

# Completion Response Transaction

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## **58. Completion Response Transaction**

### **58.1 Business Description**

The Completion notification is returned to the CLEC when a local service request (LSR) received through EDI is provisioned. Qwest may divide the LSR into multiple internal Qwest service orders. A Completion notification will be sent through EDI automatically upon completion of all internal Qwest service orders for a given PON.

## **58.2 Business Model**

See Appendix H

## 58.3 Developer Worksheets

See Appendix D - Developer Worksheets – PostOrder

## 58.4 Mapping Examples

### 58.4.1 865 Completion (865COMP) - Version 4020

Legend of Symbols in this transaction example

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

ST\*865\*TRAN SET CONTROL #  
 BCA\*CN\*AT\* **PON**<sup>CO-3\*\*</sup> **VER**<sup>CO-4\*</sup> PO Date (See Trading Partner Access Information)  
 REF\*IX\* **ORD NUM**<sup>CO-7\*</sup> **ORD NUM**  
 DTM\*097\***C/TSENT**{CCYYMMDD}<sup>CO-6\*</sup> **C/TSENT**{HHMM}<sup>CO-6</sup>  
 N1\*78\* **CCNA**<sup>CO-1</sup>  
 N1\*BY\*\*25\* **CC**<sup>CO-2</sup>

### ORDER INFORMATION SECTION

POC\*n\*RZ\*\*\*\*\*ZZ\* OR [POC loop repeats **ORD NUM**<sup>CO-7</sup> times]  
 REF\*IX\* **OREF NUM**<sup>CO-8\*</sup> **OREF NUM**  
 REF\*OW\* **ORD**<sup>CO-9\*</sup> **ORD**  
 REF\*LI\* **LN NUM**<sup>CO-15\*</sup> **LN NUM**  
 REF\*IX\* **SENUM**<sup>CO-11\*</sup> **SENUM**  
 DTM\*198\***CD**{CCYYMMDD}<sup>CO-10</sup>  
 SLN\*SE\*n\*A\*1\*EA [SLN loop repeats **SENUM**<sup>CO-11</sup> times]  
 SI\*TI\*CV\* **ACTION CODE**<sup>CO-12</sup>  
 SI\*TI\*SC\* **USOC**<sup>CO-13</sup>  
 N1\*U8\* **FID**  
 SI\*TI\*FM\* **FID**<sup>CO-14</sup>  
 SLN\*LINE\* **REF NUM**<sup>CO-16\*</sup> A\*1\*EA [SI segment may repeat]  
 SI\*TI\*TN\* **TNS**<sup>CO-18</sup> [SLN loop repeats **LN NUM**<sup>CO-15</sup> times]  
 SI\*TI\*CN\* **ECCKT**<sup>CO-19</sup>  
 SI\*TI\*CM\* **CKR**<sup>CO-20</sup>  
 SI\*TI\*IT\* **PORTED NBR**<sup>CO-21</sup>

SI\*TI\*SG\***HID**<sup>CO-24</sup>  
 SI\*TI\*T5\***TERS**<sup>CO-23</sup>  
 SI\*TI\*TQ\***TLI**<sup>CO-22</sup>  
 N1\*18\***LINEINFO**  
 REF\*11\***AN**<sup>CO-17</sup>\***AN**  
 SLN\***DID**\*n\*A\*1\*EA [SLN loop may repeat]  
 SI\*TI\*TQ\***DTLI**<sup>CO-26</sup>  
 SI\*TI\*TH\***DTGN**<sup>CO-28</sup>  
 SI\*TI\*RI\***DRTI**<sup>CO-29</sup>  
 SI\*TI\*DD\***DGOUT**<sup>CO-31</sup>  
 QTY\*FJ\***DTK**<sup>CO-27</sup>\*EA  
 N9\*L1\***TRUNK** [N9 loop may repeat]  
 MTX\*\***DTKID**<sup>CO-30</sup>  
 N9\*L1\***RANGE** [N9 loop may repeat]  
 MTX\*\***DTNR**<sup>CO-32</sup>

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

## 58.5 Data Dictionary

### 58.5.1 865 Completion Notification (865COMP)

Functional Group ID=**CA**

#### Introduction:

This transaction set is a Completion Notification to the Co-Provider confirming the service request has been worked.

This implementation guideline references the following:

1. ANSI ASC X12 Version 4020

#### Notes:

This 865 Transaction includes the mapping for Completion.

#### Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
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		
						LOOP ID - N1	200
	3000	N1	Name	O	1		
						LOOP ID - N1	200
	3000	N1	Name	O	1		

#### Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
						LOOP ID - POC	>1
	0100	POC	Line Item Change	O	1		
	1000	REF	Reference Identification	O	>1		
	2000	DTM	Date/Time Reference	O	10		
						LOOP ID - SLN	>1
	4900	SLN	Subline Item Detail	O	1		
	5000	SI	Service Characteristic Identification	O	>1		
						LOOP ID - N1	10
	5690	N1	Name	O	1		
	6250	SI	Service Characteristic Identification	O	>1		
						LOOP ID - SLN	>1

4900	SLN	Subline Item Detail	O	1	
5000	SI	Service Characteristic Identification	O	>1	
LOOP ID - N1				10	
5690	N1	Name	O	1	
6100	REF	Reference Identification	O	12	
LOOP ID - SLN				>1	
4900	SLN	Subline Item Detail	O	1	
5000	SI	Service Characteristic Identification	O	>1	
LOOP ID - QTY				>1	
5610	QTY	Quantity	O	1	
LOOP ID - N9				>1	
5630	N9	Reference Identification	O	1	
5650	MTX	Text	O	>1	
LOOP ID - N9				>1	
5630	N9	Reference Identification	O	1	
5650	MTX	Text	O	>1	

**Summary:**

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

**Transaction Set Notes**

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



**Segment:** **ST** Transaction Set Header

**Position:** 0100

**Loop:**

**Level:** Heading

**Usage:** Mandatory

**Max Use:** 1

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

**Syntax Notes:**

**Semantic Notes:**

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

**Comments:**

**Notes:** ST\*865\*TRAN SET CONTROL #

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
<b>M</b>	<b>ST01</b>	<b>143</b>	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set 865 Purchase Order Change Acknowledgment/Request - Seller Initiated	<b>M</b>	<b>ID 3/3</b>
<b>M</b>	<b>ST02</b>	<b>329</b>	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	<b>M</b>	<b>AN 4/9</b>

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\*CN\*AT\*PON (CO-3)\*\*VER (CO-4)\*PO Date (See Trading Partner Access Information)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	BCA01	353	<b>Transaction Set Purpose Code</b> Code identifying purpose of transaction set CN Completion Notification Signifies that the order is complete and the information contained within is final for the service request purchase order	M	ID 2/2
	BCA02	587	<b>Acknowledgment Type</b> Code specifying the type of acknowledgment AT Accepted	O	ID 2/2
M	BCA03	324	<b>Purchase Order Number</b> Identifying number for Purchase Order assigned by the orderer/purchaser PON(CO-3) = Purchase Order Number	M	AN 1/22
	BCA05	327	<b>Change Order Sequence Number</b> Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set VER(CO-4) = Version Identification	O	AN 1/8
M	BCA06	373	<b>Date</b> Date expressed as CCYYMMDD PO 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\*IX\*ORD NUM(CO-7)\*ORD NUM

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification IX Item Number	M	ID 2/3
	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ORD NUM(CO-7) = Order Number	X	AN 1/30
	REF03	352	<b>Description</b> A free-form description to clarify the related data elements and their content "ORD NUM"	X	AN 1/80

**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\*C/TSENT{CCYYMMDD}{CO-6}\*C/TSENT{HHMM}{CO-6}

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	<b>DTM01</b>	<b>374</b>	<b>Date/Time Qualifier</b>	<b>M</b>	<b>ID 3/3</b>
			Code specifying type of date or time, or both date and time 097 Transaction Creation		
	<b>DTM02</b>	<b>373</b>	<b>Date</b>	<b>X</b>	<b>DT 8/8</b>
			Date expressed as CCYYMMDD C/TSENT(CO-6) = Current Date Sent		
	<b>DTM03</b>	<b>337</b>	<b>Time</b>	<b>X</b>	<b>TM 4/8</b>
			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) C/TSENT(CO-6) = Current Time Sent {HHMM}		

**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(CO-1)

**Data Element Summary**

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

**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(CO-2)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual BY Buying Party (Purchaser)	M	ID 2/3
	N103	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67) 25 Carrier's Customer Code	X	ID 1/2
	N104	67	<b>Identification Code</b> Code identifying a party or other code CC(CO-2) = 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\*OR [POC loop repeats ORD NUM (CO-7) times]

**Data Element Summary**

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

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

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

**Semantic Notes:**

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

**Comments:**  
**Notes:**

```

REF*IX*OREF NUM(CO-8)*OREF NUM
REF*OW*ORD(CO-9)*ORD
REF*LI*LN NUM(CO-15)*LN NUM
REF*IX*SENUM(CO-11)*SENUM

```

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b>	M	ID 2/3
			Code qualifying the Reference Identification		
			IX Item Number		
			LI Line Item Identifier (Seller's)		
			OW Service Order Number		
			Number assigned when a customer orders service and equipment and which appears on bill		
	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b>	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			OREF NUM(CO-8) = Order Reference Number		
			ORD(CO-9) = Order Number		
			LN NUM(CO-15) = Line Number		
			SENUM(CO-11) = Sequence Number		
	<b>REF03</b>	<b>352</b>	<b>Description</b>	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
			"OREF NUM"		
			"ORD"		
			"LN NUM"		
			"SENUM"		



**Segment:** **DTM** Date/Time Reference

**Position:** 2000

**Loop:** POC Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 10

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

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

**Semantic Notes:**

**Comments:**

**Notes:** DTM\*198\*CD{CCYYMMDD}{CO-10}

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
M	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 198 Completion Date when the activity was completed	M	ID 3/3
	DTM02	373	Date Date expressed as CCYYMMDD CD(CO-10) = Completion Date	X	DT 8/8

**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\*SE\*n\*A\*1\*EA [SLN loop repeats SENUM (CO-11) times]

#### Data Element Summary

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

			1	Always One		
	<b>SLN05</b>	<b>C001</b>	<b>Composite Unit of Measure</b>			<b>X</b>
			To identify a composite unit of measure (See Figures Appendix for examples of use)			
<b>M</b>	<b>C00101</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>			<b>M ID 2/2</b>
			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\*CV\*ACTION CODE(CO-12)  
 SI\*TI\*SC\*USOC(CO-13)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	SI01	559	<b>Agency Qualifier Code</b>	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	<b>Service Characteristics Qualifier</b>	M	AN 2/2
			Code from an industry code list qualifying the type of service characteristics		
			CV Action Code		
			SC Service Category		
M	SI03	234	<b>Product/Service ID</b>	M	AN 1/48
			Identifying number for a product or service		
			ACTION CODE(CO-12) = Action Code		
			USOC(CO-13) = Universal Service Order Code		

**Segment:** **N1** Name  
**Position:** 5690  
**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\*U8\*FID

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual U8 Reference	M	ID 2/3
NR	N102	93	<b>Name</b> Free-form name "FID"	X	AN 1/60

**Segment:** **SI** Service Characteristic Identification

**Position:** 6250

**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\*FM\*FID(CO-14) [SI segment may repeat]

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
	<u>Attributes</u>				
M	SI01	559	<b>Agency Qualifier Code</b>	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	<b>Service Characteristics Qualifier</b>	M	AN 2/2
			Code from an industry code list qualifying the type of service characteristics		
			FM Multiple FIDs		
M	SI03	234	<b>Product/Service ID</b>	M	AN 1/48
			Identifying number for a product or service		
			FID(CO-14) = Feature Identifier		

**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\*LINE\*REF NUM(CO-16)\*A\*1\*EA [SLN loop repeats LN NUM (CO-15) times]

**Data Element Summary**

	Ref. Des.	Data Element	Name		
M	SLN01	350	Assigned Identification	M	AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set		
			"LINE"		
	SLN02	350	Assigned Identification	O	AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set		
			REF NUM(CO-16) = Reference Number		
M	SLN03	662	Relationship Code	M	ID 1/1
			Code indicating the relationship between entities		
			A Add		
	SLN04	380	Quantity	X	R 1/15

			Numeric value of quantity		
			1	Always One	
	<b>SLN05</b>	<b>C001</b>	<b>Composite Unit of Measure</b>		<b>X</b>
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
<b>M</b>	<b>C00101</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>		<b>M ID 2/2</b>
			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*TNS(CO-18)
SI*TI*CN*ECCKT(CO-19)
SI*TI*CM*CKR(CO-20)
SI*TI*IT*PORTED NBR(CO-21)
SI*TI*SG*HID(CO-24)
SI*TI*T5*TERS(CO-23)
SI*TI*TQ*TLI(CO-22)
```

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
	<b>Attributes</b>				
M	SI01	559	<b>Agency Qualifier Code</b>	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	<b>Service Characteristics Qualifier</b>	M	AN 2/2
			Code from an industry code list qualifying the type of service characteristics		
			CM Local Service Providers Circuit Number		
			CN Circuit Number Identification Number		
			IT Ported Telephone Number(s)		
			SG Service Group		
			T5 Terminal Number		
			TN Telephone Number		
			TQ Telephone Line Identifier		
M	SI03	234	<b>Product/Service ID</b>	M	AN 1/48
			Identifying number for a product or service		
			TNS(CO-18) = Telephone Numbers		
			ECCKT(CO-19) = Exchange Company Circuit ID		
			CKR(CO-20) = Customer Circuit Reference		
			PORTED NBR(CO-21) = Ported Telephone Number		
			HID(CO-24) = Hunt Group Identifier		
			TERS(CO-23) = Terminal Numbers		

TLI(CO-22) = Telephone Line Identifier

**Segment:** **N1** Name  
**Position:** 5690  
**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\*18\*LINEINFO

**Data Element Summary**

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

**Segment:** **REF** Reference Identification

**Position:** 6100

**Loop:** N1 Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 12

**Purpose:** To specify identifying information

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

**Comments:**

**Notes:** REF\*11\*AN(CO-17)\*AN

#### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification 11 Account Number Number identifies a telecommunications industry account	M	ID 2/3
	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier AN(CO-17) = Account Number	X	AN 1/30
	REF03	352	<b>Description</b> A free-form description to clarify the related data elements and their content "AN"	X	AN 1/80

**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\*DID\*n\*A\*1\*EA [SLN loop may repeat]

#### Data Element Summary

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

		1	Always One		
	<b>SLN05</b>	<b>C001</b>	<b>Composite Unit of Measure</b>		<b>X</b>
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
<b>M</b>	<b>C00101</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>		<b>M ID 2/2</b>
			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\*TQ\*DTLI(CO-26)  
 SI\*TI\*TH\*DTGN(CO-28)  
 SI\*TI\*RI\*DRTI(CO-29)  
 SI\*TI\*DD\*DGOUT(CO-31)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
	<b>Attributes</b>				
M	SI01	559	<b>Agency Qualifier Code</b>	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	<b>Service Characteristics Qualifier</b>	M	AN 2/2
			Code from an industry code list qualifying the type of service characteristics		
			DD Digits Outpulsed		
			RI Route Index		
			TH Trunk Group Number		
			TQ Telephone Line Identifier		
M	SI03	234	<b>Product/Service ID</b>	M	AN 1/48
			Identifying number for a product or service		
			DTLI(CO-26) = DID Telephone Line Identifier		
			DTGN(CO-28) = DID Trunk Group Number		
			DRTI(CO-29) = DID Route Index Number		
			DGOUT(CO-31) = DID Digits Out		

**Segment:** **QTY** Quantity  
**Position:** 5610  
**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\*FJ\*DTK(CO-27)\*EA

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>		
	<u>Des.</u>	<u>Element</u>			
<b>M</b>	<b>QTY01</b>	<b>673</b>	<b>Quantity Qualifier</b> Code specifying the type of quantity FJ Trunked Channels	<b>M</b>	<b>ID 2/2</b>
	<b>QTY02</b>	<b>380</b>	<b>Quantity</b> Numeric value of quantity DTK(CO-27) = DID Trunk Quantity	<b>X</b>	<b>R 1/15</b>
	<b>QTY03</b>	<b>C001</b>	<b>Composite Unit of Measure</b> To identify a composite unit of measure (See Figures Appendix for examples of use)	<b>O</b>	
<b>M</b>	<b>C00101</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken EA Each	<b>M</b>	<b>ID 2/2</b>



**Segment:** **N9 Reference Identification**

**Position:** 5630

**Loop:** N9 Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

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

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

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

**Comments:**

**Notes:** N9\*L1\*TRUNK [N9 loop may repeat]

#### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification L1 Letters or Notes	M	ID 2/3
	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier "TRUNK"	X	AN 1/30

**Segment:** **MTX** Text  
**Position:** 5650  
**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\*\*DTKID (CO-30)

**Data Element Summary**

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
<b>Attributes</b> MTX02	1551	<b>Message Text</b>	<b>X</b>	<b>AN 1/4096</b>
		To transmit large volumes of message text		
		DTKID (CO-30) = DID Trunk ID		

**Segment:** **N9 Reference Identification**

**Position:** 5630

**Loop:** N9 Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

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

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

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

**Comments:**

**Notes:** N9\*L1\*RANGE [N9 loop may repeat]

#### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification L1 Letters or Notes	M	ID 2/3
	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier "RANGE"	X	AN 1/30

**Segment:** **MTX** Text  
**Position:** 5650  
**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\*\*DTNR (CO-32)

**Data Element Summary**

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
<b>Attributes</b> MTX02	1551	<b>Message Text</b>	<b>X</b>	<b>AN 1/4096</b>
		To transmit large volumes of message text		
		DTNR (CO-32) = DID Telephone Number Range		

**Segment:** **CTT** Transaction Totals

**Position:** 0100

**Loop:** CTT Optional

**Level:** Summary

**Usage:** Optional

**Max Use:** 1

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

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

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

**Semantic Notes:**

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

**Notes:** CTT\*Number of POC Segments

#### Data Element Summary

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

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

**Syntax Notes:**

**Semantic Notes:**

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

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

**Data Element Summary**

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