communications Contact | O | >1 | |
| LOOP ID - N1 | | | | | | 200 |
| | 3100 | N1 | Name | O | 1 | |
| LOOP ID - N1 | | | | | | 200 |
| | 3100 | N1 | Name | O | 1 | |
| | 3200 | N2 | Additional Name Information | O | 2 | |

| | | | | |
|------|-----|---------------------------------------|---|----|
| 3400 | N4 | Geographic Location | O | >1 |
| 3450 | NX2 | Location ID Component | O | >1 |
| 3650 | SI | Service Characteristic Identification | O | >1 |

Detail:

| | <u>Pos. No.</u> | <u>Seg. ID</u> | <u>Name</u> | <u>Req. Des.</u> | <u>Max.Use</u> | <u>Loop</u> | <u>Notes and RepeatComments</u> |
|---|-----------------|----------------|---|------------------|----------------|-------------|---------------------------------|
| | | | LOOP ID - PO1 | | | 100000 | |
| M | 0100 | PO1 | Baseline Item Data - End User Form (Location and Access Section) | M | 1 | | n1 |
| | 0180 | SI | Service Characteristic Identification | O | >1 | | |
| | | | LOOP ID - N1 | | | 200 | |
| | 3500 | N1 | Name | O | 1 | | |
| | 3800 | N4 | Geographic Location | O | 1 | | |
| | 3850 | NX2 | Location ID Component | O | >1 | | |
| | 4050 | SI | Service Characteristic Identification | O | >1 | | |
| | | | LOOP ID - PO1 | | | 100000 | |
| M | 0100 | PO1 | Baseline Item Data - End User Form (Disconnect Information Section) | M | 1 | | n2 |
| | 0180 | SI | Service Characteristic Identification | O | >1 | | |
| | 1000 | REF | Reference Identification | O | >1 | | |
| | 2100 | DTM | Date/Time Reference | O | 10 | | |
| | | | LOOP ID - SLN | | | >1 | |
| | 4700 | SLN | Subline Item Detail | O | 1 | | |
| | 4800 | SI | Service Characteristic Identification | O | >1 | | |
| | | | LOOP ID - N1 | | | 10 | |
| | 5350 | N1 | Name | O | 1 | | |
| | 5800 | REF | Reference Identification | O | 12 | | |
| | | | LOOP ID - SLN | | | >1 | |
| | 4700 | SLN | Subline Item Detail | O | 1 | | |
| | 4800 | SI | Service Characteristic Identification | O | >1 | | |
| | | | LOOP ID - N1 | | | 10 | |
| | 5350 | N1 | Name | O | 1 | | |
| | 5800 | REF | Reference Identification | O | 12 | | |
| | | | LOOP ID - PO1 | | | 100000 | |
| M | 0100 | PO1 | Baseline Item Data - Resale Form (Service Details Section) | M | 1 | | n3 |
| | 0180 | SI | Service Characteristic Identification | O | >1 | | |
| | | | LOOP ID - PID | | | 1000 | |
| | 0500 | PID | Product/Item Description | O | 1 | | |
| | 1000 | REF | Reference Identification | O | >1 | | |
| | 2100 | DTM | Date/Time Reference | O | 10 | | |
| | | | LOOP ID - N1 | | | 200 | |
| | 3500 | N1 | Name | O | 1 | | |
| | | | LOOP ID - N1 | | | 200 | |
| | 3500 | N1 | Name | O | 1 | | |
| | | | LOOP ID - SLN | | | >1 | |
| | 4700 | SLN | Subline Item Detail | O | 1 | | |
| | 4800 | SI | Service Characteristic Identification | O | >1 | | |
| | | | LOOP ID - N1 | | | 10 | |
| | 5350 | N1 | Name | O | 1 | | |
| | 5800 | REF | Reference Identification | O | 12 | | |
| | | | LOOP ID - SLN | | | >1 | |

| | | | | | | |
|---|------|-----|---|---|----|--------|
| | 4700 | SLN | Subline Item Detail | O | 1 | |
| | 4800 | SI | Service Characteristic Identification | O | >1 | |
| | | | | | | 10 |
| | 5350 | N1 | Name | O | 1 | |
| | 5800 | REF | Reference Identification | O | 12 | |
| | | | | | | >1 |
| | 4700 | SLN | Subline Item Detail | O | 1 | |
| | 4800 | SI | Service Characteristic Identification | O | >1 | |
| | | | | | | >1 |
| | 4700 | SLN | Subline Item Detail | O | 1 | |
| | 4800 | SI | Service Characteristic Identification | O | >1 | |
| | | | | | | 100000 |
| M | 0100 | PO1 | Baseline Item Data - DL Form (Delivery Address/Information Section) | M | 1 | n4 |
| | 0180 | SI | Service Characteristic Identification | O | >1 | |
| | | | | | | >1 |
| | 2930 | QTY | Quantity | O | 1 | |
| | | | | | | 200 |
| | 3500 | N1 | Name | O | 1 | |
| | 3800 | N4 | Geographic Location | O | 1 | |
| | 3850 | NX2 | Location ID Component | O | >1 | |
| | | | | | | 100000 |
| M | 0100 | PO1 | Baseline Item Data - DL Form (Service Details Section) | M | 1 | n5 |
| | 0180 | SI | Service Characteristic Identification | O | >1 | |
| | | | | | | 1000 |
| | 0500 | PID | Product/Item Description | O | 1 | |
| | 1000 | REF | Reference Identification | O | >1 | |
| | | | | | | 1000 |
| | 3300 | N9 | Reference Identification | O | 1 | |
| | 3400 | MTX | Text | O | >1 | |
| | | | | | | 1000 |
| | 3300 | N9 | Reference Identification | O | 1 | |
| | 3400 | MTX | Text | O | >1 | |
| | | | | | | 1000 |
| | 3300 | N9 | Reference Identification | O | 1 | |
| | 3400 | MTX | Text | O | >1 | |
| | | | | | | 200 |
| | 3500 | N1 | Name | O | 1 | |
| | 3650 | IN2 | Individual Name Structure Components | O | >1 | |
| | 3800 | N4 | Geographic Location | O | 1 | |
| | 3850 | NX2 | Location ID Component | O | >1 | |
| | 4050 | SI | Service Characteristic Identification | O | >1 | |
| | | | | | | 100000 |
| M | 0100 | PO1 | Baseline Item Data - DUMMY | M | 1 | n6 |

Summary:

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

Transaction Set Notes

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

Segment: **ST** Transaction Set Header

Position: 0100

Loop:

Level: Heading

Usage: Mandatory

Max Use: 1

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

Syntax Notes:

Semantic Notes:

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

Comments:

Notes: ST*850*TRAN SET CONTROL #

Data Element Summary

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

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

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

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

Data Element Summary

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

Segment: **REF** Reference Identification

Position: 0500

Loop:

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To specify identifying information

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

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

Comments:

Notes:

REF*11*AN (LSR-7)*AN
 REF*JB*PROJECT (LSR-20)
 REF*SU*RTR (LSR-28)*RTR
 REF*CO*RPON (LSR-51)*RPON
 REF*1V*RORD (LSR-52)*RORD
 REF*12*BAN1 (LSR-61)*BAN1
 REF*OW*ORD (RE-6)*ORD
 REF*AO*APT CON (LSR-15a)

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Element</u> | <u>Name</u> | |
|-------------|--------------|----------------|---|------------------|
| M | REF01 | 128 | Reference Identification Qualifier | M ID 2/3 |
| | | | Code qualifying the Reference Identification | |
| | | | 11 Account Number | |
| | | | Number identifies a telecommunications industry account | |
| | | | 12 Billing Account | |
| | | | Account number under which billing is rendered | |
| | | | 1V Related Vendor Order Number | |
| | | | A vendor's order number that is in addition to a primary order number | |
| | | | AO Appointment Number | |
| | | | CO Customer Order Number | |
| | | | JB Job (Project) Number | |
| | | | OW Service Order Number | |
| | | | Number assigned when a customer orders service and equipment and which appears on bill | |
| | | | SU Special Processing Code | |
| | | | Unique code identifying the special handling requirements for the claim | |
| | REF02 | 127 | Reference 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 | |
| | | | PROJECT (LSR-20) = Project Identification | |
| | | | RTR (LSR-28) = Response Type Requested | |
| | | | RPON (LSR-51) = Related Purchase Order Number | |
| | | | RORD (LSR-52) = Related Order Number | |
| | | | BAN1 (LSR-61) = Billing Account Number 1 | |
| | | | ORD (RE-6) = Order Number | |
| | | | APT CON (LSR-15a) = Appointment Confirmation | |

REF03

352

Description

X AN 1/80

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

"AN"

"RTR"

"RPON"

"RORD"

"BAN1"

"ORD"

Segment: **PAM** Period Amount

Position: 0950

Loop:

Level: Heading

Usage: Optional

Max Use: 10

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

- Syntax Notes:**
- 1 If any of PAM01 PAM02 or PAM03 is present, then all are required.
 - 2 At least one of PAM02 PAM05 or PAM14 is required.
 - 3 If either PAM04 or PAM05 is present, then the other is required.
 - 4 If either PAM06 or PAM07 is present, then the other is required.
 - 5 If PAM07 is present, then at least one of PAM08 or PAM09 is required.
 - 6 If PAM07 is present, then PAM06 is required.
 - 7 If PAM08 is present, then PAM07 is required.
 - 8 If PAM09 is present, then PAM07 is required.
 - 9 If PAM10 is present, then at least one of PAM11 or PAM12 is required.
 - 10 If PAM11 is present, then PAM10 is required.
 - 11 If either PAM13 or PAM14 is present, then the other is required.

- Semantic Notes:**
- 1 PAM10, PAM11, or PAM12 are used when two dates are required.
 - 2 PAM15 indicates whether the monetary amount identified in PAM05 is a net or gross value. A "Y" indicates amount is a gross value; an "N" indicates amount is a net value.

Comments:

Notes:

PAM*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

| <u>Ref.</u> | <u>Data</u> | <u>Name</u> | | |
|-------------------|----------------|---|----------|---------------|
| <u>Des.</u> | <u>Element</u> | | | |
| Attributes | | | | |
| PAM01 | 673 | Quantity Qualifier | X | ID 2/2 |
| | | Code specifying the type of quantity | | |
| | | 47 Primary Net Quantity | | |
| | | 48 Secondary Net Quantity | | |
| | | BH Book Order Quantity | | |
| | | KC Net Quantity Decrease | | |
| | | The resultant quantity represents a net decrease to a previously transmitted quantity, after adjustments have been made | | |
| | | QO Operating Quantity | | |
| PAM02 | 380 | Quantity | X | R 1/15 |
| | | Numeric value of quantity | | |
| | | First 2 bytes of PG_of_ (LSR-10) | | |
| | | Second 2 bytes of PG_of_ (LSR-10) | | |
| | | DQTY (EU-5) = Disconnect Quantity | | |
| | | RSQTY (RE-5) = Resale Quantity | | |
| | | DDQTY (DL-23) = Number of Delivery Segments | | |
| PAM03 | C001 | Composite Unit of Measure | X | |
| | | To identify a composite unit of measure (See Figures Appendix for examples of use) | | |

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

Segment: **SAC** Service, Promotion, Allowance, or Charge Information
Position: 1200
Loop: SAC Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

- Syntax Notes:**
- 1 At least one of SAC02 or SAC03 is required.
 - 2 If either SAC03 or SAC04 is present, then the other is required.
 - 3 If either SAC06 or SAC07 is present, then the other is required.
 - 4 If either SAC09 or SAC10 is present, then the other is required.
 - 5 If SAC11 is present, then SAC10 is required.
 - 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
 - 7 If SAC14 is present, then SAC13 is required.
 - 8 If SAC16 is present, then SAC15 is required.

- Semantic Notes:**
- 1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
 - 2 SAC05 is the total amount for the service, promotion, allowance, or charge.
If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
 - 3 SAC08 is the allowance or charge rate per unit.
 - 4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
 - 5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
 - 6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
 - 7 SAC16 is used to identify the language being used in SAC15.

- Comments:**
- 1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction with SAC03 to further define SAC02.
 - 2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Notes: SAC*N**TI*EXP [If this segment appears then EXP (LSR-26) = "Y"]
SAC*N**TI*VT*****VTA (LSR-80)

Data Element Summary

| Ref. | Data | Element | Name | |
|-------------------|-------|---------|---|----------|
| <u>Des.</u> | | | | |
| <u>Attributes</u> | | | | |
| M | SAC01 | 248 | Allowance or Charge Indicator | M ID 1/1 |
| | | | Code which indicates an allowance or charge for the service specified | |
| | | | N No Allowance or Charge | |

| | | | | |
|--------------|-------------|---|----------|----------------|
| SAC03 | 559 | Agency Qualifier Code | X | ID 2/2 |
| | | Code identifying the agency assigning the code values | | |
| | | TI Telecommunications Industry | | |
| SAC04 | 1301 | Agency Service, Promotion, Allowance, or Charge Code | X | AN 1/10 |
| | | Agency maintained code identifying the service, promotion, allowance, or charge | | |
| | | EXP Expedited Service Charge | | |
| | | VT Variable Term Contract Pricing Plan | | |
| SAC15 | 352 | Description | X | AN 1/80 |
| | | A free-form description to clarify the related data elements and their content | | |
| | | VTA (LSR-80) = Variable Term Agreement | | |

Segment: **DTM** Date/Time Reference

Position: 1500

Loop:

Level: Heading

Usage: Optional

Max Use: 10

Purpose: To specify pertinent dates and times

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

Semantic Notes:

Comments:

Notes:

DTM*150*DDD{CCYYMMDD} (LSR-14)***TM/RTM*APPTIME
{HHMM[-HHMM]} (LSR-15)

DTM*097*D/TSENT{CCYYMMDD} (LSR-12)*D/TSENT{HHMM} (LSR-12)
DTM*270*DATED{CCYYMMDD} (LSR-36)

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|---|------------------|---------------------|--|----------|----------------|
| M | DTM01 | 374 | Date/Time Qualifier Code specifying type of date or time, or both date and time 097 Transaction Creation 150 Service Period Start 270 Date Filed | M | ID 3/3 |
| | DTM02 | 373 | Date Date expressed as CCYYMMDD D/TSENT (LSR-12) = Date Sent DDD (LSR-14) = Desired Due Date DATED (LSR-36) = Date of Agency Authorization | X | DT 8/8 |
| | DTM03 | 337 | Time 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 | X | TM 4/8 |
| | DTM05 | 1250 | Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format RTM Range of Time Expressed in Format HHMM-HHMM A range of times expressed in the form HHMM-HHMM where HH is the numerical expression of hours in the day based on a twenty-four hour clock and MM is the numerical expression of minutes within an hour; the first occurrence of HHMM is the starting time and the second is the ending time TM Time Expressed in Format HHMM Time expressed in the format HHMM where HH is the numerical expression of hours in the day based on a twenty-four hour clock and MM is the numerical expression of minutes within an hour | X | ID 2/3 |
| | DTM06 | 1251 | Date Time Period Expression of a date, a time, or range of dates, times or dates and | X | AN 1/35 |

times

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

Segment: **SI** Service Characteristic Identification

Position: 1850

Loop:

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To specify service characteristic data

Syntax Notes:

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

Semantic Notes:

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

Notes: SI*TI*RE*REQTYP (LSR-23)
 SI*TI*AA*ACT (LSR-24)
 SI*TI*TY*TOS (LSR-44)
 SI*TI*SS*SPEC (LSR-45)

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|---|-------------------|---------------------|---|---|---------|
| | Attributes | | | | |
| M | SI01 | 559 | Agency Qualifier Code Code identifying the agency assigning the code values TI Telecommunications Industry | M | ID 2/2 |
| M | SI02 | 1000 | Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics AA Account Activity Code RE Requisition Type and Status SS Service Sub-catagory Code TY Type of Service | M | AN 2/2 |
| M | SI03 | 234 | Product/Service ID Identifying number for a product or service ACT (LSR-24) = Activity A = (DWS : N - New Installation) D = (DWS : D - Disconnect of Entire Account) C = (DWS : C - Change) V = (DWS : V - Conversion as Specified) W = (DWS : W - Conversion As Is) T = (DWS : T - Outside Move (T/F)) Z = (DWS : Z - Conversion as specified/no listing) REQTYP (LSR-23) = Requisition Type and Status TOS (LSR-44) = Type of Service SPEC (LSR-45) = Service and Product Enhancement Code | M | AN 1/48 |

| | |
|------------------------|---|
| Segment: | PID Product/Item Description |
| Position: | 1900 |
| Loop: | |
| Level: | Heading |
| Usage: | Optional |
| Max Use: | 200 |
| Purpose: | To describe a product or process in coded or free-form format |
| Syntax Notes: | <ol style="list-style-type: none"> 1 If PID04 is present, then PID03 is required. 2 At least one of PID04 or PID05 is required. 3 If PID07 is present, then PID03 is required. 4 If PID08 is present, then PID04 is required. 5 If PID09 is present, then PID05 is required. |
| Semantic Notes: | <ol style="list-style-type: none"> 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: | <ol style="list-style-type: none"> 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: | <div style="background-color: #e0e0e0; padding: 5px;"> PID*S**TI*AO***SO-RSQ*AGAUTH (LSR-35) PID*S**TI*BI***SO-RSQ*FBI (EU-42) PID*S**TI*PENDING***SO-RSQ*PENDING ORDER (LSR-108b) </div> |

Data Element Summary

| Ref. | Data | Name | | |
|-------------|----------------|-------------|--|------------------|
| <u>Des.</u> | <u>Element</u> | <u>Name</u> | | |
| M | PID01 | 349 | Item Description Type Code indicating the format of a description S Structured (From Industry Code List) | M ID 1/1 |
| | PID03 | 559 | Agency Qualifier Code Code identifying the agency assigning the code values TI Telecommunications Industry | X ID 2/2 |
| | PID04 | 751 | Product Description Code A code from an industry code list which provides specific data about a product characteristic AO Agency Authorization Status BI Final Bill Information Indicator PENDING Pending Order | X AN 1/12 |
| | PID07 | 822 | Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier SO-RSQ Service Order - Reseller Questions List | O AN 1/15 |
| | PID08 | 1073 | Yes/No Condition or Response Code Code indicating a Yes or No condition or response FBI (EU-42) = Final Bill Information Indicator | O ID 1/1 |

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

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

Segment: **N9 Reference Identification**

Position: 2950

Loop: N9 Optional

Level: Heading

Usage: Optional

Max Use: 1

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

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

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

Comments:

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

Data Element Summary

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

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

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

Semantic Notes:

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

Comments:

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

Notes: MTX**REMARKS (LSR-108)

Data Element Summary

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

Segment: **N9 Reference Identification**

Position: 2950

Loop: N9 Optional

Level: Heading

Usage: Optional

Max Use: 1

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

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

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

Comments:

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

Data Element Summary

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

Segment: **MTX** Text

Position: 3000

Loop: N9 Optional

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To specify textual data

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

2 If MTX03 is present, then MTX02 is required.

3 If MTX05 is present, then MTX04 is required.

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

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

Notes: MTX**REMARKS (EU-63)

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Element</u> | <u>Name</u> | | |
|-------------------|-------------|---|-------------|---|-----------|
| <u>Attributes</u> | | | | | |
| 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 Element Summary

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

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

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

Semantic Notes:

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

Comments:

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

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

Data Element Summary

| <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|----------------------------|---------------------|--|---|-----------|
| <u>Attributes</u> MTX02 | 1551 | Message Text To transmit large volumes of message text REMARKS (RE-60a) = Remarks | X | AN 1/4096 |

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

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

Semantic Notes:
Comments:

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

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

Data Element Summary

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

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

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

Semantic Notes:
Comments:

Notes: PER*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.</u> | <u>Element</u> | <u>Name</u> | |
| M | PER01 | 366 | Contact Function Code M ID 2/2 Code identifying the major duty or responsibility of the person or group named AG Agent AL Alternate Contact Person to be contacted when the main contact is not available CN General Contact |
| | PER02 | 93 | Name O AN 1/60 Free-form name INIT (LSR-81) = Initiator Identification IMPCON (LSR-91) = Implementation Contact ALT IMPCON (LSR-94) = Alternate Implementation Contact |
| | PER03 | 365 | Communication Number Qualifier X ID 2/2 Code identifying the type of communication number TE Telephone |
| | PER04 | 364 | Communication Number X AN 1/256 Complete communications number including country or area code when applicable TEL NO (LSR-82) = Telephone Number TEL NO (LSR-92) = Telephone Number TEL NO (LSR-95) = Telephone Number |
| | PER05 | 365 | Communication Number Qualifier X ID 2/2 Code identifying the type of communication number BN Beeper Number FX Facsimile |
| | PER06 | 364 | Communication Number X AN 1/256 Complete communications number including country or area code when applicable FAX NO (LSR-84) = Facsimile Number PAGER (LSR-93) = Pager Number PAGER (LSR-96) = Pager Number |

| | | | | |
|--------------|------------|--|----------|-----------------|
| PER07 | 365 | Communication Number Qualifier Code identifying the type of communication number | X | ID 2/2 |
| | | EM Electronic Mail | | |
| PER08 | 364 | Communication Number Complete communications number including country or area code when applicable | X | AN 1/256 |
| | | EMAIL (LSR-83) = Electronic Mail Address | | |

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

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

Semantic Notes:
Comments:

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

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

Data Element Summary

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

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

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

Semantic Notes:
Comments:

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

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

Data Element Summary

| | Ref. Des. | Data Element | Name | | |
|---|---------------------------|-----------------|--|---|---------|
| M | <u>Attributes</u> N101 | 98 | Entity Identifier Code 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 | M | ID 2/3 |
| | N102 | 93 | Name Free-form name BILLNM (EU-43) = Bill Name | X | AN 1/60 |

Segment: **N2** Additional Name Information

Position: 3200

Loop: N1 Optional

Level: Heading

Usage: Optional

Max Use: 2

Purpose: To specify additional names

Syntax Notes:

Semantic Notes:

Comments:

Notes: N2*SBILLNM (EU-44)

Data Element Summary

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

Segment: **N4 Geographic Location**

Position: 3400

Loop: N1 Optional

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To specify the geographic place of the named party

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

Semantic Notes:

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

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

Data Element Summary

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

Segment: **NX2** Location ID Component

Position: 3450

Loop: N1 Optional

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To define types and values of a geographic location

Syntax Notes:

Semantic Notes:

Comments:

Notes:

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

Data Element Summary

| | <u>Ref.</u> <u>Des.</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | |
|---|-----------------------------------|-------------------------------|--|-----------|
| M | NX201 Attributes | 1106 | Address Component Qualifier Code qualifying the type of address component 01 Street Number 02 Street Name 03 Prefix Direction 07 City Name 32 Floor 35 A particular floor or level of a building Room A walled room or partitioned area of a building 40 Street Suffix 59 Street Number Low 61 Street Number Fraction 62 Street Name Suffix | M ID 2/2 |
| M | NX202 | 166 | Address Information 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) = Service Address Number Suffix SATH (EU-45f) = Service Address Street Type | M AN 1/55 |

Segment: **SI Service Characteristic Identification**

Position: 3650

Loop: N1 Optional

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To specify service characteristic data

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

Semantic Notes:

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

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

Data Element Summary

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

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

Position: 0100
Loop: PO1 Mandatory

Level: Detail

Usage: Mandatory

Max Use: 1

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

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

Semantic Notes:

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

Notes: PO1*n*1*EA***ZZ*EU_SA [PO1 Loop May Repeat]

Data Element Summary

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

Segment: **SI** Service Characteristic Identification

Position: 0180
Loop: PO1 Mandatory
Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

Syntax Notes:

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

Semantic Notes:

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

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

Data Element Summary

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

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

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

Semantic Notes:
Comments:

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

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

Data Element Summary

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

Segment: **N4 Geographic Location**

Position: 3800

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify the geographic place of the named party

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

Semantic Notes:

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

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

Data Element Summary

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

Segment: **NX2** Location ID Component

Position: 3850

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To define types and values of a geographic location

Syntax Notes:

Semantic Notes:

Comments:

Notes:

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

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Element</u> | <u>Name</u> | |
|----------|-------------------|-------------|---|-----------------------|-----------------|
| | <u>Des.</u> | | | | |
| | Attributes | | | | |
| M | NX201 | 1106 | Address Component Qualifier | | M ID 2/2 |
| | | | Code qualifying the type of address component | | |
| | | | LD1 (EU-17) = Location Designator 1 | | |
| | | | 13 = (DWS: APT) | | |
| | | | 14 = (DWS: SUIT) | | |
| | | | 34 = (DWS: LOT) | | |
| | | | 35 = (DWS: RM) | | |
| | | | 36 = (DWS: SLIP) | | |
| | | | 37 = (DWS: UNIT) | | |
| | | | LD2 (EU-19) = Location Designator 2 | | |
| | | | 32 = (DWS: FLR) | | |
| | | | LD3 (EU-21) = Location Designator 3 | | |
| | | | 12 = (DWS: BLDG) | | |
| | | | 30 = (DWS: PIER) | | |
| | | | 63 = (DWS: WNG) | | |
| | | | 01 | Street Number | |
| | | | 02 | Street Name | |
| | | | 03 | Prefix Direction | |
| | | | 05 | P.O. Box Number | |
| | | | 06 | Rural Route Number | |
| | | | 07 | City Name | |
| | | | 39 | Unstructured Property | |
| | | | 40 | Street Suffix | |
| | | | 59 | Street Number Low | |

| | | | | | | |
|----------|--------------|------------|--|------------------------|----------|----------------|
| | | | 61 | Street Number Fraction | | |
| | | | 62 | Street Name Suffix | | |
| M | NX202 | 166 | Address Information | | M | AN 1/55 |
| | | | Address information | | | |
| | | | SANO (EU-11) = Service Address Number | | | |
| | | | SASN (EU-14) = Service Address Street Name | | | |
| | | | SASD (EU-13) = Service Address Street Directional Prefix | | | |
| | | | BOX (EU-23c) = Box Number | | | |
| | | | ROUTE (EU-23b) = Route | | | |
| | | | CITY (EU-24) = City | | | |
| | | | AHN (EU-23a) = Assigned House Number | | | |
| | | | SASS (EU-16) = Service Address Street Directional Suffix | | | |
| | | | SAPR (EU-10) = Service Address Number Prefix | | | |
| | | | SASF (EU-12) = Service Address Number Suffix | | | |
| | | | SATH (EU-15) = Service Address Street Type | | | |
| | | | LV1 (EU-18) = Location Value 1 | | | |
| | | | LV2 (EU-20) = Location Value 2 | | | |
| | | | LV3 (EU-22) = Location Value 3 | | | |

Segment: **SI** Service Characteristic Identification

Position: 4050

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify service characteristic data

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

Semantic Notes:

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

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

Data Element Summary

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

Segment: **PO1** **Baseline Item Data - End User Form (Disconnect Information Section)**

Position: 0100
Loop: PO1 Mandatory

Level: Detail

Usage: Mandatory

Max Use: 1

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

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

Semantic Notes:

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

Notes: PO1*n*1*EA***ZZ*EU_DISC [PO1 Loop May Repeat]

Data Element Summary

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

Segment: **SI** Service Characteristic Identification

Position: 0180
Loop: PO1 Mandatory
Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

Syntax Notes:

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

Semantic Notes:

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

Notes: SI*TI*ND*DISC NBR (EU-55)
 SI*TI*T6*TC OPT (EU-57)

Data Element Summary

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

Segment: **REF** Reference Identification
Position: 1000
Loop: PO1 Mandatory
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:

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

Semantic Notes:

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

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

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|---|------------------|---------------------|---|---|---------|
| M | REF01 | 128 | Reference Identification Qualifier Code qualifying the Reference Identification IX Item Number | M | ID 2/3 |
| | REF02 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier DNUM (EU-54) = Disconnect Line Number | X | AN 1/30 |
| | REF03 | 352 | Description A free-form description to clarify the related data elements and their content "DNUM" | 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.
 - 2 If DTM04 is present, then DTM03 is required.
 - 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

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

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | | |
|----------|--------------|----------------|--|-----------------|
| | <u>Des.</u> | <u>Element</u> | <u>Name</u> | |
| M | DTM01 | 374 | Date/Time Qualifier Code specifying type of date or time, or both date and time 376 Delivery End The date that deliveries will end | M ID 3/3 |
| | DTM02 | 373 | Date Date expressed as CCYYMMDD TC PER (EU-62) = Transfer of Calls Period | X DT 8/8 |

Segment: **SLN** Subline Item Detail

Position: 4700
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: 1

Purpose: To specify product subline detail item data
Syntax Notes: 1 If either SLN04 or SLN05 is present, then the other is required.
 2 If SLN07 is present, then SLN06 is required.
 3 If SLN08 is present, then SLN06 is required.

4 If either SLN09 or SLN10 is present, then the other is required.
 5 If either SLN11 or SLN12 is present, then the other is required.
 6 If either SLN13 or SLN14 is present, then the other is required.
 7 If either SLN15 or SLN16 is present, then the other is required.
 8 If either SLN17 or SLN18 is present, then the other is required.
 9 If either SLN19 or SLN20 is present, then the other is required.
 10 If either SLN21 or SLN22 is present, then the other is required.
 11 If either SLN23 or SLN24 is present, then the other is required.
 12 If either SLN25 or SLN26 is present, then the other is required.
 13 If either SLN27 or SLN28 is present, then the other is required.

Semantic Notes: 1 SLN01 is the identifying number for the subline item.
 2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
 3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
 4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments: 1 See the Data Element Dictionary for a complete list of IDs.
 2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
 3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

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

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|---|------------------|---------------------|--|---|---------|
| M | SLN01 | 350 | Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set "TCPRI" | M | AN 1/20 |
| | SLN02 | 350 | Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set "n" = nth assigned ID within SLN loop | O | AN 1/20 |
| | SLN03 | 662 | Relationship Code Code indicating the relationship between entities A Add | M | ID 1/1 |
| | SLN04 | 380 | Quantity Numeric value of quantity 1 Always One | X | R 1/15 |
| | SLN05 | C001 | Composite Unit of Measure | X | |

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

Semantic Notes:

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

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

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | | |
|----------|-------------|----------------|---|----------|----------------|
| | <u>Des.</u> | <u>Element</u> | | | |
| M | SI01 | 559 | Agency Qualifier Code Code identifying the agency assigning the code values TI Telecommunications Industry | M | ID 2/2 |
| M | SI02 | 1000 | Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics TC Transfer Announcement Number | M | AN 2/2 |
| M | SI03 | 234 | Product/Service ID Identifying number for a product or service TC TO PRI (EU-58) = Transfer of Calls To Primary Number | M | AN 1/48 |

Segment: **N1** Name
Position: 5350
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:

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

Semantic Notes:
Comments:

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

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

Data Element Summary

| | <u>Ref.</u> <u>Des.</u> <u>Attributes</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | | |
|---|---|-------------------------------|--|---|---------|
| M | N101 | 98 | Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual TT Transfer To | M | ID 2/3 |
| | N102 | 93 | Name Free-form name TC NAME (EU-58b) = Transfer of Calls to Name | X | AN 1/60 |

Segment: **REF** Reference Identification

Position: 5800

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: 12

Purpose: To specify identifying information

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

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

Comments:

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

Data Element Summary

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

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.

4 If either SLN09 or SLN10 is present, then the other is required.
 5 If either SLN11 or SLN12 is present, then the other is required.
 6 If either SLN13 or SLN14 is present, then the other is required.
 7 If either SLN15 or SLN16 is present, then the other is required.
 8 If either SLN17 or SLN18 is present, then the other is required.
 9 If either SLN19 or SLN20 is present, then the other is required.
 10 If either SLN21 or SLN22 is present, then the other is required.
 11 If either SLN23 or SLN24 is present, then the other is required.
 12 If either SLN25 or SLN26 is present, then the other is required.
 13 If either SLN27 or SLN28 is present, then the other is required.

Semantic Notes: 1 SLN01 is the identifying number for the subline item.
 2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
 3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
 4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments: 1 See the Data Element Dictionary for a complete list of IDs.
 2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
 3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

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

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|---|------------------|---------------------|---|---|---------|
| M | SLN01 | 350 | Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set | M | AN 1/20 |
| | | | "TCSEC" | | |
| | SLN02 | 350 | Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set | O | AN 1/20 |
| | | | "n" = nth assigned ID within SLN loop | | |
| M | SLN03 | 662 | Relationship Code Code indicating the relationship between entities | M | ID 1/1 |
| | | | A Add | | |
| | SLN04 | 380 | Quantity Numeric value of quantity | X | R 1/15 |
| | | | 1 Always One | | |
| | SLN05 | C001 | Composite Unit of Measure | X | |

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

Semantic Notes:

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

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

Data Element Summary

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

Segment: **N1** Name
Position: 5350
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:

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

Semantic Notes:
Comments:

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

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

Data Element Summary

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

Segment: **REF** Reference Identification

Position: 5800

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: 12

Purpose: To specify identifying information

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

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

Comments:

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

Data Element Summary

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

Segment: PO1 Baseline Item Data - Resale Form (Service Details Section)

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

Max Use: 1

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

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

Semantic Notes:

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

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

Data Element Summary

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

Segment: **SI** Service Characteristic Identification

Position: 0180
Loop: PO1 Mandatory
Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

Syntax Notes:

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

Semantic Notes:

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

Notes:

- SI*TI*SA*LNA (RE-12)
- SI*TI*TN*TNS (RE-15)
- SI*TI*OT*OTN (RE-19)
- SI*TI*TD*PTKCON (RE-24)
- SI*TI*CN*ECCKT (RE-28)
- SI*TI*T6*TC OPT (RE-35)
- SI*TI*BD*PRIBD (RE-20)

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|---|-------------------|---------------------|--|---|---------|
| | Attributes | | | | |
| M | SI01 | 559 | Agency Qualifier Code Code identifying the agency assigning the code values TI Telecommunications Industry | M | ID 2/2 |
| M | SI02 | 1000 | Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics BD Primary B/D Channel Configuration CN Circuit Number Identification Code OT Out Telephone Number SA Service Activity Code T6 Transfer of Calls Option TD Transmission Duplex TN Telephone Number | M | AN 2/2 |
| M | SI03 | 234 | Product/Service ID Identifying number for a product or service LNA (RE-12) = Line Activity CT = (DWS : X - TN change) C = (DWS : C - Change) A = (DWS : N - New) D = (DWS : D - Disconnect) V = (DWS : V - Conversion of Service as Specified) P = (DWS : P - PIC Change) TNS (RE-15) = Telephone Numbers | M | AN 1/48 |

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

| | |
|------------------------|---|
| Segment: | PID Product/Item Description |
| Position: | 0500 |
| Loop: | PID Optional |
| Level: | Detail |
| Usage: | Optional |
| Max Use: | 1 |
| Purpose: | To describe a product or process in coded or free-form format |
| Syntax Notes: | <ol style="list-style-type: none"> 1 If PID04 is present, then PID03 is required. 2 At least one of PID04 or PID05 is required. 3 If PID07 is present, then PID03 is required. 4 If PID08 is present, then PID04 is required. 5 If PID09 is present, then PID05 is required. |
| Semantic Notes: | <ol style="list-style-type: none"> 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: | <ol style="list-style-type: none"> 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: | <div style="background-color: #e0e0e0; padding: 2px;"> PID*S**TI*AG***SO-RSQ*NIDR (RE-47) PID*X**TI*CFA*CFA (RE-57) </div> |

Data Element Summary

| Ref. | Data | Name | | |
|-------------|----------------|-------------|---|------------------|
| <u>Des.</u> | <u>Element</u> | <u>Name</u> | | |
| M | PID01 | 349 | Item Description Type Code indicating the format of a description S Structured (From Industry Code List) X Semi-structured (Code and Text) | M ID 1/1 |
| | PID03 | 559 | Agency Qualifier Code Code identifying the agency assigning the code values TI Telecommunications Industry | X ID 2/2 |
| | PID04 | 751 | Product Description Code A code from an industry code list which provides specific data about a product characteristic AG Network Interface Device Request CFA Connecting Facility Assignment | X AN 1/12 |
| | PID05 | 352 | Description A free-form description to clarify the related data elements and their content CFA (RE-57) = Connecting Facility Assignment | X AN 1/80 |
| | PID07 | 822 | Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier SO-RSQ Service Order - Reseller Questions List | O AN 1/15 |

PID08 **1073** **Yes/No Condition or Response Code** **O** **ID 1/1**
Code indicating a Yes or No condition or response
NIDR (RE-47) = NID Request

Segment: **REF** Reference Identification

Position: 1000

Loop: PO1 Mandatory

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify identifying information

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

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

Comments:

Notes:
 REF*IX*LNUM (RE-9)*LNUM
 REF*GP*TSP (RE-25)
 REF*AE*SAN (RE-26)

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|---|----------------------------|---------------------|---|---|---------|
| M | <u>Attributes</u> 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: 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.
 - 2 If DTM04 is present, then DTM03 is required.
 - 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

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

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | | | |
|---|--------------|----------------|--|---|--------|
| | <u>Des.</u> | <u>Element</u> | <u>Name</u> | | |
| M | <u>DTM01</u> | 374 | Date/Time Qualifier Code specifying type of date or time, or both date and time 376 Delivery End The date that deliveries will end | M | ID 3/3 |
| | <u>DTM02</u> | 373 | Date Date expressed as CCYYMMDD TC PER (RE-40) = Transfer of Calls Period | X | DT 8/8 |

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

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

Semantic Notes:
Comments:

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

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

Data Element Summary

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

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

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

Semantic Notes:
Comments:

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

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

Data Element Summary

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

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.

4 If either SLN09 or SLN10 is present, then the other is required.
 5 If either SLN11 or SLN12 is present, then the other is required.
 6 If either SLN13 or SLN14 is present, then the other is required.
 7 If either SLN15 or SLN16 is present, then the other is required.
 8 If either SLN17 or SLN18 is present, then the other is required.
 9 If either SLN19 or SLN20 is present, then the other is required.
 10 If either SLN21 or SLN22 is present, then the other is required.
 11 If either SLN23 or SLN24 is present, then the other is required.
 12 If either SLN25 or SLN26 is present, then the other is required.
 13 If either SLN27 or SLN28 is present, then the other is required.

Semantic Notes: 1 SLN01 is the identifying number for the subline item.
 2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
 3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
 4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments: 1 See the Data Element Dictionary for a complete list of IDs.
 2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
 3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

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

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|---|------------------|---------------------|--|---|---------|
| M | SLN01 | 350 | Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set "TCPRI" | M | AN 1/20 |
| | SLN02 | 350 | Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set "n" = nth assigned ID within SLN loop | O | AN 1/20 |
| M | SLN03 | 662 | Relationship Code Code indicating the relationship between entities A Add | M | ID 1/1 |
| | SLN04 | 380 | Quantity Numeric value of quantity 1 Always One | X | R 1/15 |
| | SLN05 | C001 | Composite Unit of Measure | X | |

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

Semantic Notes:

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

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

Data Element Summary

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

Segment: **N1** Name
Position: 5350
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:

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

Semantic Notes:
Comments:

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

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

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|---|------------------|---------------------|--|---|---------|
| M | N101 | 98 | Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual | M | ID 2/3 |
| | | | TT Transfer To | | |
| | N102 | 93 | Name Free-form name | X | AN 1/60 |
| | | | TC NAME (RE-38b) = Transfer of Calls to Name | | |

Segment: **REF** Reference Identification

Position: 5800

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: 12

Purpose: To specify identifying information

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

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

Comments:

Notes: REF*55*TCID (RE-38a)*PRI

Data Element Summary

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

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.

4 If either SLN09 or SLN10 is present, then the other is required.
 5 If either SLN11 or SLN12 is present, then the other is required.
 6 If either SLN13 or SLN14 is present, then the other is required.
 7 If either SLN15 or SLN16 is present, then the other is required.
 8 If either SLN17 or SLN18 is present, then the other is required.
 9 If either SLN19 or SLN20 is present, then the other is required.
 10 If either SLN21 or SLN22 is present, then the other is required.
 11 If either SLN23 or SLN24 is present, then the other is required.
 12 If either SLN25 or SLN26 is present, then the other is required.
 13 If either SLN27 or SLN28 is present, then the other is required.

Semantic Notes: 1 SLN01 is the identifying number for the subline item.
 2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
 3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
 4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments: 1 See the Data Element Dictionary for a complete list of IDs.
 2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
 3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

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

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|---|------------------|---------------------|---|---|---------|
| M | SLN01 | 350 | Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set | M | AN 1/20 |
| | | | "TCSEC" | | |
| | SLN02 | 350 | Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set | O | AN 1/20 |
| | | | "n" = nth assigned ID within SLN loop | | |
| M | SLN03 | 662 | Relationship Code Code indicating the relationship between entities | M | ID 1/1 |
| | | | A Add | | |
| | SLN04 | 380 | Quantity Numeric value of quantity | X | R 1/15 |
| | | | 1 Always One | | |
| | SLN05 | C001 | Composite Unit of Measure | X | |

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

Semantic Notes:

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

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

Data Element Summary

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

Segment: **N1** Name
Position: 5350
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:

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

Semantic Notes:
Comments:

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

Notes: N1*TT*TC NAME (RE-42)

Data Element Summary

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

Segment: **REF** Reference Identification

Position: 5800

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: 12

Purpose: To specify identifying information

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

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

Comments:

Notes: REF*55*TCID (RE-41)*SEC

Data Element Summary

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

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.

4 If either SLN09 or SLN10 is present, then the other is required.
 5 If either SLN11 or SLN12 is present, then the other is required.
 6 If either SLN13 or SLN14 is present, then the other is required.
 7 If either SLN15 or SLN16 is present, then the other is required.
 8 If either SLN17 or SLN18 is present, then the other is required.
 9 If either SLN19 or SLN20 is present, then the other is required.
 10 If either SLN21 or SLN22 is present, then the other is required.
 11 If either SLN23 or SLN24 is present, then the other is required.
 12 If either SLN25 or SLN26 is present, then the other is required.
 13 If either SLN27 or SLN28 is present, then the other is required.

Semantic Notes: 1 SLN01 is the identifying number for the subline item.
 2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
 3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
 4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments: 1 See the Data Element Dictionary for a complete list of IDs.
 2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
 3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

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

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|---|------------------|---------------------|--|---|---------|
| M | SLN01 | 350 | Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set "BL" | M | AN 1/20 |
| | SLN02 | 350 | Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set "n" = nth assigned ID within SLN loop | O | AN 1/20 |
| M | SLN03 | 662 | Relationship Code Code indicating the relationship between entities A Add | M | ID 1/1 |
| | SLN04 | 380 | Quantity Numeric value of quantity 1 Always One | X | R 1/15 |
| | SLN05 | C001 | Composite Unit of Measure | X | |

| | | | | |
|----------|---------------|------------|--|-----------------|
| M | C00101 | 355 | <p>To identify a composite unit of measure (See Figures Appendix for examples of use)</p> <p>Unit or Basis for Measurement Code</p> <p>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken</p> <p>EA Each</p> | M ID 2/2 |
|----------|---------------|------------|--|-----------------|

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

Semantic Notes:

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

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

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|---|-------------------|---------------------|---|---|---------|
| | Attributes | | | | |
| M | SI01 | 559 | Agency Qualifier Code Code identifying the agency assigning the code values TI Telecommunications Industry | M | ID 2/2 |
| M | SI02 | 1000 | Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics BB Blocking Activity | M | AN 2/2 |
| M | SI03 | 234 | Product/Service ID Identifying number for a product or service BA (RE-54) = Blocking Activity | M | AN 1/48 |
| | SI04 | 1000 | Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics TB Blocking/Billing Exception | X | AN 2/2 |
| | SI05 | 234 | Product/Service ID Identifying number for a product or service BLOCK (RE-55) = Block | X | AN 1/48 |

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.

4 If either SLN09 or SLN10 is present, then the other is required.
 5 If either SLN11 or SLN12 is present, then the other is required.
 6 If either SLN13 or SLN14 is present, then the other is required.
 7 If either SLN15 or SLN16 is present, then the other is required.
 8 If either SLN17 or SLN18 is present, then the other is required.
 9 If either SLN19 or SLN20 is present, then the other is required.
 10 If either SLN21 or SLN22 is present, then the other is required.
 11 If either SLN23 or SLN24 is present, then the other is required.
 12 If either SLN25 or SLN26 is present, then the other is required.
 13 If either SLN27 or SLN28 is present, then the other is required.

Semantic Notes: 1 SLN01 is the identifying number for the subline item.
 2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
 3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
 4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments: 1 See the Data Element Dictionary for a complete list of IDs.
 2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
 3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

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

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|---|------------------|---------------------|--|---|---------|
| M | SLN01 | 350 | Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set "FA" | M | AN 1/20 |
| | SLN02 | 350 | Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set "n" = nth assigned ID within SLN loop | O | AN 1/20 |
| M | SLN03 | 662 | Relationship Code Code indicating the relationship between entities A Add | M | ID 1/1 |
| | SLN04 | 380 | Quantity Numeric value of quantity 1 Always One | X | R 1/15 |
| | SLN05 | C001 | Composite Unit of Measure | X | |

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

Semantic Notes:

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

Notes: SI*TI*SA*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> | | |
| 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 FD Feature Detail SA Service Activity Code | |
| M | SI03 | 234 | Product/Service ID | M AN 1/48 |
| | | | Identifying number for a product or service FA (RE-58) = Feature Activity A = (DWS : N - Add) CF = (DWS : C - Change (old values)) D = (DWS : D - Disconnect) V = (DWS : V - Conversion As Specified) CT = (DWS : T - Change (new values)) | |
| | SI04 | 1000 | Service Characteristics Qualifier | X AN 2/2 |
| | | | FEATURE DETAIL (RE-60) = Feature Detail Code from an industry code list qualifying the type of service characteristics SC Service Category Code | |
| | SI05 | 234 | Product/Service ID | X AN 1/48 |
| | | | Identifying number for a product or service FEATURE (RE-59) = Feature Codes | |

Segment: **PO1** **Baseline Item Data - DL Form (Delivery Address/Information Section)**

Position: 0100
Loop: PO1 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1

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

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

Semantic Notes:
Comments:

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

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

Data Element Summary

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

Segment: **SI** Service Characteristic Identification

Position: 0180

Loop: PO1 Mandatory

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify service characteristic data

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

Semantic Notes:

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

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

Data Element Summary

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

Segment: **QTY** Quantity
Position: 2930
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes:
 1 At least one of QTY02 or QTY04 is required.
 2 Only one of QTY02 or QTY04 may be present.
Semantic Notes:
 1 QTY04 is used when the quantity is non-numeric.
Comments:
Notes: QTY*31*DIRQTYA (DL-103)*DY
 QTY*38*DIRQTYNC (DL-104)*DY

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|---|----------------------------|---------------------|--|---|--------|
| M | <u>Attributes</u> QTY01 | 673 | Quantity Qualifier Code specifying the type of quantity 31 Additional Demand Quantity 38 Original Quantity | M | ID 2/2 |
| | QTY02 | 380 | Quantity Numeric value of quantity DIRQTYA (DL-103) = Number of Directories for Annual Delivery DIRQTYNC (DL-104) = Number of Directories Delivered on New Connect | X | R 1/15 |
| | QTY03 | C001 | Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use) | O | |
| M | C00101 | 355 | Unit or Basis for Measurement Code 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 | M | ID 2/2 |

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

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

Semantic Notes:
Comments:

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

Notes: N1*DA*DELNAME

Data Element Summary

| | <u>Ref.</u> <u>Des.</u> <u>Attributes</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | | |
|---|---|-------------------------------|--|---|---------|
| M | N101 | 98 | Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual | M | ID 2/3 |
| | | | DA Delivery Address | | |
| | N102 | 93 | Name Free-form name "DELNAME" | X | AN 1/60 |

Segment: **N4 Geographic Location**

Position: 3800

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify the geographic place of the named party

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

Semantic Notes:

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

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

Data Element Summary

| <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|------------------|---------------------|--|----------|----------------|
| N402 | 156 | State or Province Code | X | ID 2/2 |
| | | Code (Standard State/Province) as defined by appropriate government agency | | |
| | | STATE (DL-99) = State/Province | | |
| N403 | 116 | Postal Code | O | ID 3/15 |
| | | Code defining international postal zone code excluding punctuation and blanks (zip code for United States) | | |
| | | ZIP (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:

Notes:

NX2*01*DDANO (DL-85)

NX2*02*DDASN (DL-88)

NX2*03*DDASD (DL-87)

NX2*07*CITY (DL-98)

NX2*18*DDALO (DL-90a)

NX2*40*DDASS (DL-90)

NX2*59*DDAPR (DL-84)

NX2*61*DDASF (DL-86)

NX2*62*DDATH (DL-89)

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | |
|----------|--------------|----------------|--|------------------|
| | <u>Des.</u> | <u>Element</u> | | |
| M | NX201 | 1106 | Address Component Qualifier | M ID 2/2 |
| | | | Code qualifying the type of address component | |
| | | | 01 Street Number | |
| | | | 02 Street Name | |
| | | | 03 Prefix Direction | |
| | | | 07 City Name | |
| | | | 18 Unstructured Mailing Address | |
| | | | 40 Street Suffix | |
| | | | 59 Street Number Low | |
| | | | 61 Street Number Fraction | |
| | | | 62 Street Name Suffix | |
| M | NX202 | 166 | Address Information | M AN 1/55 |
| | | | Address information | |
| | | | DDANO (DL-85) = Delivery Address Number | |
| | | | DDASN (DL-88) = Delivery Address Street Name | |
| | | | DDASD (DL-87) = Delivery Address Street Directional Prefix | |
| | | | CITY (DL-98) = City | |
| | | | DDALO (DL-90a) = Delivery Address Location | |
| | | | DDASS (DL-90) = Delivery Address Street Directional Suffix | |
| | | | DDAPR (DL-84) = Delivery Address Number Prefix | |
| | | | DDASF (DL-86) = Delivery Address Number Suffix | |
| | | | DDATH (DL-89) = Delivery Address Street Type | |

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

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

Max Use: 1

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

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

Semantic Notes:

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

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

Data Element Summary

| <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|-------------------|---------------------|--|---|---------|
| Attributes | | | | |
| PO101 | 350 | Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set "n" = nth assigned ID within PO1 loop | O | AN 1/20 |
| PO102 | 330 | Quantity Ordered Quantity ordered 1 Always One | X | R 1/15 |
| PO103 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken EA Each | O | ID 2/2 |
| PO106 | 235 | Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) ZZ Mutually Defined | X | ID 2/2 |
| PO107 | 234 | Product/Service ID Identifying number for a product or service "DL" | X | AN 1/48 |
| PO108 | 235 | Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) SH Service Requested A numeric or alphanumeric code from a list of services available to the customer | X | ID 2/2 |

| | | | | |
|--------------|------------|---|----------|----------------|
| PO109 | 234 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |
| | | RTY (DL-12) = Record Type | | |

Segment: **SI** Service Characteristic Identification

Position: 0180
Loop: PO1 Mandatory
Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

Syntax Notes:

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

Semantic Notes:

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

Notes:

- SI*TI*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

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|----------|------------------|---------------------|--|----------|----------------|
| M | SI01 | 559 | Agency Qualifier Code | M | ID 2/2 |
| | | | Code identifying the agency assigning the code values | | |
| | | | TI Telecommunications Industry | | |
| M | SI02 | 1000 | Service Characteristics Qualifier | M | AN 2/2 |
| | | | Code from an industry code list qualifying the type of service characteristics | | |
| | | | BO Business/Residence Placement Override | | |
| | | | BR Directory Listing Type of Account | | |
| | | | DG Degree of Indent | | |
| | | | DN Directory Book Name | | |
| | | | LB Listing Activity Indicator (LACT) | | |
| | | | LE Listing Type | | |
| | | | TW Style Code | | |
| M | SI03 | 234 | Product/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: 1

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

Syntax Notes:

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

Semantic Notes:

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

Comments:

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

Notes:

PID*S**TI*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

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

| | | | |
|--------------|------------|---|------------------|
| PID07 | 822 | BA Professional Identifier Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier | O AN 1/15 |
|--------------|------------|---|------------------|

| | | | |
|--------------|-------------|---|-----------------|
| PID08 | 1073 | SO-RSQ Service Order - Reseller Questions List Yes/No Condition or Response Code Code indicating a Yes or No condition or response | O ID 1/1 |
|--------------|-------------|---|-----------------|

OMTN (DL-41) = Omit TN
 Y = (DWS : O - Omit)
 Blank = (DWS : Blank - Do Not Omit)

LNPL (DL-44) = Letter Name Placement
 Y = (DWS : L - Letter Placement)
 Blank = (DWS : Blank - Default to Word Placement)

ADI (DL-61) = Address Indicator
 Y = (DWS : O - Omit in DA and Directory)
 Blank = (DWS : Blank - Do Not Omit)

DML (DL-25) = Direct Mail List
 Y = (DWS : O - Omit)
 Blank = (DWS : Blank - Do Not Omit)

TMKT (DL-27) = Telemarketing
 Y = (DWS : O - Omit from Telemarketing)
 Blank = (DWS : Blank - Do Not Omit)

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

Segment: **REF** Reference Identification

Position: 1000

Loop: PO1 Mandatory

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify identifying information

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

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

Comments:

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

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|---|------------------|---------------------|---|---|---------|
| M | REF01 | 128 | Reference Identification Qualifier Code qualifying the Reference Identification LI Line Item Identifier (Seller's) | M | ID 2/3 |
| | REF02 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ALI (DL-11) = Alpha/Numeric Listing Identifier Code | X | AN 1/30 |

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

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|---|------------------|---------------------|--|---|---------|
| M | N901 | 128 | Reference Identification Qualifier 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 | M | ID 2/3 |
| | N902 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier "PLA" | X | AN 1/30 |

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

Semantic Notes:

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

Comments:

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

Notes: MTX**PLA (DL-55)

Data Element Summary

| Ref. Des. | Data Element | Name | X | AN 1/4096 |
|----------------------------|-----------------|--|---|-----------|
| <u>Attributes</u> MTX02 | 1551 | Message Text To transmit large volumes of message text PLA (DL-55) = Place Listing As | X | AN 1/4096 |

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 Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|---|------------------|---------------------|--|---|---------|
| M | N901 | 128 | Reference Identification Qualifier 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 | M | ID 2/3 |
| | N902 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier "LTXTY" | X | AN 1/30 |
| | N903 | 369 | Free-form Description Free-form descriptive text LTXTY (DL-57) = Listing Text Type | X | AN 1/45 |

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

Semantic Notes:

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

Comments:

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

Notes: MTX**LTEXT (DL-59)

Data Element Summary

| <u>Ref.</u> <u>Des.</u> <u>Attributes</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | | |
|---|-------------------------------|--|---|-----------|
| MTX02 | 1551 | Message Text To transmit large volumes of message text LTEXT (DL-59) = Line of Text | X | AN 1/4096 |

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

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

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.

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 (DL-113)

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Element</u> | <u>Name</u> | | |
|-------------------|-------------|---|-------------|---|-----------|
| <u>Attributes</u> | | | | | |
| MTX02 | 1551 | Message Text | | X | AN 1/4096 |
| | | To transmit large volumes of message text | | | |
| | | REMARKS (DL-113) = Remarks | | | |

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

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

Semantic Notes:
Comments:

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

Notes: N1*DH*LISTINGS

Data Element Summary

| | <u>Ref.</u> <u>Des.</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | | |
|---|----------------------------|-------------------------------|--|---|---------|
| M | N101 | 98 | Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual DH Doing Business As | M | ID 2/3 |
| | N102 | 93 | Name Free-form name "LISTINGS" | X | AN 1/60 |

Segment: IN2 Individual Name Structure Components

Position: 3650

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To sequence individual name components for maximum specificity

Syntax Notes:

Semantic Notes:

Comments:

Notes:

IN2*05*LNLN (DL-45)
 IN2*02*LNFN (DL-46)*LNFN (DL-46)
 IN2*21*DES (DL-47)
 IN2*10*TL (DL-48)*TL
 IN2*01*TITLE1 (DL-49)*TITLE1
 IN2*18*NICK (DL-54)
 IN2*12*DESD (DL-50a)*DESD
 IN2*10*TLD (DL-51)*TLD
 IN2*01*TITLE1D (DL-52)*TITLE1D

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|---|------------------|---------------------|---|---|---------|
| M | IN201 | 1104 | Name Component Qualifier Code identifying the type of name component 01 Prefix 02 First Name 05 Last Name 10 Generation 12 Combined (Unstructured) Name 18 Preferred First Name or Nickname 21 Professional Title | M | ID 2/2 |
| M | IN202 | 93 | Name Free-form name LNLN (DL-45) = Listed Name Last LNFN (DL-46) = Listed Name First DES (DL-47) = Designation TL (DL-48) = Title of Lineage TITLE1 (DL-49) = Title of Address 1 NICK (DL-54) = Nickname 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 | M | AN 1/60 |
| | IN203 | 93 | Name Free-form name LNFN (DL-46) = Listed Name First "TL" "TITLE1" "DESD" "TLD" "TITLE1D" | O | AN 1/60 |

Segment: **N4 Geographic Location**

Position: 3800

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify the geographic place of the named party

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

Semantic Notes:

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

Notes: N4**LAST (DL-71)

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <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 government agency | | |
| | | | LAST (DL-71) = Listed Address State/Province | | |

Segment: **NX2** Location ID Component

Position: 3850

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To define types and values of a geographic location

Syntax Notes:

Semantic Notes:

Comments:

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

| | <u>Ref.</u> | <u>Data</u> | <u>Element</u> | <u>Name</u> | |
|---|----------------------|-------------------|----------------|--|-----------|
| M | <u>Des.</u> NX201 | <u>Attributes</u> | 1106 | Address Component Qualifier 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 ID 2/2 |
| M | 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 | M AN 1/55 |

Segment: **SI** Service Characteristic Identification

Position: 4050

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify service characteristic data

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

Semantic Notes:

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

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

Data Element Summary

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

Segment: **PO1** **Baseline Item Data - DUMMY**

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

Max Use: 1

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

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

Semantic Notes:

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

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

Data Element Summary

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

Segment: **CTT** Transaction Totals

Position: 0100

Loop: CTT Optional

Level: Summary

Usage: Optional

Max Use: 1

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

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

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

Semantic Notes:

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

Notes: CTT*Number of PO1 Segments

Data Element Summary

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

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

Syntax Notes:

Semantic Notes:

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

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

Data Element Summary

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

53.6.2 860 UNE-P PRI ISDN Trunks Supplemental Service Request (UPIT860)

Functional Group ID=**PC**

Introduction:

The 860UPIT service request will be used by the Co-Provider to initiate a supplemental service request for UPIT to Qwest.

This implementation guideline references the following:

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

Notes:

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

Heading:

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

| Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Notes and RepeatComments |
|--------------|---------|---------------------------------------|-----------|---------|-------------------------------|
| LOOP ID - N1 | | | | | 200 |
| 3000 | N1 | Name | O | 1 | |
| 3100 | N2 | Additional Name Information | O | 2 | |
| 3300 | N4 | Geographic Location | O | >1 | |
| 3350 | NX2 | Location ID Component | O | >1 | |
| 3550 | SI | Service Characteristic Identification | O | >1 | |

Detail:

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

| | | | | | |
|------|-----|---|---|----|---------------|
| 3400 | N1 | Name | O | 1 | |
| | | | | | LOOP ID - N1 |
| | | | | | 200 |
| 3400 | N1 | Name | O | 1 | |
| | | | | | LOOP ID - SLN |
| | | | | | >1 |
| 4600 | SLN | Subline Item Detail | O | 1 | |
| 4700 | SI | Service Characteristic Identification | O | >1 | |
| | | | | | LOOP ID - N1 |
| | | | | | 10 |
| 5360 | N1 | Name | O | 1 | |
| 5700 | REF | Reference Identification | O | 12 | |
| | | | | | LOOP ID - SLN |
| | | | | | >1 |
| 4600 | SLN | Subline Item Detail | O | 1 | |
| 4700 | SI | Service Characteristic Identification | O | >1 | |
| | | | | | LOOP ID - N1 |
| | | | | | 10 |
| 5360 | N1 | Name | O | 1 | |
| 5700 | REF | Reference Identification | O | 12 | |
| | | | | | LOOP ID - SLN |
| | | | | | >1 |
| 4600 | SLN | Subline Item Detail | O | 1 | |
| 4700 | SI | Service Characteristic Identification | O | >1 | |
| | | | | | LOOP ID - SLN |
| | | | | | >1 |
| 4600 | SLN | Subline Item Detail | O | 1 | |
| 4700 | SI | Service Characteristic Identification | O | >1 | |
| | | | | | LOOP ID - POC |
| | | | | | >1 |
| 0100 | POC | Line Item Change - DL Form (Delivery Address/Information Section) | O | 1 | |
| 0180 | SI | Service Characteristic Identification | O | >1 | |
| | | | | | LOOP ID - QTY |
| | | | | | >1 |
| 2930 | QTY | Quantity | O | 1 | |
| | | | | | LOOP ID - N1 |
| | | | | | 200 |
| 3400 | N1 | Name | O | 1 | |
| 3700 | N4 | Geographic Location | O | 1 | |
| 3750 | NX2 | Location ID Component | O | >1 | |
| | | | | | LOOP ID - POC |
| | | | | | >1 |
| 0100 | POC | Line Item Change - DL Form (Service Details Section) | O | 1 | |
| 0180 | SI | Service Characteristic Identification | O | >1 | |
| | | | | | LOOP ID - PID |
| | | | | | 1000 |
| 0500 | PID | Product/Item Description | O | 1 | |
| 1000 | REF | Reference Identification | O | >1 | |
| | | | | | LOOP ID - N9 |
| | | | | | 1000 |
| 3200 | N9 | Reference Identification | O | 1 | |
| 3260 | MTX | Text | O | >1 | |
| | | | | | LOOP ID - N9 |
| | | | | | 1000 |
| 3200 | N9 | Reference Identification | O | 1 | |
| 3260 | MTX | Text | O | >1 | |

| | | LOOP ID - N9 | 1000 | |
|------|-----|---------------------------------------|------|----|
| 3200 | N9 | Reference Identification | O | 1 |
| 3260 | MTX | Text | O | >1 |
| | | LOOP ID - N1 | 200 | |
| 3400 | N1 | Name | O | 1 |
| 3550 | IN2 | Individual Name Structure Components | O | >1 |
| 3700 | N4 | Geographic Location | O | 1 |
| 3750 | NX2 | Location ID Component | O | >1 |
| 3950 | SI | Service Characteristic Identification | O | >1 |

Summary:

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

Transaction Set Notes

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

Segment: **ST** Transaction Set Header

Position: 0100

Loop:

Level: Heading

Usage: Mandatory

Max Use: 1

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

Syntax Notes:

Semantic Notes:

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

Comments:

Notes: ST*860*TRAN SET CONTROL #

Data Element Summary

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

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

Position: 0200

Loop:

Level: Heading

Usage: Mandatory

Max Use: 1

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

Syntax Notes:

Semantic Notes:

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

Comments:

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

Data Element Summary

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

Segment: **REF** Reference Identification

Position: 0500

Loop:

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To specify identifying information

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

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

Comments:

Notes:

```
REF*11*AN (LSR-7)*AN
REF*JB*PROJECT (LSR-20)
REF*SU*RTR (LSR-28)*RTR
REF*CO*RPON (LSR-51)*RPON
REF*1V*RORD (LSR-52)*RORD
REF*12*BAN1 (LSR-61)*BAN1
REF*OW*ORD (RE-6)*ORD
REF*AO*APT CON (LSR-15a)
```

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|---|------------------|---------------------|---|---|---------|
| M | REF01 | 128 | Reference Identification Qualifier | M | ID 2/3 |
| | | | Code qualifying the Reference Identification | | |
| | | | 11 Account Number | | |
| | | | Number identifies a telecommunications industry account | | |
| | | | 12 Billing Account | | |
| | | | Account number under which billing is rendered | | |
| | | | 1V Related Vendor Order Number | | |
| | | | A vendor's order number that is in addition to a primary order number | | |
| | | | AO Appointment Number | | |
| | | | CO Customer Order Number | | |
| | | | JB Job (Project) Number | | |
| | | | OW Service Order Number | | |
| | | | Number assigned when a customer orders service and equipment and which appears on bill | | |
| | | | SU Special Processing Code | | |
| | | | Unique code identifying the special handling requirements for the claim | | |
| | REF02 | 127 | Reference 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 | | |
| | | | PROJECT (LSR-20) = Project Identification | | |
| | | | RTR (LSR-28) = Response Type Requested | | |
| | | | RPON (LSR-51) = Related Purchase Order Number | | |
| | | | RORD (LSR-52) = Related Order Number | | |

REF03

352

BAN1 (LSR-61) = Billing Account Number 1
ORD (RE-6) = Order Number
APT CON (LSR-15a) = Appointment Confirmation

Description

X AN 1/80

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

"AN"

"RTR"

"RPON"

"RORD"

"BAN1"

"ORD"

Segment: **PAM** Period Amount
Position: 0950
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To indicate a quantity, and/or amount for an identified period
Syntax Notes:

- 1 If any of PAM01 PAM02 or PAM03 is present, then all are required.
- 2 At least one of PAM02 PAM05 or PAM14 is required.
- 3 If either PAM04 or PAM05 is present, then the other is required.
- 4 If either PAM06 or PAM07 is present, then the other is required.
- 5 If PAM07 is present, then at least one of PAM08 or PAM09 is required.
- 6 If PAM07 is present, then PAM06 is required.
- 7 If PAM08 is present, then PAM07 is required.
- 8 If PAM09 is present, then PAM07 is required.
- 9 If PAM10 is present, then at least one of PAM11 or PAM12 is required.
- 10 If PAM11 is present, then PAM10 is required.
- 11 If either PAM13 or PAM14 is present, then the other is required.

Semantic Notes:

- 1 PAM10, PAM11, or PAM12 are used when two dates are required.
- 2 PAM15 indicates whether the monetary amount identified in PAM05 is a net or gross value. A "Y" indicates amount is a gross value; an "N" indicates amount is a net value.

Comments:

Notes:
PAM*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

| <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|-------------------|---------------------|---|--|-----------------|
| Attributes | | | | |
| PAM01 | 673 | Quantity Qualifier | | X ID 2/2 |
| | | Code specifying the type of quantity | | |
| | | 47 Primary Net Quantity | | |
| | | 48 Secondary Net Quantity | | |
| | | BH Book Order Quantity | | |
| | | KC Net Quantity Decrease | | |
| | | The resultant quantity represents a net decrease to a previously transmitted quantity, after adjustments have been made | | |
| | | QO Operating Quantity | | |
| PAM02 | 380 | Quantity | | X R 1/15 |
| | | Numeric value of quantity | | |
| | | First 2 bytes of PG_of_ (LSR-10) | | |
| | | Second 2 bytes of PG_of_ (LSR-10) | | |
| | | DQTY (EU-5) = Disconnect Quantity | | |
| | | RSQTY (RE-5) = Resale Quantity | | |
| | | DDQTY (DL-23) = Number of Delivery Segments | | |
| PAM03 | C001 | Composite Unit of Measure | | X |

Segment: **SAC** Service, Promotion, Allowance, or Charge Information
Position: 1200
Loop: SAC Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

- Syntax Notes:**
- 1 At least one of SAC02 or SAC03 is required.
 - 2 If either SAC03 or SAC04 is present, then the other is required.
 - 3 If either SAC06 or SAC07 is present, then the other is required.
 - 4 If either SAC09 or SAC10 is present, then the other is required.
 - 5 If SAC11 is present, then SAC10 is required.
 - 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
 - 7 If SAC14 is present, then SAC13 is required.
 - 8 If SAC16 is present, then SAC15 is required.

- Semantic Notes:**
- 1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
 - 2 SAC05 is the total amount for the service, promotion, allowance, or charge.
If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
 - 3 SAC08 is the allowance or charge rate per unit.
 - 4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
 - 5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
 - 6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
 - 7 SAC16 is used to identify the language being used in SAC15.

- Comments:**
- 1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction with SAC03 to further define SAC02.
 - 2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Notes: SAC*N**TI*EXP [If this segment appears then EXP (LSR-26) = "Y"]
SAC*N**TI*VT*****VTA (LSR-80)

Data Element Summary

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

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

Segment: **DTM** Date/Time Reference

Position: 1500

Loop:

Level: Heading

Usage: Optional

Max Use: 10

Purpose: To specify pertinent dates and times

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

Semantic Notes:

Comments:

Notes: DTM*150*DDD{CCYYMMDD} (LSR-14)***TM/RTM*APPTIME
{HHMM[-HHMM]} (LSR-15)

DTM*097*D/TSENT{CCYYMMDD} (LSR-12)*D/TSENT{HHMM} (LSR-12)
DTM*270*DATED{CCYYMMDD} (LSR-36)

Data Element Summary

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

expression of minutes within an hour
DTM06 **1251** **Date Time Period** **X** **AN 1/35**
Expression of a date, a time, or range of dates, times or dates and
times
APPTIME{HHMM[-HHMM]} (LSR-15) = Appointment Time

Segment: **SI** Service Characteristic Identification

Position: 1850

Loop:

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To specify service characteristic data

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

Semantic Notes:

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

Notes:

SI*TI*RE*REQTYP (LSR-23)
 SI*TI*AA*ACT (LSR-24)
 SI*TI*TY*TOS (LSR-44)
 SI*TI*SS*SPEC (LSR-45)

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|---|-------------------|---------------------|--|---|---------|
| | Attributes | | | | |
| M | SI01 | 559 | Agency Qualifier Code | M | ID 2/2 |
| | | | Code identifying the agency assigning the code values | | |
| | | | TI Telecommunications Industry | | |
| M | SI02 | 1000 | Service Characteristics Qualifier | M | AN 2/2 |
| | | | Code from an industry code list qualifying the type of service characteristics | | |
| | | | AA Account Activity Code | | |
| | | | RE Requisition Type and Status | | |
| | | | SS Service Sub-catagory Code | | |
| | | | TY Type of Service | | |
| M | SI03 | 234 | Product/Service ID | M | AN 1/48 |
| | | | Identifying number for a product or service | | |
| | | | ACT (LSR-24) = Activity | | |
| | | | A = (DWS : N - New Installation) | | |
| | | | D = (DWS : D - Disconnect of Entire Account) | | |
| | | | C = (DWS : C - Change) | | |
| | | | V = (DWS : V - Conversion as Specified) | | |
| | | | W = (DWS : W - Conversion As Is) | | |
| | | | T = (DWS : T - Outside Move (T/F)) | | |
| | | | Z = (DWS : Z - Conversion as specified/no listing) | | |
| | | | REQTYP (LSR-23) = Requisition Type and Status | | |
| | | | TOS (LSR-44) = Type of Service | | |
| | | | SPEC (LSR-45) = Service and Product Enhancement Code | | |

Segment: **PID** Product/Item Description

Position: 1900

Loop:

Level: Heading

Usage: Optional

Max Use: 200

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

Syntax Notes:

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

Semantic Notes:

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

Comments:

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

Notes:

PID*S**TI*AO***SO-RSQ*AGAUTH (LSR-35)
 PID*S**TI*BI***SO-RSQ*FBI (EU-42)
 PID*S**TI*PENDING***SO-RSQ*PENDING ORDER (LSR-108b)

Data Element Summary

| Ref. | Data | | | |
|-------------|----------------|-------------|---|------------------|
| <u>Des.</u> | <u>Element</u> | <u>Name</u> | | |
| M | PID01 | 349 | Item Description Type | M ID 1/1 |
| | | | Code indicating the format of a description | |
| | | | S Structured (From Industry Code List) | |
| | PID03 | 559 | Agency Qualifier Code | X ID 2/2 |
| | | | Code identifying the agency assigning the code values | |
| | | | TI Telecommunications Industry | |
| | PID04 | 751 | Product Description Code | X AN 1/12 |
| | | | A code from an industry code list which provides specific data about a product characteristic | |
| | | | AO Agency Authorization Status | |
| | | | BI Final Bill Information Indicator | |
| | | | PENDING Pending Order | |
| | PID07 | 822 | Source Subqualifier | O AN 1/15 |
| | | | A reference that indicates the table or text maintained by the Source Qualifier | |
| | | | SO-RSQ Service Order - Reseller Questions List | |

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

Code indicating a Yes or No condition or response

FBI (EU-42) = Final Bill Information Indicator

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

Y = (DWS : D - Different)

AGAUTH (LSR-35) = Agency Authorization Status

PENDING ORDER (LSR-108b) = Pending Order

Segment: **N9 Reference Identification**

Position: 2850

Loop: N9 Optional

Level: Heading

Usage: Optional

Max Use: 1

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

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

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

Comments:

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

Data Element Summary

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

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

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

Semantic Notes:

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

Comments:

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

Notes: MTX**REMARKS (LSR-108)

Data Element Summary

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

Segment: **N9 Reference Identification**

Position: 2850

Loop: N9 Optional

Level: Heading

Usage: Optional

Max Use: 1

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

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

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

Comments:

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

Data Element Summary

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

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

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

Semantic Notes:

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

Comments:

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

Notes: MTX**REMARKS (EU-63)

Data Element Summary

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

Segment: **N9 Reference Identification**

Position: 2850

Loop: N9 Optional

Level: Heading

Usage: Optional

Max Use: 1

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

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

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

Comments:

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

Data Element Summary

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

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

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

Semantic Notes:

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

Comments:

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

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

Data Element Summary

| <u>Ref.</u> <u>Des.</u> <u>Attributes</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | | |
|---|-------------------------------|---|---|-----------|
| MTX02 | 1551 | Message Text | X | AN 1/4096 |
| | | To transmit large volumes of message text | | |
| | | REMARKS (RE-60a) = Remarks | | |

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

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

Semantic Notes:
Comments:

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

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

Data Element Summary

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

Segment: **PER Administrative Communications Contact**

Position: 3500

Loop: N1 Optional

Level: Heading

Usage: Optional

Max Use: >1

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

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

Semantic Notes:

Comments:

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

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

Data Element Summary

| Ref. | Data | | |
|-------------|----------------|-------------|--|
| <u>Des.</u> | <u>Element</u> | <u>Name</u> | |
| M | PER01 | 366 | Contact Function Code M ID 2/2 |
| | | | Code identifying the major duty or responsibility of the person or group named |
| | | AG | Agent |
| | | AL | Alternate Contact |
| | | | Person to be contacted when the main contact is not available |
| | | CN | General Contact |
| | PER02 | 93 | Name O AN 1/60 |
| | | | Free-form name |
| | | | INIT (LSR-81) = Initiator Identification |
| | | | IMPCON (LSR-91) = Implementation Contact |
| | | | ALT IMPCON (LSR-94) = Alternate Implementation Contact |
| | PER03 | 365 | Communication Number Qualifier X ID 2/2 |
| | | | Code identifying the type of communication number |
| | | TE | Telephone |
| | PER04 | 364 | Communication Number X AN 1/256 |
| | | | Complete communications number including country or area code when applicable |
| | | | TEL NO (LSR-82) = Telephone Number |
| | | | TEL NO (LSR-92) = Telephone Number |
| | | | TEL NO (LSR-95) = Telephone Number |
| | PER05 | 365 | Communication Number Qualifier X ID 2/2 |
| | | | Code identifying the type of communication number |
| | | BN | Beeper Number |
| | | FX | Facsimile |
| | PER06 | 364 | Communication Number X AN 1/256 |
| | | | Complete communications number including country or area code when applicable |

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

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

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

Semantic Notes:
Comments:

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

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

Data Element Summary

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

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

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

Semantic Notes:
Comments:

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

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

Data Element Summary

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

Segment: **N2** Additional Name Information

Position: 3100

Loop: N1 Optional

Level: Heading

Usage: Optional

Max Use: 2

Purpose: To specify additional names

Syntax Notes:

Semantic Notes:

Comments:

Notes: N2*SBILLNM (EU-44)

Data Element Summary

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

Segment: **N4 Geographic Location**

Position: 3300

Loop: N1 Optional

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To specify the geographic place of the named party

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

Semantic Notes:

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

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

Data Element Summary

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

Segment: **NX2** Location ID Component

Position: 3350

Loop: N1 Optional

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To define types and values of a geographic location

Syntax Notes:

Semantic Notes:

Comments:

Notes:

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

Data Element Summary

| | <u>Ref.</u> <u>Des.</u> <u>Attributes</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | |
|---|---|-------------------------------|---|-----------|
| M | NX201 | 1106 | Address Component Qualifier Code qualifying the type of address component | M ID 2/2 |
| | | | 01 Street Number | |
| | | | 02 Street Name | |
| | | | 03 Prefix Direction | |
| | | | 07 City Name | |
| | | | 32 Floor A particular floor or level of a building | |
| | | | 35 Room A walled room or partitioned area of a building | |
| | | | 40 Street Suffix | |
| | | | 59 Street Number Low | |
| | | | 61 Street Number Fraction | |
| | | | 62 Street Name Suffix | |
| M | NX202 | 166 | Address Information Address information | M AN 1/55 |
| | | | 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) = Service Address Number Suffix | |
| | | | SATH (EU-45f) = Service Address Street Type | |

Segment: **SI** Service Characteristic Identification

Position: 3550

Loop: N1 Optional

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To specify service characteristic data

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

Semantic Notes:

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

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

Data Element Summary

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

Segment: **POC** Line Item Change - End User Form (Location and Access Section)

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

Purpose: To specify changes to a line item

Syntax Notes:

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

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

Comments:

Notes: POC*n*RZ*****ZZ*EU_SA [POC Loop May Repeat]

Data Element Summary

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

Segment: **SI Service Characteristic Identification**

Position: 0180
Loop: POC Optional
Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

Syntax Notes:

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

Semantic Notes:

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

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

Data Element Summary

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

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

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

Semantic Notes:
Comments:

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

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

Data Element Summary

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

Segment: **N4 Geographic Location**

Position: 3700

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify the geographic place of the named party

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

Semantic Notes:

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

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

Data Element Summary

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

Segment: **NX2** Location ID Component

Position: 3750

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To define types and values of a geographic location

Syntax Notes:

Semantic Notes:

Comments:

Notes:

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

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Element</u> | <u>Name</u> | |
|---|-------------------|-------------|------------------------------------|---|-----------------|
| M | <u>Des.</u> | | | | |
| | Attributes | | | | |
| | NX201 | 1106 | Address Component Qualifier | | M ID 2/2 |
| | | | | Code qualifying the type of address component | |
| | | | | LD1 (EU-17) = Location Designator 1 | |
| | | | | 13 = (DWS: APT) | |
| | | | | 14 = (DWS: SUIT) | |
| | | | | 34 = (DWS: LOT) | |
| | | | | 35 = (DWS: RM) | |
| | | | | 36 = (DWS: SLIP) | |
| | | | | 37 = (DWS: UNIT) | |
| | | | | LD2 (EU-19) = Location Designator 2 | |
| | | | | 32 = (DWS: FLR) | |
| | | | | LD3 (EU-21) = Location Designator 3 | |
| | | | | 12 = (DWS: BLDG) | |
| | | | | 30 = (DWS: PIER) | |
| | | | | 63 = (DWS: WNG) | |
| | | | | 01 Street Number | |
| | | | | 02 Street Name | |
| | | | | 03 Prefix Direction | |
| | | | | 05 P.O. Box Number | |
| | | | | 06 Rural Route Number | |
| | | | | 07 City Name | |
| | | | | 39 Unstructured Property | |

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

M

NX202

166

Address Information

M AN 1/55

Address information

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

Segment: **SI** Service Characteristic Identification

Position: 3950

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify service characteristic data

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

Semantic Notes:

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

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

Data Element Summary

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

Segment: **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.
 3 If either POC08 or POC09 is present, then the other is required.
 4 If either POC10 or POC11 is present, then the other is required.
 5 If either POC12 or POC13 is present, then the other is required.
 6 If either POC14 or POC15 is present, then the other is required.
 7 If either POC16 or POC17 is present, then the other is required.
 8 If either POC18 or POC19 is present, then the other is required.
 9 If either POC20 or POC21 is present, then the other is required.
 10 If either POC22 or POC23 is present, then the other is required.
 11 If either POC24 or POC25 is present, then the other is required.
 12 If either POC26 or POC27 is present, then the other is required.
Semantic Notes:
 1 POC01 is the purchase order line item identification.

Comments:

Notes: POC*n*RZ*****ZZ*EU_DISC [POC Loop May Repeat]

Data Element Summary

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

Segment: **SI** Service Characteristic Identification

Position: 0180
Loop: POC Optional
Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

Syntax Notes:

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

Semantic Notes:

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

Notes: SI*TI*ND*DISC NBR (EU-55)
 SI*TI*T6*TC OPT (EU-57)

Data Element Summary

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

Segment: **REF** Reference Identification

Position: 1000

Loop: POC Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify identifying information

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

Comments:

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

Data Element Summary

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

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.
 - 2 If DTM04 is present, then DTM03 is required.
 - 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

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

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Element</u> | <u>Name</u> | | |
|---|-------------------|-------------|---------------------|---|---|--------|
| | <u>Des.</u> | | | | | |
| | <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 (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.
- 4 If either SLN09 or SLN10 is present, then the other is required.
- 5 If either SLN11 or SLN12 is present, then the other is required.
- 6 If either SLN13 or SLN14 is present, then the other is required.
- 7 If either SLN15 or SLN16 is present, then the other is required.
- 8 If either SLN17 or SLN18 is present, then the other is required.
- 9 If either SLN19 or SLN20 is present, then the other is required.
- 10 If either SLN21 or SLN22 is present, then the other is required.
- 11 If either SLN23 or SLN24 is present, then the other is required.
- 12 If either SLN25 or SLN26 is present, then the other is required.
- 13 If either SLN27 or SLN28 is present, then the other is required.

Semantic Notes:

- 1 SLN01 is the identifying number for the subline item.
- 2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
- 3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
- 4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

- 1 See the Data Element Dictionary for a complete list of IDs.
- 2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
- 3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

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

Data Element Summary

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

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

Segment: **SI** Service Characteristic Identification

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

Semantic Notes:

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

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

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|---|------------------|---------------------|---|---|---------|
| M | SI01 | 559 | Agency Qualifier Code Code identifying the agency assigning the code values TI Telecommunications Industry | M | ID 2/2 |
| M | SI02 | 1000 | Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics TC Transfer Announcement Number | M | AN 2/2 |
| M | SI03 | 234 | Product/Service ID Identifying number for a product or service TC TO PRI (EU-58) = Transfer of Calls To Primary Number | M | AN 1/48 |

Segment: **N1** Name
Position: 5360
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:

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

Semantic Notes:
Comments:

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

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

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|---|------------------|---------------------|--|---|---------|
| M | N101 | 98 | Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual | M | ID 2/3 |
| | | | TT Transfer To | | |
| | N102 | 93 | Name Free-form name | X | 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.
 - 2 If either C04003 or C04004 is present, then the other is required.
 - 3 If either C04005 or C04006 is present, then the other is required.

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

Comments:

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

Data Element Summary

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

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.

- 4 If either SLN09 or SLN10 is present, then the other is required.
- 5 If either SLN11 or SLN12 is present, then the other is required.
- 6 If either SLN13 or SLN14 is present, then the other is required.
- 7 If either SLN15 or SLN16 is present, then the other is required.
- 8 If either SLN17 or SLN18 is present, then the other is required.
- 9 If either SLN19 or SLN20 is present, then the other is required.
- 10 If either SLN21 or SLN22 is present, then the other is required.
- 11 If either SLN23 or SLN24 is present, then the other is required.
- 12 If either SLN25 or SLN26 is present, then the other is required.
- 13 If either SLN27 or SLN28 is present, then the other is required.

Semantic Notes: 1 SLN01 is the identifying number for the subline item.
 2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
 3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
 4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments: 1 See the Data Element Dictionary for a complete list of IDs.
 2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
 3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

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

Data Element Summary

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

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

Segment: **SI** Service Characteristic Identification

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

Semantic Notes:

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

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

Data Element Summary

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

Segment: **N1** Name
Position: 5360
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:

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

Semantic Notes:
Comments:

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

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

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|---|------------------|---------------------|--|---|---------|
| M | N101 | 98 | Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual | M | ID 2/3 |
| | | | TT Transfer To | | |
| | N102 | 93 | Name Free-form name | X | AN 1/60 |
| | | | 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.
 - 2 If either C04003 or C04004 is present, then the other is required.
 - 3 If either C04005 or C04006 is present, then the other is required.

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

Comments:

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

Data Element Summary

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

Segment: **POC** Line Item Change - Resale Form (Service Detail Section)

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

- Purpose:** To specify changes to a line item
- Syntax Notes:**
- 1 If POC03 is present, then both POC04 and POC05 are required.
 - 2 If POC07 is present, then POC06 is required.
 - 3 If either POC08 or POC09 is present, then the other is required.
 - 4 If either POC10 or POC11 is present, then the other is required.
 - 5 If either POC12 or POC13 is present, then the other is required.
 - 6 If either POC14 or POC15 is present, then the other is required.
 - 7 If either POC16 or POC17 is present, then the other is required.
 - 8 If either POC18 or POC19 is present, then the other is required.
 - 9 If either POC20 or POC21 is present, then the other is required.
 - 10 If either POC22 or POC23 is present, then the other is required.
 - 11 If either POC24 or POC25 is present, then the other is required.
 - 12 If either POC26 or POC27 is present, then the other is required.
- Semantic Notes:**
- 1 POC01 is the purchase order line item identification.

Comments:

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

Data Element Summary

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

Segment: **SI** Service Characteristic Identification

Position: 0180
Loop: POC Optional
Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

Syntax Notes:

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

Semantic Notes:

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

Notes:

- SI*TI*SA*LNA (RE-12)
- SI*TI*TN*TNS (RE-15)
- SI*TI*OT*OTN (RE-19)
- SI*TI*TD*PTKCON (RE-24)
- SI*TI*CN*ECCKT (RE-28)
- SI*TI*T6*TC OPT (RE-35)
- SI*TI*BD*PRIBD (RE-20)

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|----------|------------------|---------------------|--|----------|----------------|
| M | SI01 | 559 | Agency Qualifier Code | M | ID 2/2 |
| | | | Code identifying the agency assigning the code values | | |
| | | | TI Telecommunications Industry | | |
| M | SI02 | 1000 | Service Characteristics Qualifier | M | AN 2/2 |
| | | | Code from an industry code list qualifying the type of service characteristics | | |
| | | | BD Primary B/D Channel Configuration | | |
| | | | CN Circuit Number Identification Code | | |
| | | | OT Out Telephone Number | | |
| | | | SA Service Activity Code | | |
| | | | T6 Transfer of Calls Option | | |
| | | | TD Transmission Duplex | | |
| | | | TN Telephone Number | | |
| M | SI03 | 234 | Product/Service ID | M | AN 1/48 |
| | | | Identifying number for a product or service | | |
| | | | LNA (RE-12) = Line Activity | | |
| | | | CT = (DWS : X - TN change) | | |
| | | | C = (DWS : C - Change) | | |
| | | | A = (DWS : N - New) | | |
| | | | D = (DWS : D - Disconnect) | | |
| | | | V = (DWS : V - Conversion of Service as Specified) | | |

P = (DWS : P - PIC Change)

TNS (RE-15) = Telephone Numbers

OTN (RE-19) = Out Telephone Number

PTKCON (RE-24) = PBX Trunk Configuration

ECCKT (RE-28) = Exchange Company Circuit ID

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

PRIBD (RE-20) = ISDN PRI 'B' and 'D' Channel Configuration

| | |
|------------------------|---|
| Segment: | PID Product/Item Description |
| Position: | 0500 |
| Loop: | PID Optional |
| Level: | Detail |
| Usage: | Optional |
| Max Use: | 1 |
| Purpose: | To describe a product or process in coded or free-form format |
| Syntax Notes: | <ol style="list-style-type: none"> 1 If PID04 is present, then PID03 is required. 2 At least one of PID04 or PID05 is required. 3 If PID07 is present, then PID03 is required. 4 If PID08 is present, then PID04 is required. 5 If PID09 is present, then PID05 is required. |
| Semantic Notes: | <ol style="list-style-type: none"> 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: | <ol style="list-style-type: none"> 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: | <div style="background-color: #e0e0e0; padding: 2px;"> PID*S**TI*AG***SO-RSQ*NIDR (RE-47) PID*X**TI*CFA*CFA (RE-57) </div> |

Data Element Summary

| Ref. | Data | Name | | |
|-------------|----------------|---|---|---------|
| <u>Des.</u> | <u>Element</u> | <u>Name</u> | | |
| M | PID01 | 349 Item Description Type | M | ID 1/1 |
| | | Code indicating the format of a description | | |
| | | S Structured (From Industry Code List) | | |
| | | X Semi-structured (Code and Text) | | |
| | PID03 | 559 Agency Qualifier Code | X | ID 2/2 |
| | | Code identifying the agency assigning the code values | | |
| | | TI Telecommunications Industry | | |
| | PID04 | 751 Product Description Code | X | AN 1/12 |
| | | A code from an industry code list which provides specific data about a product characteristic | | |
| | | AG Network Interface Device Request | | |
| | | CFA Connecting Facility Assignment | | |
| | PID05 | 352 Description | X | AN 1/80 |
| | | A free-form description to clarify the related data elements and their content | | |
| | | CFA (RE-57) = Connecting Facility Assignment | | |
| | 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

NIDR (RE-47) = NID Request

Segment: **REF** Reference Identification
Position: 1000
Loop: POC Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:

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

Semantic Notes:

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

Comments:
Notes:

```

REF*IX*LNUM (RE-9)*LNUM
REF*GP*TSP (RE-25)
REF*AE*SAN (RE-26)

```

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|---|----------------------------|---------------------|---|---|---------|
| M | <u>Attributes</u> REF01 | 128 | Reference Identification Qualifier Code qualifying the Reference Identification AE Authorization for Expense (AFE) Number GP Government Priority Number IX Item Number | M | ID 2/3 |
| | REF02 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier LNUM (RE-9) = Line Number TSP (RE-25) = Telecommunications Service Priority SAN (RE-26) = Subscriber Authorization Number | X | AN 1/30 |
| | REF03 | 352 | Description A free-form description to clarify the related data elements and their content "LNUM" | X | AN 1/80 |

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.
 - 2 If DTM04 is present, then DTM03 is required.
 - 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

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

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | | |
|---|--------------|----------------|---|---|--------|
| | <u>Des.</u> | <u>Element</u> | | | |
| M | <u>DTM01</u> | 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 | | |
| | <u>DTM02</u> | 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.
- 2 If either N103 or N104 is present, then the other is required.

Semantic Notes:
Comments:

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

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

Data Element Summary

| | <u>Ref.</u> <u>Des.</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | | |
|---|----------------------------|-------------------------------|--|---|---------|
| M | N101 | 98 | Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual P9 Primary Interexchange Carrier (PIC) Identifies the carrier who will handle the interexchange calls | M | ID 2/3 |
| | N103 | 66 | Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 41 Telecommunications Carrier Identification Code Identifies the Interexchange carrier for the charges being billed | X | ID 1/2 |
| | N104 | 67 | Identification Code Code identifying a party or other code PIC (RE-30) = InterLATA Pre-subscription Indicator Code | X | AN 2/80 |

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

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

Semantic Notes:
Comments:

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

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

Data Element Summary

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

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.
- 4 If either SLN09 or SLN10 is present, then the other is required.
- 5 If either SLN11 or SLN12 is present, then the other is required.
- 6 If either SLN13 or SLN14 is present, then the other is required.
- 7 If either SLN15 or SLN16 is present, then the other is required.
- 8 If either SLN17 or SLN18 is present, then the other is required.
- 9 If either SLN19 or SLN20 is present, then the other is required.
- 10 If either SLN21 or SLN22 is present, then the other is required.
- 11 If either SLN23 or SLN24 is present, then the other is required.
- 12 If either SLN25 or SLN26 is present, then the other is required.
- 13 If either SLN27 or SLN28 is present, then the other is required.

Semantic Notes:

- 1 SLN01 is the identifying number for the subline item.
- 2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
- 3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
- 4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

- 1 See the Data Element Dictionary for a complete list of IDs.
- 2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
- 3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

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

Data Element Summary

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

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

Segment: **SI** Service Characteristic Identification

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

Semantic Notes:

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

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

Data Element Summary

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

Segment: **N1** Name
Position: 5360
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:

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

Semantic Notes:
Comments:

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

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

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|---|------------------|---------------------|--|---|---------|
| M | N101 | 98 | Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual | M | ID 2/3 |
| | | | TT Transfer To | | |
| | N102 | 93 | Name Free-form name | X | AN 1/60 |
| | | | 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.
 - 2 If either C04003 or C04004 is present, then the other is required.
 - 3 If either C04005 or C04006 is present, then the other is required.

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

Comments:

Notes: REF*55*TCID (RE-38a)*PRI

Data Element Summary

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

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.
- 4 If either SLN09 or SLN10 is present, then the other is required.
- 5 If either SLN11 or SLN12 is present, then the other is required.
- 6 If either SLN13 or SLN14 is present, then the other is required.
- 7 If either SLN15 or SLN16 is present, then the other is required.
- 8 If either SLN17 or SLN18 is present, then the other is required.
- 9 If either SLN19 or SLN20 is present, then the other is required.
- 10 If either SLN21 or SLN22 is present, then the other is required.
- 11 If either SLN23 or SLN24 is present, then the other is required.
- 12 If either SLN25 or SLN26 is present, then the other is required.
- 13 If either SLN27 or SLN28 is present, then the other is required.

Semantic Notes: 1 SLN01 is the identifying number for the subline item.
 2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
 3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
 4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments: 1 See the Data Element Dictionary for a complete list of IDs.
 2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
 3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

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

Data Element Summary

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

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

Segment: **SI** Service Characteristic Identification

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

Semantic Notes:

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

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

Data Element Summary

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

Segment: **N1** Name
Position: 5360
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:

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

Semantic Notes:
Comments:

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

Notes: N1*TT*TC NAME (RE-42)

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|---|------------------|---------------------|--|---|---------|
| M | N101 | 98 | Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual | M | ID 2/3 |
| | | | TT Transfer To | | |
| | N102 | 93 | Name Free-form name | X | AN 1/60 |
| | | | 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.
 - 2 If either C04003 or C04004 is present, then the other is required.
 - 3 If either C04005 or C04006 is present, then the other is required.

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

Comments:

Notes: REF*55*TCID (RE-41)*SEC

Data Element Summary

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

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.
- 4 If either SLN09 or SLN10 is present, then the other is required.
- 5 If either SLN11 or SLN12 is present, then the other is required.
- 6 If either SLN13 or SLN14 is present, then the other is required.
- 7 If either SLN15 or SLN16 is present, then the other is required.
- 8 If either SLN17 or SLN18 is present, then the other is required.
- 9 If either SLN19 or SLN20 is present, then the other is required.
- 10 If either SLN21 or SLN22 is present, then the other is required.
- 11 If either SLN23 or SLN24 is present, then the other is required.
- 12 If either SLN25 or SLN26 is present, then the other is required.
- 13 If either SLN27 or SLN28 is present, then the other is required.

Semantic Notes: 1 SLN01 is the identifying number for the subline item.
 2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
 3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
 4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments: 1 See the Data Element Dictionary for a complete list of IDs.
 2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
 3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

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

Data Element Summary

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

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

Segment: **SI** Service Characteristic Identification

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

Semantic Notes:

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

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

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|---|-------------------|---------------------|---|---|---------|
| | Attributes | | | | |
| M | SI01 | 559 | Agency Qualifier Code | M | ID 2/2 |
| | | | Code identifying the agency assigning the code values TI Telecommunications Industry | | |
| M | SI02 | 1000 | Service Characteristics Qualifier | M | AN 2/2 |
| | | | Code from an industry code list qualifying the type of service characteristics BB Blocking Activity | | |
| M | SI03 | 234 | Product/Service ID | M | AN 1/48 |
| | | | Identifying number for a product or service BA (RE-54) = Blocking Activity | | |
| | SI04 | 1000 | Service Characteristics Qualifier | X | AN 2/2 |
| | | | Code from an industry code list qualifying the type of service characteristics TB Blocking/Billing Exception | | |
| | SI05 | 234 | Product/Service ID | X | AN 1/48 |
| | | | Identifying number for a product or service BLOCK (RE-55) = Block | | |

Segment: **SLN** Subline Item Detail

Position: 4600
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: 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.
- 4 If either SLN09 or SLN10 is present, then the other is required.
- 5 If either SLN11 or SLN12 is present, then the other is required.
- 6 If either SLN13 or SLN14 is present, then the other is required.
- 7 If either SLN15 or SLN16 is present, then the other is required.
- 8 If either SLN17 or SLN18 is present, then the other is required.
- 9 If either SLN19 or SLN20 is present, then the other is required.
- 10 If either SLN21 or SLN22 is present, then the other is required.
- 11 If either SLN23 or SLN24 is present, then the other is required.
- 12 If either SLN25 or SLN26 is present, then the other is required.
- 13 If either SLN27 or SLN28 is present, then the other is required.

Semantic Notes:

- 1 SLN01 is the identifying number for the subline item.
- 2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
- 3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
- 4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

- 1 See the Data Element Dictionary for a complete list of IDs.
- 2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
- 3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

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

Data Element Summary

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

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

Segment: **SI** Service Characteristic Identification

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

Semantic Notes:

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

Notes: SI*TI*SA*FA (RE-58)*SC*FEATURE (RE-59)
SI*TI*FD*FEATURE DETAIL (RE-60) [SI Segment may repeat]

Data Element Summary

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

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.
 3 If either POC08 or POC09 is present, then the other is required.
 4 If either POC10 or POC11 is present, then the other is required.
 5 If either POC12 or POC13 is present, then the other is required.
 6 If either POC14 or POC15 is present, then the other is required.
 7 If either POC16 or POC17 is present, then the other is required.
 8 If either POC18 or POC19 is present, then the other is required.
 9 If either POC20 or POC21 is present, then the other is required.
 10 If either POC22 or POC23 is present, then the other is required.
 11 If either POC24 or POC25 is present, then the other is required.
 12 If either POC26 or POC27 is present, then the other is required.
Semantic Notes:
 1 POC01 is the purchase order line item identification.

Comments:

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

Data Element Summary

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

Segment: **SI** Service Characteristic Identification

Position: 0180

Loop: POC Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify service characteristic data

Syntax Notes:

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

Semantic Notes:

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

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

Data Element Summary

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

Segment: **QTY** Quantity
Position: 2930
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes:
 1 At least one of QTY02 or QTY04 is required.
 2 Only one of QTY02 or QTY04 may be present.
Semantic Notes:
 1 QTY04 is used when the quantity is non-numeric.
Comments:
Notes: QTY*31*DIRQTYA (DL-103)*DY
 QTY*38*DIRQTYNC (DL-104)*DY

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|---|----------------------------|---------------------|--|---|--------|
| M | <u>Attributes</u> QTY01 | 673 | Quantity Qualifier Code specifying the type of quantity 31 Additional Demand Quantity 38 Original Quantity | M | ID 2/2 |
| | QTY02 | 380 | Quantity Numeric value of quantity DIRQTYA (DL-103) = Number of Directories for Annual Delivery DIRQTYNC (DL-104) = Number of Directories Delivered on New Connect | X | R 1/15 |
| | QTY03 | C001 | Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use) | O | |
| M | C00101 | 355 | Unit or Basis for Measurement Code 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 | M | ID 2/2 |

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

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

Semantic Notes:
Comments:

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

Notes: N1*DA*DELNAME

Data Element Summary

| Ref. | Data | Element | Name | M | ID |
|------|-------------------|---------|---|---|---------|
| M | <u>Attributes</u> | N101 | 98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual DA Delivery Address | M | ID 2/3 |
| | | N102 | 93 Name Free-form name "DELNAME" | X | AN 1/60 |

Segment: **N4 Geographic Location**

Position: 3700

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify the geographic place of the named party

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

Semantic Notes:

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

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

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Element</u> | <u>Name</u> | | |
|-------------|-------------|-------------------------------|--|----------|----------------|
| N402 | 156 | State or Province Code | | X | ID 2/2 |
| | | | Code (Standard State/Province) as defined by appropriate government agency | | |
| | | | STATE (DL-99) = State/Province | | |
| N403 | 116 | Postal Code | | O | ID 3/15 |
| | | | Code defining international postal zone code excluding punctuation and blanks (zip code for United States) | | |
| | | | ZIP (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:

Notes:

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

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | |
|----------|--------------|----------------|--|------------------|
| | <u>Des.</u> | <u>Element</u> | | |
| M | NX201 | 1106 | Address Component Qualifier | M ID 2/2 |
| | | | Code qualifying the type of address component | |
| | | | 01 Street Number | |
| | | | 02 Street Name | |
| | | | 03 Prefix Direction | |
| | | | 07 City Name | |
| | | | 18 Unstructured Mailing Address | |
| | | | 40 Street Suffix | |
| | | | 59 Street Number Low | |
| | | | 61 Street Number Fraction | |
| | | | 62 Street Name Suffix | |
| M | NX202 | 166 | Address Information | M AN 1/55 |
| | | | Address information | |
| | | | DDANO (DL-85) = Delivery Address Number | |
| | | | DDASN (DL-88) = Delivery Address Street Name | |
| | | | DDASD (DL-87) = Delivery Address Street Directional Prefix | |
| | | | CITY (DL-98) = City | |
| | | | DDALO (DL-90a) = Delivery Address Location | |
| | | | DDASS (DL-90) = Delivery Address Street Directional Suffix | |
| | | | DDAPR (DL-84) = Delivery Address Number Prefix | |
| | | | DDASF (DL-86) = Delivery Address Number Suffix | |
| | | | DDATH (DL-89) = Delivery Address Street Type | |

Segment: **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.
 - 3 If either POC08 or POC09 is present, then the other is required.
 - 4 If either POC10 or POC11 is present, then the other is required.
 - 5 If either POC12 or POC13 is present, then the other is required.
 - 6 If either POC14 or POC15 is present, then the other is required.
 - 7 If either POC16 or POC17 is present, then the other is required.
 - 8 If either POC18 or POC19 is present, then the other is required.
 - 9 If either POC20 or POC21 is present, then the other is required.
 - 10 If either POC22 or POC23 is present, then the other is required.
 - 11 If either POC24 or POC25 is present, then the other is required.
 - 12 If either POC26 or POC27 is present, then the other is required.
- Semantic Notes:**
- 1 POC01 is the purchase order line item identification.

Comments:

Notes: POC*n*RZ*****ZZ*DL*SH*RTY (DL-12) [POC Loop May Repeat]

Data Element Summary

| Ref. | Data | | | |
|-------------------|----------------|--|---|---------|
| <u>Des.</u> | <u>Element</u> | <u>Name</u> | | |
| <u>Attributes</u> | | | | |
| POC01 | 350 | Assigned Identification | O | AN 1/20 |
| | | Alphanumeric characters assigned for differentiation within a transaction set | | |
| | | "n" = nth assigned ID within POC loop | | |
| M | POC02 | Change or Response Type Code | M | ID 2/2 |
| | | Code specifying the type of change to the line item | | |
| | | RZ Replace All Values | | |
| | | Receiver should replace the corresponding values in the original purchase order with the values contained in the Purchase Order Change Transaction Set | | |
| | POC08 | Product/Service ID Qualifier | X | ID 2/2 |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | |
| | | ZZ Mutually Defined | | |
| | POC09 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |
| | | "DL" | | |
| | POC10 | Product/Service ID Qualifier | X | ID 2/2 |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | |
| | | SH Service Requested | | |
| | | A numeric or alphanumeric code from a list of services available to the customer | | |
| | POC11 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |
| | | RTY (DL-12) = Record Type | | |

Segment: **SI** Service Characteristic Identification

Position: 0180
Loop: POC Optional
Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify service characteristic data

Syntax Notes:

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

Semantic Notes:

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

Notes:

- SI*TI*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

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|---|-------------------|---------------------|--|---|---------|
| | Attributes | | | | |
| M | SI01 | 559 | Agency Qualifier Code | M | ID 2/2 |
| | | | Code identifying the agency assigning the code values | | |
| | | | TI Telecommunications Industry | | |
| M | SI02 | 1000 | Service Characteristics Qualifier | M | AN 2/2 |
| | | | Code from an industry code list qualifying the type of service characteristics | | |
| | | | BO Business/Residence Placement Override | | |
| | | | BR Directory Listing Type of Account | | |
| | | | DG Degree of Indent | | |
| | | | DN Directory Book Name | | |
| | | | LB Listing Activity Indicator (LACT) | | |
| | | | LE Listing Type | | |
| | | | TW Style Code | | |
| M | SI03 | 234 | Product/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: | 1 |
| Purpose: | To describe a product or process in coded or free-form format |
| Syntax Notes: | <ol style="list-style-type: none"> 1 If PID04 is present, then PID03 is required. 2 At least one of PID04 or PID05 is required. 3 If PID07 is present, then PID03 is required. 4 If PID08 is present, then PID04 is required. 5 If PID09 is present, then PID05 is required. |
| Semantic Notes: | <ol style="list-style-type: none"> 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: | <ol style="list-style-type: none"> 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: | <pre>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)</pre> |

Data Element Summary

| Ref. | Data | Element | Name | M | ID |
|-------------|----------------|-------------|---|---|---------|
| <u>Des.</u> | <u>Element</u> | <u>Name</u> | | | |
| M | PID01 | 349 | Item Description Type Code indicating the format of a description S Structured (From Industry Code List) | M | ID 1/1 |
| | PID03 | 559 | Agency Qualifier Code Code identifying the agency assigning the code values TI Telecommunications Industry | X | ID 2/2 |
| | PID04 | 751 | Product Description Code A code from an industry code list which provides specific data about a product characteristic AR Omit Telephone Number AS Listed Name Placement AT Address Indicator AW Direct Mail List | X | AN 1/12 |

| | | | | |
|--------------|-------------|---|---|------------------|
| | | AX | No Solicitation Indicator | |
| | | AY | Telemarketing | |
| | | BA | Professional Identifier | |
| PID07 | 822 | Source Subqualifier | | O AN 1/15 |
| | | A reference that indicates the table or text maintained by the Source Qualifier | | |
| | | SO-RSQ | Service Order - Reseller Questions List | |
| PID08 | 1073 | Yes/No Condition or Response Code | | O ID 1/1 |
| | | Code indicating a Yes or No condition or response | | |
| | | OMTN (DL-41) = Omit TN | | |
| | | Y = (DWS : O - Omit) | | |
| | | Blank = (DWS : Blank - Do Not Omit) | | |
| | | LNPL (DL-44) = Letter Name Placement | | |
| | | Y = (DWS : L - Letter Placement) | | |
| | | Blank = (DWS : Blank - Default to Word Placement) | | |
| | | ADI (DL-61) = Address Indicator | | |
| | | Y = (DWS : O - Omit in DA and Directory) | | |
| | | Blank = (DWS : Blank - Do Not Omit) | | |
| | | DML (DL-25) = Direct Mail List | | |
| | | Y = (DWS : O - Omit) | | |
| | | Blank = (DWS : Blank - Do Not Omit) | | |
| | | TMKT (DL-27) = Telemarketing | | |
| | | Y = (DWS : O - Omit from Telemarketing) | | |
| | | Blank = (DWS : Blank - Do Not Omit) | | |
| | | NOSL (DL-26) = No Solicitation Indicator | | |
| | | PROF (DL-32) = Professional Identifier | | |

Segment: **REF** Reference Identification

Position: 1000

Loop: POC Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify identifying information

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

Comments:

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

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | | |
|---|----------------------------|----------------|---|---|---------|
| | <u>Des.</u> | <u>Element</u> | | | |
| M | <u>Attributes</u> REF01 | 128 | Reference Identification Qualifier Code qualifying the Reference Identification LI Line Item Identifier (Seller's) | M | ID 2/3 |
| | REF02 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ALI (DL-11) = Alpha/Numeric Listing Identifier Code | X | AN 1/30 |

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

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|---|------------------|---------------------|--|---|---------|
| M | N901 | 128 | Reference Identification Qualifier 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 | M | ID 2/3 |
| | N902 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier "PLA" | X | AN 1/30 |

Segment: **MTX** Text
Position: 3260
Loop: N9 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify textual data
Syntax Notes:

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

Semantic Notes:

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

Comments:

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

Notes: MTX**PLA (DL-55)

Data Element Summary

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

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|---|------------------|---------------------|--|---|---------|
| M | N901 | 128 | Reference Identification Qualifier 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 | M | ID 2/3 |
| | N902 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier "LTXTY" | X | AN 1/30 |
| | N903 | 369 | Free-form Description Free-form descriptive text LTXTY (DL-57) = Listing Text Type | X | AN 1/45 |

Segment: **MTX** Text

Position: 3260

Loop: N9 Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify textual data

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

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

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

Notes: MTX**LTEXT (DL-59)

Data Element Summary

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

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

Segment: **MTX** Text
Position: 3260
Loop: N9 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify textual data
Syntax Notes:

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

Semantic Notes:

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

Comments:

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

Notes: MTX**REMARKS (DL-113)

Data Element Summary

| <u>Ref.</u> <u>Des.</u> <u>Attributes</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | | |
|---|-------------------------------|---|---|-----------|
| MTX02 | 1551 | Message Text | X | AN 1/4096 |
| | | To transmit large volumes of message text | | |
| | | REMARKS (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.
- 2 If either N103 or N104 is present, then the other is required.

Semantic Notes:
Comments:

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

Notes: N1*DH*LISTINGS

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|---|------------------|---------------------|--|---|---------|
| M | N101 | 98 | Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual DH Doing Business As | M | ID 2/3 |
| | N102 | 93 | Name Free-form name "LISTINGS" | X | AN 1/60 |

Segment: IN2 Individual Name Structure Components

Position: 3550

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To sequence individual name components for maximum specificity

Syntax Notes:

Semantic Notes:

Comments:

Notes:

IN2*05*LNLN (DL-45)
 IN2*02*LNFN (DL-46)*LNFN (DL-46)
 IN2*21*DES (DL-47)
 IN2*10*TL (DL-48)*TL
 IN2*01*TITLE1 (DL-49)*TITLE1
 IN2*18*NICK (DL-54)
 IN2*12*DESD (DL-50a)*DESD
 IN2*10*TLD (DL-51)*TLD
 IN2*01*TITLE1D (DL-52)*TITLE1D

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | | |
|---|------------------|---------------------|--|---|---------|
| M | IN201 | 1104 | Name Component Qualifier Code identifying the type of name component | M | ID 2/2 |
| | | | 01 Prefix | | |
| | | | 02 First Name | | |
| | | | 05 Last Name | | |
| | | | 10 Generation | | |
| | | | 12 Combined (Unstructured) Name | | |
| | | | 18 Preferred First Name or Nickname | | |
| | | | 21 Professional Title | | |
| M | IN202 | 93 | Name Free-form name | M | AN 1/60 |
| | | | LNLN (DL-45) = Listed Name Last LNFN (DL-46) = Listed Name First DES (DL-47) = Designation TL (DL-48) = Title of Lineage TITLE1 (DL-49) = Title of Address 1 NICK (DL-54) = Nickname DESD (DL-50a) = Designation for Dual Name TLD (DL-51) = Title of Lineage for Dual Name TITLE1D (DL-52) = Title of Address 1 for Dual Name | | |
| | IN203 | 93 | Name Free-form name | O | AN 1/60 |
| | | | LNFN (DL-46) = Listed Name First "TL" "TITLE1" "DESD" "TLD" "TITLE1D" | | |

Segment: **N4 Geographic Location**

Position: 3700

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify the geographic place of the named party

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

Semantic Notes:

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

Notes: N4**LAST (DL-71)

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <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 government agency | |
| | | | LAST (DL-71) = Listed Address State/Province | |

Segment: **NX2** Location ID Component

Position: 3750

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To define types and values of a geographic location

Syntax Notes:

Semantic Notes:

Comments:

Notes:

NX2*01*LANO (DL-63)

NX2*02*LASN (DL-66)

NX2*03*LASD (DL-65)

NX2*07*LALOC (DL-70)

NX2*18*LALO (DL-69)

NX2*40*LASS (DL-68)

NX2*59*LAPR (DL-62)

NX2*61*LASF (DL-64)

NX2*62*LATH (DL-67)

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | |
|---|----------------------------|----------------|--|-----------|
| | <u>Des.</u> | <u>Element</u> | | |
| M | <u>Attributes</u> NX201 | 1106 | Address Component Qualifier Code qualifying the type of address component 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 ID 2/2 |
| M | 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 | 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.
- 2 If either SI06 or SI07 is present, then the other is required.
- 3 If either SI08 or SI09 is present, then the other is required.
- 4 If either SI10 or SI11 is present, then the other is required.
- 5 If either SI12 or SI13 is present, then the other is required.
- 6 If either SI14 or SI15 is present, then the other is required.
- 7 If either SI16 or SI17 is present, then the other is required.
- 8 If either SI18 or SI19 is present, then the other is required.
- 9 If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

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

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

Data Element Summary

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

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

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

Semantic Notes:

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

Notes: CTT*Number of POC Segments

Data Element Summary

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

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

Syntax Notes:

Semantic Notes:

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

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

Data Element Summary

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