

# 865 Purchase Order Change Acknowledgment/Request - Seller Initiated

Functional Group ID=**CA**

## Introduction:

This X12 Transaction Set contains the format and establishes the data contents of the Purchase Order Change Acknowledgment/Request - Seller Initiated Transaction Set (865) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to convey acceptance or rejection of changes to a previously submitted purchase order by the seller or to notify the buyer of changes initiated by the seller to a previously submitted purchase order by the seller.

## Notes:

The following list is designed to assist the reader in interpreting these specifications:

1. Information customized for AT&T's usage of this transaction set is shown in a gray box.
2. ANSI X12 and industry standard codes are shown along with their standard descriptions.
3. Fields are depicted by the field name in all capital letters, followed by a colon and then a short description of the field (e.g., BAN1: Billing Account No. 1).
4. In compliance with TCIF guidelines, phrase codes are used when the same basic ANSI X12 code is used for mapping two similar fields. The phrase code is additional mapping to further define each fields' mapping. (e.g., data element REF02 carries the value of the field AN or ATN when REF01=11. The phrase code in REF03 would differentiate between AN or ATN.)

## 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>
Must Use	0100	ST	Transaction Set Header	M	1		
Must Use	0200	BCA	Beginning Segment for Purchase Order Change Acknowledgment	M	1		
Not Used	0400	CUR	Currency	O	1		
	0500	REF	Reference Information	O	>1		
	0600	PER	Administrative Communications Contact	O	3		
Not Used	0700	TAX	Tax Reference	O	>1		
Not Used	0800	FOB	F.O.B. Related Instructions	O	>1		
Not Used	0900	CTP	Pricing Information	O	>1		
Not Used	0950	PAM	Period Amount	O	10		
Not Used	1100	CSH	Sales Requirements	O	1		
LOOP ID - SAC						25	
Not Used	1200	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
Not Used	1250	CUR	Currency	O	1		
Not Used	1300	ITD	Terms of Sale/Deferred Terms of Sale	O	5		

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Not Used	1400	DIS	Discount Detail	O	20	
Not Used	1450	INC	Installment Information	O	1	
	1500	DTM	Date/Time Reference	O	10	
Not Used	1800	LIN	Item Identification	O	5	n1
	1850	SI	Service Characteristic Identification	O	>1	
	1900	PID	Product/Item Description	O	200	
Not Used	2000	MEA	Measurements	O	40	
Not Used	2100	PWK	Paperwork	O	25	
Not Used	2200	PKG	Marking, Packaging, Loading	O	25	
Not Used	2300	TD1	Carrier Details (Quantity and Weight)	O	2	
Not Used	2400	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	2500	TD3	Carrier Details (Equipment)	O	12	
Not Used	2600	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
Not Used	2660	PCT	Percent Amounts	O	>1	
Not Used	2700	MAN	Marks and Numbers	O	10	
Not Used	2750	TXI	Tax Information	O	>1	
Not Used	2760	CTB	Restrictions/Conditions	O	>1	
Not Used	2770	G53	Maintenance Type	O	>1	
<b>LOOP ID - LDT</b>					<b>&gt;1</b>	
Not Used	2780	LDT	Lead Time	O	1	
Not Used	2790	QTY	Quantity Information	O	>1	
Not Used	2795	MTX	Text	O	>1	
<b>LOOP ID - N9</b>					<b>1000</b>	
	2800	N9	Extended Reference Information	O	1	
Not Used	2850	DTM	Date/Time Reference	O	>1	
	2900	MTX	Text	O	>1	
Not Used	2950	PWK	Paperwork	O	>1	
Not Used	2980	EF1	Electronic Format Identification	O	>1	
<b>LOOP ID - N1</b>					<b>200</b>	
	3000	N1	Party Identification	O	1	
Not Used	3100	N2	Additional Name Information	O	2	
Not Used	3150	IN2	Individual Name Structure Components	O	>1	
Not Used	3200	N3	Party Location	O	2	
Not Used	3300	N4	Geographic Location	O	1	
Not Used	3350	NX2	Location ID Component	O	>1	
Not Used	3400	REF	Reference Information	O	12	
	3500	PER	Administrative Communications Contact	O	>1	
Not Used	3550	SI	Service Characteristic Identification	O	>1	
Not Used	3600	FOB	F.O.B. Related Instructions	O	1	
Not Used	3700	TD1	Carrier Details (Quantity and Weight)	O	2	
Not Used	3800	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	3900	TD3	Carrier Details (Equipment)	O	12	
Not Used	4000	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	

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Not Used	4100	PKG	Marking, Packaging, Loading	O	25
Not Used	4200	MTX	Text	O	>1
<b>LOOP ID - AMT</b>					<b>&gt;1</b>
Not Used	4300	AMT	Monetary Amount Information	O	1
Not Used	4400	PCT	Percent Amounts	O	>1
<b>LOOP ID - ADV</b>					<b>&gt;1</b>
Not Used	4500	ADV	Advertising Demographic Information	O	1
Not Used	4600	DTM	Date/Time Reference	O	>1
Not Used	4700	MTX	Text	O	>1
<b>LOOP ID - LM</b>					<b>&gt;1</b>
Not Used	4800	LM	Code Source Information	O	1
Not Used	4900	LQ	Industry Code Identification	M	>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>
<b>LOOP ID - POC</b>					<b>&gt;1</b>	
	0100	POC	Line Item Change	O	1	
Not Used	0150	LIN	Item Identification	O	>1	
	0180	SI	Service Characteristic Identification	O	>1	
Not Used	0200	CUR	Currency	O	1	
Not Used	0300	PO3	Additional Item Detail	O	25	
Not Used	0400	CTP	Pricing Information	O	>1	
Not Used	0450	PAM	Period Amount	O	10	
Not Used	0490	MEA	Measurements	O	40	
<b>LOOP ID - PID</b>					<b>1000</b>	
	0500	PID	Product/Item Description	O	1	
Not Used	0600	MEA	Measurements	O	10	
Not Used	0700	PWK	Paperwork	O	25	
Not Used	0800	PKG	Marking, Packaging, Loading	O	25	
Not Used	0900	PO4	Item Physical Details	O	>1	
	1000	REF	Reference Information	O	>1	
Not Used	1100	PER	Administrative Communications Contact	O	3	
<b>LOOP ID - SAC</b>					<b>25</b>	
Not Used	1300	SAC	Service, Promotion, Allowance, or Charge Information	O	1	
Not Used	1350	CUR	Currency	O	1	
Not Used	1400	IT8	Conditions of Sale	O	1	
Not Used	1420	CSH	Sales Requirements	O	>1	
Not Used	1500	ITD	Terms of Sale/Deferred Terms of Sale	O	2	
Not Used	1600	DIS	Discount Detail	O	20	
Not Used	1650	INC	Installment Information	O	1	
Not Used	1700	TAX	Tax Reference	O	>1	
Not Used	1800	FOB	F.O.B. Related Instructions	O	>1	

Not Used	1900	SDQ	Destination Quantity	O	500	
Not Used	2000	DTM	Date/Time Reference	O	10	
Not Used	2300	TD1	Carrier Details (Quantity and Weight)	O	1	
Not Used	2400	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	2500	TD3	Carrier Details (Equipment)	O	12	
Not Used	2600	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
Not Used	2650	TXI	Tax Information	O	>1	
Not Used	2660	PCT	Percent Amounts	O	>1	
LOOP ID - ACK					104	
Not Used	2700	ACK	Line Item Acknowledgment	O	1	
Not Used	2800	DTM	Date/Time Reference	O	1	
Not Used	2900	MAN	Marks and Numbers	O	10	
Not Used	2910	SPI	Specification Identifier	O	>1	
Not Used	2920	MTX	Text	O	>1	
Not Used	2930	CTB	Restrictions/Conditions	O	>1	
LOOP ID - LM					>1	
Not Used	2980	LM	Code Source Information	O	1	
Not Used	2990	LQ	Industry Code Identification	M	>1	
LOOP ID - AMT					>1	
Not Used	3000	AMT	Monetary Amount Information	O	1	n2
Not Used	3010	PCT	Percent Amounts	O	>1	
LOOP ID - QTY					>1	
	3020	QTY	Quantity Information	O	1	
Not Used	3030	SI	Service Characteristic Identification	O	>1	
LOOP ID - SCH					200	
Not Used	3050	SCH	Line Item Schedule	O	1	
Not Used	3100	TD1	Carrier Details (Quantity and Weight)	O	2	
Not Used	3150	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	3200	TD3	Carrier Details (Equipment)	O	12	
Not Used	3300	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
Not Used	3330	REF	Reference Information	O	>1	
LOOP ID - LDT					>1	
Not Used	3350	LDT	Lead Time	O	1	
Not Used	3400	QTY	Quantity Information	O	>1	
Not Used	3420	MTX	Text	O	>1	
LOOP ID - LM					>1	
Not Used	3440	LM	Code Source Information	O	1	
Not Used	3460	LQ	Industry Code Identification	M	>1	
LOOP ID - N9					1000	
	3500	N9	Extended Reference Information	O	1	
Not Used	3550	DTM	Date/Time Reference	O	>1	

	3600	MTX	Text	O	>1
Not Used	3650	PWK	Paperwork	O	>1
Not Used	3680	EFI	Electronic Format Identification	O	>1
<b>LOOP ID - N1</b>					<b>200</b>
	3700	N1	Party Identification	O	1
	3800	N2	Additional Name Information	O	2
Not Used	3850	IN2	Individual Name Structure Components	O	>1
	3900	N3	Party Location	O	2
Not Used	4000	N4	Geographic Location	O	1
Not Used	4030	QTY	Quantity Information	O	>1
Not Used	4050	NX2	Location ID Component	O	>1
Not Used	4100	REF	Reference Information	O	12
Not Used	4200	PER	Administrative Communications Contact	O	3
Not Used	4250	SI	Service Characteristic Identification	O	>1
Not Used	4260	DTM	Date/Time Reference	O	1
Not Used	4300	FOB	F.O.B. Related Instructions	O	1
Not Used	4350	SCH	Line Item Schedule	O	200
Not Used	4400	TD1	Carrier Details (Quantity and Weight)	O	2
Not Used	4500	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
Not Used	4600	TD3	Carrier Details (Equipment)	O	12
Not Used	4700	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
Not Used	4800	PKG	Marking, Packaging, Loading	O	25
<b>LOOP ID - LDT</b>					<b>&gt;1</b>
Not Used	4850	LDT	Lead Time	O	1
Not Used	4860	MAN	Marks and Numbers	O	10
Not Used	4870	QTY	Quantity Information	O	5
Not Used	4880	MTX	Text	O	>1
<b>LOOP ID - SLN</b>					<b>1000</b>
	4900	SLN	Subline Item Detail	O	1
Not Used	4950	MTX	Text	O	>1
	5000	SI	Service Characteristic Identification	O	>1
Not Used	5100	PID	Product/Item Description	O	1000
Not Used	5200	PO3	Additional Item Detail	O	25
Not Used	5210	MEA	Measurements	O	>1
Not Used	5220	CTP	Pricing Information	O	25
Not Used	5230	PAM	Period Amount	O	10
Not Used	5300	ACK	Line Item Acknowledgment	O	104
<b>LOOP ID - SAC</b>					<b>10</b>
Not Used	5400	SAC	Service, Promotion, Allowance, or Charge Information	O	1
Not Used	5450	CUR	Currency	O	1
Not Used	5500	DTM	Date/Time Reference	O	10
Not Used	5540	PO4	Item Physical Details	O	1
Not Used	5570	TAX	Tax Reference	O	3

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Not Used	5580	ADV	Advertising Demographic Information	O	>1
			LOOP ID - QTY	>1	
Not Used	5610	QTY	Quantity Information	O	1
Not Used	5620	SI	Service Characteristic Identification	O	>1
			LOOP ID - N9	>1	
	5630	N9	Extended Reference Information	O	1
Not Used	5640	DTM	Date/Time Reference	O	>1
Not Used	5650	MTX	Text	O	>1
			LOOP ID - N1	10	
Not Used	5690	N1	Party Identification	O	1
Not Used	5700	N2	Additional Name Information	O	2
Not Used	5750	IN2	Individual Name Structure Components	O	>1
Not Used	5800	N3	Party Location	O	2
Not Used	5900	N4	Geographic Location	O	1
Not Used	6000	NX2	Location ID Component	O	>1
Not Used	6100	REF	Reference Information	O	12
Not Used	6200	PER	Administrative Communications Contact	O	3
Not Used	6250	SI	Service Characteristic Identification	O	>1
			LOOP ID - PD	>1	
Not Used	6300	PD	Pricing Data	O	1
Not Used	6400	PDD	Pricing Data Detail	O	>1

**Summary:**

	<b>Pos. No.</b>	<b>Seg. ID</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Max.Use</b>	<b>Loop Repeat</b>	<b>Notes and Comments</b>
			LOOP ID - CTT	1			
Must Use	0100	CTT	Transaction Totals	M	1		n3
Not Used	0200	AMT	Monetary Amount Information	O	5		n4
Must Use	0300	SE	Transaction Set Trailer	M	1		

**Transaction Set Notes**

1. If segment LIN is used, do not use LIN01.
2. If AMT is used in the detail area, then AMT01 will = 1 and AMT02 will indicate total line amount as calculated by the sender.
3. 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.
4. When AMT is used, then one occurrence of AMT01 will = TT and AMT02 will indicate total transaction amount as calculated by the sender.

**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. When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.

**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ST01	143	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set 865 Purchase Order Change Acknowledgment/Request - Seller Initiated	M 1 ID 3/3
Must Use	ST02	329	<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 The value of the data element in ST02 in the Transaction Set Header (ST) must match the value of this same data element in SE02 in the Transaction Set Trailer (SE).	M 1 AN 4/9
Not Used	ST03	1705	<b>Implementation Convention Reference</b> Reference assigned to identify Implementation Convention	O 1 AN 1/35

**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:**

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes
Must Use	BCA01	353 <b>Transaction Set Purpose Code</b> Code identifying purpose of transaction set	M 1 ID 2/2
<b>TRANS-SET-PURPOSE-CODE</b>			
		06 Confirmation	
		08 Status	
		21 Transaction on Hold	
		44 Rejection	
		53 Completion	
		CN Completion Notification	
	BCA02	587 <b>Acknowledgment Type</b> Code specifying the type of acknowledgment	O 1 ID 2/2
<b>TRAN-ACK-TYPE</b>			
If			
	BCA01	BCA02	
	06	AT = Accepted FOC	
	06	AH = Clarification (860 Required)	
	06	RD = Reject (860 Required)	
	08	NA = Status (No Action Required)	
	21	AC = Jeopardy (New Desired Due Date Req'd)	
	CN	AT = Completion	
	44	RN = Rejection--missing or invalid EDI-required data (860 required)	
	53	AT = Billing Completion Notification	
Must Use	BCA03	324 <b>Purchase Order Number</b> Identifying number for Purchase Order assigned by the orderer/purchaser	M 1 AN 1/22
<b>PON: Purchase Order Number</b>			
	BCA04	328 <b>Release Number</b> Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	O 1 AN 1/30
	BCA05	327 <b>Change Order Sequence Number</b>	O 1 AN 1/8

			Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set			
			<b>VER: Version Number</b>			
<b>Must Use</b>	<b>BCA06</b>	<b>373</b>	<b>Date</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	<b>M</b>	<b>1</b>	<b>DT 8/8</b>
			<b>EDI system date</b>			
<b>Not Used</b>	<b>BCA07</b>	<b>326</b>	<b>Request Reference Number</b> Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number)	<b>O</b>	<b>1</b>	<b>AN 1/45</b>
<b>Not Used</b>	<b>BCA08</b>	<b>367</b>	<b>Contract Number</b> Contract number	<b>O</b>	<b>1</b>	<b>AN 1/30</b>
<b>Not Used</b>	<b>BCA09</b>	<b>127</b>	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	<b>O</b>	<b>1</b>	<b>AN 1/50</b>
<b>Not Used</b>	<b>BCA10</b>	<b>373</b>	<b>Date</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	<b>O</b>	<b>1</b>	<b>DT 8/8</b>
<b>Not Used</b>	<b>BCA11</b>	<b>373</b>	<b>Date</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	<b>O</b>	<b>1</b>	<b>DT 8/8</b>
<b>Not Used</b>	<b>BCA12</b>	<b>373</b>	<b>Date</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	<b>O</b>	<b>1</b>	<b>DT 8/8</b>
<b>Not Used</b>	<b>BCA13</b>	<b>92</b>	<b>Purchase Order Type Code</b> Code specifying the type of Purchase Order	<b>O</b>	<b>1</b>	<b>ID 2/2</b>
<b>Not Used</b>	<b>BCA14</b>	<b>786</b>	<b>Security Level Code</b> Code indicating the level of confidentiality assigned by the sender to the information following	<b>O</b>	<b>1</b>	<b>ID 2/2</b>
<b>Not Used</b>	<b>BCA15</b>	<b>640</b>	<b>Transaction Type Code</b> Code specifying the type of transaction	<b>O</b>	<b>1</b>	<b>ID 2/2</b>

**Segment:** **REF** Reference Information  
**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:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification <b>AT&amp;T valid codes:</b> 11 Account Number 12 Billing Account 2I Tracking Number 4N Special Payment Reference Number 7U Related Transaction Reference Number IX Item Number OW Service Order Number V0 Version	M 1 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 <b>If</b> REF01 REF03 REF02 11 AAN AAN: Associated Account Number 11 AN AN: Account Number 11 ATN ATN: Account Telephone No. 11 EAN EAN: Existing Account Number 11 EATN EATN: Existing Account Telephone No. 11 NAN NAN: New Account Number 11 NATN NATN: New Account Telephone No. 12 BAN1 BAN1: Billing Account Number 1 12 BAN2 BAN2: Billing Account Number 2 2I LSR NO LSR NO: Local Service Request Number 4N BI1 BI1: Billing Account Number ID 1 4N BI2 BI2: Billing Account Number ID 2 7U NOR: Number of Requests IX RESID RESID: Response Identifier OW ORD ORD: Service Order Number OW BOPI BOPI: Bulk Order Package Identifier V0 BULKVER BULK VER: Bulk Version	X 1 AN 1/50
	REF03	352	<b>Description</b> A free-form description to clarify the related data elements and their content	X 1 AN 1/80

11	AAN, AN, ATN, EAN, EATN, NAN, or NATN
12	BAN1 or BAN2
4N	BI1 or BI2
2I	LSR NO
IX	RESID
OW	ORD or BOPI
V0	BULKVER

Not Used	REF04	C040	Reference Identifier	O	1
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier		
Not Used	C04001	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification Refer to 004050 Data Element Dictionary for acceptable code values.		
Not Used	C04002	127	Reference Identification	M	AN 1/50
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	C04003	128	Reference Identification Qualifier	X	ID 2/3
			Code qualifying the Reference Identification Refer to 004050 Data Element Dictionary for acceptable code values.		
Not Used	C04004	127	Reference Identification	X	AN 1/50
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	C04005	128	Reference Identification Qualifier	X	ID 2/3
			Code qualifying the Reference Identification Refer to 004050 Data Element Dictionary for acceptable code values.		
Not Used	C04006	127	Reference Identification	X	AN 1/50
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

**Segment:** **PER** **Administrative Communications Contact**  
**Position:** 0600  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 3  
**Purpose:** To identify a person or office to whom administrative communications should be directed  
**Syntax Notes:** 1 If either PER03 or PER04 is present, then the other is required.  
 2 If either PER05 or PER06 is present, then the other is required.  
 3 If either PER07 or PER08 is present, then the other is required.  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Must Use</u>	<u>Des.</u>	<u>Element</u>		
	PER01	366	<b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named <b>AT&amp;T valid codes:</b> OC Order Contact	<b>M 1 ID 2/2</b>
	PER02	93	<b>Name</b> Free-form name <b>If</b> PER01 PER02 OC REP: Provider Contact Representative	<b>O 1 AN 1/60</b>
	PER03	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number <b>AT&amp;T valid code:</b> TE Telephone	<b>X 1 ID 2/2</b>
	PER04	364	<b>Communication Number</b> Complete communications number including country or area code when applicable <b>If</b> PER01 PER DE365 PER DE364 OC TE REP-TELNO: Provider Contact Rep Tele. No.	<b>X 1 AN 1/256</b>
Not Used	PER05	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number	<b>X 1 ID 2/2</b>
Not Used	PER06	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	<b>X 1 AN 1/256</b>
Not Used	PER07	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number	<b>X 1 ID 2/2</b>
Not Used	PER08	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	<b>X 1 AN 1/256</b>
Not Used	PER09	443	<b>Contact Inquiry Reference</b> Additional reference number or description to clarify a contact number	<b>O 1 AN 1/20</b>

**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:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time <b>AT&amp;T valid codes:</b> 007 Effective 097 Transaction Creation 150 Service Period Start 992 Date Requested	<b>M 1 ID 3/3</b>
	DTM02	373	<b>Date</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year <b>If</b> DTM01 DTM02 007 EBD: Effective Bill Date 097 D/TSENT: Date Sent 150 DD/CD: Due Date	<b>X 1 DT 8/8</b>
	DTM03	337	<b>Time</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)	<b>X 1 TM 4/8</b>
Not Used	DTM04	623	<b>Time Code</b> Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	<b>O 1 ID 2/2</b>
	DTM05	1250	<b>Date Time Period Format Qualifier</b> Code indicating the date format, time format, or date and time format <b>AT&amp;T valid code:</b> RTM Range of Time Expressed in Format HHMM-HHMM TM Time Expressed in Format HHMM	<b>X 1 ID 2/3</b>
	DTM06	1251	<b>Date Time Period</b> Expression of a date, a time, or range of dates, times or dates and times <b>If</b> DTM01 DTM05 DTM06	<b>X 1 AN 1/35</b>

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992 TM/RTM FDT: Frame Due Time

**Segment:** **SI Service Characteristic Identification**  
**Position:** 1850  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To specify service characteristic data  
**Syntax Notes:**

- 1 If either SI04 or SI05 is present, then the other is required.
- 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.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SI01	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values <b>AT&amp;T valid code:</b> TI Telecommunications Industry	M 1 ID 2/2
Must Use	SI02	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics <b>AT&amp;T valid codes:</b> IB ISDN BRI Type IX Inside Wire Billing Account Number	M 1 AN 2/3
Must Use	SI03	234	<b>Product/Service ID</b> Identifying number for a product or service <b>If</b> <b>SI DE1000 SI DE234</b> <b>IB IBT: ISDN BRI Type</b> <b>IX IWBAN: Inside Wire Billing Account Number</b>	M 1 AN 1/48
Not Used	SI04	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	X 1 AN 2/3
Not Used	SI05	234	<b>Product/Service ID</b> Identifying number for a product or service	X 1 AN 1/48
Not Used	SI06	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	X 1 AN 2/3
Not Used	SI07	234	<b>Product/Service ID</b> Identifying number for a product or service	X 1 AN 1/48
Not Used	SI08	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	X 1 AN 2/3
Not Used	SI09	234	<b>Product/Service ID</b> Identifying number for a product or service	X 1 AN 1/48
Not Used	SI10	1000	<b>Service Characteristics Qualifier</b>	X 1 AN 2/3

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			Code from an industry code list qualifying the type of service characteristics			
Not Used	SI11	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1	AN 1/48
Not Used	SI12	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	X	1	AN 2/3
Not Used	SI13	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1	AN 1/48
Not Used	SI14	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	X	1	AN 2/3
Not Used	SI15	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1	AN 1/48
Not Used	SI16	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	X	1	AN 2/3
Not Used	SI17	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1	AN 1/48
Not Used	SI18	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	X	1	AN 2/3
Not Used	SI19	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1	AN 1/48
Not Used	SI20	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	X	1	AN 2/3
Not Used	SI21	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1	AN 1/48

<b>Segment:</b>	<b>PID</b>	<b>Product/Item Description</b>
<b>Position:</b>	1900	
<b>Loop:</b>		
<b>Level:</b>	Heading	
<b>Usage:</b>	Optional	
<b>Max Use:</b>	200	
<b>Purpose:</b>	To describe a product or process in coded or free-form format	
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If PID04 is present, then PID03 is required.</li> <li>2 At least one of PID04 or PID05 is required.</li> <li>3 If PID07 is present, then PID03 is required.</li> <li>4 If PID08 is present, then PID04 is required.</li> <li>5 If PID09 is present, then PID05 is required.</li> </ol>	
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 Use PID03 to indicate the organization that publishes the code list being referred to.</li> <li>2 PID04 should be used for industry-specific product description codes.</li> <li>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.</li> <li>4 PID09 is used to identify the language being used in PID05.</li> </ol>	
<b>Comments:</b>	<ol style="list-style-type: none"> <li>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.</li> <li>2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.</li> <li>3 PID07 specifies the individual code list of the agency specified in PID03.</li> </ol>	

**Data Element Summary**

<b>Ref. Des.</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>
<b>Must Use</b>	<b>PID01</b>	<b>349 Item Description Type</b> Code indicating the format of a description <b>AT&amp;T valid code:</b> S Structured (From Industry Code List)	<b>M 1 ID 1/1</b>
<b>Not Used</b>	<b>PID02</b>	<b>750 Product/Process Characteristic Code</b> Code identifying the general class of a product or process characteristic	<b>O 1 ID 2/3</b>
	<b>PID03</b>	<b>559 Agency Qualifier Code</b> Code identifying the agency assigning the code values <b>AT&amp;T valid code:</b> TI Telecommunications Industry	<b>X 1 ID 2/2</b>
	<b>PID04</b>	<b>751 Product Description Code</b> A code from an industry code list which provides specific data about a product characteristic <b>AT&amp;T valid code:</b> AH Coordinated Hot Cut is Required	<b>X 1 AN 1/12</b>
<b>Not Used</b>	<b>PID05</b>	<b>352 Description</b> A free-form description to clarify the related data elements and their content	<b>X 1 AN 1/80</b>
<b>Not Used</b>	<b>PID06</b>	<b>752 Surface/Layer/Position Code</b> Code indicating the product surface, layer or position that is being described	<b>O 1 ID 2/2</b>
	<b>PID07</b>	<b>822 Source Subqualifier</b> A reference that indicates the table or text maintained by the Source Qualifier <b>SO-RSQ Service Order - Reseller Question</b>	<b>O 1 AN 1/15</b>

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	<b>PID08</b>	<b>1073</b>	<b>Yes/No Condition or Response Code</b>	<b>O</b>	<b>1</b>	<b>ID 1/1</b>
			Code indicating a Yes or No condition or response			
			<b>If</b>			
			<b>PID04</b> <b>PID07</b> <b>PID08</b>			
			<b>AH</b> <b>SO-RSQ</b> <b>CHC: Coordinated Hot Cut</b>			
<b>Not Used</b>	<b>PID09</b>	<b>819</b>	<b>Language Code</b>	<b>O</b>	<b>1</b>	<b>ID 2/3</b>
			Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)			

**Segment:** **N9** **Extended Reference Information**  
**Position:** 2800  
**Loop:** N9 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier  
**Syntax Notes:** 1 At least one of N902 or N903 is required.  
 2 If N906 is present, then N905 is required.  
 3 If either C04003 or C04004 is present, then the other is required.  
 4 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:** 1 N906 reflects the time zone which the time reflects.  
 2 N907 contains data relating to the value cited in N902.  
**Comments:**

Data Element Summary				
	Ref. Des.	Data Element	Name	Attributes
Must Use	N901	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification <b>AT&amp;T valid codes:</b> 1Q Error Identification Code L1 Letters or Notes <b>Non-retained Remarks</b> SH Sender Defined Clause	M 1 ID 2/3
	N902	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <b>If</b> N901 N902 1Q ERROR-CODE: Error Code L1 ORI SH STATUS CODE: Status Code	X 1 AN 1/50
	N903	369	<b>Free-form Description</b> Free-form descriptive text <b>If</b> N901 N902 N903 L1 ORI LR	X 1 AN 1/45
Not Used	N904	373	<b>Date</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	O 1 DT 8/8
Not Used	N905	337	<b>Time</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)	X 1 TM 4/8
Not Used	N906	623	<b>Time Code</b> Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	O 1 ID 2/2

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Not Used	N907	C040	<b>Reference Identifier</b> To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O	1
Not Used	C04001	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	M	ID 2/3
Not Used	C04002	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M	AN 1/50
Not Used	C04003	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 004050 Data Element Dictionary for acceptable code values.	X	ID 2/3
Not Used	C04004	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/50
Not Used	C04005	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 004050 Data Element Dictionary for acceptable code values.	X	ID 2/3
Not Used	C04006	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/50

**Segment:** **MTX** Text  
**Position:** 2900  
**Loop:** N9 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To specify textual data  
**Syntax Notes:** 1 If MTX01 is present, then MTX02 is required.  
 2 If MTX03 is present, then MTX02 is required.  
 3 If MTX05 is present, then MTX04 is required.  
**Semantic Notes:** 1 MTX05 is the number of lines to advance before printing.  
**Comments:** 1 If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Not Used	MTX01	363	<b>Note Reference Code</b> Code identifying the functional area or purpose for which the note applies Refer to 004050 Data Element Dictionary for acceptable code values.	O 1 ID 3/3
	MTX02	1551	<b>Textual Data</b> To transmit large volumes of message text If N901 N902 MTX02 SH STATUS-CODE: Code STATUS-MSG: Status Message 1Q ERROR-CODE: Code ERROR-MSG: Error Message If N901 N902 N903 MTX02 L1 ORI LR REMARKS: FOC/CN Remarks	X 1 AN 1/4096
Not Used	MTX03	1551	<b>Textual Data</b> To transmit large volumes of message text	O 1 AN 1/4096
Not Used	MTX04	934	<b>Printer Carriage Control Code</b> A field to be used for the control of the line feed of the receiving printer Refer to 004050 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
Not Used	MTX05	1470	<b>Number</b> A generic number	O 1 N0 1/9
Not Used	MTX06	819	<b>Language Code</b> Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)	O 1 ID 2/3

**Segment:** **N1 Party Identification**  
**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.

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes
Must Use	N101	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual <b>AT&amp;T valid codes:</b> 78 Service Requester BY Buying Party (Purchaser) DG Design Engineering NN Network Name	M 1 ID 2/3
	N102	93 Name Free-form name <b>If</b> N101 N102 78 CCNA: Customer Carrier Name Abbreviation DG DSGCON: Design/Engrg. Contact NN NNSP	X 1 AN 1/60
	N103	66 Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) <b>AT&amp;T valid codes:</b> 25 Carrier's Customer Code 42 Telecommunications Pseudo Carrier Identification Code	X 1 ID 1/2
	N104	67 Identification Code Code identifying a party or other code <b>If</b> N101 N102 N103 N104 BY 25 CC: Company Code NN NNSP 42 NNSP: New Netwrk Svc. Provider (LNP)	X 1 AN 2/80
Not Used	N105	706 Entity Relationship Code Code describing entity relationship Refer to 004050 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
Not Used	N106	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an	O 1 ID 2/3

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individual

Refer to 004050 Data Element Dictionary for acceptable code values.

**Segment:** **PER** **Administrative Communications Contact**  
**Position:** 3500  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To identify a person or office to whom administrative communications should be directed  
**Syntax Notes:**

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

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

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<b>Must Use</b>	<b>PER01</b>	<b>366</b>	<b>Contact Function Code</b>	<b>M 1 ID 2/2</b>
			Code identifying the major duty or responsibility of the person or group named	
			<b>AT&amp;T valid codes:</b>	
			AG Agent	
			EG Engineering	
	<b>PER02</b>	<b>93</b>	<b>Name</b>	<b>O 1 AN 1/60</b>
			Free-form name	
			<b>If</b>	
			<b>N101 PER01 PER02</b>	
			<b>78 AG INIT: Initiator Identification</b>	
	<b>PER03</b>	<b>365</b>	<b>Communication Number Qualifier</b>	<b>X 1 ID 2/2</b>
			Code identifying the type of communication number	
			<b>AT&amp;T valid code:</b>	
			TE Telephone	
	<b>PER04</b>	<b>364</b>	<b>Communication Number</b>	<b>X 1 AN 1/256</b>
			Complete communications number including country or area code when applicable	
			<b>If</b>	
			<b>PER01 PER03 PER04</b>	
			<b>AG TE INIT-TELNO: Initiator Telephone No.</b>	
			<b>EG TE DSGCON-TEL NO: Design/Engrg. Tele. No.</b>	
<b>Not Used</b>	<b>PER05</b>	<b>365</b>	<b>Communication Number Qualifier</b>	<b>X 1 ID 2/2</b>
			Code identifying the type of communication number	
<b>Not Used</b>	<b>PER06</b>	<b>364</b>	<b>Communication Number</b>	<b>X 1 AN 1/256</b>
			Complete communications number including country or area code when applicable	
<b>Not Used</b>	<b>PER07</b>	<b>365</b>	<b>Communication Number Qualifier</b>	<b>X 1 ID 2/2</b>
			Code identifying the type of communication number	
<b>Not Used</b>	<b>PER08</b>	<b>364</b>	<b>Communication Number</b>	<b>X 1 AN 1/256</b>
			Complete communications number including country or area code when applicable	
<b>Not Used</b>	<b>PER09</b>	<b>443</b>	<b>Contact Inquiry Reference</b>	<b>O 1 AN 1/20</b>
			Additional reference number or description to clarify a contact number	

**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.
- 2 POC03 is quantity ordered.

**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
	POC01	350	<b>Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set	O 1 AN 1/20
<b>Must Use</b>	POC02	670	<b>Change or Response Type Code</b> Code specifying the type of change to the line item <b>AT&amp;T valid code:</b> RZ Replace All Values	M 1 ID 2/2
<b>Not Used</b>	POC03	380	<b>Quantity</b> Numeric value of quantity	O 1 R 1/15
<b>Not Used</b>	POC04	671	<b>Quantity Left to Receive</b> Quantity left to receive as qualified by the unit of measure	X 1 R 1/9
<b>Not Used</b>	POC05	C001	<b>Composite Unit of Measure</b> To identify a composite unit of measure (See Figures Appendix for examples of use)	X 1
<b>Not Used</b>	C00101	355	<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	M ID 2/2
<b>Not Used</b>	C00102	1018	<b>Exponent</b> Power to which a unit is raised	O R 1/15
<b>Not Used</b>	C00103	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10
<b>Not Used</b>	C00104	355	<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	O ID 2/2

Not Used	C00105	1018	<b>Exponent</b> Power to which a unit is raised	O	R 1/15
Not Used	C00106	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O	R 1/10
Not Used	C00107	355	<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 Refer to 004050 Data Element Dictionary for acceptable code values.	O	ID 2/2
Not Used	C00108	1018	<b>Exponent</b> Power to which a unit is raised	O	R 1/15
Not Used	C00109	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O	R 1/10
Not Used	C00110	355	<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 Refer to 004050 Data Element Dictionary for acceptable code values.	O	ID 2/2
Not Used	C00111	1018	<b>Exponent</b> Power to which a unit is raised	O	R 1/15
Not Used	C00112	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O	R 1/10
Not Used	C00113	355	<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 Refer to 004050 Data Element Dictionary for acceptable code values.	O	ID 2/2
Not Used	C00114	1018	<b>Exponent</b> Power to which a unit is raised	O	R 1/15
Not Used	C00115	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O	R 1/10
Not Used	POC06	212	<b>Unit Price</b> Price per unit of product, service, commodity, etc.	X	1 R 1/17
Not Used	POC07	639	<b>Basis of Unit Price Code</b> Code identifying the type of unit price for an item	O	1 ID 2/2
Not Used	POC08	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	1 ID 2/2
Not Used	POC09	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1 AN 1/48
Not Used	POC10	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	1 ID 2/2
Not Used	POC11	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1 AN 1/48
Not Used	POC12	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	1 ID 2/2
Not Used	POC13	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1 AN 1/48
Not Used	POC14	235	<b>Product/Service ID Qualifier</b>	X	1 ID 2/2

			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	POC15	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1 AN 1/48
Not Used	POC16	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	1 ID 2/2
Not Used	POC17	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1 AN 1/48
Not Used	POC18	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	1 ID 2/2
Not Used	POC19	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1 AN 1/48
Not Used	POC20	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	1 ID 2/2
Not Used	POC21	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1 AN 1/48
Not Used	POC22	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	1 ID 2/2
Not Used	POC23	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1 AN 1/48
Not Used	POC24	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	1 ID 2/2
Not Used	POC25	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1 AN 1/48
Not Used	POC26	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	1 ID 2/2
Not Used	POC27	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1 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.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SI01	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values <b>AT&amp;T valid code:</b> TI Telecommunications Industry	<b>M 1 ID 2/2</b>
Must Use	SI02	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics <b>AT&amp;T valid codes:</b> AM Main/Alternative Telephone Number AN Subscriber Access Telephone Number AU Personal Identifier BR Directory Listings Type of Account CM Local Service Provider Circuit Number CN Circuit Number Identification Code CU Channel Pair Identifier DD Digits Out DG Degree of Intent HG Hunt Group IT Ported Telephone Number K1 System ID K2 Cable Identification K3 Shelf K4 Slot K5 Relay Rack K6 Channel/Pair K9 Cable Identification 2	<b>M 1 AN 2/3</b>

LB Listing Activity Type  
 LE Listing Type  
 LN Listed Telephone Number  
 LO Local Exchange Carrier Serving Office Code  
 ND Disconnect Number  
 NS Non-Standard Telephone Number  
 NT Shared Line Telephone Number  
 OT Out Telephone Number  
 RI Route Index  
 SA Service Activity Code  
 SN ISDN Service Profile Identifier (ISPID)  
 T5 Terminal Number  
 TH Trunk Group Number  
 TK Trunk Number  
 TN Telephone Number  
 TQ Telephone Line Identifier  
 TW Style Code  
 TZ Number Type

**Must Use**      **SI03**      **234**      **Product/Service ID**      **M**      **1**      **AN 1/48**

Identifying number for a product or service

If  
 SI02 SI03  
 AM MATN: Main/Alternate Telephone Number  
 AN SAT: Subscriber Access Telephone Number  
 AU PID: Personal Identifier  
 BR TOA: Type of Account  
 CM CKR: Customer Circuit Reference  
 CN ECCKT: Exchange Company Circuit ID  
 CU CHAN/PAIR2: Channel Pair 2  
 DD DO: Digits Out  
 DG DOI: Degree of Indent  
 HG HID: Hunt Group ID  
 IT PORTED NBR: Ported Number  
 K1 SYSTEM ID: System ID  
 K2 CABLE ID: Cable ID  
 K3 SHELF: Shelf  
 K4 SLOT: Slot  
 K5 RELAY RACK: Relay Rack  
 K6 CHAN/PAIR: Channel/Pair  
 K9 CABLE ID2: Cable ID 2  
 LB LACT: Listing Activity Type  
 LE LTY: Listing Type  
 LN LTN: Listed Telephone Number  
 LO LST: Local Service Termination  
 ND DISC NBR: Disconnect Telephone Number  
 NS NSTN: Non Standard Telephone Number  
 NT SLTN: Shared Line Telephone Number  
 OT OTN or OTNS: Out Telephone Number(s)  
 RI RTI: Route Index or  
 RI RIN: Route Index Number  
 SA HA: Hunt Group Activity  
 SN ISPID: ISDN Service Profile Identification  
 T5 TERS: Terminal Number(s)  
 TH DTGN: Trunk Group Number or

		<b>TH</b>	<b>TGN: Trunk Group Number</b>			
		<b>TK</b>	<b>TKID: Trunk ID</b>			
		<b>TN</b>	<b>TNS: Telephone Numbers</b>			
		<b>TQ</b>	<b>TLI: Telephone Line Identifier or</b>			
		<b>TQ</b>	<b>LTLI: Lead Telephone Line Identifier</b>			
		<b>TW</b>	<b>STYC: Style Code</b>			
		<b>TZ</b>	<b>NOTYP: Number Type</b>			
<b>SI04</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>		<b>X</b>	<b>1</b>	<b>AN 2/3</b>
		Code from an industry code list qualifying the type of service characteristics				
		See S102 for list of valid codes				
<b>SI05</b>	<b>234</b>	<b>Product/Service ID</b>		<b>X</b>	<b>1</b>	<b>AN 1/48</b>
		Identifying number for a product or service				
		See S103 for list of valid entries				
<b>SI06</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>		<b>X</b>	<b>1</b>	<b>AN 2/3</b>
		Code from an industry code list qualifying the type of service characteristics				
		See S102 for list of valid codes				
<b>SI07</b>	<b>234</b>	<b>Product/Service ID</b>		<b>X</b>	<b>1</b>	<b>AN 1/48</b>
		Identifying number for a product or service				
		See S103 for list of valid entries				
<b>SI08</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>		<b>X</b>	<b>1</b>	<b>AN 2/3</b>
		Code from an industry code list qualifying the type of service characteristics				
		See S102 for list of valid codes				
<b>SI09</b>	<b>234</b>	<b>Product/Service ID</b>		<b>X</b>	<b>1</b>	<b>AN 1/48</b>
		Identifying number for a product or service				
		See S103 for list of valid entries				
<b>SI10</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>		<b>X</b>	<b>1</b>	<b>AN 2/3</b>
		Code from an industry code list qualifying the type of service characteristics				
		See S102 for list of valid codes				
<b>SI11</b>	<b>234</b>	<b>Product/Service ID</b>		<b>X</b>	<b>1</b>	<b>AN 1/48</b>
		Identifying number for a product or service				
		See S103 for list of valid entries				
<b>SI12</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>		<b>X</b>	<b>1</b>	<b>AN 2/3</b>
		Code from an industry code list qualifying the type of service characteristics				
		See S102 for list of valid codes				
<b>SI13</b>	<b>234</b>	<b>Product/Service ID</b>		<b>X</b>	<b>1</b>	<b>AN 1/48</b>
		Identifying number for a product or service				
		See S103 for list of valid entries				
<b>SI14</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>		<b>X</b>	<b>1</b>	<b>AN 2/3</b>
		Code from an industry code list qualifying the type of service characteristics				
		See S102 for list of valid codes				
<b>SI15</b>	<b>234</b>	<b>Product/Service ID</b>		<b>X</b>	<b>1</b>	<b>AN 1/48</b>
		Identifying number for a product or service				
		See S103 for list of valid entries				
<b>SI16</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>		<b>X</b>	<b>1</b>	<b>AN 2/3</b>
		Code from an industry code list qualifying the type of service characteristics				
		See S102 for list of valid codes				
<b>SI17</b>	<b>234</b>	<b>Product/Service ID</b>		<b>X</b>	<b>1</b>	<b>AN 1/48</b>

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		Identifying number for a product or service			
		<b>See S103 for list of valid entries</b>			
<b>SI18</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>1</b>	<b>AN 2/3</b>
		Code from an industry code list qualifying the type of service characteristics			
		<b>See S102 for list of valid codes</b>			
<b>SI19</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>1</b>	<b>AN 1/48</b>
		Identifying number for a product or service			
		<b>See S103 for list of valid entries</b>			
<b>SI20</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>1</b>	<b>AN 2/3</b>
		Code from an industry code list qualifying the type of service characteristics			
		<b>See S102 for list of valid codes</b>			
<b>SI21</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>1</b>	<b>AN 1/48</b>
		Identifying number for a product or service			
		<b>See S103 for list of valid entries</b>			

<b>Segment:</b>	<b>PID</b>	<b>Product/Item Description</b>
<b>Position:</b>	0500	
<b>Loop:</b>	PID	Optional
<b>Level:</b>	Detail	
<b>Usage:</b>	Optional	
<b>Max Use:</b>	1	
<b>Purpose:</b>	To describe a product or process in coded or free-form format	
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If PID04 is present, then PID03 is required.</li> <li>2 At least one of PID04 or PID05 is required.</li> <li>3 If PID07 is present, then PID03 is required.</li> <li>4 If PID08 is present, then PID04 is required.</li> <li>5 If PID09 is present, then PID05 is required.</li> </ol>	
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 Use PID03 to indicate the organization that publishes the code list being referred to.</li> <li>2 PID04 should be used for industry-specific product description codes.</li> <li>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.</li> <li>4 PID09 is used to identify the language being used in PID05.</li> </ol>	
<b>Comments:</b>	<ol style="list-style-type: none"> <li>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.</li> <li>2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.</li> <li>3 PID07 specifies the individual code list of the agency specified in PID03.</li> </ol>	

**Data Element Summary**

<b>Ref. Des.</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>
<b>Must Use</b>	<b>PID01</b>	<b>349 Item Description Type</b> Code indicating the format of a description <b>AT&amp;T valid code:</b> X Semi-structured (Code and Text)	<b>M 1 ID 1/1</b>
<b>Not Used</b>	<b>PID02</b>	<b>750 Product/Process Characteristic Code</b> Code identifying the general class of a product or process characteristic Refer to 004050 Data Element Dictionary for acceptable code values.	<b>O 1 ID 2/3</b>
	<b>PID03</b>	<b>559 Agency Qualifier Code</b> Code identifying the agency assigning the code values <b>AT&amp;T valid code:</b> TI Telecommunications Industry	<b>X 1 ID 2/2</b>
	<b>PID04</b>	<b>751 Product Description Code</b> A code from an industry code list which provides specific data about a product characteristic <b>AT&amp;T valid code:</b> CFA Connecting Facility Assignment SCFA Secondary Connecting Facility Assignment	<b>X 1 AN 1/12</b>
	<b>PID05</b>	<b>352 Description</b> A free-form description to clarify the related data elements and their content <b>If</b> <b>PID04 PID05</b> <b>CFA CFA: Connecting Facility Assignment</b>	<b>X 1 AN 1/80</b>

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		<b>SCFA SCFA: Secondary Connecting Facility Assignment</b>	
<b>Not Used</b>	<b>PID06</b>	<b>752</b>	<b>Surface/Layer/Position Code</b> <b>O 1 ID 2/2</b> Code indicating the product surface, layer or position that is being described
<b>Not Used</b>	<b>PID07</b>	<b>822</b>	<b>Source Subqualifier</b> <b>O 1 AN 1/15</b> A reference that indicates the table or text maintained by the Source Qualifier
<b>Not Used</b>	<b>PID08</b>	<b>1073</b>	<b>Yes/No Condition or Response Code</b> <b>O 1 ID 1/1</b> Code indicating a Yes or No condition or response
<b>Not Used</b>	<b>PID09</b>	<b>819</b>	<b>Language Code</b> <b>O 1 ID 2/3</b> Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)

**Segment:** **REF** Reference Information  
**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:**

**Data Element Summary**

Must Use	Ref. Des.	Data Element	Name	Attributes
	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification <b>AT&amp;T valid codes:</b> 11 Account Number 9F Referral Number IX Item Number LI Line Item Identifier (Seller's) OW Service Order Number	M 1 ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <b>If</b> REF01 REF03 REF02 9F NPORD: Number Portability Order Number 11 LEAN LEAN: Line Existing Account Number 11 LEATN LEATN: Line Existing Account Tele. No. IX DNUM DNUM: Disconnect Line Reference No. IX DLNUM DLNUM: Directory Listing Reference No. IX HNUM HNUM: Hunt Line Number IX LNUM LNUM: Line Number IX LNEX LNEX: Line Number Extention IX LOCNUM_HUNT LOCNUM-HUNT: Location Number (Hunting) IX LOCNUM_DID LOCNUM-DID: Location Number (DID) IX LOCNUM_SVCS LOCNUM-SVCS: Location Number (Services) IX RNUM RNUM: Reference Number LI ALI: Alpha/Numeric Reference OW LORD L-ORD: Loop Order Number OW DLORD DLORD: Directory Listing Order Number (LNP only)	X 1 AN 1/50
	REF03	352	Description A free-form description to clarify the related data elements and their content <b>If</b> REF01 REF03 11 LEAN or LEATN IX DNUM, DLNUM, HNUM, LNUM, LNEX, LOCNUM_HUNT, LOCNUM_DID, LOCNUM_SVCS, or RNUM OW LORD or DLORD	X 1 AN 1/80

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Not Used	REF04	C040	<b>Reference Identifier</b> To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O	1
Not Used	C04001	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 004050 Data Element Dictionary for acceptable code values.	M	ID 2/3
Not Used	C04002	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M	AN 1/50
Not Used	C04003	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 004050 Data Element Dictionary for acceptable code values.	X	ID 2/3
Not Used	C04004	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/50
Not Used	C04005	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 004050 Data Element Dictionary for acceptable code values.	X	ID 2/3
Not Used	C04006	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/50

**Segment:** **QTY** **Quantity Information**  
**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:**

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	QTY01	673	<b>Quantity Qualifier</b> Code specifying the type of quantity <b>AT&amp;T valid code:</b> FJ Trunked Channels	M 1 ID 2/2
	QTY02	380	<b>Quantity</b> Numeric value of quantity <b>If</b> QTY01 QTY02 FJ TKQ: Trunk Quantity	X 1 R 1/15
	QTY03	C001	<b>Composite Unit of Measure</b> To identify a composite unit of measure (See Figures Appendix for examples of use)	O 1
Must Use	C00101	355	<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 <b>AT&amp;T valid code:</b> EA Each	M ID 2/2
Not Used	C00102	1018	<b>Exponent</b> Power to which a unit is raised	O R 1/15
Not Used	C00103	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00104	355	<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 Refer to 004050 Data Element Dictionary for acceptable code values.	O ID 2/2
Not Used	C00105	1018	<b>Exponent</b> Power to which a unit is raised	O R 1/15
Not Used	C00106	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00107	355	<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 Refer to 004050 Data Element Dictionary for acceptable code values.	O ID 2/2

Not Used	C00108	1018	<b>Exponent</b> Power to which a unit is raised	O	R 1/15
Not Used	C00109	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O	R 1/10
Not Used	C00110	355	<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 Refer to 004050 Data Element Dictionary for acceptable code values.	O	ID 2/2
Not Used	C00111	1018	<b>Exponent</b> Power to which a unit is raised	O	R 1/15
Not Used	C00112	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O	R 1/10
Not Used	C00113	355	<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 Refer to 004050 Data Element Dictionary for acceptable code values.	O	ID 2/2
Not Used	C00114	1018	<b>Exponent</b> Power to which a unit is raised	O	R 1/15
Not Used	C00115	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O	R 1/10
Not Used	QTY04	61	<b>Free-Form Message</b> Free-form information	X	1 AN 1/30

**Segment:** **N9** **Extended Reference Information**  
**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:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N901	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification <b>AT&amp;T valid code:</b> 82 Data Item Description (DID) Reference	M 1 ID 2/3
	N902	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <b>If</b> N901 N902 82 LTXTY or WPP	X 1 AN 1/50
	N903	369	<b>Free-form Description</b> Free-form descriptive text <b>If</b> N901 N902 N903 82 LTXTY LTXTY: Listing Text Type	X 1 AN 1/45
Not Used	N904	373	<b>Date</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	O 1 DT 8/8
Not Used	N905	337	<b>Time</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)	X 1 TM 4/8
Not Used	N906	623	<b>Time Code</b> Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	O 1 ID 2/2
	N907	C040	<b>Reference Identifier</b> To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O 1
Must Use	C04001	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	M ID 2/3

		<b>AT&amp;T valid code:</b>			
		55	Sequence Number		
<b>Must Use</b>	<b>C04002</b>	<b>127</b>	<b>Reference Identification</b>	<b>M</b>	<b>AN 1/50</b>
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			If		
			N901 N902 N907 N907 (C040:1) (C040:2)		
			82 LTTY 55 LTXNUM: Line of Text Reference No.		
	<b>C04003</b>	<b>128</b>	<b>Reference Identification Qualifier</b>	<b>X</b>	<b>ID 2/3</b>
			Code qualifying the Reference Identification		
	<b>C04004</b>	<b>127</b>	<b>Reference Identification</b>	<b>X</b>	<b>AN 1/50</b>
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
	<b>C04005</b>	<b>128</b>	<b>Reference Identification Qualifier</b>	<b>X</b>	<b>ID 2/3</b>
			Code qualifying the Reference Identification		
	<b>C04006</b>	<b>127</b>	<b>Reference Identification</b>	<b>X</b>	<b>AN 1/50</b>
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

**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.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Not Used	MTX01	363	<b>Note Reference Code</b> Code identifying the functional area or purpose for which the note applies Refer to 004050 Data Element Dictionary for acceptable code values.	O 1 ID 3/3
	MTX02	1551	<b>Textual Data</b> To transmit large volumes of message text  If N901 N902 N903 MTX02 82 WPP WPP: White Page Products 82 LTXTY LTXTY value LPHRASE: Listing Phrase * 82 LTXTY LTXTY value LTEXT: Line of Text **  * LPHRASE passed when LTXTY N903 value = "TT or "OP" **LTEXT passed when LTXTY N903 value not = "TT" or "OP"	X 1 AN 1/4096
Not Used	MTX03	1551	<b>Textual Data</b> To transmit large volumes of message text	O 1 AN 1/4096
Not Used	MTX04	934	<b>Printer Carriage Control Code</b> A field to be used for the control of the line feed of the receiving printer Refer to 004050 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
Not Used	MTX05	1470	<b>Number</b> A generic number	O 1 N0 1/9
Not Used	MTX06	819	<b>Language Code</b> Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)	O 1 ID 2/3

**Segment:** **N1 Party Identification**  
**Position:** 3700  
**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.

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes
Must Use	N101	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual <b>AT&amp;T valid code:</b> DH Doing Business As	M 1 ID 2/3
	N102	93 Name Free-form name <b>If</b> N101 N102 DH LISTNM: Listed Name	X 1 AN 1/60
	N103	66 Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) <b>AT&amp;T valid code:</b> 12 Telephone Number (Phone)	X 1 ID 1/2
	N104	67 Identification Code Code identifying a party or other code <b>If</b> N101 N103 N104 DH 12 LTN: Listed Telephone Number (see also POC/SI segment)	X 1 AN 2/80
Not Used	N105	706 Entity Relationship Code Code describing entity relationship Refer to 004050 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
Not Used	N106	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual Refer to 004050 Data Element Dictionary for acceptable code values.	O 1 ID 2/3

**Segment:** **N2** Additional Name Information  
**Position:** 3800  
**Loop:** N1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify additional names  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:** Multiple occurrences of the N2 segment may be required to pass LISTNM data.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N201	93	Name Free-form name	M 1 AN 1/60
			If N101 N102 N201 DH LISTNM: overflow LISTNM: Listed Name	
	N202	93	Name Free-form name	O 1 AN 1/60
			If N101 N102 N201 N202 DH LISTNM: LISTNM: overflow LISTNM: Listed Name	

**Segment:** **N3** Party Location  
**Position:** 3900  
**Loop:** N1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:** Multiple occurrences of the N3 segment may be required to pass LISTADR data.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N301	166	Address Information Address information	M 1 AN 1/55
			If N101 N301 DH LISTADR: Listed Address	
	N302	166	Address Information Address information	O 1 AN 1/55
			If N101 N301 N302 DH LISTADR: overflow LISTADR: Listed Address	

- 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.

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	SLN01	350 <b>Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set	M 1 AN 1/20
Not Used	SLN02	350 <b>Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set	O 1 AN 1/20
Must Use	SLN03	662 <b>Relationship Code</b> Code indicating the relationship between entities	M 1 ID 1/1
<b>AT&amp;T valid codes:</b>			
		A Add	
		D Delete	
		I Included	
Not Used	SLN04	380 <b>Quantity</b> Numeric value of quantity	X 1 R 1/15
Not Used	SLN05	C001 <b>Composite Unit of Measure</b> To identify a composite unit of measure (See Figures Appendix for examples)	X 1

Not Used	C00101	355	of use) <b>Unit or Basis for Measurement Code</b>	M	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	C00102	1018	<b>Exponent</b>	O	R 1/15
			Power to which a unit is raised		
Not Used	C00103	649	<b>Multiplier</b>	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	C00104	355	<b>Unit or Basis for Measurement Code</b>	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004050 Data Element Dictionary for acceptable code values.		
Not Used	C00105	1018	<b>Exponent</b>	O	R 1/15
			Power to which a unit is raised		
Not Used	C00106	649	<b>Multiplier</b>	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	C00107	355	<b>Unit or Basis for Measurement Code</b>	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004050 Data Element Dictionary for acceptable code values.		
Not Used	C00108	1018	<b>Exponent</b>	O	R 1/15
			Power to which a unit is raised		
Not Used	C00109	649	<b>Multiplier</b>	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	C00110	355	<b>Unit or Basis for Measurement Code</b>	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004050 Data Element Dictionary for acceptable code values.		
Not Used	C00111	1018	<b>Exponent</b>	O	R 1/15
			Power to which a unit is raised		
Not Used	C00112	649	<b>Multiplier</b>	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	C00113	355	<b>Unit or Basis for Measurement Code</b>	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004050 Data Element Dictionary for acceptable code values.		
Not Used	C00114	1018	<b>Exponent</b>	O	R 1/15
			Power to which a unit is raised		
Not Used	C00115	649	<b>Multiplier</b>	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	SLN06	212	<b>Unit Price</b>	X	1 R 1/17
			Price per unit of product, service, commodity, etc.		
Not Used	SLN07	639	<b>Basis of Unit Price Code</b>	O	1 ID 2/2
			Code identifying the type of unit price for an item		
Not Used	SLN08	662	<b>Relationship Code</b>	O	1 ID 1/1
			Code indicating the relationship between entities		
Not Used	SLN09	235	<b>Product/Service ID Qualifier</b>	X	1 ID 2/2

			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	SLN10	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1 AN 1/48
Not Used	SLN11	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	1 ID 2/2
Not Used	SLN12	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1 AN 1/48
Not Used	SLN13	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	1 ID 2/2
Not Used	SLN14	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1 AN 1/48
Not Used	SLN15	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	1 ID 2/2
Not Used	SLN16	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1 AN 1/48
Not Used	SLN17	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	1 ID 2/2
Not Used	SLN18	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1 AN 1/48
Not Used	SLN19	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	1 ID 2/2
Not Used	SLN20	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1 AN 1/48
Not Used	SLN21	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	1 ID 2/2
Not Used	SLN22	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1 AN 1/48
Not Used	SLN23	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	1 ID 2/2
Not Used	SLN24	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1 AN 1/48
Not Used	SLN25	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	1 ID 2/2
Not Used	SLN26	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1 AN 1/48
Not Used	SLN27	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	1 ID 2/2
Not Used	SLN28	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1 AN 1/48

**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.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SI01	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values <b>AT&amp;T valid code:</b> TI Telecommunications Industry	M 1 ID 2/2
Must Use	SI02	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics <b>AT&amp;T valid code:</b> HT Hunting Telephone Number	M 1 AN 2/3
Must Use	SI03	234	<b>Product/Service ID</b> Identifying number for a product or service <b>If</b> SI02 SI03 <b>HT HTN: Hunting Telephone Number</b>	M 1 AN 1/48
Not Used	SI04	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	X 1 AN 2/3
Not Used	SI05	234	<b>Product/Service ID</b> Identifying number for a product or service	X 1 AN 1/48
Not Used	SI06	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	X 1 AN 2/3
Not Used	SI07	234	<b>Product/Service ID</b> Identifying number for a product or service	X 1 AN 1/48
Not Used	SI08	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	X 1 AN 2/3
Not Used	SI09	234	<b>Product/Service ID</b> Identifying number for a product or service	X 1 AN 1/48
Not Used	SI10	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	X 1 AN 2/3

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Not Used	SI11	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1	AN 1/48
Not Used	SI12	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	X	1	AN 2/3
Not Used	SI13	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1	AN 1/48
Not Used	SI14	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	X	1	AN 2/3
Not Used	SI15	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1	AN 1/48
Not Used	SI16	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	X	1	AN 2/3
Not Used	SI17	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1	AN 1/48
Not Used	SI18	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	X	1	AN 2/3
Not Used	SI19	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1	AN 1/48
Not Used	SI20	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	X	1	AN 2/3
Not Used	SI21	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1	AN 1/48

**Segment:** **N9** **Extended Reference Information**  
**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:**

Data Element Summary				
	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N901	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification <b>AT&amp;T valid code:</b> 55 Sequence Number	M 1 ID 2/3
	N902	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <b>If</b> N901 N903 N902 55 HTSEQ HTSEQ: Hunting Sequence	X 1 AN 1/50
	N903	369	<b>Free-form Description</b> Free-form descriptive text <b>If</b> N901 N903 55 HTSEQ	X 1 AN 1/45
Not Used	N904	373	<b>Date</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	O 1 DT 8/8
Not Used	N905	337	<b>Time</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)	X 1 TM 4/8
Not Used	N906	623	<b>Time Code</b> Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004050 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
Not Used	N907	C040	<b>Reference Identifier</b> To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O 1
Not Used	C04001	128	<b>Reference Identification Qualifier</b>	M ID 2/3

AT&T Alabama, AT&T Florida, AT&T Georgia, AT&T Kentucky, AT&T Louisiana, AT&T Mississippi, AT&T North Carolina, AT&T South Carolina and AT&T Tennessee (collectively referred to for purposes of this document as "AT&T")

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			Code qualifying the Reference Identification Refer to 004050 Data Element Dictionary for acceptable code values.		
<b>Not Used</b>	<b>C04002</b>	<b>127</b>	<b>Reference Identification</b>	<b>M</b>	<b>AN 1/50</b>
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
<b>Not Used</b>	<b>C04003</b>	<b>128</b>	<b>Reference Identification Qualifier</b>	<b>X</b>	<b>ID 2/3</b>
			Code qualifying the Reference Identification Refer to 004050 Data Element Dictionary for acceptable code values.		
<b>Not Used</b>	<b>C04004</b>	<b>127</b>	<b>Reference Identification</b>	<b>X</b>	<b>AN 1/50</b>
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
<b>Not Used</b>	<b>C04005</b>	<b>128</b>	<b>Reference Identification Qualifier</b>	<b>X</b>	<b>ID 2/3</b>
			Code qualifying the Reference Identification Refer to 004050 Data Element Dictionary for acceptable code values.		
<b>Not Used</b>	<b>C04006</b>	<b>127</b>	<b>Reference Identification</b>	<b>X</b>	<b>AN 1/50</b>
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

**Segment:** **CTT Transaction Totals**  
**Position:** 0100  
**Loop:** CTT Mandatory  
**Level:** Summary  
**Usage:** Mandatory  
**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.

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	CTT01	354	<b>Number of Line Items</b> Total number of line items in the transaction set	M 1 N0 1/6
Not Used	CTT02	347	<b>Hash Total</b> Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.  Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash Total	O 1 R 1/10
Not Used	CTT03	81	<b>Weight</b> Numeric value of weight	X 1 R 1/10
Not Used	CTT04	355	<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 Refer to 004050 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
Not Used	CTT05	183	<b>Volume</b> Value of volumetric measure	X 1 R 1/8
Not Used	CTT06	355	<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 Refer to 004050 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
Not Used	CTT07	352	<b>Description</b> A free-form description to clarify the related data elements and their content	O 1 AN 1/80

**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.

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SE01	96	<b>Number of Included Segments</b> Total number of segments included in a transaction set including ST and SE segments	M 1 N0 1/10
Must Use	SE02	329	<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 The value of this data element in SE02 in the Transaction Set Trailer (SE) must match the value of this same data element in ST02 in the Transaction Set Header (ST).	M 1 AN 4/9