# Telephone Number (TN) Reservation Transaction Cycle

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# 9. Telephone Number (TN) Reservation Transaction Cycle

## 9.1 Business Description

TN Reservation provides CLECs with the capability to reserve one or more telephone number(s) with an 'available' status. TN Reservation is used when an end user is requesting new service, adding a feature, (such as distinctive ringing), on an existing service, adding a new line for an existing service, requesting a change of telephone number, or is moving to an area outside of the current local service office (LSO).

In a Telephone Number Availability Query (TNAQ), a CLEC may request up to nine standard telephone numbers, or up to three custom telephone numbers based on information from a Address Validation transaction. A Purchase Order Number (PON) is required a TNAQ to match up with the PON of the local service request (LSR) that will use the reserved TNs.

After the CLEC submits the TNAQ, they will receive a TN Availability Response (TNAR). The TNAR includes a list of available telephone numbers for the end-user's address and the preferred prefix, when possible. This list identifies TN(s) that are pre-reserved specifically to the PON included on the request. The CLEC is not required to submit a TN Select Query (TNSQ) to use the pre-reserved TN(s). To avoid tying up TN resources, the CLEC must submit an LSR with the PON corresponding to the TNAR transaction within thirty calendar days, or the pre-reserved TNs will be returned to Qwest.

A TNSQ is required if the CLEC wants a subset or different TN(s) than the one(s) pre-reserved in TNAR. A PON is required in this query to match up with the PON of the LSR that will use the reserved TNs. As noted above, the CLEC must submit an LSR with the PON that corresponds to the reserved TNs within thirty days.

If telephone numbers are reserved in pre-order, the PON entered on the service request must match the PON used in pre-order.

Custom numbers (also known as good, vanity or easy numbers) are new functionality in the IMA pre-order GUI and EDI. Custom numbers allow a customer to select telephone numbers that are easy to remember or dial. The customer has a choice of selecting between two types of custom numbers: easy numbers or easy word numbers. Easy numbers consist of 10 categories (see below). These categories offer a variety of telephone numbers that a user may select. For example, it is possible for a user to select the last four digits as repeating (XXX-XXX-6565), or the last three numbers to be the same (XXX-XXX-7999). The second type of custom number that may be requested is an easy word number. An easy word number can consist of actual words (alpha characters A-Y, excluding Q), or numeric characters (0-9). An easy word number can be from one to seven characters long. For example, a customer may request the last four digits to be "DOGS". Alternatively, a customer may also request the last four digits to be 3674 (which is the number equivalent of the word DOGS, D=3, O=6, G=7, S=4).

In addition to custom numbers, a CLEC can also request telephone numbers that closely match an existing telephone number. These are known as nearby telephone numbers. For example, a customer may request a telephone number that is close to 303-659-1119. Or, as another option, a customer may request consecutive blocks of regular telephone numbers. This feature is not available for nearby telephone numbers, easy numbers, or easy word numbers. An example of a consecutive block of telephone numbers would be 303-857-1000, 303-857-1001, 303-857-1002, 303-857-1003, and 303-857-1004.

Categories for easy numbers:

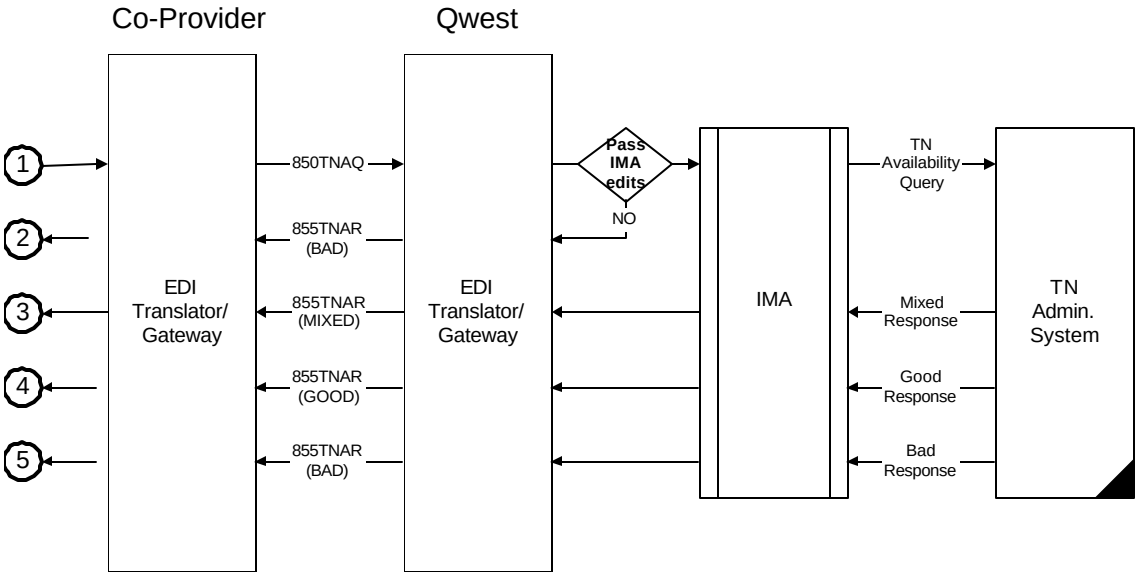
1=Any 3 Same (XYXX)
2=Brackets (XYYX)
3=2 Repeated (XYXY)
4=First 3 Same (XXXY)
5=Hundreds (XX00)
6=2 Pair (XXYY)
7= Last 3 same (XYYY)
8=Ladders (WXYZ,ZYXW)
9=4 of a Kind (XXXX)
10= Thousands (X000)

## 9.2 Business Model

### TN Availability

TN Reservation provides Co-Providers with the capability to identify one or more telephone numbers as available and to reserve them. In the TN Availability Query (TNAQ) activity, the Co-Provider may request up to 20 numbers based on a validated address and other information obtained from the Address Validation transaction. After the Co-Provider submits the TNAQ, they will receive a TN Availability Response (TNAR) with pre-reserved TN(s). The Co-Provider is not required to submit a TN Select Query (TNSQ) to use the pre-reserved TN(s).

**TN Availability**




1. The Co-Provider submits an 850TNAQ to request up to 20 numbers. A PON, purchase order number, is needed for this query.
2. If the 850TNAQ fails the IMA edits, an 855TNAR (BAD) will be returned.

   If the 850TNAQ passes the IMA edits, the query will be sent to the TN Administration System. The System will respond with one of three conditions: MIXED, GOOD, or BAD.

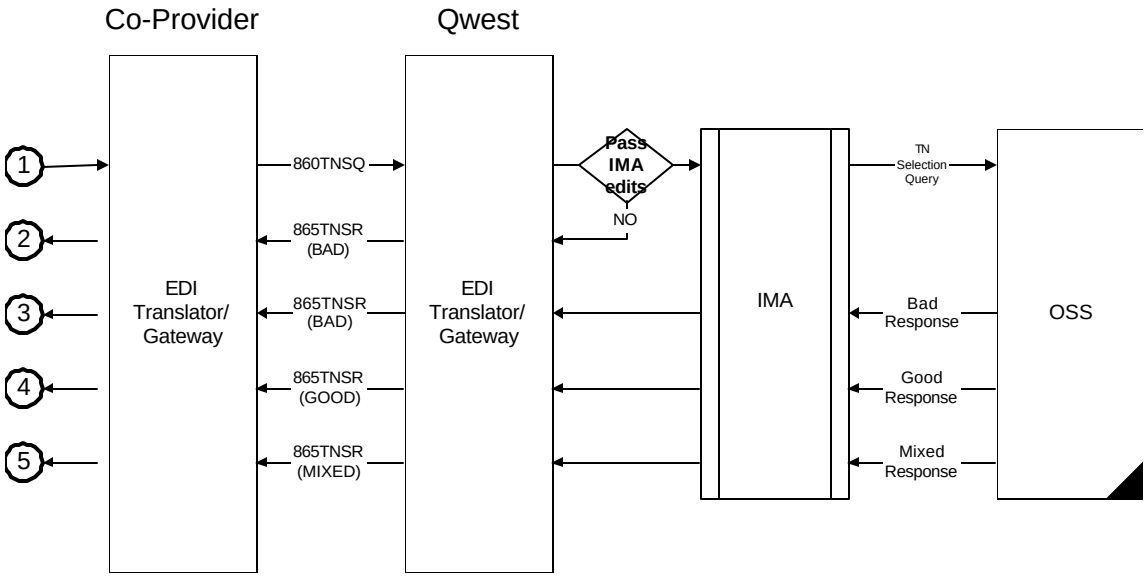
3. An 855TNAR (MIXED) will be returned when a total of 20 TN's cannot be returned. The 855TNAR (MIXED) will return as many TN's as possible, accompanied with error messages. The TN's returned will be reserved for 24 business hours. The Co-Provider must submit an LSR with a corresponding PON within a pre-determined time frame (e.g., 24 business hours) from the TN Availability Transaction or the reservation will be canceled by QWEST. The Co-Provider may also initiate an 860CTQ, Cancellation Query Transaction, to cancel the TN reservations.

4. An 855TNAR (GOOD) will be returned when a total of 20 TN's are available. These TN's will be reserved in the TN Administration System for a configurable amount of time, currently set to 24 business hours. To avoid tying up TN resources, the Co-Provider must submit an LSR with a corresponding PON within a pre-determined time frame (e.g., 24 business hours) from the TN Availability Transaction or the reservation will be canceled by QWEST. The Co-

Provider may also initiate an 860CTQ, Cancellation Query Transaction, to cancel the TN reservations.

5. An 855TNAR (BAD) will be returned if no TN's can be returned or the TN availability query encounters an error in the TN Administration System. The 855TNAR (BAD) will return one or more error messages.

**TN Selection**




1. After receiving an 855TNAR (GOOD) or an 855TNAR (MIXED), TNSQ is required if the Co-Provider wants different TN(s) than the one(s) pre-reserved in TNAR. If the Co-Provider submits a TNSQ for a PON, all pre-reserved TNs from the TNAR for that PON are returned. The Co-Provider must request all new TNs within the TNSQ, and can not include any TNs provided in the original TNAR for the PON. To avoid tying up TN resources, the Co-Provider must submit an LSR with a PON corresponding to the TNSQ transaction within 24 business hours or the TNs reserved will be returned to Qwest. This Selection query is not required since the TNs returned in the 855TNAR (GOOD) or an 855TNAR (MIXED), are in selected status in the TN Administration System

2. If the 860TNSQ fails the IMA edits, an 865TNSR (BAD) will be returned. If the 860TNSQ passes the IMA edits, the query will be sent to the TN Administration System. This system will respond with one of the two conditions: BAD or GOOD.

3. An 865TNSR (BAD) will be returned when the TN Selection Query encounters an error in the TN Administration System. For example, after an 855TNAR (GOOD) has been returned to the Co-Provider and 30 minutes has elapsed, QWEST will cancel the TN reservation in the TN Administration System. After that, if an 860TNSQ is received for those previously reserved TN's, an 865TNSR (BAD) will be returned.

4. When an 865TNSR (GOOD) is returned: To avoid tying up TN resources, the Co-Provider must submit an LSR with a corresponding PON within a pre-determined time frame (e.g., 24 business hours) from the TN Selection Transaction or the reservation will be canceled by QWEST. The Co-Provider may also initiate an 860CTQ, Cancellation Query Transaction, to cancel the TN reservations.

5. An 865TNSR (MIXED) will be returned when the TN Selection Query is successful with reserving at least one TN, but encounters an error in the TN Administration System while attempting to reserve one or more of the other TN's.

## 9.3 Developer Worksheets

See Appendix A - Developer Worksheets - PreOrder

## 9.4 Trading Partner Access Information

| PRE-ORDER FUNCTION | PRODUCT ID |
|---|---|
| Telephone Number Availability Query | 850TNAQ |
| Telephone Number Availability Response | 855TNAR |
| Telephone Number Selection Query | 860TNSQ |
| Telephone Number Selection Response | 865TNSR |

### 9.4.1 **OVERVIEW: Qwest Specific Functional Group Envelope - Routing Information**

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

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

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

### 9.4.2 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* | ***'QWESTP'*** *(Note: This Trading partner ID* |

| | | |
|---|---|---|
| | | *is used only for Pre-order QWEST transactions. The "P" is the unique identifier.)* |
| ISA07 | ***'ZZ'** (Mutually Defined)* | *Co-Provider TP qualifier* |
| ISA08 | ***'QWESTP'** (Note: This Trading partner ID is used only for Pre-order QWEST transactions. The "P" 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)* |

## 9.4.3 GS TABLE INFORMATION

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

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

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

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

**GS TABLE:**

| PRE ORDERING FUNCTION | Qwest SEND/ RECEIVE | DOCUMENT | GS01 VALUE | GS02 VALUE | GS03 VALUE |
|---|---|---|---|---|---|
| Telephone Number Availability Query | Receive | 850TNAQ | PO | *Co-Provider TP ID* | **TNA90** |
| Telephone Number Availability Response | Send | 855TNAR | PR | **TNA90** | *Co-Provider TP ID* |
| Telephone Number Selection Query | Receive | 860TNSQ | PC | *Co-Provider TP ID* | **TNS90** |
| Telephone Number Selection Response | Send | 865TNSR | CA | **TNS90** | *Co-Provider TP ID* |

### 9.4.4 MAPPING EXAMPLE AND DATA DICTIONARY ITEMS

## Purchase Order (PO) Date

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

## Time Code

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

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

## 4020 Exceptions

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

- SLN loop maximum use has been changed to >1

## Delimiters

The following delimiters will be used:

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

## 9.5 Mapping Examples

### 9.5.1 850 Telephone Number Availability Query (850TNAQ) – Version 4020

| Symbol/Definition | Example |
|---|---|
| { } = Valid Format | {CCYYMMDD} |
| ***Bold/Italics*** = DWS Element | ***PON*** |
| Superscript = Developer's Worksheet Ref #<br>DWS used in this mapping example:<br>TNAQ =Telephone Number Availability Query<br>TNAR =Telephone Number Availability Response<br>TNSQ =Telephone Number Selection Query<br>TNSR = Telephone Number Selection Response | TNAR-2 |
| *Italics* = Literal | *GOOD* |
| Underline = Apply code conversion, used with ***Bold/Italics*** .Code conversion tables can be found in the data dictionary of this disclosure. | ***ACT*** |
| [ ] = 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*28*IN***TXNUM*** TNAQ-2**PO Date(See Trading Partner Access Information)
REF*PO****PON*** TNAQ-8
DTM*097****D/TSENT***{CCYYMMDD} TNAQ-3***D/TSENT*** {HHMM} TNAQ-3
SI*TI*IR****TXACT*** TNAQ-5*IQ****TXTYP*** TNAQ-4
N1*78****CCNA*** TNAQ-1
N1*BY**25****CC*** TNAQ-6

## ADDRESS

PO1*n*1*EA***ZZ**TNAQ*
SI*TI*SS****SCATEG*** TNAQ-37*IC****SITEID*** TNAQ-38*LO****TTA*** TNAQ-39*NP****NPA*** TNAQ-42*LX****NXX*** TNAQ-42a*T0****TNTYPE*** TNAQ-43
SI*TI*NB****NTNUM*** TNAQ-42b*RQ****ECATEG*** TNAQ-44c*ZZ****EWORD*** TNAQ-44d*Z9****EJUST*** TNAQ-44e
PID*S**TI*CBLK***SO-RSQ****CBLOCK*** TNAQ-44a
PID*S**TI*ENUM***SO-RSQ****EASNUM*** TNAQ-44b
QTY*B3****QNR*** TNAQ-44*EA
N1*IT**ADDRESS*
N4**_____***STATE*** TNAQ-33****ZIP*** TNAQ-34**RJ****CALA*** TNAQ-35
NX2*01****SANO*** TNAQ-13
NX2*02****SASN*** TNAQ-16
NX2*03****SASD*** TNAQ-15
NX2*05****BOX*** TNAQ-30
NX2*06****ROUTE*** TNAQ-29
NX2*07****CITY*** TNAQ-32
NX2*39****AHN*** TNAQ-28

NX2*40*__SASS__TNAQ-18
NX2*59*__SAPR__TNAQ-12
NX2*61*__SASF__TNAQ-14
NX2*62*__SATH__TNAQ-17
NX2*__LD1__TNAQ-22*__LV1__TNAQ-23
NX2*__LD2__TNAQ-24*__LV2__TNAQ-25
NX2*__LD3__TNAQ-26*__LV3__TNAQ-27
SI*TI*AF*__AFT__TNAQ-11

CTT*Number of PO1 Segments
SE*No of Segments*TRAN SET CONTROL #

### 9.5.2 855 Telephone Number Availability Response (855TNAR) – Version 4020

ST*855*TRAN SET CONTROL #
BAK*11*AT*__TXNUM__[TNAR-2]*PO Date(See Trading Partner Access Information)
REF*PO*__PON__[TNAR-6]
DTM*097*__D/TSENT__{CCYYMMDD}[TNAR-3]*__D/TSENT__{HHMM}[TNAR-3]
SI*TI*IR*__TXACT__[TNAR-5]*IQ*__TXTYP__[TNAR-4]
N1*78*__CCNA__[TNAR-1]
N1*BY**25*__CC__[TNAR-8]

## BAD

PO1*n*1*EA***ZZ**BAD* [PO1 Loop will be used if __RESPONSE__[TNAR-7] = "B"]
SI*TI*SS*__SCATEG__[TNAR-13]*IC*__SITEID__[TNAR-14]*LO*__TTA__[TNAR-15]*RQ*__REQNUM__[TNAR-16]*T0*__TNTYPE__[TNAR-18]
ACK*IR**********TI**TELEPHONE***__RESPONSE__[TNAR-7]
QTY*03*__ERRNUM__[TNAR-21]*EA
N9*1Q*__ERRCODE__[TNAR-22]**ERR* [N9 Loop repeats __ERRNUM__[TNAR-21] times]
MTX***__ERRMESG__[TNAR-23]

## GOOD

PO1*n*1*EA***ZZ**GOOD* [PO1 Loop will be used if __RESPONSE__[TNAR-7] = "G"]
SI*TI*SS*__SCATEG__[TNAR-13]*IC*__SITEID__[TNAR-14]*LO*__TTA__[TNAR-15]*RQ*__REQNUM__[TNAR-16]*T0*__TNTYPE__[TNAR-18]
ACK*IA**********TI**TELEPHONE***__RESPONSE__[TNAR-7]
QTY*SW*__TNCOUNT__[TNAR-19]*EA
SLN**GOOD*n*A*1*EA [SLN Loop repeats __TNCOUNT__[TNAR-19] times]
SI*TI*RV*__TNRES__[TNAR-20]
PID*X**TI*CUSTOMIND***SO-RSQ*__CUSTOMIND__[TNAR-20a]

## MIXED

PO1*n*1*EA***ZZ**MIXED* [PO1 Loop will be used if __RESPONSE__[TNAR-7] = "M"]
SI*TI*SS*__SCATEG__[TNAR-13]*IC*__SITEID__[TNAR-14]*LO*__TTA__[TNAR-15]*RQ*__REQNUM__[TNAR-16]*T0*__TNTYPE__[TNAR-18]
ACK*IA**********TI**TELEPHONE***__RESPONSE__[TNAR-7]
QTY*SW*__TNCOUNT__[TNAR-19]*EA
QTY*03*__ERRNUM__[TNAR-21]*EA
N9*1Q*__ERRCODE__[TNAR-22]**ERR* [N9 Loop repeats __ERRNUM__[TNAR-21] times]
MTX***__ERRMESG__[TNAR-23]
SLN**MIXED*n*A*1*EA [SLN Loop repeats __TNCOUNT__[TNAR-19] times]
SI*TI*RV*__TNRES__[TNAR-20]
PID*X**TI*CUSTOMIND***SO-RSQ*__CUSTOMIND__[TNAR-20a]

CTT*Number of PO1 Segments
SE*No of Segments*TRAN SET CONTROL #

### 9.5.3 860 Telephone Number Selection Query (860TNSQ) – Version 4020

ST*860*TRAN SET CONTROL #
BCH*28*IN*__TXNUM__[TNSQ-2]***PO Date(See Trading Partner Access Information )
REF*PO*__PON__[TNSQ-6]
DTM*097*__D/TSENT__{CCYYMMDD}[TNSQ-3]*__D/TSENT__{HHMM}[TNSQ-3]
SI*TI*IR*__TXACT__[TNSQ-5]*IQ*__TXTYP__[TNSQ-4]
N1*78*__CCNA__[TNSQ-1]
N1*BY**25*__CC__[TNSQ-7]

POC*n*RZ******ZZ*_TNSQ_
SI*TI*RQ*__SELNUM__[TNSQ-9] [SI repeats __SNR__[TNSQ-8] times]
PAM*B3*__SNR__[TNSQ-8]*EA

CTT*Number of POC Segments
SE*No of Segments*TRAN SET CONTROL #

### 9.5.4 865 Telephone Number Selection Response (865TNSR) – Version 4020

ST*865*TRAN SET CONTROL #
BCA*11*AT*__TXNUM__[TNSR-2]***PO Date(See Trading Partner Access Information )
REF*PO*__PON__[TNSR-6]
DTM*097*__D/TSENT__{CCYYMMDD}[TNSR-3]*__D/TSENT__{HHMM}[TNSR-3]
SI*TI*IR*__TXACT__[TNSR-5]*IQ*__TXTYP__[TNSR-4]
N1*78*__CCNA__[TNSR-1]
N1*BY**25*__CC__[TNSR-8]

## BAD

POC*n*RZ******ZZ**BAD* [POC Loop will be used if __RESPONSE__[TNSR-7] = "B"]
ACK*IR**********TI**TELEPHONE**__RESPONSE__[TNSR-7]
QTY*03*__ERRNUM__[TNSR-30]*EA
N9*1Q*__ERRCODE__[TNSR-31]**ERR* [N9 Loop repeats __ERRNUM__[TNSR-30] times]
MTX**__ERRMESG__[TNSR-32]

## GOOD

POC*n*RZ******ZZ**GOOD* [POC Loop will be used if __RESPONSE__[TNSR-7] = "G"]
ACK*IA**********TI**TELEPHONE**__RESPONSE__[TNSR-7]

## MIXED

POC*n*RZ******ZZ**MIXED* [POC Loop will be used if __RESPONSE__[TNSR-7] = "M"]
ACK*IA**********TI**TELEPHONE**__RESPONSE__[TNSR-7]
QTY*V1*__QNSNUM__[TNSR-28]*EA
QTY*03*__ERRNUM__[TNSR-30]*EA
N9*1Q*__ERRCODE__[TNSR-31]**ERR* [N9 Loop repeats __ERRNUM__[TNSR-30] times]
MTX**__ERRMESG__[TNSR-32]
SLN**MIXED*n*A*1*EA
SI*TI*TN*__NSTN__[TNSR-29] [SI Segment repeats __QNSNUM__[TNSR-28] times]

CTT*Number of POC Segments
SE*No of Segments*TRAN SET CONTROL #

# 9.6 DATA DICTIONARY

## 9.6.1 850 Telephone Number Availability Query (850TNAQ)

**Functional Group ID=PO**

### Introduction:

The 850TNAQ will be used by the Co-Provider to initiate a TN Availability Query to Qwest.

This implementation guideline is based on the following:
1. ANSI ASC X12 Version 4020

### Notes:

This 850 Transaction includes the mappings for Telephone Number Availability Query.

### Heading:

| | Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|---|---|---|---|---|---|---|
| M | 0100 | ST | Transaction Set Header | M | 1 | | |
| M | 0200 | BEG | Beginning Segment for Purchase Order | M | 1 | | |
| | 0500 | REF | Reference Identification | O | >1 | | |
| | 1500 | DTM | Date/Time Reference | O | 10 | | |
| | 1850 | SI | Service Characteristic Identification | O | >1 | | |
| | | | LOOP ID - N1 | | | 200 | |
| | 3100 | N1 | Name | O | 1 | | |
| | | | LOOP ID - N1 | | | 200 | |
| | 3100 | N1 | Name | O | 1 | | |

### Detail:

| | Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|---|---|---|---|---|---|---|
| | | | LOOP ID - PO1 | | | 100000 | |
| M | 0100 | PO1 | Baseline Item Data - Telephone Number Availability Query | M | 1 | | n1 |
| | 0180 | SI | Service Characteristic Identification | O | >1 | | |
| | | | LOOP ID - PID | | | 1000 | |
| | 0500 | PID | Product/Item Description | O | 1 | | |
| | | | LOOP ID - QTY | | | >1 | |
| | 2930 | QTY | Quantity | 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 | | |

## Summary:

| | Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|---|---|---|---|---|---|---|
| | | | LOOP ID - CTT | | | 1 | |
| | 0100 | CTT | Transaction Totals | O | 1 | | n2 |
| M | 0300 | SE | Transaction Set Trailer | M | 1 | | |

## Transaction Set Notes

**1.** PO102 is required.

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

**Segment:** **ST** **Transaction Set Header**
**Position:** 0100
**Loop:**
**Level:** Heading
**Usage:** Mandatory
**Max Use:** 1
**Purpose:** To indicate the start of a transaction set and to assign a control number
**Syntax Notes:**
**Semantic Notes:**
**1** The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
**2** The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition.
**Comments:**
**Notes:** ST*850*TRAN SET CONTROL #

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **ST01** | **143** | **Transaction Set Identifier Code**<br>Code uniquely identifying a Transaction Set<br>850 Purchase Order | **M** | **ID 3/3** |
| **M** | **ST02** | **329** | **Transaction Set Control Number**<br>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*28*IN*TXNUM(TNAQ-2)**PO Date (See Trading Partner Access Information)

**Data Element Summary**

| | Ref. Des. Attributes | Data Element | Name | | |
|---|---|---|---|---|---|
| **M** | **BEG01** | **353** | **Transaction Set Purpose Code**<br>Code identifying purpose of transaction set<br>28 Query | **M** | **ID 2/2** |
| **M** | **BEG02** | **92** | **Purchase Order Type Code**<br>Code specifying the type of Purchase Order<br>IN Information Copy | **M** | **ID 2/2** |
| **M** | **BEG03** | **324** | **Purchase Order Number**<br>Identifying number for Purchase Order assigned by the orderer/purchaser<br>TXNUM(TNAQ-2) = Transaction Number | **M** | **AN 1/22** |
| **M** | **BEG05** | **373** | **Date**<br>Date expressed as CCYYMMDD<br>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*PO*PON(TNAQ-8)

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | |
|---|---|---|---|---|---|
| | Attributes | | | | |
| **M** | **REF01** | **128** | **Reference Identification Qualifier** | **M** | **ID 2/3** |
| | | | Code qualifying the Reference Identification<br>PO Purchase Order 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<br>PON(TNAQ-8) = Purchase Order Number | | |

**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*097*D/ TSENT{CCYYMMDD}(TNAQ-3)*D/TSENT{HHMM}(TNAQ-3)

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **DTM01** | **374** | **Date/Time Qualifier**<br>Code specifying type of date or time, or both date and time<br>097 Transaction Creation | **M** | **ID 3/3** |
| | **DTM02** | **373** | **Date**<br>Date expressed as CCYYMMDD<br>D/TSENT(TNAQ-3) = Date Sent | **X** | **DT 8/8** |
| | **DTM03** | **337** | **Time**<br>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)<br>D/TSENT{HHMM}(TNAQ-3) = Time Sent | **X** | **TM 4/8** |

**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*IR*TXACT(TNAQ-5)*IQ*TXTYP(TNAQ-4)

**Data Element Summary**

| Ref. Des. Attributes | Data Element | Name | | |
|---|---|---|---|---|
| **M** **SI01** | **559** | **Agency Qualifier Code**<br>Code identifying the agency assigning the code values<br>TI Telecommunications Industry | **M** | **ID 2/2** |
| **M** **SI02** | **1000** | **Service Characteristics Qualifier**<br>Code from an industry code list qualifying the type of service characteristics<br>IR Transaction Activity | **M** | **AN 2/2** |
| **M** **SI03** | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>TXACT(TNAQ-5) = Transaction Acitivity | **M** | **AN 1/48** |
| **SI04** | **1000** | **Service Characteristics Qualifier**<br>Code from an industry code list qualifying the type of service characteristics<br>IQ Inquiry Type | **X** | **AN 2/2** |
| **SI05** | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>TXTYP(TNAQ-4) = Transaction Type | **X** | **AN 1/48** |

**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(TNAQ-1)

**Data Element Summary**

| | Ref. Des. Attributes | Data Element | Name | | |
|---|---|---|---|---|---|
| **M** | **N101** | **98** | **Entity Identifier Code**<br>Code identifying an organizational entity, a physical location, property or an individual<br>78 Service Requester | **M** | **ID 2/3** |
| | **N102** | **93** | **Name**<br>Free-form name<br>CCNA(TNAQ-1) = Customer Carrier Name Abbreviation | **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*BY**25*CC(TNAQ-6)

**Data Element Summary**

| | Ref. Des. Attributes | Data Element | Name | | |
|---|---|---|---|---|---|
| **M** | **N101** | **98** | **Entity Identifier Code**<br>Code identifying an organizational entity, a physical location, property or an individual<br>BY Buying Party (Purchaser) | **M** | **ID 2/3** |
| | **N103** | **66** | **Identification Code Qualifier**<br>Code designating the system/method of code structure used for Identification Code (67)<br>25 Carrier's Customer Code | **X** | **ID 1/2** |
| | **N104** | **67** | **Identification Code**<br>Code identifying a party or other code<br>CC(TNAQ-6) = Company Code | **X** | **AN 2/80** |

**Segment:** **PO1** **Baseline Item Data - Telephone Number Availability Query**
**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*TNAQ

**Data Element Summary**

| Ref. Des. | Data Element | Name | Attributes | | |
|---|---|---|---|---|---|
| **PO101** | **350** | **Assigned Identification**<br>Alphanumeric characters assigned for differentiation within a transaction set<br>"n" = nth assigned ID within PO1 loop | **O** | **AN 1/20** |
| **PO102** | **330** | **Quantity Ordered**<br>Quantity ordered<br>1 Always One | **X** | **R 1/15** |
| **PO103** | **355** | **Unit or Basis for Measurement Code**<br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken<br>EA Each | **O** | **ID 2/2** |
| **PO106** | **235** | **Product/Service ID Qualifier**<br>Code identifying the type/source of the descriptive number used in Product/Service ID (234)<br>ZZ Mutually Defined | **X** | **ID 2/2** |
| **PO107** | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>"TNAQ" | **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*SS*SCATEG(TNAQ-37)*IC*SITEID(TNAQ-38)*LO*TTA(TNAQ-39)*NP*NPA(TNAQ-42)*LX*NXX(TNAQ-42a)*T0*TNTYPE(TNAQ-43)
SI*TI*NB*NTNUM(TNAQ-42b)*RQ*ECATEG(TNAQ-44c)*ZZ*EWORD(TNAQ-44d)*Z9*EJUST(TNAQ-44e)

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | |
|---|---|---|---|---|---|
| | **Attributes** | | | | |
| **M** | **SI01** | **559** | **Agency Qualifier Code** | **M** | **ID 2/2** |
| | | | Code identifying the agency assigning the code values<br>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<br>NB Nearby Telephone Number<br>SS Service Sub-category | | |
| **M** | **SI03** | **234** | **Product/Service ID** | **M** | **AN 1/48** |
| | | | Identifying number for a product or service<br>SCATEG(TNAQ-37) = Search Category<br>NTNYM(TNAQ-42b) = Nearby Telephone Number | | |
| | **SI04** | **1000** | **Service Characteristics Qualifier** | **X** | **AN 2/2** |
| | | | Code from an industry code list qualifying the type of service characteristics<br>IC Interexchange Carrier Serving Office<br>RQ Requested Number | | |
| | **SI05** | **234** | **Product/Service ID** | **X** | **AN 1/48** |
| | | | Identifying number for a product or service<br>SITEID(TNAQ-38) = Site ID<br>ECATEG(TNAQ-44c) = Easy Number Category | | |
| | **SI06** | **1000** | **Service Characteristics Qualifier** | **X** | **AN 2/2** |
| | | | Code from an industry code list qualifying the type of service characteristics | | |

| | | | | | |
|---|---|---|---|---|---|
| | | LO | Local Exchange Carrier Serving Office | | |
| | | ZZ | Mutually Defined | | |
| **SI07** | **234** | **Product/Service ID** | | **X** | **AN 1/48** |
| | | Identifying number for a product or service | | | |
| | | TTA(TNAQ-39) = Traffic Terminating Area<br>EWORD(TNAQ-44d) = Easy Word to Find | | | |
| **SI08** | **1000** | **Service Characteristics Qualifier** | | **X** | **AN 2/2** |
| | | Code from an industry code list qualifying the type of service characteristics | | | |
| | | NP | North America Numbering Plan (NANP) | | |
| | | Z9 | Mutually Defined | | |
| **SI09** | **234** | **Product/Service ID** | | **X** | **AN 1/48** |
| | | Identifying number for a product or service | | | |
| | | NPA(TNAQ-42) = Preferred NPA<br>EJUST(TNAQ-44e) = Easy Word Justification | | | |
| **SI10** | **1000** | **Service Characteristics Qualifier** | | **X** | **AN 2/2** |
| | | Code from an industry code list qualifying the type of service characteristics | | | |
| | | LX | Local Exchange | | |
| **SI11** | **234** | **Product/Service ID** | | **X** | **AN 1/48** |
| | | Identifying number for a product or service | | | |
| | | NXX(TNAQ-42a) = Preferred NXX | | | |
| **SI12** | **1000** | **Service Characteristics Qualifier** | | **X** | **AN 2/2** |
| | | Code from an industry code list qualifying the type of service characteristics | | | |
| | | T0 | Telephone Number Type | | |
| **SI13** | **234** | **Product/Service ID** | | **X** | **AN 1/48** |
| | | Identifying number for a product or service | | | |
| | | TNTYPE(TNAQ-43) = Telephone Number Type | | | |

**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*CBLK***SO-RSQ*CBLOCK(TNAQ-44a)
PID*S**TI*ENUM***SO-RSQ*EASNUM(TNAQ-44b)

**Data Element Summary**

| Ref. Des. Attributes | Data Element | Name | | |
|---|---|---|---|---|
| **M** **PID01** | **349** | **Item Description Type**<br>Code indicating the format of a description<br>S Structured (From Industry Code List) | **M** | **ID 1/1** |
| **PID03** | **559** | **Agency Qualifier Code**<br>Code identifying the agency assigning the code values<br>TI Telecommunications Industry | **X** | **ID 2/2** |
| **PID04** | **751** | **Product Description Code**<br>A code from an industry code list which provides specific data about a product characteristic<br>CBLK Consecutive Block<br>ENUM Easy Numbers | **X** | **AN 1/12** |
| **PID07** | **822** | **Source Subqualifier**<br>A reference that indicates the table or text maintained by the Source Qualifier<br>SO-RSQ Service Order - Reseller Questions list | **O** | **AN 1/15** |
| **PID08** | **1073** | **Yes/No Condition or Response Code**<br>Code indicating a Yes or No condition or response<br>CBLOCK(TNAQ-44a) = Consecutive Block<br>EASNUM(TNAQ-44b) = Easy Numbers | **O** | **ID 1/1** |

**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*B3*QNR(TNAQ-44)*EA

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **QTY01** | **673** | **Quantity Qualifier**<br>Code specifying the type of quantity<br>B3 Requested Amount | **M** | **ID 2/2** |
| | **QTY02** | **380** | **Quantity**<br>Numeric value of quantity<br>QNR(TNAQ-44) = Quantity of Numbers Requested | **X** | **R 1/15** |
| | **QTY03** | **C001** | **Composite Unit of Measure**<br>To identify a composite unit of measure (See Figures Appendix for examples of use) | **O** | |
| **M** | **C00101** | **355** | **Unit or Basis for Measurement Code**<br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken<br>EA Each | **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*IT*ADDRESS

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **N101** | **98** | **Entity Identifier Code**<br>Code identifying an organizational entity, a physical location, property or an individual<br>IT Installation on Site | **M** | **ID 2/3** |
| | **N102** | **93** | **Name**<br>Free-form name<br>"ADDRESS" | **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(TNAQ-33)*ZIP(TNAQ-34)**RJ*CALA(TNAQ-35)

**Data Element Summary**

| Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|
| **N402** | **156** | **State or Province Code**<br>Code (Standard State/Province) as defined by appropriate government agency<br>STATE(TNAQ-33) = State/Province | **X** | **ID 2/2** |
| **N403** | **116** | **Postal Code**<br>Code defining international postal zone code excluding punctuation and blanks (zip code for United States)<br>ZIP(TNAQ-34) = ZIP/Postal Code | **O** | **ID 3/15** |
| **N405** | **309** | **Location Qualifier**<br>Code identifying type of location<br>RJ Region | **X** | **ID 1/2** |
| **N406** | **310** | **Location Identifier**<br>Code which identifies a specific location<br>CALA(TNAQ-35) = Customer Address Location Area | **O** | **AN 1/30** |

**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(TNAQ-13)
NX2*02*SASN(TNAQ-16)
NX2*03*SASD(TNAQ-15)
NX2*05*BOX(TNAQ-30)
NX2*06*ROUTE(TNAQ-29)
NX2*07*CITY(TNAQ-32)
NX2*39*AHN(TNAQ-28)
NX2*40*SASS(TNAQ-18)
NX2*59*SAPR(TNAQ-12)
NX2*61*SASF(TNAQ-14)
NX2*62*SATH(TNAQ-17)
NX2*LD1(TNAQ-22)*LV1(TNAQ-23)
NX2*LD2(TNAQ-24)*LV2(TNAQ-25)
NX2*LD3(TNAQ-26)*LV3(TNAQ-27)

**Data Element Summary**

| | Ref. Des. Attributes | Data Element | Name | | |
|---|---|---|---|---|---|
| **M** | **NX201** | **1106** | **Address Component Qualifier** | **M** | **ID 2/2** |

Code qualifying the type of address component

LD1(TNAQ-22) = Location Designator 1
13 = (DWS : APT)
34 = (DWS : LOT)
35 = (DWS : RM)
36 = (DWS : SLIP)
37 = (DWS : UNIT)
14 = (DWS : SUIT)

LD2(TNAQ-24) = Location Designator 2
32 = (DWS : FLR)

LD3(TNAQ-26) = Location Designator 3
12 = (DWS : BLDG)
63 = (DWS : WNG)
30 = (DWS : PIER)

| | |
|---|---|
| 01 | Street Number |
| 02 | Street Name |
| 03 | Prefix Direction |
| 05 | P.O. Box Number |
| 06 | Rural Route Number |
| 07 | City Name |
| 12 | Building Name |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 13 | Apartment Number | | |
| | | | 14 | Suite Number | | |
| | | | 30 | Pier<br>The pier at which a ship or boat is docked | | |
| | | | 32 | Floor<br>A particular floor or level of a building | | |
| | | | 34 | Lot<br>A particular lot or piece of land | | |
| | | | 35 | Room<br>A walled room or partitioned area of a building | | |
| | | | 36 | Slip<br>The slip or location on a pier at which a ship or boat is docked | | |
| | | | 37 | Unit<br>A unit or separate structure | | |
| | | | 39 | Unstructured Property | | |
| | | | 40 | Street Suffix | | |
| | | | 59 | Street Number Low | | |
| | | | 61 | Street Number Fraction | | |
| | | | 62 | Street Name Suffix | | |
| | | | 63 | Secondary Unit Identifier | | |
| **M** | **NX202** | **166** | **Address Information**<br>Address information<br>SANO(TNAQ-13) = Service Address Number<br>SASN(TNAQ-16) = Service Address Street Name<br>SASD(TNAQ-15) = Service Address Street Directional Prefix<br>BOX(TNAQ-30) = Box Number<br>ROUTE(TNAQ-29) = Rural Route<br>CITY(TNAQ-32) = City<br>AHN(TNAQ-28) = Assigned House Number<br>SASS(TNAQ-18) = Service Address Street Directional Suffix<br>SAPR(TNAQ-12) = Service Address Number Prefix<br>SASF(TNAQ-14) = Service Address Number Suffix<br>SATH(TNAQ-17) = Service Address Street Type<br>LV1(TNAQ-23) = Location Value 1<br>LV2(TNAQ-25) = Location Value 2<br>LV3(TNAQ-27) = Location Value 3 | | **M** | **AN 1/55** |

**Segment:** **SI** **Service Characteristic Identification**
**Position:** 4050
**Loop:** N1 Optional
**Level:** Detail
**Usage:** Optional
**Max Use:** >1
**Purpose:** To specify service characteristic data
**Syntax Notes:**
**1** If either SI04 or SI05 is present, then the other is required.
**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(TNAQ-11

**Data Element Summary**

| Ref. Des. Attributes | Data Element | Name | | |
|---|---|---|---|---|
| **M** **SI01** | **559** | **Agency Qualifier Code**<br>Code identifying the agency assigning the code values<br>TI Telecommunications Industry | **M** | **ID 2/2** |
| **M** **SI02** | **1000** | **Service Characteristics Qualifier**<br>Code from an industry code list qualifying the type of service characteristics<br>AF Address Format Type | **M** | **AN 2/2** |
| **M** **SI03** | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>AFT(TNAQ-11) = Address Format Type | **M** | **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**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **CTT01** | **354** | **Number of Line Items**<br>Total number of line items in the transaction set | **M** | **N0 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*No of Segments*TRAN SET CONTROL #

**Data Element Summary**

| | Ref. Des. Attributes | Data Element | Name | | |
|---|---|---|---|---|---|
| **M** | **SE01** | **96** | **Number of Included Segments**<br>Total number of segments included in a transaction set including ST and SE segments | **M** | **N0 1/10** |
| **M** | **SE02** | **329** | **Transaction Set Control Number**<br>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** |

## 9.6.2 855 Telephone Number Availability Response (855TNAR)

**Functional Group ID=PR**

### Introduction:

The 855TNAR will be used by Qwest to respond to a TN Availability Query from a Co-Provider.

This implementation guideline is based upon the following:
1. ANSI ASC X12 Version 4020

### Notes:

This 855 Transaction includes the mappings for Telephone Number Availability Response.

### Heading:

| | Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|---|---|---|---|---|---|---|
| M | 0100 | ST | Transaction Set Header | M | 1 | | |
| M | 0200 | BAK | Beginning Segment for Purchase Order Acknowledgment | M | 1 | | |
| | 0500 | REF | Reference Identification | O | >1 | | |
| | 1500 | DTM | Date/Time Reference | O | 10 | | |
| | 1850 | SI | Service Characteristic Identification | O | >1 | | |
| | | | LOOP ID - N1 | | | 200 | |
| | 3000 | N1 | Name | O | 1 | | |
| | | | LOOP ID - N1 | | | 200 | |
| | 3000 | N1 | Name | O | 1 | | |

### Detail:

| | Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|---|---|---|---|---|---|---|
| | | | LOOP ID - PO1 | | | 100000 | |
| | 0100 | PO1 | Baseline Item Data - BAD | O | 1 | | n1 |
| | 0180 | SI | Service Characteristic Identification | O | >1 | | |
| | | | LOOP ID - ACK | | | 104 | |
| | 2700 | ACK | Line Item Acknowledgment | O | 1 | | |
| | | | LOOP ID - QTY | | | >1 | |
| | 3000 | QTY | Quantity | O | 1 | | |
| | | | LOOP ID - N9 | | | 1000 | |
| | 3500 | N9 | Reference Identification | O | 1 | | |
| | 3600 | MTX | Text | O | >1 | | |
| | | | LOOP ID - PO1 | | | 100000 | |
| | 0100 | PO1 | Baseline Item Data - GOOD | O | 1 | | n2 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 0180 | SI | Service Characteristic Identification | O | >1 | | | |
| | | | LOOP ID - ACK | | | 104 | | |
| | 2700 | ACK | Line Item Acknowledgment | O | 1 | | | |
| | | | LOOP ID - QTY | | | >1 | | |
| | 3000 | QTY | Quantity | O | 1 | | | |
| | | | LOOP ID - SLN | | | >1 | | |
| | 4900 | SLN | Subline Item Detail | O | 1 | | | |
| | 5000 | SI | Service Characteristic Identification | O | >1 | | | |
| | | | LOOP ID - PO1 | | | 100000 | | |
| | 0100 | PO1 | Baseline Item Data - MIXED | O | 1 | | n3 | |
| | 0180 | SI | Service Characteristic Identification | O | >1 | | | |
| | | | LOOP ID - ACK | | | 104 | | |
| | 2700 | ACK | Line Item Acknowledgment | O | 1 | | | |
| | | | LOOP ID - QTY | | | >1 | | |
| | 3000 | QTY | Quantity | O | 1 | | | |
| | | | LOOP ID - QTY | | | >1 | | |
| | 3000 | QTY | Quantity | O | 1 | | | |
| | | | LOOP ID - N9 | | | 1000 | | |
| | 3500 | N9 | Reference Identification | O | 1 | | | |
| | 3600 | MTX | Text | O | >1 | | | |
| | | | LOOP ID - SLN | | | >1 | | |
| | 4900 | SLN | Subline Item Detail | O | 1 | | | |
| | 5000 | SI | Service Characteristic Identification | O | >1 | | | |

## Summary:

| | Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|---|---|---|---|---|---|---|
| | | | LOOP ID - CTT | | | 1 | |
| | 0100 | CTT | Transaction Totals | O | 1 | | n4 |
| M | 0300 | SE | Transaction Set Trailer | M | 1 | | |

## Transaction Set Notes

**1.** PO102 is required.
**2.** PO102 is required.
**3.** PO102 is required.
**4.** 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*855*TRAN SET CONTROL #

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **ST01** | **143** | **Transaction Set Identifier Code**<br>Code uniquely identifying a Transaction Set<br>855 Purchase Order Acknowledgment | **M** | **ID 3/3** |
| **M** | **ST02** | **329** | **Transaction Set Control Number**<br>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:** **BAK** **Beginning Segment for Purchase Order Acknowledgment**
**Position:** 0200
**Loop:**
**Level:** Heading
**Usage:** Mandatory
**Max Use:** 1
**Purpose:** To indicate the beginning of the Purchase Order Acknowledgment Transaction Set and transmit identifying numbers and dates
**Syntax Notes:**
**Semantic Notes:**
**1** BAK04 is the date assigned by the purchaser to purchase order.
**2** BAK08 is the seller's order number.
**3** BAK09 is the date assigned by the sender to the acknowledgment.
**Comments:**
**Notes:** BAK*11*AT*TXNUM(TNAR-2)*PO Date (See Trading Partner Access Information)

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **BAK01** | **353** | **Transaction Set Purpose Code**<br>Code identifying purpose of transaction set<br>11 Response | **M** | **ID 2/2** |
| **M** | **BAK02** | **587** | **Acknowledgment Type**<br>Code specifying the type of acknowledgment<br>AT Accepted | **M** | **ID 2/2** |
| **M** | **BAK03** | **324** | **Purchase Order Number**<br>Identifying number for Purchase Order assigned by the orderer/purchaser<br>TXNUM(TNAR-2) = Transaction Number | **M** | **AN 1/22** |
| **M** | **BAK04** | **373** | **Date**<br>Date expressed as CCYYMMDD<br>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*PO*PON(TNAR-6)

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **REF01** | **128** | **Reference Identification Qualifier**<br>Code qualifying the Reference Identification<br>PO Purchase Order Number | **M** | **ID 2/3** |
| | **REF02** | **127** | **Reference Identification**<br>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier<br>PON(TNAR-6) = Purchase Order Number | **X** | **AN 1/30** |

**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*097*D/TSENT{CCYYMMDD}(TNAR-3)*D/TSENT{HHMM}(TNAR-3)

**Data Element Summary**

| | Ref. Des. Attributes | Data Element | Name | | |
|---|---|---|---|---|---|
| **M** | **DTM01** | **374** | **Date/Time Qualifier**<br>Code specifying type of date or time, or both date and time<br>097 Transaction Creation | **M** | **ID 3/3** |
| | **DTM02** | **373** | **Date**<br>Date expressed as CCYYMMDD<br>D/TSENT(TNAR-3) = Date Sent | **X** | **DT 8/8** |
| | **DTM03** | **337** | **Time**<br>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)<br>D/TSENT{HHMM}(TNAR-3) = Time Sent | **X** | **TM 4/8** |

**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*IR*TXACT(TNAR-5)*IQ*TXTYP(TNAR-4)

**Data Element Summary**

| Attributes | Ref. Des. | Data Element | Name | | |
|---|---|---|---|---|---|
| **M** | **SI01** | **559** | **Agency Qualifier Code**<br>Code identifying the agency assigning the code values<br>TI Telecommunications Industry | **M** | **ID 2/2** |
| **M** | **SI02** | **1000** | **Service Characteristics Qualifier**<br>Code from an industry code list qualifying the type of service characteristics<br>IR Transaction Activity | **M** | **AN 2/2** |
| **M** | **SI03** | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>TXACT(TNAR-5) = Transaction Activity | **M** | **AN 1/48** |
| | **SI04** | **1000** | **Service Characteristics Qualifier**<br>Code from an industry code list qualifying the type of service characteristics<br>IQ Inquiry Type | **X** | **AN 2/2** |
| | **SI05** | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>TXTYP(TNAR-4) = Transaction Type | **X** | **AN 1/48** |

**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(TNAR-1)

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | |
|---|---|---|---|---|---|
| | **Attributes** | | | | |
| **M** | **N101** | **98** | **Entity Identifier Code**<br>Code identifying an organizational entity, a physical location, property or an individual<br>78 Service Requester | **M** | **ID 2/3** |
| | **N102** | **93** | **Name**<br>Free-form name<br>CCNA(TNAR-1) Customer Carrier Name Abbreviation | **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*BY**25*CC(TNAR-8)

**Data Element Summary**

| | Ref. Des. Attributes | Data Element | Name | | |
|---|---|---|---|---|---|
| **M** | **N101** | **98** | **Entity Identifier Code**<br>Code identifying an organizational entity, a physical location, property or an individual<br>BY Buying Party (Purchaser) | **M** | **ID 2/3** |
| | **N103** | **66** | **Identification Code Qualifier**<br>Code designating the system/method of code structure used for Identification Code (67)<br>25 Carrier's Customer Code | **X** | **ID 1/2** |
| | **N104** | **67** | **Identification Code**<br>Code identifying a party or other code<br>CC(TNAR-8) = Company Code | **X** | **AN 2/80** |

**Segment:** **PO1** **Baseline Item Data - BAD**
**Position:** 0100
**Loop:** PO1 Optional
**Level:** Detail
**Usage:** Optional
**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*BAD [PO1 Loop will be used if RESPONSE(TNAR-7) = "B"]

**Data Element Summary**

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

**Segment:** **SI** **Service Characteristic Identification**
**Position:** 0180
**Loop:** PO1 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*SS*SCATEG(TNAR-13)*IC*SITEID(TNAR-14)*LO*TTA(TNAR-15)*RQ*REQNUM(TNAR-16)*T0*TNTYPE(TNAR-18)

**Data Element Summary**

| | Ref. Des. Attributes | Data Element | Name | | |
|---|---|---|---|---|---|
| **M** | **SI01** | **559** | **Agency Qualifier Code**<br>Code identifying the agency assigning the code values<br>TI Telecommunications Industry | **M** | **ID 2/2** |
| **M** | **SI02** | **1000** | **Service Characteristics Qualifier**<br>Code from an industry code list qualifying the type of service characteristics<br>SS Service Sub-Category | **M** | **AN 2/2** |
| **M** | **SI03** | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>SCATEG(TNAR-13) = Search Category | **M** | **AN 1/48** |
| | **SI04** | **1000** | **Service Characteristics Qualifier**<br>Code from an industry code list qualifying the type of service characteristics<br>IC Interexchange Carrier Serving Office | **X** | **AN 2/2** |
| | **SI05** | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>SITEID(TNAR-14) = Site ID | **X** | **AN 1/48** |
| | **SI06** | **1000** | **Service Characteristics Qualifier**<br>Code from an industry code list qualifying the type of service characteristics<br>LO Local Exchange Carrier Serving Office | **X** | **AN 2/2** |
| | **SI07** | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>TTA(TNAR-15) = Traffic Terminating Area | **X** | **AN 1/48** |
| | **SI08** | **1000** | **Service Characteristics Qualifier** | **X** | **AN 2/2** |

| | | | | |
|---|---|---|---|---|
| | | Code from an industry code list qualifying the type of service characteristics<br>RQ Requested Number | | |
| **SI09** | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>REQNUM(TNAR-16) = Requested Number | **X** | **AN 1/48** |
| **SI10** | **1000** | **Service Characteristics Qualifier**<br>Code from an industry code list qualifying the type of service characteristics<br>T0 Telephone Number Type | **X** | **AN 2/2** |
| **SI11** | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>TNTYPE(TNAR-18) = Telephone Number Type | **X** | **AN 1/48** |

**Segment:** **ACK** **Line Item Acknowledgment**
**Position:** 2700
**Loop:** ACK Optional
**Level:** Detail
**Usage:** Optional
**Max Use:** 1
**Purpose:** To acknowledge the ordered quantities and specify the ready date for a specific line item
**Syntax Notes:**
**1** If either ACK02 or ACK03 is present, then the other is required.
**2** If ACK04 is present, then ACK05 is required.
**3** If either ACK07 or ACK08 is present, then the other is required.
**4** If either ACK09 or ACK10 is present, then the other is required.
**5** If either ACK11 or ACK12 is present, then the other is required.
**6** If either ACK13 or ACK14 is present, then the other is required.
**7** If either ACK15 or ACK16 is present, then the other is required.
**8** If either ACK17 or ACK18 is present, then the other is required.
**9** If either ACK19 or ACK20 is present, then the other is required.
**10** If either ACK21 or ACK22 is present, then the other is required.
**11** If either ACK23 or ACK24 is present, then the other is required.
**12** If either ACK25 or ACK26 is present, then the other is required.
**13** If either ACK27 or ACK28 is present, then the other is required.
**14** If ACK28 is present, then both ACK27 and ACK29 are required.
**Semantic Notes:**
**1** ACK29 Industry Reason Code may be used to identify the item status. In addition, it may be used in conjunction with ACK01 to further clarify the status.
**Comments:**
**Notes:** ACK*IR**********TI*TELEPHONE*RESPONSE(TNAR-7)

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | |
|---|---|---|---|---|---|
| | Attributes | | | | |
| **M** | **ACK01** | **668** | **Line Item Status Code** | **M** | **ID 2/2** |
| | | | Code specifying the action taken by the seller on a line item requested by the buyer | | |
| | | | IR Item Rejected | | |
| | **ACK27** | **559** | **Agency Qualifier Code** | **X** | **ID 2/2** |
| | | | Code identifying the agency assigning the code values | | |
| | | | TI Telecommunications Industry | | |
| | **ACK28** | **822** | **Source Subqualifier** | **X** | **AN 1/15** |
| | | | A reference that indicates the table or text maintained by the Source Qualifier | | |
| | | | "TELEPHONE" | | |
| | **ACK29** | **1271** | **Industry Code** | **X** | **AN 1/30** |
| | | | Code indicating a code from a specific industry code list | | |
| | | | RESPONSE(TNAR-7) = Response | | |

**Segment:** **QTY** **Quantity**
**Position:** 3000
**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*03*ERRNUM(TNAR-21)*EA

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **QTY01** | **673** | **Quantity Qualifier**<br>Code specifying the type of quantity<br>03 Discreet Quantity - Rejected Material | **M** | **ID 2/2** |
| | **QTY02** | **380** | **Quantity**<br>Numeric value of quantity<br>ERRNUM(TNAR-21) = Number of Errors | **X** | **R 1/15** |
| | **QTY03** | **C001** | **Composite Unit of Measure**<br>To identify a composite unit of measure (See Figures Appendix for examples of use) | **O** | |
| **M** | **C00101** | **355** | **Unit or Basis for Measurement Code**<br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken<br>EA Each | **M** | **ID 2/2** |

**Segment:** **N9** **Reference Identification**
**Position:** 3500
**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*1Q*ERRCODE(TNAR-22)*ERR [N9 Loop repeats ERRNUM(TNAR-21) times]

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **N901** | **128** | **Reference Identification Qualifier**<br>Code qualifying the Reference Identification<br>1Q Error Identification Code<br>Qualifies a single number that describes an error found in application-level data | **M** | **ID 2/3** |
| | **N902** | **127** | **Reference Identification**<br>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier<br>ERRCODE(TNAR-22) = Error Code | **X** | **AN 1/30** |
| | **N903** | **369** | **Free-form Description**<br>Free-form descriptive text<br>"ERR" | **X** | **AN 1/45** |

**Segment:** **MTX** **Text**
**Position:** 3600
**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**ERRMESG(TNAR-23)

**Data Element Summary**

| Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|
| **MTX02** | **1551** | **Message Text**<br>To transmit large volumes of message text<br>ERRMESG(TNAR-23) = Error Message | **X** | **AN 1/4096** |

**Segment:** **PO1** **Baseline Item Data - GOOD**
**Position:** 0100
**Loop:** PO1 Optional
**Level:** Detail
**Usage:** Optional
**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*GOOD [PO1 Loop will be used if RESPONSE(TNAR-7) = "G"]

**Data Element Summary**

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

**Segment:** **SI** **Service Characteristic Identification**
**Position:** 0180
**Loop:** PO1 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*SS*SCATEG(TNAR-13)*IC*SITEID(TNAR-14)*LO*TTA(TNAR-15)*RQ*REQNUM(TNAR-16)*T0*TNTYPE(TNAR-18)

**Data Element Summary**

| | Ref. Des. Attributes | Data Element | Name | | |
|---|---|---|---|---|---|
| **M** | **SI01** | **559** | **Agency Qualifier Code**<br>Code identifying the agency assigning the code values<br>TI Telecommunications Industry | **M** | **ID 2/2** |
| **M** | **SI02** | **1000** | **Service Characteristics Qualifier**<br>Code from an industry code list qualifying the type of service characteristics<br>SS Service Sub-category | **M** | **AN 2/2** |
| **M** | **SI03** | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>SCATEG(TNAR-13) = Search Category | **M** | **AN 1/48** |
| | **SI04** | **1000** | **Service Characteristics Qualifier**<br>Code from an industry code list qualifying the type of service characteristics<br>IC Interexchange Carrier Serving Office | **X** | **AN 2/2** |
| | **SI05** | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>SITEID(TNAR-14) = Site ID | **X** | **AN 1/48** |
| | **SI06** | **1000** | **Service Characteristics Qualifier**<br>Code from an industry code list qualifying the type of service characteristics<br>LO Local Exchange Carrier Service Office | **X** | **AN 2/2** |
| | **SI07** | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>TTA(TNAR-15) = Traffic Terminating Area | **X** | **AN 1/48** |
| | **SI08** | **1000** | **Service Characteristics Qualifier** | **X** | **AN 2/2** |

| | | | | |
|---|---|---|---|---|
| | | Code from an industry code list qualifying the type of service characteristics<br>RQ Requested Number | | |
| **SI09** | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>REQNUM(TNAR-16) = Requested Number | **X** | **AN 1/48** |
| **SI10** | **1000** | **Service Characteristics Qualifier**<br>Code from an industry code list qualifying the type of service characteristics<br>T0 Telephone Number Type | **X** | **AN 2/2** |
| **SI11** | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>TNTYPE(TNAR-18) = Telephone Number Type | **X** | **AN 1/48** |

**Segment:** **ACK** **Line Item Acknowledgment**
**Position:** 2700
**Loop:** ACK Optional
**Level:** Detail
**Usage:** Optional
**Max Use:** 1
**Purpose:** To acknowledge the ordered quantities and specify the ready date for a specific line item
**Syntax Notes:**
**1** If either ACK02 or ACK03 is present, then the other is required.
**2** If ACK04 is present, then ACK05 is required.
**3** If either ACK07 or ACK08 is present, then the other is required.
**4** If either ACK09 or ACK10 is present, then the other is required.
**5** If either ACK11 or ACK12 is present, then the other is required.
**6** If either ACK13 or ACK14 is present, then the other is required.
**7** If either ACK15 or ACK16 is present, then the other is required.
**8** If either ACK17 or ACK18 is present, then the other is required.
**9** If either ACK19 or ACK20 is present, then the other is required.
**10** If either ACK21 or ACK22 is present, then the other is required.
**11** If either ACK23 or ACK24 is present, then the other is required.
**12** If either ACK25 or ACK26 is present, then the other is required.
**13** If either ACK27 or ACK28 is present, then the other is required.
**14** If ACK28 is present, then both ACK27 and ACK29 are required.
**Semantic Notes:**
**1** ACK29 Industry Reason Code may be used to identify the item status. In addition, it may be used in conjunction with ACK01 to further clarify the status.
**Comments:**
**Notes:** ACK*IA**********TI*TELEPHONE*RESPONSE(TNAR-7)

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | |
|---|---|---|---|---|---|
| | Attributes | | | | |
| **M** | **ACK01** | **668** | **Line Item Status Code**<br>Code specifying the action taken by the seller on a line item requested by the buyer<br>IA Item Accepted | **M** | **ID 2/2** |
| | **ACK27** | **559** | **Agency Qualifier Code**<br>Code identifying the agency assigning the code values<br>TI Telecommunications Industry | **X** | **ID 2/2** |
| | **ACK28** | **822** | **Source Subqualifier**<br>A reference that indicates the table or text maintained by the Source Qualifier<br>"TELEPHONE" | **X** | **AN 1/15** |
| | **ACK29** | **1271** | **Industry Code**<br>Code indicating a code from a specific industry code list<br>RESPONSE(TNAR-7) = Response | **X** | **AN 1/30** |

**Segment:** **QTY** **Quantity**
**Position:** 3000
**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*SW*TNCOUNT(TNAR-19)*EA

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **QTY01** | **673** | **Quantity Qualifier**<br>Code specifying the type of quantity<br>SW Sample Amount | **M** | **ID 2/2** |
| | **QTY02** | **380** | **Quantity**<br>Numeric value of quantity<br>TNCOUNT(TNAR-19) = Telephone Number Count | **X** | **R 1/15** |
| | **QTY03** | **C001** | **Composite Unit of Measure**<br>To identify a composite unit of measure (See Figures Appendix for examples of use) | **O** | |
| **M** | **C00101** | **355** | **Unit or Basis for Measurement Code**<br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken<br>EA Each | **M** | **ID 2/2** |

**Segment:** **SLN** **Subline Item Detail**
**Position:** 4900
**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*GOOD*n*A*1*EA

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | | |
|---|---|---|---|---|---|---|
| **M** | **SLN01** | **350** | **Assigned Identification**<br>Alphanumeric characters assigned for differentiation within a transaction set<br>"GOOD" | **M** | **AN 1/20** | |
| | **SLN02** | **350** | **Assigned Identification**<br>Alphanumeric characters assigned for differentiation within a transaction set<br>"n" = nth assigned ID with SLN loop | **O** | **AN 1/20** | |
| **M** | **SLN03** | **662** | **Relationship Code**<br>Code indicating the relationship between entities<br>A Add | **M** | **ID 1/1** | |
| | **SLN04** | **380** | **Quantity**<br>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:** 5000
**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*RV*TNRES(TNAR-20) [SI Segment repeats TNCOUNT(TNAR-19) times]

**Data Element Summary**

| Ref. Des. Attributes | Data Element | Name | | |
|---|---|---|---|---|
| **M** **SI01** | **559** | **Agency Qualifier Code**<br>Code identifying the agency assigning the code values<br>TI Telecommunications Industry | **M** | **ID 2/2** |
| **M** **SI02** | **1000** | **Service Characteristics Qualifier**<br>Code from an industry code list qualifying the type of service characteristics<br>RV Reserved Number | **M** | **AN 2/2** |
| **M** **SI03** | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>TNRES(TNAR-20) = Telephone Number Response | **M** | **AN 1/48** |

**Segment:** **PO1** **Baseline Item Data - MIXED**
**Position:** 0100
**Loop:** PO1 Optional
**Level:** Detail
**Usage:** Optional
**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*MIXED [PO1 Loop will be used if RESPONSE(TNAR-7) ="M"]

**Data Element Summary**

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

**Segment:** **SI** **Service Characteristic Identification**
**Position:** 0180
**Loop:** PO1 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*SS*SCATEG(TNAR-13)*IC*SITEID(TNAR-14)*LO*TTA(TNAR-15)*RQ*REQNUM(TNAR-16)*T0*TNTYPE(TNAR-18)

**Data Element Summary**

| | Ref. Des. Attributes | Data Element | Name | | |
|---|---|---|---|---|---|
| **M** | **SI01** | **559** | **Agency Qualifier Code**<br>Code identifying the agency assigning the code values<br>TI Telecommunications Industry | **M** | **ID 2/2** |
| **M** | **SI02** | **1000** | **Service Characteristics Qualifier**<br>Code from an industry code list qualifying the type of service characteristics<br>SS Service Sub-category | **M** | **AN 2/2** |
| **M** | **SI03** | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>SCATEG(TNAR-13) = Search Category | **M** | **AN 1/48** |
| | **SI04** | **1000** | **Service Characteristics Qualifier**<br>Code from an industry code list qualifying the type of service characteristics<br>IC Interexchange Carrier Serving Office | **X** | **AN 2/2** |
| | **SI05** | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>SITEID(TNAR-14) = Site ID | **X** | **AN 1/48** |
| | **SI06** | **1000** | **Service Characteristics Qualifier**<br>Code from an industry code list qualifying the type of service characteristics<br>LO Local Exchange Carrier Serving Office | **X** | **AN 2/2** |
| | **SI07** | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>TTA(TNAR-15) = Traffic Terminating Area | **X** | **AN 1/48** |
| | **SI08** | **1000** | **Service Characteristics Qualifier** | **X** | **AN 2/2** |

| | | | | |
|---|---|---|---|---|
| | | Code from an industry code list qualifying the type of service characteristics<br>RQ Requested Number | | |
| **SI09** | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>REQNUM(TNAR-16) = Requested Number | **X** | **AN 1/48** |
| **SI10** | **1000** | **Service Characteristics Qualifier**<br>Code from an industry code list qualifying the type of service characteristics<br>T0 Telephone Number Type | **X** | **AN 2/2** |
| **SI11** | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>TNTYPE(TNAR-18) = Telephone Number Type | **X** | **AN 1/48** |

**Segment:** **ACK** **Line Item Acknowledgment**
**Position:** 2700
**Loop:** ACK Optional
**Level:** Detail
**Usage:** Optional
**Max Use:** 1
**Purpose:** To acknowledge the ordered quantities and specify the ready date for a specific line item
**Syntax Notes:**
**1** If either ACK02 or ACK03 is present, then the other is required.
**2** If ACK04 is present, then ACK05 is required.
**3** If either ACK07 or ACK08 is present, then the other is required.
**4** If either ACK09 or ACK10 is present, then the other is required.
**5** If either ACK11 or ACK12 is present, then the other is required.
**6** If either ACK13 or ACK14 is present, then the other is required.
**7** If either ACK15 or ACK16 is present, then the other is required.
**8** If either ACK17 or ACK18 is present, then the other is required.
**9** If either ACK19 or ACK20 is present, then the other is required.
**10** If either ACK21 or ACK22 is present, then the other is required.
**11** If either ACK23 or ACK24 is present, then the other is required.
**12** If either ACK25 or ACK26 is present, then the other is required.
**13** If either ACK27 or ACK28 is present, then the other is required.
**14** If ACK28 is present, then both ACK27 and ACK29 are required.
**Semantic Notes:**
**1** ACK29 Industry Reason Code may be used to identify the item status. In addition, it may be used in conjunction with ACK01 to further clarify the status.
**Comments:**
**Notes:** ACK*IA**********TI*TELEPHONE*RESPONSE(TNAR-7)

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **ACK01** | **668** | **Line Item Status Code**<br>Code specifying the action taken by the seller on a line item requested by the buyer<br>IA Item Accepted | **M** | **ID 2/2** |
| | **ACK27** | **559** | **Agency Qualifier Code**<br>Code identifying the agency assigning the code values<br>TI Telecommunications Industry | **X** | **ID 2/2** |
| | **ACK28** | **822** | **Source Subqualifier**<br>A reference that indicates the table or text maintained by the Source Qualifier<br>"TELEPHONE" | **X** | **AN 1/15** |
| | **ACK29** | **1271** | **Industry Code**<br>Code indicating a code from a specific industry code list<br>RESPONE(TNAR-7) = Response | **X** | **AN 1/30** |

**Segment:** **QTY** **Quantity**
**Position:** 3000
**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*SW*TNCOUNT(TNAR-19)*EA

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **QTY01** | **673** | **Quantity Qualifier**<br>Code specifying the type of quantity<br>SW Sample Amount | **M** | **ID 2/2** |
| | **QTY02** | **380** | **Quantity**<br>Numeric value of quantity<br>TNCOUNT(TNAR-19) = Telephone Number Count | **X** | **R 1/15** |
| | **QTY03** | **C001** | **Composite Unit of Measure**<br>To identify a composite unit of measure (See Figures Appendix for examples of use) | **O** | |
| **M** | **C00101** | **355** | **Unit or Basis for Measurement Code**<br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken<br>EA Each | **M** | **ID 2/2** |

**Segment:** **QTY** **Quantity**
**Position:** 3000
**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*03*ERRNUM(TNAR-21)*EA

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **QTY01** | **673** | **Quantity Qualifier**<br>Code specifying the type of quantity<br>03 Discreet Quantity - Rejected Material | **M** | **ID 2/2** |
| | **QTY02** | **380** | **Quantity**<br>Numeric value of quantity<br>ERRNUM(TNAR-21) = Number of Errors | **X** | **R 1/15** |
| | **QTY03** | **C001** | **Composite Unit of Measure**<br>To identify a composite unit of measure (See Figures Appendix for examples of use) | **O** | |
| **M** | **C00101** | **355** | **Unit or Basis for Measurement Code**<br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken<br>EA Each | **M** | **ID 2/2** |

**Segment:** **N9** **Reference Identification**
**Position:** 3500
**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*1Q*ERRCODE(TNAR-22)*ERR [N9 Loop repeats ERRNUM(TNAR-21) times]

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **N901** | **128** | **Reference Identification Qualifier**<br>Code qualifying the Reference Identification<br>1Q Error Identification Code<br>Qualifies a single number that describes an error found in application-level data | **M** | **ID 2/3** |
| | **N902** | **127** | **Reference Identification**<br>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier<br>ERRCODE(TNAR-22) = Error Code | **X** | **AN 1/30** |
| | **N903** | **369** | **Free-form Description**<br>Free-form descriptive text<br>"ERR" | **X** | **AN 1/45** |

**Segment:** **MTX** **Text**
**Position:** 3600
**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**ERRMESG(TNAR-23)

**Data Element Summary**

| Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|
| **MTX02** | **1551** | **Message Text**<br>To transmit large volumes of message text<br>ERRMESG(TNAR-23) = Error Message | **X** | **AN 1/4096** |

**Segment:** **SLN** **Subline Item Detail**
**Position:** 4900
**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*MIXED*n*A*1*EA

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **SLN01** | **350** | **Assigned Identification**<br>Alphanumeric characters assigned for differentiation within a transaction set<br>"MIXED" | **M** | **AN 1/20** |
| | **SLN02** | **350** | **Assigned Identification**<br>Alphanumeric characters assigned for differentiation within a transaction set<br>"n" = nth assigned ID within SLN loop | **O** | **AN 1/20** |
| **M** | **SLN03** | **662** | **Relationship Code**<br>Code indicating the relationship between entities<br>A Add | **M** | **ID 1/1** |
| | **SLN04** | **380** | **Quantity**<br>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:** 5000
**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*RV*TNRES(TNAR-20) [SI Segment repeats TNCOUNT(TNAR-19) times]

**Data Element Summary**

| Ref. Des. Attributes | Data Element | Name | | |
|---|---|---|---|---|
| **M** **SI01** | **559** | **Agency Qualifier Code**<br>Code identifying the agency assigning the code values<br>TI Telecommunications Industry | **M** | **ID 2/2** |
| **M** **SI02** | **1000** | **Service Characteristics Qualifier**<br>Code from an industry code list qualifying the type of service characteristics<br>RV Reserved Number | **M** | **AN 2/2** |
| **M** **SI03** | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>TNRES(TNAR-20) = Telephone Number Response | **M** | **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**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **CTT01** | **354** | **Number of Line Items**<br>Total number of line items in the transaction set | **M** | **N0 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*No of Segments*TRAN SET CONTROL #

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | |
|---|---|---|---|---|---|
| | Attributes | | | | |
| **M** | **SE01** | **96** | **Number of Included Segments**<br>Total number of segments included in a transaction set including ST and SE segments | **M** | **N0 1/10** |
| **M** | **SE02** | **329** | **Transaction Set Control Number**<br>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** |

## 9.6.3 860 Telephone Number Selection Query (860TNSQ)

**Functional Group ID=PC**

### Introduction:

The 860TNSQ will be used by the Co-Provider to initiate a TN Selection Query to Qwest.

This implementation guideline is based on the following:
1. ANSI ASC X12 Version 4020

### Notes:

This 860 Transaction includes the mappings for Telephone Number Selection Query.

### Heading:

| | Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|---|---|---|---|---|---|---|
| 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 | | |
| | 1500 | DTM | Date/Time Reference | O | 10 | | |
| | 1850 | SI | Service Characteristic Identification | O | >1 | | |
| | | | LOOP ID - N1 | | | 200 | |
| | 3000 | N1 | Name | O | 1 | | |
| | | | LOOP ID - N1 | | | 200 | |
| | 3000 | N1 | Name | O | 1 | | |

### Detail:

| | Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|---|---|---|---|---|---|---|
| | | | LOOP ID - POC | | | >1 | |
| | 0100 | POC | Line Item Change | O | 1 | | |
| | 0180 | SI | Service Characteristic Identification | O | >1 | | |
| | 0410 | PAM | Period Amount | O | 10 | | |

### Summary:

| | Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|---|---|---|---|---|---|---|
| | | | 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**

| | Ref. Des. | Data Element | Name | | |
|---|---|---|---|---|---|
| | **Attributes** | | | | |
| **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*28*IN*TXNUM(TNSQ-2)***PO Date (See Trading Partner Access Information)

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | |
|---|---|---|---|---|---|
| | Attributes | | | | |
| **M** | **BCH01** | **353** | **Transaction Set Purpose Code**<br>Code identifying purpose of transaction set<br>28 Query | **M** | **ID 2/2** |
| **M** | **BCH02** | **92** | **Purchase Order Type Code**<br>Code specifying the type of Purchase Order<br>IN Information Copy | **M** | **ID 2/2** |
| **M** | **BCH03** | **324** | **Purchase Order Number**<br>Identifying number for Purchase Order assigned by the orderer/purchaser<br>TXNUM(TNSQ-2) = Transaction Number | **M** | **AN 1/22** |
| **M** | **BCH06** | **373** | **Date**<br>Date expressed as CCYYMMDD<br>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*PO*PON(TNSQ-6)

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | |
|---|---|---|---|---|---|
| | Attributes | | | | |
| **M** | **REF01** | **128** | **Reference Identification Qualifier** | **M** | **ID 2/3** |
| | | | Code qualifying the Reference Identification<br>PO Purchase Order 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<br>PON(TNSQ-6) = Purchase Order Number | | |

**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*097*D/TSENT{CCYYMMDD}(TNSQ-3)*D/TSENT{HHMM}(TNSQ-3)

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **DTM01** | **374** | **Date/Time Qualifier**<br>Code specifying type of date or time, or both date and time<br>097 Transaction Creation | **M** | **ID 3/3** |
| | **DTM02** | **373** | **Date**<br>Date expressed as CCYYMMDD<br>D/TSENT(TNSQ-3) = Date Sent | **X** | **DT 8/8** |
| | **DTM03** | **337** | **Time**<br>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)<br>D/TSENT{HHMM}(TNSQ-3) = Time Sent | **X** | **TM 4/8** |

**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*IR*TXACT(TNSQ-5)*IQ*TXTYP(TNSQ-4)

**Data Element Summary**

| Attributes | Ref. Des. | Data Element | Name | | |
|---|---|---|---|---|---|
| **M** | **SI01** | **559** | **Agency Qualifier Code**<br>Code identifying the agency assigning the code values<br>TI Telecommunications Industry | **M** | **ID 2/2** |
| **M** | **SI02** | **1000** | **Service Characteristics Qualifier**<br>Code from an industry code list qualifying the type of service characteristics<br>IR Transaction Activity | **M** | **AN 2/2** |
| **M** | **SI03** | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>TXACT(TNSQ-5) = Transaction Activity | **M** | **AN 1/48** |
| | **SI04** | **1000** | **Service Characteristics Qualifier**<br>Code from an industry code list qualifying the type of service characteristics<br>IQ Inquiry Type | **X** | **AN 2/2** |
| | **SI05** | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>TXTYP(TNSQ-4) = Transaction Type | **X** | **AN 1/48** |

**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(TNSQ-1)

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | |
|---|---|---|---|---|---|
| | **Attributes** | | | | |
| **M** | **N101** | **98** | **Entity Identifier Code**<br>Code identifying an organizational entity, a physical location, property or an individual<br>78 Service Requester | **M** | **ID 2/3** |
| | **N102** | **93** | **Name**<br>Free-form name<br>CCNA(TNSQ-1) = Customer Carrier Name Abbreviation | **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*BY**25*CC(TNSQ-7)

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | |
|---|---|---|---|---|---|
| | Attributes | | | | |
| **M** | **N101** | **98** | **Entity Identifier Code**<br>Code identifying an organizational entity, a physical location, property or an individual<br>BY Buying Party (Purchaser) | **M** | **ID 2/3** |
| | **N103** | **66** | **Identification Code Qualifier**<br>Code designating the system/method of code structure used for Identification Code (67)<br>25 Carrier's Customer Code | **X** | **ID 1/2** |
| | **N104** | **67** | **Identification Code**<br>Code identifying a party or other code<br>CC(TNSQ-7) = Company Code | **X** | **AN 2/80** |

**Segment:** **POC** **Line Item Change**
**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*TNSQ

**Data Element Summary**

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

**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*RQ*SELNUM(TNSQ-9) [SI Segment repearts SNR(TNSQ-8) times]

**Data Element Summary**

| Ref. Des. Attributes | Data Element | Name | | |
|---|---|---|---|---|
| **M** **SI01** | **559** | **Agency Qualifier Code**<br>Code identifying the agency assigning the code values<br>TI Telecommunications Industry | **M** | **ID 2/2** |
| **M** **SI02** | **1000** | **Service Characteristics Qualifier**<br>Code from an industry code list qualifying the type of service characteristics<br>RQ Requested Number | **M** | **AN 2/2** |
| **M** **SI03** | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>SELNUM(TNSQ-9) = Selected Number | **M** | **AN 1/48** |

**Segment:** **PAM** **Period Amount**
**Position:** 0410
**Loop:** POC Optional
**Level:** Detail
**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*B3*SNR(TNSQ-8)*EA

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| | **PAM01** | **673** | **Quantity Qualifier**<br>Code specifying the type of quantity<br>B3 Requested Amount | **X** | **ID 2/2** |
| | **PAM02** | **380** | **Quantity**<br>Numeric value of quantity<br>SNR(TNSQ-8) = Selected Numbers Returned | **X** | **R 1/15** |
| | **PAM03** | **C001** | **Composite Unit of Measure**<br>To identify a composite unit of measure (See Figures Appendix for examples of use) | **X** | |
| **M** | **C00101** | **355** | **Unit or Basis for Measurement Code**<br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken<br>EA Each | **M** | **ID 2/2** |

**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**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **CTT01** | **354** | **Number of Line Items**<br>Total number of line items in the transaction set | **M** | **N0 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*No of Segments*TRAN SET CONTROL #

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | |
|---|---|---|---|---|---|
| | Attributes | | | | |
| **M** | **SE01** | **96** | **Number of Included Segments**<br>Total number of segments included in a transaction set including ST and SE segments | **M** | **N0 1/10** |
| **M** | **SE02** | **329** | **Transaction Set Control Number**<br>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** |

## 9.6.4 865 Telephone Number Selection Response (865TNSR)

**Functional Group ID=CA**

### Introduction:

The 865TNSR will be used by Qwest to respond to a TN Selection Query from the Co-Provider.

This implementation guideline is based on the following:
1. ANSI ASC X12 Version 4020

### Notes:

This 865 Transaction includes the mappings for Telephone Number Selection Response.

### Heading:

| | Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|---|---|---|---|---|---|---|
| M | 0100 | ST | Transaction Set Header | M | 1 | | |
| M | 0200 | BCA | Beginning Segment for Purchase Order Change Acknowledgment | M | 1 | | |
| | 0500 | REF | Reference Identification | O | >1 | | |
| | 1500 | DTM | Date/Time Reference | O | 10 | | |
| | 1850 | SI | Service Characteristic Identification | O | >1 | | |
| | | | LOOP ID - N1 | | | 200 | |
| | 3000 | N1 | Name | O | 1 | | |
| | | | LOOP ID - N1 | | | 200 | |
| | 3000 | N1 | Name | O | 1 | | |

### Detail:

| | Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|---|---|---|---|---|---|---|
| | | | LOOP ID - POC | | | >1 | |
| | 0100 | POC | Line Item Change - BAD | O | 1 | | |
| | | | LOOP ID - ACK | | | 104 | |
| | 2700 | ACK | Line Item Acknowledgment | O | 1 | | |
| | | | LOOP ID - QTY | | | >1 | |
| | 3020 | QTY | Quantity | O | 1 | | |
| | | | LOOP ID - N9 | | | 1000 | |
| | 3500 | N9 | Reference Identification | O | 1 | | |
| | 3600 | MTX | Text | O | >1 | | |
| | | | LOOP ID - POC | | | >1 | |
| | 0100 | POC | Line Item Change - GOOD | O | 1 | | |
| | | | LOOP ID - ACK | | | 104 | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | 2700 | ACK | Line Item Acknowledgment | O | 1 | | |
| | | | LOOP ID - POC | | | >1 | |
| | 0100 | POC | Line Item Change - MIXED | O | 1 | | |
| | | | LOOP ID - ACK | | | 104 | |
| | 2700 | ACK | Line Item Acknowledgment | O | 1 | | |
| | | | LOOP ID - QTY | | | >1 | |
| | 3020 | QTY | Quantity | O | 1 | | |
| | | | LOOP ID - QTY | | | >1 | |
| | 3020 | QTY | Quantity | O | 1 | | |
| | | | LOOP ID - N9 | | | 1000 | |
| | 3500 | N9 | Reference Identification | O | 1 | | |
| | 3600 | MTX | Text | O | >1 | | |
| | | | LOOP ID - SLN | | | >1 | |
| | 4900 | SLN | Subline Item Detail | O | 1 | | |
| | 5000 | SI | Service Characteristic Identification | O | >1 | | |

## Summary:

| | Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|---|---|---|---|---|---|---|
| | | | 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*865*TRAN SET CONTROL #

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | |
|---|---|---|---|---|---|
| | **Attributes** | | | | |
| **M** | **ST01** | **143** | **Transaction Set Identifier Code**<br>Code uniquely identifying a Transaction Set<br>865 Purchase Order Change Acknowledgment/Request - Seller Initiated | **M** | **ID 3/3** |
| **M** | **ST02** | **329** | **Transaction Set Control Number**<br>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:** **BCA** **Beginning Segment for Purchase Order Change Acknowledgment**
**Position:** 0200
**Loop:**
**Level:** Heading
**Usage:** Mandatory
**Max Use:** 1
**Purpose:** To indicate the beginning of the Purchase Order Change Acknowledgment Transaction Set and transmit identifying numbers and dates
**Syntax Notes:**
**Semantic Notes:**
**1** BCA06 is the date assigned by the purchaser to purchase order.
**2** BCA09 is the seller's order number.
**3** BCA10 is the date assigned by the sender to the acknowledgment.
**4** BCA11 is the date of the purchase order change request.
**5** BCA12 is the order change acknowledgment date.
**Comments:**
**Notes:** BCA*11*AT*TXNUM(TNSR-2)***PO Date (See Trading Partner Access Information)

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **BCA01** | **353** | **Transaction Set Purpose Code**<br>Code identifying purpose of transaction set<br>11 Response | **M** | **ID 2/2** |
| | **BCA02** | **587** | **Acknowledgment Type**<br>Code specifying the type of acknowledgment<br>AT Accepted | **O** | **ID 2/2** |
| **M** | **BCA03** | **324** | **Purchase Order Number**<br>Identifying number for Purchase Order assigned by the orderer/purchaser<br>TXNUM(TNSR-2) = Transaction Number | **M** | **AN 1/22** |
| **M** | **BCA06** | **373** | **Date**<br>Date expressed as CCYYMMDD<br>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*PO*PON(TNSR-6)

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | |
|---|---|---|---|---|---|
| | Attributes | | | | |
| **M** | **REF01** | **128** | **Reference Identification Qualifier** | **M** | **ID 2/3** |
| | | | Code qualifying the Reference Identification<br>PO Purchase Order 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<br>PON(TNSR-6) = Purchase Order Number | | |

**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*097*D/TSENT{CCYYMMDD}(TNSR-3)*D/TSENT{HHMM}(TNSR-3)

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **DTM01** | **374** | **Date/Time Qualifier**<br>Code specifying type of date or time, or both date and time<br>097 Transaction Creation | **M** | **ID 3/3** |
| | **DTM02** | **373** | **Date**<br>Date expressed as CCYYMMDD<br>D/TSENT(TNSR-3) = Date Sent | **X** | **DT 8/8** |
| | **DTM03** | **337** | **Time**<br>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)<br>D/TSENT{HHMM}(TNSR-3) = Time Sent | **X** | **TM 4/8** |

**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*IR*TXACT(TNSR-5)*IQ*TXTYP(TNSR-4)

**Data Element Summary**

| Attributes | Ref. Des. | Data Element | Name | | |
|---|---|---|---|---|---|
| **M** | **SI01** | **559** | **Agency Qualifier Code**<br>Code identifying the agency assigning the code values<br>TI Telecommunications Industry | **M** | **ID 2/2** |
| **M** | **SI02** | **1000** | **Service Characteristics Qualifier**<br>Code from an industry code list qualifying the type of service characteristics<br>IR Transaction Activity | **M** | **AN 2/2** |
| **M** | **SI03** | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>TXACT(TNSR-5) = Transaction Activity | **M** | **AN 1/48** |
| | **SI04** | **1000** | **Service Characteristics Qualifier**<br>Code from an industry code list qualifying the type of service characteristics<br>IQ Inquiry Type | **X** | **AN 2/2** |
| | **SI05** | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>TXTYP(TNSR-4) = Transaction Type | **X** | **AN 1/48** |

**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(TNSR-1)

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | |
|---|---|---|---|---|---|
| | **Attributes** | | | | |
| **M** | **N101** | **98** | **Entity Identifier Code**<br>Code identifying an organizational entity, a physical location, property or an individual<br>78 Service Requester | **M** | **ID 2/3** |
| | **N102** | **93** | **Name**<br>Free-form name<br>CCNA(TNSR-1) = Customer Carrier Name Abbreviation | **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*BY**25*CC(TNSR-8)

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | |
|---|---|---|---|---|---|
| | Attributes | | | | |
| **M** | **N101** | **98** | **Entity Identifier Code**<br>Code identifying an organizational entity, a physical location, property or an individual<br>BY Buying Party (Purchaser) | **M** | **ID 2/3** |
| | **N103** | **66** | **Identification Code Qualifier**<br>Code designating the system/method of code structure used for Identification Code (67)<br>25 Carrier's Customer Code | **X** | **ID 1/2** |
| | **N104** | **67** | **Identification Code**<br>Code identifying a party or other code<br>CC(TNSR-8) = Company Code | **X** | **AN 2/80** |

**Segment:** **POC** **Line Item Change - BAD**
**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*BAD [POC Loop will be used if RESPONSE(TNSR-7) = "B"]

**Data Element Summary**

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

**Segment:** **ACK** **Line Item Acknowledgment**
**Position:** 2700
**Loop:** ACK Optional
**Level:** Detail
**Usage:** Optional
**Max Use:** 1
**Purpose:** To acknowledge the ordered quantities and specify the ready date for a specific line item
**Syntax Notes:**
**1** If either ACK02 or ACK03 is present, then the other is required.
**2** If ACK04 is present, then ACK05 is required.
**3** If either ACK07 or ACK08 is present, then the other is required.
**4** If either ACK09 or ACK10 is present, then the other is required.
**5** If either ACK11 or ACK12 is present, then the other is required.
**6** If either ACK13 or ACK14 is present, then the other is required.
**7** If either ACK15 or ACK16 is present, then the other is required.
**8** If either ACK17 or ACK18 is present, then the other is required.
**9** If either ACK19 or ACK20 is present, then the other is required.
**10** If either ACK21 or ACK22 is present, then the other is required.
**11** If either ACK23 or ACK24 is present, then the other is required.
**12** If either ACK25 or ACK26 is present, then the other is required.
**13** If either ACK27 or ACK28 is present, then the other is required.
**14** If ACK28 is present, then both ACK27 and ACK29 are required.
**Semantic Notes:**
**1** ACK29 Industry Reason Code may be used to identify the item status. In addition, it may be used in conjunction with ACK01 to further clarify the status.
**Comments:**
**Notes:** ACK*IR**********TI*TELEPHONE*RESPONSE(TNSR-7)

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **ACK01** | **668** | **Line Item Status Code**<br>Code specifying the action taken by the seller on a line item requested by the buyer<br>IR Item Rejected | **M** | **ID 2/2** |
| | **ACK27** | **559** | **Agency Qualifier Code**<br>Code identifying the agency assigning the code values<br>TI Telecommunications Industry | **X** | **ID 2/2** |
| | **ACK28** | **822** | **Source Subqualifier**<br>A reference that indicates the table or text maintained by the Source Qualifier<br>"TELEPHONE" | **X** | **AN 1/15** |
| | **ACK29** | **1271** | **Industry Code**<br>Code indicating a code from a specific industry code list<br>RESPONSE(TNSR-7) = Response | **X** | **AN 1/30** |

**Segment:** **QTY** **Quantity**
**Position:** 3020
**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*03*ERRNUM(TNSR-30)*EA

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **QTY01** | **673** | **Quantity Qualifier**<br>Code specifying the type of quantity<br>03 Discreet Quantity - Rejected Material | **M** | **ID 2/2** |
| | **QTY02** | **380** | **Quantity**<br>Numeric value of quantity<br>ERRNUM(TNSR-30) = Number of Errors | **X** | **R 1/15** |
| | **QTY03** | **C001** | **Composite Unit of Measure**<br>To identify a composite unit of measure (See Figures Appendix for examples of use) | **O** | |
| **M** | **C00101** | **355** | **Unit or Basis for Measurement Code**<br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken<br>EA Each | **M** | **ID 2/2** |

**Segment:** **N9** **Reference Identification**
**Position:** 3500
**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*1Q*ERRCODE(TNSR-31)*ERR [N9 Loop repeats ERRNUM(TNSR-30) times]

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **N901** | **128** | **Reference Identification Qualifier**<br>Code qualifying the Reference Identification<br>1Q Error Identification Code<br>Qualifies a single number that describes an error found in application-level data | **M** | **ID 2/3** |
| | **N902** | **127** | **Reference Identification**<br>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier<br>ERRCODE(TNSR-31) = Error Code | **X** | **AN 1/30** |
| | **N903** | **369** | **Free-form Description**<br>Free-form descriptive text<br>"ERR" | **X** | **AN 1/45** |

**Segment:** **MTX** **Text**
**Position:** 3600
**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**ERRMESG(TNSR-32)

**Data Element Summary**

| Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|
| **MTX02** | **1551** | **Message Text**<br>To transmit large volumes of message text<br>ERRMESG(TNSR-32) = Error Message | **X** | **AN 1/4096** |

**Segment:** **POC** **Line Item Change - GOOD**
**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*GOOD [POC Loop will be used if RESPONSE(TNSR-7) = "G"]

**Data Element Summary**

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

**Segment:** **ACK** **Line Item Acknowledgment**
**Position:** 2700
**Loop:** ACK Optional
**Level:** Detail
**Usage:** Optional
**Max Use:** 1
**Purpose:** To acknowledge the ordered quantities and specify the ready date for a specific line item
**Syntax Notes:**
**1** If either ACK02 or ACK03 is present, then the other is required.
**2** If ACK04 is present, then ACK05 is required.
**3** If either ACK07 or ACK08 is present, then the other is required.
**4** If either ACK09 or ACK10 is present, then the other is required.
**5** If either ACK11 or ACK12 is present, then the other is required.
**6** If either ACK13 or ACK14 is present, then the other is required.
**7** If either ACK15 or ACK16 is present, then the other is required.
**8** If either ACK17 or ACK18 is present, then the other is required.
**9** If either ACK19 or ACK20 is present, then the other is required.
**10** If either ACK21 or ACK22 is present, then the other is required.
**11** If either ACK23 or ACK24 is present, then the other is required.
**12** If either ACK25 or ACK26 is present, then the other is required.
**13** If either ACK27 or ACK28 is present, then the other is required.
**14** If ACK28 is present, then both ACK27 and ACK29 are required.
**Semantic Notes:**
**1** ACK29 Industry Reason Code may be used to identify the item status. In addition, it may be used in conjunction with ACK01 to further clarify the status.
**Comments:**
**Notes:** ACK*IA**********TI*TELEPHONE*RESPONSE(TNSR-7)

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **ACK01** | **668** | **Line Item Status Code**<br>Code specifying the action taken by the seller on a line item requested by the buyer<br>IA Item Accepted | **M** | **ID 2/2** |
| | **ACK27** | **559** | **Agency Qualifier Code**<br>Code identifying the agency assigning the code values<br>TI Telecommunications Industry | **X** | **ID 2/2** |
| | **ACK28** | **822** | **Source Subqualifier**<br>A reference that indicates the table or text maintained by the Source Qualifier<br>"TELEPHONE" | **X** | **AN 1/15** |
| | **ACK29** | **1271** | **Industry Code**<br>Code indicating a code from a specific industry code list<br>RESPONSE(TNSR-7) = Response | **X** | **AN 1/30** |

**Segment:** **POC** **Line Item Change - MIXED**
**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*MIXED [POC Loop will be used if RESPONSE(TNSR-7) = "M"]

**Data Element Summary**

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

**Segment:** **ACK** **Line Item Acknowledgment**
**Position:** 2700
**Loop:** ACK Optional
**Level:** Detail
**Usage:** Optional
**Max Use:** 1
**Purpose:** To acknowledge the ordered quantities and specify the ready date for a specific line item
**Syntax Notes:**
**1** If either ACK02 or ACK03 is present, then the other is required.
**2** If ACK04 is present, then ACK05 is required.
**3** If either ACK07 or ACK08 is present, then the other is required.
**4** If either ACK09 or ACK10 is present, then the other is required.
**5** If either ACK11 or ACK12 is present, then the other is required.
**6** If either ACK13 or ACK14 is present, then the other is required.
**7** If either ACK15 or ACK16 is present, then the other is required.
**8** If either ACK17 or ACK18 is present, then the other is required.
**9** If either ACK19 or ACK20 is present, then the other is required.
**10** If either ACK21 or ACK22 is present, then the other is required.
**11** If either ACK23 or ACK24 is present, then the other is required.
**12** If either ACK25 or ACK26 is present, then the other is required.
**13** If either ACK27 or ACK28 is present, then the other is required.
**14** If ACK28 is present, then both ACK27 and ACK29 are required.
**Semantic Notes:**
**1** ACK29 Industry Reason Code may be used to identify the item status. In addition, it may be used in conjunction with ACK01 to further clarify the status.
**Comments:**
**Notes:** ACK*IA**********TI*TELEPHONE*RESPONSE(TNSR-7)

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **ACK01** | **668** | **Line Item Status Code**<br>Code specifying the action taken by the seller on a line item requested by the buyer<br>IA Item Accepted | **M** | **ID 2/2** |
| | **ACK27** | **559** | **Agency Qualifier Code**<br>Code identifying the agency assigning the code values<br>TI Telecommunications Industry | **X** | **ID 2/2** |
| | **ACK28** | **822** | **Source Subqualifier**<br>A reference that indicates the table or text maintained by the Source Qualifier<br>"TELEPHONE" | **X** | **AN 1/15** |
| | **ACK29** | **1271** | **Industry Code**<br>Code indicating a code from a specific industry code list<br>RESPONSE(TNSR-7) = Response | **X** | **AN 1/30** |

**Segment:** **QTY** **Quantity**
**Position:** 3020
**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*V1*QNSNUM(TNSR-28)*EA

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **QTY01** | **673** | **Quantity Qualifier**<br>Code specifying the type of quantity<br>V1 Retention Quantity | **M** | **ID 2/2** |
| | **QTY02** | **380** | **Quantity**<br>Numeric value of quantity<br>QNSNUM(TNSR-28) = Quantity of Non-Selected Telephone Numbers | **X** | **R 1/15** |
| | **QTY03** | **C001** | **Composite Unit of Measure**<br>To identify a composite unit of measure (See Figures Appendix for examples of use) | **O** | |
| **M** | **C00101** | **355** | **Unit or Basis for Measurement Code**<br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken<br>EA Each | **M** | **ID 2/2** |

**Segment:** **QTY** **Quantity**
**Position:** 3020
**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*03*ERRNUM(TNSR-30)*EA

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **QTY01** | **673** | **Quantity Qualifier**<br>Code specifying the type of quantity<br>03 Discreet Quantity - Rejected Material | **M** | **ID 2/2** |
| | **QTY02** | **380** | **Quantity**<br>Numeric value of quantity<br>ERRNUM(TNSR-30) = Number of Errors | **X** | **R 1/15** |
| | **QTY03** | **C001** | **Composite Unit of Measure**<br>To identify a composite unit of measure (See Figures Appendix for examples of use) | **O** | |
| **M** | **C00101** | **355** | **Unit or Basis for Measurement Code**<br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken<br>EA Each | **M** | **ID 2/2** |

**Segment:** **N9** **Reference Identification**
**Position:** 3500
**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*1Q*ERRCODE(TNSR-31)*ERR [N9 Loop repeats ERRNUM(TNSR-30) times]

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **N901** | **128** | **Reference Identification Qualifier**<br>Code qualifying the Reference Identification<br>1Q Error Identification Code<br>Qualifies a single number that describes an error found in application-level data | **M** | **ID 2/3** |
| | **N902** | **127** | **Reference Identification**<br>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier<br>ERRCODE(TNSR-31) = Error Code | **X** | **AN 1/30** |
| | **N903** | **369** | **Free-form Description**<br>Free-form descriptive text<br>"ERR" | **X** | **AN 1/45** |

**Segment:** **MTX** **Text**
**Position:** 3600
**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**ERRMESG(TNSR-32)

**Data Element Summary**

| Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|
| **MTX02** | **1551** | **Message Text**<br>To transmit large volumes of message text<br>ERRMESG(TNSR-32) = Error Message | **X** | **AN 1/4096** |

**Segment:** **SLN** **Subline Item Detail**
**Position:** 4900
**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*MIXED*n*A*1*EA

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | | |
|---|---|---|---|---|---|---|
| **M** | **SLN01** | **350** | **Assigned Identification**<br>Alphanumeric characters assigned for differentiation within a transaction set<br>"MIXED" | **M** | **AN 1/20** | |
| | **SLN02** | **350** | **Assigned Identification**<br>Alphanumeric characters assigned for differentiation within a transaction set<br>"n" = nth assigned ID within SLN loop | **O** | **AN 1/20** | |
| **M** | **SLN03** | **662** | **Relationship Code**<br>Code indicating the relationship between entities<br>A Add | **M** | **ID 1/1** | |
| | **SLN04** | **380** | **Quantity**<br>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:** 5000
**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*TN*NSTN(TNSR-29) [SI Segment repeats QNSNUM(TNSR-28) times]

**Data Element Summary**

| Ref. Des. Attributes | Data Element | Name | | |
|---|---|---|---|---|
| **M** **SI01** | **559** | **Agency Qualifier Code**<br>Code identifying the agency assigning the code values<br>TI Telecommunications Industry | **M** | **ID 2/2** |
| **M** **SI02** | **1000** | **Service Characteristics Qualifier**<br>Code from an industry code list qualifying the type of service characteristics<br>TN Telephone Number | **M** | **AN 2/2** |
| **M** **SI03** | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>NSTN(TNSR-29) = Non-Selected Telephone Number | **M** | **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 POC Segments

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **CTT01** | **354** | **Number of Line Items**<br>Total number of line items in the transaction set | **M** | **N0 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*No of Segments*TRAN SET CONTROL #

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | |
|---|---|---|---|---|---|
| | Attributes | | | | |
| **M** | **SE01** | **96** | **Number of Included Segments**<br>Total number of segments included in a transaction set including ST and SE segments | **M** | **N0 1/10** |
| **M** | **SE02** | **329** | **Transaction Set Control Number**<br>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** |