

# 850 Purchase Order

Functional Group ID=**PO**

## Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Transaction Set (850) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the placement of purchase orders for goods and services. This transaction set should not be used to convey purchase order changes or purchase order acknowledgment information.

## 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.)
5. AT&T employs the industry "A6" list of codes in a DE 235/234 pair of the PO1 data segment to assist in proper identification of detail data.
6. AT&T's usage of this transaction set for Local Exchange Ordering allows submission without Detail information. The 850 transaction set can contain Heading and Summary information only. If Detail information is included, the PO1 segment is required.

## 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	BEG	Beginning Segment for Purchase Order	M	1		
Not Used	0400	CUR	Currency	O	1		
	0500	REF	Reference Identification	O	>1		
Not Used	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		
	0950	PAM	Period Amount	O	10		
Not Used	1100	CSH	Sales Requirements	O	5		
Not Used	1150	TC2	Commodity	O	>1		

LOOP ID - SAC 25

	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	>1	
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	
	2100	PWK	Paperwork	O	25	
Not Used	2200	PKG	Marking, Packaging, Loading	O	200	
Not Used	2300	TD1	Carrier Details (Quantity and Weight)	O	2	
Not Used	2400	TD5	Carrier Details (Routing Sequence/Transit Time)	O	>1	
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	2700	MAN	Marks and Numbers	O	10	
Not Used	2760	PCT	Percent Amounts	O	>1	
Not Used	2800	CTB	Restrictions/Conditions	O	5	
Not Used	2850	TXI	Tax Information	O	>1	
<b>LOOP ID - LDT</b>					<b>&gt;1</b>	
Not Used	2855	LDT	Lead Time	O	1	
Not Used	2858	QTY	Quantity	O	>1	
Not Used	2860	MTX	Text	O	>1	
Not Used	2865	REF	Reference Identification	O	>1	
<b>LOOP ID - AMT</b>					<b>&gt;1</b>	
Not Used	2870	AMT	Monetary Amount	O	1	
Not Used	2890	REF	Reference Identification	O	>1	
Not Used	2900	DTM	Date/Time Reference	O	1	
Not Used	2920	PCT	Percent Amounts	O	>1	
<b>LOOP ID - FA1</b>					<b>&gt;1</b>	
Not Used	2930	FA1	Type of Financial Accounting Data	O	1	
Not Used	2940	FA2	Accounting Data	M	>1	
<b>LOOP ID - N9</b>					<b>1000</b>	
	2950	N9	Reference Identification	O	1	
Not Used	2970	DTM	Date/Time Reference	O	>1	
	3000	MTX	Text	O	>1	
Not Used	3050	PWK	Paperwork	O	>1	
Not Used	3080	EF1	Electronic Format Identification	O	>1	
<b>LOOP ID - N1</b>					<b>200</b>	
	3100	N1	Name	O	1	
	3200	N2	Additional Name Information	O	2	
Not Used	3250	IN2	Individual Name Structure Components	O	>1	

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	3300	N3	Address Information	O	2
	3400	N4	Geographic Location	O	>1
	3450	NX2	Location ID Component	O	>1
	3500	REF	Reference Identification	O	12
	3600	PER	Administrative Communications Contact	O	>1
	3650	SI	Service Characteristic Identification	O	>1
Not Used	3700	FOB	F.O.B. Related Instructions	O	1
Not Used	3800	TD1	Carrier Details (Quantity and Weight)	O	2
Not Used	3900	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
Not Used	4000	TD3	Carrier Details (Equipment)	O	12
Not Used	4100	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
Not Used	4200	PKG	Marking, Packaging, Loading	O	200
<b>LOOP ID - LM</b>					<b>&gt;1</b>
Not Used	4300	LM	Code Source Information	O	1
Not Used	4400	LQ	Industry Code	M	>1
<b>LOOP ID - SPI</b>					<b>&gt;1</b>
Not Used	4500	SPI	Specification Identifier	O	1
Not Used	4600	REF	Reference Identification	O	5
Not Used	4700	DTM	Date/Time Reference	O	5
Not Used	4800	MTX	Text	O	>1
<b>LOOP ID - N1</b>					<b>20</b>
Not Used	4900	N1	Name	O	1
Not Used	5000	N2	Additional Name Information	O	2
Not Used	5100	N3	Address Information	O	2
Not Used	5200	N4	Geographic Location	O	1
Not Used	5300	REF	Reference Identification	O	20
Not Used	5400	G61	Contact	O	1
Not Used	5500	MTX	Text	O	>1
<b>LOOP ID - CB1</b>					<b>&gt;1</b>
Not Used	5600	CB1	Contract and Cost Accounting Standards Data	O	1
Not Used	5700	REF	Reference Identification	O	20
Not Used	5800	DTM	Date/Time Reference	O	5
Not Used	5900	LDT	Lead Time	O	1
Not Used	6000	MTX	Text	O	>1
<b>LOOP ID - ADV</b>					<b>&gt;1</b>
Not Used	6100	ADV	Advertising Demographic Information	O	1
Not Used	6200	DTM	Date/Time Reference	O	>1
Not Used	6300	MTX	Text	O	>1

**Detail:**

<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
		LOOP ID - PO1			100000	

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	0100	PO1	Baseline Item Data	O	1	n2
Not Used	0150	LIN	Item Identification	O	>1	
	0180	SI	Service Characteristic Identification	O	>1	
Not Used	0200	CUR	Currency	O	1	
Not Used	0250	CN1	Contract Information	O	1	
Not Used	0300	PO3	Additional Item Detail	O	25	
<b>LOOP ID - CTP</b>						<b>&gt;1</b>
Not Used	0400	CTP	Pricing Information	O	1	
Not Used	0430	CUR	Currency	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	0900	PO4	Item Physical Details	O	>1	
	1000	REF	Reference Identification	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	1370	CTP	Pricing Information	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	IT3	Additional Item Data	O	5	
	2100	DTM	Date/Time Reference	O	10	
Not Used	2350	TC2	Commodity	O	>1	
Not Used	2400	TD1	Carrier Details (Quantity and Weight)	O	1	
Not Used	2500	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	2600	TD3	Carrier Details (Equipment)	O	12	
Not Used	2700	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
Not Used	2760	PCT	Percent Amounts	O	>1	
Not Used	2800	MAN	Marks and Numbers	O	10	
Not Used	2890	MTX	Text	O	>1	
Not Used	2900	SPI	Specification Identifier	O	>1	
Not Used	2910	TXI	Tax Information	O	>1	
Not Used	2920	CTB	Restrictions/Conditions	O	>1	

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LOOP ID - QTY			>1		
	2930	QTY	Quantity	O	1
Not Used	2940	SI	Service Characteristic Identification	O	>1
LOOP ID - SCH			200		
Not Used	2950	SCH	Line Item Schedule	O	1 n3
Not Used	2960	TD1	Carrier Details (Quantity and Weight)	O	2
Not Used	2970	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
Not Used	2980	TD3	Carrier Details (Equipment)	O	12
Not Used	2990	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
Not Used	3000	REF	Reference Identification	O	>1
LOOP ID - PKG			200		
Not Used	3050	PKG	Marking, Packaging, Loading	O	1
Not Used	3100	MEA	Measurements	O	>1
Not Used	3200	LS	Loop Header	O	1
LOOP ID - LDT			>1		
Not Used	3210	LDT	Lead Time	O	1
Not Used	3220	QTY	Quantity	O	>1
Not Used	3230	MTX	Text	O	>1
Not Used	3240	REF	Reference Identification	O	3
LOOP ID - LM			>1		
Not Used	3250	LM	Code Source Information	O	1
Not Used	3260	LQ	Industry Code	M	>1
Not Used	3270	LE	Loop Trailer	O	1
LOOP ID - N9			1000		
	3300	N9	Reference Identification	O	1
Not Used	3320	DTM	Date/Time Reference	O	>1
Not Used	3350	MEA	Measurements	O	40
	3400	MTX	Text	O	>1
Not Used	3450	PWK	Paperwork	O	>1
Not Used	3480	EF1	Electronic Format Identification	O	>1
LOOP ID - N1			200		
	3500	N1	Name	O	1
Not Used	3600	N2	Additional Name Information	O	2
	3650	IN2	Individual Name Structure Components	O	>1
Not Used	3700	N3	Address Information	O	2
	3800	N4	Geographic Location	O	1
Not Used	3830	QTY	Quantity	O	>1
	3850	NX2	Location ID Component	O	>1
	3900	REF	Reference Identification	O	12
	4000	PER	Administrative Communications Contact	O	3
	4050	SI	Service Characteristic Identification	O	>1
Not Used	4060	DTM	Date/Time Reference	O	1

Not Used	4100	FOB	F.O.B. Related Instructions	O	1
Not Used	4150	SCH	Line Item Schedule	O	200
Not Used	4200	TD1	Carrier Details (Quantity and Weight)	O	2
Not Used	4300	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
Not Used	4400	TD3	Carrier Details (Equipment)	O	12
Not Used	4500	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
Not Used	4600	PKG	Marking, Packaging, Loading	O	200
LOOP ID - LDT					>1
Not Used	4620	LDT	Lead Time	O	1
Not Used	4640	MAN	Marks and Numbers	O	10
Not Used	4660	QTY	Quantity	O	5
Not Used	4680	MTX	Text	O	>1
Not Used	4690	REF	Reference Identification	O	3
LOOP ID - SLN					1000
	4700	SLN	Subline Item Detail	O	1
Not Used	4750	MTX	Text	O	>1
	4800	SI	Service Characteristic Identification	O	>1
	4900	PID	Product/Item Description	O	1000
Not Used	5000	PO3	Additional Item Detail	O	104
Not Used	5050	TC2	Commodity	O	>1
Not Used	5130	ADV	Advertising Demographic Information	O	>1
Not Used	5150	DTM	Date/Time Reference	O	10
Not Used	5160	CTP	Pricing Information	O	25
Not Used	5170	PAM	Period Amount	O	10
Not Used	5180	PO4	Item Physical Details	O	1
Not Used	5190	TAX	Tax Reference	O	3
LOOP ID - N9					>1
	5230	N9	Reference Identification	O	1
Not Used	5240	DTM	Date/Time Reference	O	>1
	5250	MTX	Text	O	>1
LOOP ID - SAC					25
Not Used	5260	SAC	Service, Promotion, Allowance, or Charge Information	O	1
Not Used	5270	CUR	Currency	O	1
Not Used	5280	CTP	Pricing Information	O	1
LOOP ID - QTY					>1
	5290	QTY	Quantity	O	1
Not Used	5300	SI	Service Characteristic Identification	O	>1
LOOP ID - N1					10
	5350	N1	Name	O	1
Not Used	5400	N2	Additional Name Information	O	2
Not Used	5450	IN2	Individual Name Structure Components	O	>1
Not Used	5500	N3	Address Information	O	2

Not Used	5600	N4	Geographic Location	O	1
Not Used	5700	NX2	Location ID Component	O	>1
	5800	REF	Reference Identification	O	12
Not Used	5900	PER	Administrative Communications Contact	O	3
Not Used	5950	SI	Service Characteristic Identification	O	>1
<b>LOOP ID - AMT</b>					<b>&gt;1</b>
Not Used	6000	AMT	Monetary Amount	O	1
Not Used	6100	REF	Reference Identification	O	1
Not Used	6120	PCT	Percent Amounts	O	>1
<b>LOOP ID - LM</b>					<b>&gt;1</b>
Not Used	6200	LM	Code Source Information	O	1
Not Used	6300	LQ	Industry Code	M	>1

**Summary:**

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
	<b>LOOP ID - CTT</b>					<b>1</b>	
Must Use	0100	CTT	Transaction Totals	M	1		n4
Not Used	0200	AMT	Monetary Amount	O	1		n5
Must Use	0300	SE	Transaction Set Trailer	M	1		

**Transaction Set Notes**

1. If segment LIN is used, do not use LIN01.
2. PO102 is required.
3. The SCH segment is used to specify various quantities of items ordered that are to be scheduled. When this segment is used the unit of measurement code (SCH02) should always be identical to the unit of measurement code in the associated PO1 segment (PO103) and the sum of values of quantity (SCH01) should always equal the quantity ordered (PO102) in the PO1 segment.
4. The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.
5. If AMT is used in the summary area, then 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.

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

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

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	BEG01	353	<b>Transaction Set Purpose Code</b> Code identifying purpose of transaction set <b>AT&amp;T valid code:</b> 00 Original	M 1 ID 2/2
Must Use	BEG02	92	<b>Purchase Order Type Code</b> Code specifying the type of Purchase Order <b>AT&amp;T valid code:</b> SS Supply or Service Order	M 1 ID 2/2
Must Use	BEG03	324	<b>Purchase Order Number</b> Identifying number for Purchase Order assigned by the orderer/purchaser <b>PON: Purchase Order No.</b>	M 1 AN 1/22
	BEG04	328	<b>Release Number</b> Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction <b>VER: Version Identification</b>	O 1 AN 1/30
Must Use	BEG05	373	<b>Date</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	M 1 DT 8/8
Not Used	BEG06	367	<b>Contract Number</b> Contract number	O 1 AN 1/30
Not Used	BEG07	587	<b>Acknowledgment Type</b> Code specifying the type of acknowledgment	O 1 ID 2/2
Not Used	BEG08	1019	<b>Invoice Type Code</b> Code defining the method by which invoices are to be processed Refer to 004030 Data Element Dictionary for acceptable code values.	O 1 ID 3/3
Not Used	BEG09	1166	<b>Contract Type Code</b> Code identifying a contract type	O 1 ID 2/2
Not Used	BEG10	1232	<b>Purchase Category</b> Code identifying the broad category of products or services being acquired	O 1 ID 2/2
Not Used	BEG11	786	<b>Security Level Code</b> Code indicating the level of confidentiality assigned by the sender to the information following Refer to 004030 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
Not Used	BEG12	640	<b>Transaction Type Code</b>	O 1 ID 2/2

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Code specifying the type of transaction  
Refer to 004030 Data Element Dictionary for acceptable code values.

**Segment:** **REF** Reference Identification  
**Position:** 0500  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To specify identifying information  
**Syntax Notes:**  
 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:**  
 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**

**Data Element Summary**

Must Use	Ref. Des.	Data Element	Name	Attributes
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification <b>AT&amp;T valid codes:</b> 11 Account Number 12 Billing Account 1V Related Vendor Order Number 4N Special Payment Reference Number 7U Related Transaction Reference Number CO Customer Order Number IJ Standard Industry Classification (SIC) Code IX Item Number JB Job (Project) Number 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 11 AAN AAN: Associated Account Number 11 AN AN: Account No. 11 ATN ATN: Account Telephone No. 11 EAN EAN: Existing Account No. 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 No. 1 12 BAN2 BAN2: Billing Account No. 2 1V RORD RORD: Related Order No. 4N BI1 BI1: Billing Acct. No. Identifier 1 4N BI2 BI2: Billing Acct. No. Identifier 2 7U NOR NOR: Number of Requests CO RPON RPON: Related Purchase Order No. IJ SIC SIC: Standard Industry Classification IX RESID RESID: Response Identifier JB PROJECT PROJECT: Project Identification OW BOPI BOPI: Bulk Order Package Identifier	X 1 AN 1/50

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			OW	ORD	ORD: Order Number			
	<b>REF03</b>	<b>352</b>			<b>Description</b>	<b>X</b>	<b>1</b>	<b>AN 1/80</b>
					A free-form description to clarify the related data elements and their content			
					<b>If</b>			
					<b>REF01 REF03</b>			
					<b>11 AAN, AN, ATN, EAN, EATN, NAN, or NATN</b>			
					<b>12 BAN1 or BAN2</b>			
					<b>1V RORD</b>			
					<b>4N BI1 or BI2</b>			
					<b>CO RPON</b>			
					<b>IX RESID</b>			
					<b>OW ORD or BOPI</b>			
<b>Not Used</b>	<b>REF04</b>	<b>C040</b>			<b>Reference Identifier</b>	<b>O</b>	<b>1</b>	
					To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier			
<b>Not Used</b>	<b>C04001</b>	<b>128</b>			<b>Reference Identification Qualifier</b>	<b>M</b>		<b>ID 2/3</b>
					Code qualifying the Reference Identification			
					Refer to 004030 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 004030 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 004030 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:** **PAM** Period Amount  
**Position:** 0950  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To indicate a quantity, and/or amount for an identified period  
**Syntax Notes:**

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

**Semantic Notes:**

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

**Comments:**

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
PAM01	673	Quantity Qualifier Code specifying the type of quantity <b>AT&amp;T valid codes:</b>	X 1 ID 2/2
		63 On Order Quantity	
		EY Ported Telephone Lines	
		EZ Service Resale	
		KC Net Quantity Decrease	
		QU Quantity Serviced	
		T5 Total Number of Units	
		TO Total	
PAM02	380	Quantity Numeric value of quantity	X 1 R 1/15
		<b>If</b>	
		<b>PAM01 PAM02</b>	
		63 LQTY: Loop Quantity	
		EY NPQTY: Number Portability Quantity	
		EZ RSQTY: Resale Quantity	
		KC DQTY: Disconnect Quantity	
		QU HTQTY: Hunt Quantity	
		T5 LOCQTY: Location Quantity	
		TO PQTY: Port Quantity	
PAM03	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	X 1
Must Use	C00101	355 Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in	M ID 2/2

			which a measurement has been taken		
			AT&T valid codes:		
			EA	Each	
			UC	Telecommunications Ports	
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 004030 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 004030 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 004030 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 004030 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	PAM04	522	<b>Amount Qualifier Code</b>		X 1 ID 1/3
			Code to qualify amount		
			Refer to 004030 Data Element Dictionary for acceptable code values.		
Not Used	PAM05	782	<b>Monetary Amount</b>		X 1 R 1/18
			Monetary amount		
Not Used	PAM06	344	<b>Unit of Time Period or Interval</b>		X 1 ID 2/2
			Code indicating the time period or interval		

Not Used	PAM07	374	Refer to 004030 Data Element Dictionary for acceptable code values. <b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time	X	1	ID 3/3
Not Used	PAM08	373	Refer to 004030 Data Element Dictionary for acceptable code values. <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	PAM09	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)	O	1	TM 4/8
Not Used	PAM10	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time	X	1	ID 3/3
Not Used	PAM11	373	Refer to 004030 Data Element Dictionary for acceptable code values. <b>Date</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	X	1	DT 8/8
Not Used	PAM12	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	PAM13	1004	<b>Percent Qualifier</b> Code to qualify percent	X	1	ID 1/2
Not Used	PAM14	954	Refer to 004030 Data Element Dictionary for acceptable code values. <b>Percent</b> Percentage expressed as a decimal	X	1	R 1/10
Not Used	PAM15	1073	<b>Yes/No Condition or Response Code</b> Code indicating a Yes or No condition or response	O	1	ID 1/1
			Refer to 004030 Data Element Dictionary for acceptable code values.			

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

**Syntax Notes:**

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

**Semantic Notes:**

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

**Comments:**

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

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>	
Must Use	SAC01	248	<b>Allowance or Charge Indicator</b> Code which indicates an allowance or charge for the service specified <b>AT&amp;T valid code:</b> N No Allowance or Charge	M	1 ID 1/1
Not Used	SAC02	1300	<b>Service, Promotion, Allowance, or Charge Code</b> Code identifying the service, promotion, allowance, or charge	X	1 ID 4/4
	SAC03	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values <b>AT&amp;T valid code:</b> TI Telecommunications Industry	X	1 ID 2/2
	SAC04	1301	<b>Agency Service, Promotion, Allowance, or Charge Code</b>	X	1 AN 1/10

		Agency maintained code identifying the service, promotion, allowance, or charge			
		<b>AT&amp;T valid codes:</b>			
		EXP	Expedited Service		
		OAC	Overtime Loading/Additional Labor		
		VT	Variable Term Contract Pricing Plan		
Not Used	SAC05	610	<b>Amount</b> Monetary amount	O	1 N2 1/15
Not Used	SAC06	378	<b>Allowance/Charge Percent Qualifier</b> Code indicating on what basis allowance or charge percent is calculated Refer to 004030 Data Element Dictionary for acceptable code values.	X	1 ID 1/1
Not Used	SAC07	332	<b>Percent</b> Percent expressed as a percent	X	1 R 1/6
Not Used	SAC08	118	<b>Rate</b> Rate expressed in the standard monetary denomination for the currency specified	O	1 R 1/9
Not Used	SAC09	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	X	1 ID 2/2
Not Used	SAC10	380	<b>Quantity</b> Numeric value of quantity	X	1 R 1/15
Not Used	SAC11	380	<b>Quantity</b> Numeric value of quantity	O	1 R 1/15
Not Used	SAC12	331	<b>Allowance or Charge Method of Handling Code</b> Code indicating method of handling for an allowance or charge	O	1 ID 2/2
Not Used	SAC13	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	1 AN 1/50
Not Used	SAC14	770	<b>Option Number</b> A unique number identifying available promotion or allowance options when more than one is offered	O	1 AN 1/20
	SAC15	352	<b>Description</b> A free-form description to clarify the related data elements and their content	X	1 AN 1/80
<b>If</b>					
		SAC04	SAC15		
		EXP	EXP: Expedited Service		
		OAC	ALBR: Overtime Loading/Additional Labor		
		VT	VTA: Variable Term Agreement		
Not Used	SAC16	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:** **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> 097 Transaction Creation 150 Service Period Start 151 Service Period End 201 Acceptance 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 097 D/TSENT: Date Sent 150 DDD: Desired Due Date 151 DDDO: Desired Due Date Out 201 LSP AUTHDATE: Local Svc. Prov. Authorztn. Date	<b>X 1 DT 8/8</b>
Not Used	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 codes:</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>X 1 AN 1/35</b>

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")

If		
DTM01	DTM05	DTM06
150	TM/RTM	APPTIME-DDD: Appointment Time DDD
992	TM/RTM	DFDT: Desired Frame Due Time

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

- 1 If either SI04 or SI05 is present, then the other is required.
- 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> AA Account Activity Code IB ISDN Basic Rate Interface (BRI) Type IS Sub-loop Indicator IW Inside Wire Option IX LO Local Exchange Carrier Serving Office Code LS Local Serving Office LZ Freeze Local Service Provider MG Migration Indicator NC Network Channel Code NI Network Channel Interface Code NJ Secondary Network Channel Interface Code OP Working Service on Premise PB Pot Bay Type PD Number Portability Direction Indicator PW Port Type RE Requisition Type SQ Sub-product Code	M 1 AN 2/2

			SS	Service Sub-category Code		
			TP	Telecommunications Provider Office		
			TY	Type of Service		
			UC	Basic Class of Service		
<b>Must Use</b>	<b>SI03</b>	<b>234</b>	<b>Product/Service ID</b>		<b>M</b>	<b>1 AN 1/48</b>
			Identifying number for a product or service			
			If			
			DE1000 DE234			
			AA	ACT: Activity Type		
			IB	IBT: ISDN BRI Type		
			IS	SLI: Sub-loop Indicator		
			IW	IWO: Inside Wiring Options		
			IX	IWBAN: Inside Wire Billing Account Number		
			LO	LST: Local Service Termination		
			LS	LSO: Local Serving Office		
			LZ	LSCP: Local Svc. Provider Change Prohibited		
			MG	MI: Migration Indicator		
			NC	NC: Network Channel Code		
			NI	NCI: Network Channel Interface Code		
			NJ	SECNCI: Secondary NCI		
			OP	WSOP: Working Service on Premise		
			PB	PBT: Pot Bay Type		
			PD	NPDI: Number Portability Direction Indicator		
			PW	PORTTYP: Port Type		
			RE	REQTYP: Requisition Type and Status		
			SQ	P: Product Arrangement		
			SS	SPEC: Service and Product Enhancement Code		
			TP	SC: Service Center		
			TY	TOS: Type of Service		
			UC	BCS: Basic Class of Service		
	<b>SI04</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>		<b>X</b>	<b>1 AN 2/2</b>
			Code from an industry code list qualifying the type of service characteristics			
			See SI02 for list of valid codes.			
	<b>SI05</b>	<b>234</b>	<b>Product/Service ID</b>		<b>X</b>	<b>1 AN 1/48</b>
			Identifying number for a product or service			
			See SI03 for list of valid entries.			
	<b>SI06</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>		<b>X</b>	<b>1 AN 2/2</b>
			Code from an industry code list qualifying the type of service characteristics			
			See SI02 for list of valid codes.			
	<b>SI07</b>	<b>234</b>	<b>Product/Service ID</b>		<b>X</b>	<b>1 AN 1/48</b>
			Identifying number for a product or service			
			See SI03 for list of valid entries.			
	<b>SI08</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>		<b>X</b>	<b>1 AN 2/2</b>
			Code from an industry code list qualifying the type of service characteristics			
			See SI02 for list of valid codes.			
	<b>SI09</b>	<b>234</b>	<b>Product/Service ID</b>		<b>X</b>	<b>1 AN 1/48</b>
			Identifying number for a product or service			
			See SI03 for list of valid entries.			
	<b>SI10</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>		<b>X</b>	<b>1 AN 2/2</b>
			Code from an industry code list qualifying the type of service characteristics			
			See SI02 for list of valid codes.			

<b>SI11</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service See SI03 for list of valid entries.	<b>X</b>	<b>1</b>	<b>AN 1/48</b>
<b>SI12</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics See SI02 for list of valid codes.	<b>X</b>	<b>1</b>	<b>AN 2/2</b>
<b>SI13</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service See SI03 for list of valid entries.	<b>X</b>	<b>1</b>	<b>AN 1/48</b>
<b>SI14</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics See SI02 for list of valid codes.	<b>X</b>	<b>1</b>	<b>AN 2/2</b>
<b>SI15</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service See SI03 for list of valid entries.	<b>X</b>	<b>1</b>	<b>AN 1/48</b>
<b>SI16</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics See SI02 for list of valid codes.	<b>X</b>	<b>1</b>	<b>AN 2/2</b>
<b>SI17</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service See SI03 for list of valid entries.	<b>X</b>	<b>1</b>	<b>AN 1/48</b>
<b>SI18</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics See SI02 for list of valid codes.	<b>X</b>	<b>1</b>	<b>AN 2/2</b>
<b>SI19</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service See SI03 for list of valid entries.	<b>X</b>	<b>1</b>	<b>AN 1/48</b>
<b>SI20</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics See SI02 for list of valid codes.	<b>X</b>	<b>1</b>	<b>AN 2/2</b>
<b>SI21</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service See SI03 for list of valid entries.	<b>X</b>	<b>1</b>	<b>AN 1/48</b>

<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**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PID01	349	<b>Item Description Type</b> Code indicating the format of a description <b>AT&amp;T valid code:</b> S                      Structured (From Industry Code List) X                      Semi-structured (Code and Text)	M    1   ID 1/1
Not Used	PID02	750	<b>Product/Process Characteristic Code</b> Code identifying the general class of a product or process characteristic	O    1   ID 2/3
	PID03	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values <b>AT&amp;T valid code:</b> TI                      Telecommunications Industry	X    1   ID 2/2
	PID04	751	<b>Product Description Code</b> A code from an industry code list which provides specific data about a product characteristic <b>AT&amp;T valid codes:</b> AF                      End User is Moving AH                      Coordinated Hot Cut is Requested AN                      Special Construction is Pre-Authorized AP                      Additional Direct Point of Termination Indicator BI                      Final Bill Information Indicator BP                      End User Retains Listing	X    1   AN 1/12

			MEU PROJIND	Multiple End User Functions Project Indicator			
	<b>PID05</b>	<b>352</b>	<b>Description</b>		<b>X</b>	<b>1</b>	<b>AN 1/80</b>
			A free-form description to clarify the related data elements and their content				
			<b>If</b>				
			<b>PID01</b>	<b>PID04</b>	<b>PID05</b>		
			<b>X</b>	<b>BP</b>	<b>ELT: End User Listing Treatment</b>		
			<b>X</b>	<b>MEU</b>	<b>MEU: Multiple End User Functions</b>		
			<b>X</b>	<b>PROJIND</b>	<b>PROJINDR: Project Indicator</b>		
<b>Not Used</b>	<b>PID06</b>	<b>752</b>	<b>Surface/Layer/Position Code</b>		<b>O</b>	<b>1</b>	<b>ID 2/2</b>
			Code indicating the product surface, layer or position that is being described Refer to 004030 Data Element Dictionary for acceptable code values.				
	<b>PID07</b>	<b>822</b>	<b>Source Subqualifier</b>		<b>O</b>	<b>1</b>	<b>AN 1/15</b>
			A reference that indicates the table or text maintained by the Source Qualifier				
			<b>SO-RSQ</b>	<b>Service Order - Reseller Questions</b>			
	<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>PID01</b>	<b>PID04</b>	<b>PID07</b>	<b>PID08</b>	
			<b>S</b>	<b>AF</b>	<b>SO-RSQ</b>	<b>EUMI: End User Moving Indicator</b>	
			<b>S</b>	<b>AH</b>	<b>SO-RSQ</b>	<b>CHC: Coordinated Hot Cut</b>	
			<b>S</b>	<b>AN</b>	<b>SO-RSQ</b>	<b>SCA: Special Construction Authorztn.</b>	
			<b>S</b>	<b>AP</b>	<b>SO-RSQ</b>	<b>AI: Add'l. Point of Termination Ind.</b>	
						<b>EDI Y = OBF C (CLLI)</b>	
						<b>EDI N = OBF N (Narrative)</b>	
			<b>S</b>	<b>BI</b>	<b>SO-RSQ</b>	<b>FBI: Final Bill Indicator</b>	
						<b>EDI Y = OBF D (Different)</b>	
						<b>EDI N = OBF E (Existing)</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:** **PWK** Paperwork  
**Position:** 2100  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 25  
**Purpose:** To identify the type or transmission or both of paperwork or supporting information  
**Syntax Notes:** 1 If either PWK05 or PWK06 is present, then the other is required.  
**Semantic Notes:**  
**Comments:** 1 PWK05 and PWK06 may be used to identify the addressee by a code number.  
 2 PWK07 may be used to indicate special information to be shown on the specified report.  
 3 PWK08 may be used to indicate action pertaining to a report.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PWK01	755	<b>Report Type Code</b> Code indicating the title or contents of a document, report or supporting item <b>AT&amp;T valid code:</b> DW Drawing(s)	<b>M 1 ID 2/2</b>
	PWK02	756	<b>Report Transmission Code</b> Code defining timing, transmission method or format by which reports are to be sent <b>AT&amp;T valid code:</b> NS Not Specified	<b>O 1 ID 1/2</b>
	PWK03	757	<b>Report Copies Needed</b> The number of copies of a report that should be sent to the addressee <b>AT&amp;T valid value: 1</b>	<b>O 1 N0 1/2</b>
	PWK04	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual <b>AT&amp;T valid code:</b> DG Design Engineering	<b>O 1 ID 2/3</b>
	PWK05	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67) <b>AT&amp;T valid code:</b> 91 Assigned by Seller or Seller's Agent	<b>X 1 ID 1/2</b>
	PWK06	67	<b>Identification Code</b> Code identifying a party or other code <b>If</b> PWK04 PWK05 PWK06 DG 91 DRC: Design Routing Code	<b>X 1 AN 2/80</b>
Not Used	PWK07	352	<b>Description</b> A free-form description to clarify the related data elements and their content	<b>O 1 AN 1/80</b>
Not Used	PWK08	C002	<b>Actions Indicated</b> Actions to be performed on the piece of paperwork identified	<b>O 1</b>
Not Used	C00201	704	<b>Paperwork/Report Action Code</b>	<b>M ID 1/2</b>

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			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required Refer to 004030 Data Element Dictionary for acceptable code values.		
<b>Not Used</b>	<b>C00202</b>	<b>704</b>	<b>Paperwork/Report Action Code</b>	<b>O</b>	<b>ID 1/2</b>
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required Refer to 004030 Data Element Dictionary for acceptable code values.		
<b>Not Used</b>	<b>C00203</b>	<b>704</b>	<b>Paperwork/Report Action Code</b>	<b>O</b>	<b>ID 1/2</b>
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required Refer to 004030 Data Element Dictionary for acceptable code values.		
<b>Not Used</b>	<b>C00204</b>	<b>704</b>	<b>Paperwork/Report Action Code</b>	<b>O</b>	<b>ID 1/2</b>
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required Refer to 004030 Data Element Dictionary for acceptable code values.		
<b>Not Used</b>	<b>C00205</b>	<b>704</b>	<b>Paperwork/Report Action Code</b>	<b>O</b>	<b>ID 1/2</b>
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required Refer to 004030 Data Element Dictionary for acceptable code values.		
<b>Not Used</b>	<b>PWK09</b>	<b>1525</b>	<b>Request Category Code</b>	<b>O</b>	<b>1 ID 1/2</b>
			Code indicating a type of request Refer to 004030 Data Element Dictionary for acceptable code values.		

**Segment:** **N9 Reference Identification**  
**Position:** 2950  
**Loop:** N9 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier  
**Syntax Notes:**  
 1 At least one of N902 or N903 is required.  
 2 If N906 is present, then N905 is required.  
 3 If either C04003 or C04004 is present, then the other is required.  
 4 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:**  
 1 N906 reflects the time zone which the time reflects.  
 2 N907 contains data relating to the value cited in N902.  
**Comments:**

**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 H7 Standard Clause L1 Letters or Notes <b>Non retained</b>	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>AT&amp;T valid codes:</b> ACC Access Instructions LOC Location Instructions ORI Order Instructions	X 1 AN 1/50
	N903	369	<b>Free-form Description</b> Free-form descriptive text <b>If</b> N901 N902 N903 H7 LOC AAI L1 ORI LSR L1 ACC EU	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	O 1 ID 2/2

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Not Used	N907	C040	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>Reference Identifier</b>	O	1
Not Used	C04001	128	To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier <b>Reference Identification Qualifier</b>	M	ID 2/3
Not Used	C04002	127	Code qualifying the Reference Identification Refer to 004030 Data Element Dictionary for acceptable code values. <b>Reference Identification</b>	M	AN 1/50
Not Used	C04003	128	Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <b>Reference Identification Qualifier</b>	X	ID 2/3
Not Used	C04004	127	Code qualifying the Reference Identification Refer to 004030 Data Element Dictionary for acceptable code values. <b>Reference Identification</b>	X	AN 1/50
Not Used	C04005	128	Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <b>Reference Identification Qualifier</b>	X	ID 2/3
Not Used	C04006	127	Code qualifying the Reference Identification Refer to 004030 Data Element Dictionary for acceptable code values. <b>Reference Identification</b>	X	AN 1/50
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

**Segment:** **MTX** Text  
**Position:** 3000  
**Loop:** N9 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To specify textual data  
**Syntax Notes:** 1 If MTX01 is present, then MTX02 is required.  
 2 If MTX03 is present, then MTX02 is required.  
 3 If MTX05 is present, then MTX04 is required.  
**Semantic Notes:** 1 MTX05 is the number of lines to advance before printing.  
**Comments:** 1 If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.

**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 004030 Data Element Dictionary for acceptable code values.	O 1 ID 3/3
	MTX02	1551	<b>Message Text</b> To transmit large volumes of message text <b>If</b> N901 N902 N903 MTX02 H7 LOC AAI AAI: Additional Address Information L1 ORI LSR REMARKS: Remarks L1 ACC EU ACC: Access Information	X 1 AN 1/4096
Not Used	MTX03	1551	<b>Message Text</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 004030 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** Name  
**Position:** 3100  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:**  
 1 At least one of N102 or N103 is required.  
 2 If either N103 or N104 is present, then the other is required.

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

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes
Must Use N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual <b>AT&amp;T valid codes:</b> 78 Service Requester 9Q Last Supplier BT Bill-to-Party BY Buying Party (Purchaser) DG Design Engineering IT Installation on Site NN Network Name SE Selling Party X1 Mail to	M 1 ID 2/3
N102	93	<b>Name</b> Free-form name <b>If</b> N101 N102 78 CCNA: Customer Carrier Name Abbreviation BY CUST: Customer Name DG DSGCON: Design/Engineering Contact IT NAME: Name (End User) SE LSP AUTH NAME: Local Svc. Provider Authorization Name X1 FB-BILLNM: Final Billing Name NN NNSP	X 1 AN 1/60
N103	66	<b>Identification Code Qualifier</b> 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 41 Telecommunications Carrier Identification Code 42 Telecommunications Pseudo Carrier Identification Code	X 1 ID 1/2

		92	Assigned by Buyer or Buyer's Agent		
<b>N104</b>	<b>67</b>	<b>Identification Code</b>		<b>X</b>	<b>1 AN 2/80</b>
		Code identifying a party or other code			
		<b>If</b>			
		<b>N101</b>	<b>N102</b>	<b>N103</b>	<b>N104</b>
		78		41	<b>CIC: Carrier Identification Code</b>
		9Q		25	<b>RCC: Related Company Code</b>
		BY		25	<b>CC: Company Code</b>
		SE		41	<b>LSP AUTH: Local Svc. Provider Authorization</b>
		BT		92	<b>ACNA: Access Customer Name Abbreviation</b>
		NN	<b>NNSP</b>	42	<b>NNSP: New Network Svc. Provider ID</b>
<b>Not Used</b>	<b>N105</b>	<b>706</b>	<b>Entity Relationship Code</b>	<b>O</b>	<b>1 ID 2/2</b>
			Code describing entity relationship		
			Refer to 004030 Data Element Dictionary for acceptable code values.		
<b>Not Used</b>	<b>N106</b>	<b>98</b>	<b>Entity Identifier Code</b>	<b>O</b>	<b>1 ID 2/3</b>
			Code identifying an organizational entity, a physical location, property or an individual		
			Refer to 004030 Data Element Dictionary for acceptable code values.		

**Segment:** **N2 Additional Name Information**  
**Position:** 3200  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify additional names  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**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 N201 X1 FB-SBILLNM: Final Billing Secondary Name	
Not Used	N202	93	Name Free-form name	O 1 AN 1/60

**Segment:** **N3** Address Information  
**Position:** 3300  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**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
			<b>If</b>	
			N101 N301	
			DG DSGCON-STREET: Design/Engrg. Street Address	
			X1 FB-STREET BILLNM: Final Bill Street Address	
Not Used	N302	166	Address Information Address information	O 1 AN 1/55

**Segment:** **N4 Geographic Location**  
**Position:** 3400  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To specify the geographic place of the named party  
**Syntax Notes:**

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

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

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

**Data Element Summary**

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Not Used	N401	19 City Name Free-form text for city name	O 1 AN 2/30
	N402	156 State or Province Code Code (Standard State/Province) as defined by appropriate government agency	X 1 ID 2/2
		<b>If</b> N101 N402 DG DSGCON-STATE: Design/Engineering State IT STATE: State (End User) X1 FB-STATE: Final Bill State	
	N403	116 Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O 1 ID 3/15
		<b>If</b> N101 N403 DG DSGCON-ZIP CODE: Design/Engineering Zip Code IT ZIP: Zip Code (End User) X1 FB-ZIP CODE: Final Bill Zip Code	
Not Used	N404	26 Country Code Code identifying the country	X 1 ID 2/3
Not Used	N405	309 Location Qualifier Code identifying type of location Refer to 004030 Data Element Dictionary for acceptable code values.	X 1 ID 1/2
Not Used	N406	310 Location Identifier Code which identifies a specific location	O 1 AN 1/30
Not Used	N407	1715 Country Subdivision Code Code identifying the country subdivision	X 1 ID 1/3

**Segment:** **NX2** Location ID Component  
**Position:** 3450  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To define types and values of a geographic location  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	NX201	1106	<b>Address Component Qualifier</b> Code qualifying the type of address component <b>AT&amp;T valid codes:</b>	M 1 ID 2/2
			01 Street Number	
			02 Street Name	
			03 Prefix Direction	
			07 City Name	
			12 Building Name	
			13 Apartment Number	
			14 Suite Number	
			15 Unstructured Street Address	
			30 Pier	
			31 Wing	
			32 Floor	
			34 Lot	
			35 Room	
			36 Slip	
			37 Unit	
			40 Street Suffix	
			61 Street Number Fraction	
			62 Street Name Suffix	
			63 Secondary Unit Identifier	
			90 Access Customer Terminal Location (ACTL)	
			91 Additional Point of Termination (APOT)	
Must Use	NX202	166	<b>Address Information</b> Address information	M 1 AN 1/55
			<b>If</b>	
			<b>N101 NX201 NX202</b>	
			<b>78 63 SACTL: Secondary Access Customer Terminal Location</b>	
			<b>78 90 ACTL: Access Customer Terminal Location</b>	
			<b>78 91 APOT: Additional Point of Termination</b>	
			<b>DG 07 DSGCON-CITY: Desgn/Engrg. City</b>	
			<b>DG 32 DSGCON-FLOOR: Desgn/Engrg. Floor</b>	

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DG  35  DSGCON-ROOM/MAILSTOP: Design/Engrg.
                                Room/Mail Stop
IT   01  SANO: Service Address Number
IT   02  SASN: Service Address Street Name
IT   15  overflow SASN: excess of 55 char of SASN
IT   03  SASD: Service Address Street Directional
                                Prefix
IT   07  CITY: City (End User)
IT   40  SASS: Service Address Street Suffix
IT   61  SASF: Service Address Suffix
IT   62  SATH: Service Address Thoroughfare

IT   12  LV1: Location Value 1 (Service Address)
        AT&T maps "BLDG" to LD1: Location Designator 1)
IT   30  LV1: Location Value 1 (Service Address)
        AT&T maps "PIER" to LD1: Location Designator 1)
IT   31  LV1: Location Value 1 (Service Address)
        AT&T maps "WNG" to LD1: Location Designator 1)
IT   32  LV2: Location Value 2 (Service Address)
        AT&T maps "FLR" to LD2: Location Designator 2)
IT   13  LV3: Location Value 3 (Service Address)
        AT&T maps "APT" to LD3: Location Designator 3)
IT   14  LV3: Location Value 3 (Service Address)
        AT&T maps "SUIT" to LD3: Location Designator 3)
IT   34  LV3: Location Value 3 (Service Address)
        AT&T maps "LOT" to LD3: Location Designator 3)
IT   35  LV3: Location Value 3 (Service Address)
        AT&T maps "RM" to LD3: Location Designator 3)
IT   36  LV3: Location Value 3 (Service Address)
        AT&T maps "SLIP" to LD3: Location Designator 3)
IT   37  LV3: Location Value 3 (Service Address)
        AT&T maps "UNIT" to LD3: Location Designator 3)

X1   07  FB-CITY: Final Bill City
X1   32  FB-FLOOR: Final Bill Floor
X1   35  FB-ROOM: Final Bill Room
    
```

Not Used    NX203    1096    **County Designator**    0    1 ID 5/5  
 Code identifying the county within a state

**Segment:** **REF** Reference Identification  
**Position:** 3500  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 12  
**Purpose:** To specify identifying information  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**

**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> IX Item Number	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> N101 REF01 REF03 REF02 IT IX LOCNUM LOCNUM: Location Number	X 1 AN 1/50
	REF03	352	<b>Description</b> A free-form description to clarify the related data elements and their content <b>If</b> REF01 REF03 IX LOCNUM	X 1 AN 1/80
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 004030 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 004030 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 004030 Data Element Dictionary for acceptable code values.	X ID 2/3

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

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

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

**Data Element Summary**

Must Use	Ref. Des.	Data Element	Name	Attributes
	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>	<b>M 1 ID 2/2</b>
			AG Agent	
			AL Alternate Contact	
			BI Bill Inquiry Contact	
			CA Customer Contact Granting Appointment	
			CN General Contact	
			DE Design Engineer	
	PER02	93	<b>Name</b> Free-form name <b>If</b>	<b>O 1 AN 1/60</b>
			N101 PER01 PER02	
			78 AG INIT: Initiator	
			78 CN IMPCON: Implementation Contact	
			78 AL ALT-IMPCON: Alternate Imple. Contact	
			IT CA LCON-NAME: Local Contact	
			IT CN IWCON: Inside Wire Contact	
			X1 BI FB-BILLCON: Final Bill Contact	
	PER03	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number <b>AT&amp;T valid codes:</b>	<b>X 1 ID 2/2</b>
			FX Facsimile	
			TE Telephone	
	PER04	364	<b>Communication Number</b> Complete communications number including country or area code when applicable <b>If</b>	<b>X 1 AN 1/256</b>
			N101 PER01 DE365 DE364	
			78 AG TE INIT-TEL NO: Initiator Tele. No.	
			78 AG FX INIT-FAX NO: Initiator Fax No.	
			78 CN TE IMPCON-TEL NO-: Implementation Contact Tele. No.	
			78 AL TE ALT-IMPCON TEL NO: Alternate Implementation Contact Tele. No.	

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			DG	DE	TE	DSGCON-TEL NO: Design/Engrg. Tele. No.				
			DG	DE	FX	DSGCON-FAX NO: Design/Engrg. Fax No.				
			IT	CA	TE	LCON-TEL NO: Local Contact Tele. No.				
			IT	CN	TE	IWCON-TEL NO-: Inside Wire Contact Telephone No.				
			X1	BI	TE	FB-BILLCON-TEL NO-: Final Bill Contact Telephone No.				
	<b>PER05</b>	<b>365</b>	<b>Communication Number Qualifier</b>				<b>X</b>	<b>1</b>	<b>ID 2/2</b>	
			Code identifying the type of communication number							
			See PER03 for list of valid codes.							
	<b>PER06</b>	<b>364</b>	<b>Communication Number</b>				<b>X</b>	<b>1</b>	<b>AN 1/256</b>	
			Complete communications number including country or area code when applicable							
			See PER04 for list of valid entries.							
	<b>PER07</b>	<b>365</b>	<b>Communication Number Qualifier</b>				<b>X</b>	<b>1</b>	<b>ID 2/2</b>	
			Code identifying the type of communication number							
			See PER03 for list of valid codes.							
	<b>PER08</b>	<b>364</b>	<b>Communication Number</b>				<b>X</b>	<b>1</b>	<b>AN 1/256</b>	
			Complete communications number including country or area code when applicable							
			See PER04 for list of valid entries.							
<b>Not Used</b>	<b>PER09</b>	<b>443</b>	<b>Contact Inquiry Reference</b>				<b>O</b>	<b>1</b>	<b>AN 1/20</b>	
			Additional reference number or description to clarify a contact number							

**Segment:** **SI Service Characteristic Identification**  
**Position:** 3650  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To specify service characteristic data  
**Syntax Notes:**

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

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

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

**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> AD Address Activity NW New Construction Indicator	M 1 AN 2/2
Must Use	SI03	234	<b>Product/Service ID</b> Identifying number for a product or service <b>If</b> N101 DE1000 DE234 IT NW NCON: New Construction Indicator IT AD EUA: End User Activity	M 1 AN 1/48
	SI04	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics <b>See SI02 for list of valid codes.</b>	X 1 AN 2/2
	SI05	234	<b>Product/Service ID</b> Identifying number for a product or service <b>See SI03 for list of valid entries.</b>	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 2/2
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 2/2

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<b>Not Used</b>	<b>SI09</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service	<b>X</b>	<b>1</b>	<b>AN 1/48</b>
<b>Not Used</b>	<b>SI10</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	<b>X</b>	<b>1</b>	<b>AN 2/2</b>
<b>Not Used</b>	<b>SI11</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service	<b>X</b>	<b>1</b>	<b>AN 1/48</b>
<b>Not Used</b>	<b>SI12</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	<b>X</b>	<b>1</b>	<b>AN 2/2</b>
<b>Not Used</b>	<b>SI13</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service	<b>X</b>	<b>1</b>	<b>AN 1/48</b>
<b>Not Used</b>	<b>SI14</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	<b>X</b>	<b>1</b>	<b>AN 2/2</b>
<b>Not Used</b>	<b>SI15</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service	<b>X</b>	<b>1</b>	<b>AN 1/48</b>
<b>Not Used</b>	<b>SI16</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	<b>X</b>	<b>1</b>	<b>AN 2/2</b>
<b>Not Used</b>	<b>SI17</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service	<b>X</b>	<b>1</b>	<b>AN 1/48</b>
<b>Not Used</b>	<b>SI18</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	<b>X</b>	<b>1</b>	<b>AN 2/2</b>
<b>Not Used</b>	<b>SI19</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service	<b>X</b>	<b>1</b>	<b>AN 1/48</b>
<b>Not Used</b>	<b>SI20</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	<b>X</b>	<b>1</b>	<b>AN 2/2</b>
<b>Not Used</b>	<b>SI21</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service	<b>X</b>	<b>1</b>	<b>AN 1/48</b>

**Segment:** **PO1** **Baseline Item Data**  
**Position:** 0100  
**Loop:** PO1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify basic and most frequently used line item data  
**Syntax Notes:**

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

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

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

**Notes:**

Please refer to **Business Models for ELMS6, ASC X12 Version 004030**, authored by the EDI Service Order Committee in their TCIF/EDI Guidelines dated January 24, 2002, for usage of PO1 and POC segments.

At AT&T, the "A6" Document Identification Code in a DE 235/234 pair of the PO1 data segment is required for proper identification of detail data.

Only one "A6" qualifier may be sent in a PO1 Loop. In the case of "SS", if Transfer of Calls and Feature Detail are being sent, separate PO1 Loops (both with the "A6" qualifier "SS") are required.

The RNUM field must be populated on all PO1 Loops submitted with "A6" qualifiers of "DDPS", "DPG", "DTG", "DTT" or "SS".

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u> <u>Name</u>	
PO101	350 <b>Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set	O 1 AN 1/20
PO102	330 <b>Quantity Ordered</b> Quantity ordered <b>AT&amp;T valid value = 1</b>	X 1 R 1/15
PO103	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>	O 1 ID 2/2

			EA	Each				
Not Used	PO104	212	<b>Unit Price</b>		X	1	R 1/17	
			Price per unit of product, service, commodity, etc.					
Not Used	PO105	639	<b>Basis of Unit Price Code</b>		O	1	ID 2/2	
			Code identifying the type of unit price for an item					
Must Use	PO106	235	<b>Product/Service ID Qualifier</b>		M	1	ID 2/2	
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)					
			<b>AT&amp;T valid codes:</b>					
			A6	Document Identification Code				
			A7	Subline Item Number				
			SH	Service Requested				
			TY	Telecommunications Industry Service Code				
Must Use	PO107	234	<b>Product/Service ID</b>		M	1	AN 1/48	
			Identifying number for a product or service					
			<b>Document Identifier Codes (Required)</b>					
			If					
			DE235	DE234				
			A6	HGI (LSR Hunt Group Information)				
				EU_LOC (End User Location and Access Information)				
				EU_DISC (End User Disconnect Information)				
				LS (Loop Service)				
				NP (Number Portability Service)				
				LSNP (Loop Service with Number Portability)				
				RS (Resale Service)				
				PS (Port Service)				
				DL (Directory Service & Directory Listing)				
				DDPS (DID/DOD/PBX Service)				
				DPG (DID/DOD/PBX Trunk Groups)				
				DTG (DIGITAL TRUNKS - Trunk Groups)				
				DTT (DIGITAL TRUNKS - DID TNS)				
				SS (DID/DOD/PBX Service Specific - Feature Detail)				
				SS (DID/DOD/PBX Service Specific - Transfer of Calls)				
			If					
			DE235	DE234				
			A7	AD: Associated Detail				
			SH	RTY: Record Type				
			TY	LNECLSSVC: Line Class of Service				
	PO108	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)					
			See PO106 for list of valid codes.					
	PO109	234	<b>Product/Service ID</b>		X	1	AN 1/48	
			Identifying number for a product or service					
			See PO107 for list of valid entries.					
	PO110	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)					
			See PO106 for list of valid codes.					
	PO111	234	<b>Product/Service ID</b>		X	1	AN 1/48	
			Identifying number for a product or service					
			See PO107 for list of valid entries.					

	<b>PO112</b>	<b>235</b>	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) <b>See PO106 for list of valid codes.</b>	<b>X</b>	<b>1 ID 2/2</b>
	<b>PO113</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service <b>See PO107 for list of valid entries.</b>	<b>X</b>	<b>1 AN 1/48</b>
	<b>PO114</b>	<b>235</b>	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) <b>See PO106 for list of valid codes.</b>	<b>X</b>	<b>1 ID 2/2</b>
	<b>PO115</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service <b>See PO107 for list of valid entries.</b>	<b>X</b>	<b>1 AN 1/48</b>
<b>Not Used</b>	<b>PO116</b>	<b>235</b>	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	<b>X</b>	<b>1 ID 2/2</b>
<b>Not Used</b>	<b>PO117</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service	<b>X</b>	<b>1 AN 1/48</b>
<b>Not Used</b>	<b>PO118</b>	<b>235</b>	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	<b>X</b>	<b>1 ID 2/2</b>
<b>Not Used</b>	<b>PO119</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service	<b>X</b>	<b>1 AN 1/48</b>
<b>Not Used</b>	<b>PO120</b>	<b>235</b>	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	<b>X</b>	<b>1 ID 2/2</b>
<b>Not Used</b>	<b>PO121</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service	<b>X</b>	<b>1 AN 1/48</b>
<b>Not Used</b>	<b>PO122</b>	<b>235</b>	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	<b>X</b>	<b>1 ID 2/2</b>
<b>Not Used</b>	<b>PO123</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service	<b>X</b>	<b>1 AN 1/48</b>
<b>Not Used</b>	<b>PO124</b>	<b>235</b>	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	<b>X</b>	<b>1 ID 2/2</b>
<b>Not Used</b>	<b>PO125</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service	<b>X</b>	<b>1 AN 1/48</b>

**Segment:** **SI Service Characteristic Identification**  
**Position:** 0180  
**Loop:** PO1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To specify service characteristic data  
**Syntax Notes:**

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

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

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

**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> 99 Continuation Code AD Address Activity AM Main/Alternate Telephone Number BO Business/Residence Placement Override BR Directory Listings Type of Account C2 Call Forwarding Telephone Number CM Local Service Provider's Circuit Number CN Circuit Number Identification Code CU Channel Pair Identifier DD Digits Outpulsed DF Directory Subsection DG Degree of Indent DN Directory Book Name FF From Telephone Number FZ Freeze PIC Indicator HY Hunt IG Digits In IP Number Portability Type	<b>M 1 AN 2/2</b>

IT	Ported Telephone Number
K1	System ID
K2	Cable Identification
K3	Shelf
K4	Slot
K5	Relay Rack
K6	Channel/Pair
K9	Cable Identification 2
LB	Listing Activity Indicator (LACT)
LE	Listing Type
LN	Listed Telephone Number
MJ	Loop Modification Type
ND	Disconnect Number
NQ	Number Portability Indicator
NS	Non - Standard Telephone Number
NT	Shared Line Telephone Number
OT	Out Telephone Number
PE	Pulse Type
RI	Route Index
SA	Service Activity Code
SG	Service Group
SH	Switched Data Identifier
SN	ISDN Service Profile Identifier (ISPID)
SY	Start Signaling
T1	Telephone Answering Service - Position
T3	Telephone Answering Service - Jack
T5	Terminal Number
T6	Transfer of Calls Options
T7	Jack Number
TH	Trunk Group Number
TK	Trunk Number
TN	Telephone Number
TQ	Telephone Line Identifier
TS	Type of Signaling
TW	Style Code
UK	Trunk Type

**Must Use**      **SI03**      **234**      **Product/Service ID**      **M**      **1 AN 1/48**  
 Identifying number for a product or service

<b>If</b>	
<b>DE1000</b>	<b>DE234</b>
<b>99</b>	<b>Continuation Code</b>
<b>AD</b>	<b>DACT: Delivery Activity</b>
<b>AM</b>	<b>MATN: Main/Alternate Telephone No.</b>
<b>BO</b>	<b>BRO: Business/Residence Placement Override</b>
<b>BR</b>	<b>TOA: Type of Account</b>
<b>C2</b>	<b>CFTN: Call Forward to Number</b>
<b>CM</b>	<b>CKR: Customer Circuit Reference</b>
<b>CN</b>	<b>ECCKT: Exchange Company Circuit ID</b>

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")

CU	CHAN/PAIR2: Channel Pair 2 (with the exception of Loop Service)
DD	DO: Digits Out
DF	DIRSUB: Directory Subsection
DG	DOI: Degree of Indent
DN	DIRNAME: Directory Name
FF	TC FR: From Telephone Number
FZ	FPI: Freeze PIC Indicator
HY	HNTYP: Hunting Type Code
IG	DIN: Digits In
IP	NPT: Number Portability Type
IT	PORTED NBR: Ported Number
K1	SYSTEM ID: System ID
K2	CABLE ID: Cable ID (with the exception of Loop Service)
K3	SHELF: Shelf
K4	SLOT: Slot
K5	RELAY RACK: Relay Rack
K6	CHAN/PAIR: Channel Pair (with the exception of Loop Service)
K9	CABLE ID2: Cable ID 2 (with the exception of Loop Service)
LB	LACT: Listing Activity Indicator
LE	LTYP: Listing Type
LN	LTN: Listing Telephone Number
MJ	LMT: Loop Modification Type
ND	DISC NBR: Disconnect Telephone Number
NQ	NPI: Number Portability Indicator
NS	NSTN: Non Standard Telephone Number
NT	SLTN: Shared Line Telephone Number
OT	OTN or OTNS: Out Telephone Number(s)
PE	PULSE: Type of Pulsing
RI	RTI: Route Index or
RI	RIN: Routing Index Number
SA	LNA: Line Activity or
SA	HA: Hunt Group Activity or
SA	TACT: Trunk Activity or
SA	TNA: Telephone Number Activity
SG	HID: Hunt Group Identifier
SH	SDI: Switched Data Identifier
SN	ISPID: ISDN Service Profile Identification
SY	SSIG: Start of Signaling
T1	JK POS: Jack Position
T3	JK CODE: Jack Code
T5	TER or TERS: Terminal Number(s)
T6	TC OPT: Transfer of Calls Option
T7	JK NUM: Jack Number
TH	NPTG: Number Portability Trunk Group or
TH	DTGN: Trunk Group Number or
TH	TGN: Trunk Group Number
TK	TKID: Trunk ID
TN	TNS: Telephone Number(s)
TQ	TLI: Telephone Line Identifier or
TQ	LTLI: Lead Telephone Line Identifier
TS	SGNL: Signaling
TW	STYC: Style Code
UK	TTP: Trunk Type

SI04      1000      Service Characteristics Qualifier      X      1 AN 2/2

Code from an industry code list qualifying the type of service characteristics

See SI02 for list of valid codes.

<b>SI05</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service <i>See SI03 for list of valid entries.</i>	<b>X</b>	<b>1</b>	<b>AN 1/48</b>
<b>SI06</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics <i>See SI02 for list of valid codes.</i>	<b>X</b>	<b>1</b>	<b>AN 2/2</b>
<b>SI07</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service <i>See SI03 for list of valid entries.</i>	<b>X</b>	<b>1</b>	<b>AN 1/48</b>
<b>SI08</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics <i>See SI02 for list of valid codes.</i>	<b>X</b>	<b>1</b>	<b>AN 2/2</b>
<b>SI09</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service <i>See SI03 for list of valid entries.</i>	<b>X</b>	<b>1</b>	<b>AN 1/48</b>
<b>SI10</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics <i>See SI02 for list of valid codes.</i>	<b>X</b>	<b>1</b>	<b>AN 2/2</b>
<b>SI11</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service <i>See SI03 for list of valid entries.</i>	<b>X</b>	<b>1</b>	<b>AN 1/48</b>
<b>SI12</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics <i>See SI02 for list of valid codes.</i>	<b>X</b>	<b>1</b>	<b>AN 2/2</b>
<b>SI13</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service <i>See SI03 for list of valid entries.</i>	<b>X</b>	<b>1</b>	<b>AN 1/48</b>
<b>SI14</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics <i>See SI02 for list of valid codes.</i>	<b>X</b>	<b>1</b>	<b>AN 2/2</b>
<b>SI15</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service <i>See SI03 for list of valid entries.</i>	<b>X</b>	<b>1</b>	<b>AN 1/48</b>
<b>SI16</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics <i>See SI02 for list of valid codes.</i>	<b>X</b>	<b>1</b>	<b>AN 2/2</b>
<b>SI17</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service <i>See SI03 for list of valid entries.</i>	<b>X</b>	<b>1</b>	<b>AN 1/48</b>
<b>SI18</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics <i>See SI02 for list of valid codes.</i>	<b>X</b>	<b>1</b>	<b>AN 2/2</b>
<b>SI19</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service <i>See SI03 for list of valid entries.</i>	<b>X</b>	<b>1</b>	<b>AN 1/48</b>

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<b>SI20</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>1</b>	<b>AN 2/2</b>
		Code from an industry code list qualifying the type of service characteristics			
		See SI02 for list of valid codes.			
<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			
		See SI03 for list of valid entries.			

**Segment:** **PID** **Product/Item Description**  
**Position:** 0500  
**Loop:** PID Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To describe a product or process in coded or free-form format  
**Syntax Notes:**

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

**Semantic Notes:**

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

**Comments:**

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

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PID01	349	<b>Item Description Type</b> Code indicating the format of a description <b>AT&amp;T valid code:</b> S Structured (From Industry Code List) X Semi-structured (Code and Text)	M 1 ID 1/1
Not Used	PID02	750	<b>Product/Process Characteristic Code</b> Code identifying the general class of a product or process characteristic	O 1 ID 2/3
	PID03	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values <b>AT&amp;T valid code:</b> TI Telecommunications Industry	X 1 ID 2/2
	PID04	751	<b>Product Description Code</b> A code from an industry code list which provides specific data about a product characteristic <b>AT&amp;T valid codes:</b> AG Network Interface Device Requested AM Jack Request AS Listed Name AT Address Indicator AU Advance to Directory Indicator AW Direct Mail List	X 1 AN 1/12

		AZ		Dual Name Listing				
		CFA		Connect Facility Assignment				
		SCFA		Secondary Connecting Facility Assignment				
		TNT		Test and Tag				
	<b>PID05</b>	<b>352</b>	<b>Description</b>		<b>X</b>	<b>1</b>	<b>AN 1/80</b>	
			A free-form description to clarify the related data elements and their content					
			<b>If</b>					
			<b>PID01</b>	<b>PID04</b>	<b>PID05</b>			
			<b>X</b>	<b>CFA</b>	<b>CFA: Connecting Facility Assignment</b>			
			<b>X</b>	<b>SCFA</b>	<b>SCFA: Secondary Connecting Facility Assignment</b>			
			<b>X</b>	<b>TNT</b>	<b>TNT: Test and Tag</b>			
<b>Not Used</b>	<b>PID06</b>	<b>752</b>	<b>Surface/Layer/Position Code</b>		<b>O</b>	<b>1</b>	<b>ID 2/2</b>	
			Code indicating the product surface, layer or position that is being described					
	<b>PID07</b>	<b>822</b>	<b>Source Subqualifier</b>		<b>O</b>	<b>1</b>	<b>AN 1/15</b>	
			A reference that indicates the table or text maintained by the Source Qualifier					
			<b>SO-RSQ</b>	<b>Service Order - Reseller Questions</b>				
	<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>PID01</b>	<b>PID04</b>	<b>PID07</b>	<b>PID08</b>		
			<b>S</b>	<b>AG</b>	<b>SO-RSQ</b>	<b>NIDR: Network Interface Device Request</b>		
			<b>S</b>	<b>AM</b>	<b>SO-RSQ</b>	<b>JR: Jack Request</b>		
			<b>S</b>	<b>AS</b>	<b>SO-RSQ</b>	<b>LNPL: Listed Name Placement</b> EDI Y = OBF L		
			<b>S</b>	<b>AT</b>	<b>SO-RSQ</b>	<b>ADI: Address Indicator</b> EDI Y = OBF O		
			<b>S</b>	<b>AU</b>	<b>SO-RSQ</b>	<b>ADV: Advance to Directory Indicator</b>		
			<b>S</b>	<b>AW</b>	<b>SO-RSQ</b>	<b>DML: Direct Mail List</b> EDI Y = OBF O		
			<b>S</b>	<b>AZ</b>	<b>SO-RSQ</b>	<b>DLNM: Dual Name Listing</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:** **REF** Reference Identification  
**Position:** 1000  
**Loop:** PO1 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**

	<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 AE Authorization for Expense (AFE) Number GP Government Priority Number IX Item Number JO Multiple Listing Number LI Line Item Identifier (Seller's)	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 LEAN LEAN: Line Existing Account Number 11 LEATN LEATN: Line Existing Acct. Tele. No. AE SAN: Subscriber Authorization No. GP TSP: Telecommunication Service Priority IX DLNUM DLNUM: Directory Listing Number IX DNUM DNUM: Disconnect Line Number IX HNUM HNUM: Hunting Number IX RNUM RNUM: Reference Number IX LNEX LNEX: Line Number Extension\ IX LNUM LNUM: Line Number IX LOCNUM LOCNUM: Location Number JO EOS: End User Other Service LI ALI: Alpha/Numeric Listing Identifier Code	X 1 AN 1/50
	REF03	352	<b>Description</b> 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, LNEX, LNUM, RNUM, or LOCNUM	X 1 AN 1/80
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

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Not Used	C04001	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 004030 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 004030 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 004030 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:** **DTM** Date/Time Reference  
**Position:** 2100  
**Loop:** PO1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM05 is required.  
 2 If DTM04 is present, then DTM03 is required.  
 3 If either DTM05 or DTM06 is present, then the other is required.  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</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 code:</b> 376 Delivery End	<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 376 TC PER: Transfer of Calls Period	<b>X 1 DT 8/8</b>
Not Used	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>
Not Used	DTM05	1250	<b>Date Time Period Format Qualifier</b> Code indicating the date format, time format, or date and time format	<b>X 1 ID 2/3</b>
Not Used	DTM06	1251	<b>Date Time Period</b> Expression of a date, a time, or range of dates, times or dates and times	<b>X 1 AN 1/35</b>

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

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	QTY01	673	<b>Quantity Qualifier</b> Code specifying the type of quantity <b>AT&amp;T valid codes:</b> 43 Talk Paths FJ Trunked Channels FL Units	M 1 ID 2/2
	QTY02	380	<b>Quantity</b> Numeric value of quantity <b>If</b> QTY01 QTY03 QTY02 43 EA TNP: Total Number of Paths FL EA QN: Quantity of Numbers FJ EA 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 004030 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 004030 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 004030 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 004030 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 Reference Identification**  
**Position:** 3300  
**Loop:** N9 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier  
**Syntax Notes:**  
 1 At least one of N902 or N903 is required.  
 2 If N906 is present, then N905 is required.  
 3 If either C04003 or C04004 is present, then the other is required.  
 4 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:**  
 1 N906 reflects the time zone which the time reflects.  
 2 N907 contains data relating to the value cited in N902.  
**Comments:**

Data Element Summary			
Ref. Des.	Data Element	Name	Attributes
Must Use	N901	128 Reference Identification Qualifier Code qualifying the Reference Identification <b>AT&amp;T valid codes:</b> 82 Data Item Description (DID) Reference H7 Standard Clause <b>Retained</b> L1 Letters or Notes <b>Non Retained</b>	M 1 ID 2/3
	N902	127 Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <b>AT&amp;T valid codes:</b> ACC Access Instructions LOC Location Instructions LTXTY Listing Text Type PLA Place Listing As WPP White Page Products YPH Yellow Page Heading	X 1 AN 1/50
	N903	369 Free-form Description Free-form descriptive text <b>IF</b> N901 N902 N903 82 LTXTY LTXTY: Listing Text Type H7 LOC AAI L1 ACC EU	X 1 AN 1/45
Not Used	N904	373 Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	O 1 DT 8/8
Not Used	N905	337 Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-	X 1 TM 4/8

			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>Not Used</b>	<b>N906</b>	<b>623</b>	<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</b>	<b>1 ID 2/2</b>																
	<b>N907</b>	<b>C040</b>	<b>Reference Identifier</b> To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	<b>O</b>	<b>1</b>																
<b>Must Use</b>	<b>C04001</b>	<b>128</b>	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification <b>AT&amp;T valid code:</b>	<b>M</b>	<b>ID 2/3</b>																
			55 Sequence Number																		
<b>Must Use</b>	<b>C04002</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>M</b>	<b>AN 1/50</b>																
			<b>If</b> <table border="1"> <tr> <td><b>N901</b></td> <td><b>N902</b></td> <td><b>N907</b></td> <td><b>N907</b></td> </tr> <tr> <td></td> <td></td> <td><b>(C040:1)</b></td> <td><b>(C040:2)</b></td> </tr> <tr> <td><b>82</b></td> <td><b>LTXTY</b></td> <td><b>55</b></td> <td><b>LTXNUM: Line of Text</b></td> </tr> <tr> <td></td> <td></td> <td></td> <td><b>Reference No.</b></td> </tr> </table>	<b>N901</b>	<b>N902</b>	<b>N907</b>	<b>N907</b>			<b>(C040:1)</b>	<b>(C040:2)</b>	<b>82</b>	<b>LTXTY</b>	<b>55</b>	<b>LTXNUM: Line of Text</b>				<b>Reference No.</b>		
<b>N901</b>	<b>N902</b>	<b>N907</b>	<b>N907</b>																		
		<b>(C040:1)</b>	<b>(C040:2)</b>																		
<b>82</b>	<b>LTXTY</b>	<b>55</b>	<b>LTXNUM: Line of Text</b>																		
			<b>Reference No.</b>																		
<b>Not Used</b>	<b>C04003</b>	<b>128</b>	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	<b>X</b>	<b>ID 2/3</b>																
			Refer to 004030 Data Element Dictionary for acceptable code values.																		
<b>Not Used</b>	<b>C04004</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>X</b>	<b>AN 1/50</b>																
<b>Not Used</b>	<b>C04005</b>	<b>128</b>	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	<b>X</b>	<b>ID 2/3</b>																
			Refer to 004030 Data Element Dictionary for acceptable code values.																		
<b>Not Used</b>	<b>C04006</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>X</b>	<b>AN 1/50</b>																

**Segment:** **MTX** Text  
**Position:** 3400  
**Loop:** N9 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To specify textual data  
**Syntax Notes:** 1 If MTX01 is present, then MTX02 is required.  
 2 If MTX03 is present, then MTX02 is required.  
 3 If MTX05 is present, then MTX04 is required.  
**Semantic Notes:** 1 MTX05 is the number of lines to advance before printing.  
**Comments:** 1 If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.

**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 004030 Data Element Dictionary for acceptable code values.	O 1 ID 3/3																																
	MTX02	1551	<b>Message Text</b> To transmit large volumes of message text	X 1 AN 1/4096																																
<p><b>If</b></p> <table border="0"> <tr> <td>N901</td> <td>N902</td> <td>N903</td> <td>MTX02</td> </tr> <tr> <td>82</td> <td>PLA</td> <td></td> <td>PLA: Place Listing As</td> </tr> <tr> <td>82</td> <td>WPP</td> <td></td> <td>WPP: White Page Products</td> </tr> <tr> <td>82</td> <td>YPH</td> <td></td> <td>YPH: Yellow Page Heading Code</td> </tr> <tr> <td>H7</td> <td>LOC</td> <td>AAI</td> <td>AAI: Additional Address Information</td> </tr> <tr> <td>L1</td> <td>ACC</td> <td>EU</td> <td>ACC: Access Information</td> </tr> <tr> <td>82</td> <td>LTXTY</td> <td>LTXTY value</td> <td>LPHRASE: Listing Phrase *</td> </tr> <tr> <td>82</td> <td>LTXTY</td> <td>LTXTY value</td> <td>LTEXT: Line of Text **</td> </tr> </table> <p>* LPHRASE passed when LTXTY N903 value = "TT or "OP"                  **LTEXT passed when LTXTY N903 value not = "TT" or "OP"</p>					N901	N902	N903	MTX02	82	PLA		PLA: Place Listing As	82	WPP		WPP: White Page Products	82	YPH		YPH: Yellow Page Heading Code	H7	LOC	AAI	AAI: Additional Address Information	L1	ACC	EU	ACC: Access Information	82	LTXTY	LTXTY value	LPHRASE: Listing Phrase *	82	LTXTY	LTXTY value	LTEXT: Line of Text **
N901	N902	N903	MTX02																																	
82	PLA		PLA: Place Listing As																																	
82	WPP		WPP: White Page Products																																	
82	YPH		YPH: Yellow Page Heading Code																																	
H7	LOC	AAI	AAI: Additional Address Information																																	
L1	ACC	EU	ACC: Access Information																																	
82	LTXTY	LTXTY value	LPHRASE: Listing Phrase *																																	
82	LTXTY	LTXTY value	LTEXT: Line of Text **																																	
Not Used	MTX03	1551	<b>Message Text</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 004030 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** Name  
**Position:** 3500  
**Loop:** N1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:**  
 1 At least one of N102 or N103 is required.  
 2 If either N103 or N104 is present, then the other is required.  
**Semantic Notes:**  
**Comments:**  
 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.  
 2 N105 and N106 further define the type of entity in N101.

**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> 8V Primary Intra-LATA (Local Access Transport Area) Carrier DA Delivery Address DH Doing Business As HK Subscriber IT Installation on Site P9 Primary Interexchange Carrier (PIC)	M 1 ID 2/3
	N102	93 Name Free-form name <b>If</b> N101 N102 DA NAME: Name (Directory Delivery) HK CNAM: Calling Name IT NAME: Name (End User)	X 1 AN 1/60
	N103	66 Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 12 Telephone Number (Phone) 41 Telecommunications Carrier Identification Code	X 1 ID 1/2
	N104	67 Identification Code Code identifying a party or other code <b>If</b> N101 N103 N104 P9 41 PIC: Presubscription Interexchange Carrier 8V 41 LPIC: Local Presubscription Interexchange Carrier DH 12 LTN: Listing Telephone Number (see P01/SI)	X 1 AN 2/80
Not Used	N105	706 Entity Relationship Code	O 1 ID 2/2

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")

<b>Not Used</b>	<b>N106</b>	<b>98</b>	<b>Entity Identifier Code</b>	<b>O 1 ID 2/3</b>
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Code describing entity relationship  
Refer to 004030 Data Element Dictionary for acceptable code values.

Code identifying an organizational entity, a physical location, property or an individual  
Refer to 004030 Data Element Dictionary for acceptable code values.

**Segment:** **IN2** Individual Name Structure Components  
**Position:** 3650  
**Loop:** N1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To sequence individual name components for maximum specificity  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

Must Use	Ref. Des.	Data Element	Name	Attributes
Must Use	IN201	1104	<b>Name Component Qualifier</b> Code identifying the type of name component <b>AT&amp;T valid codes:</b> 01 Prefix 02 First Name 05 Last Name 09 Suffix 10 Generation 18 Preferred First Name or Nickname 21 Professional Title	M 1 ID 2/2
Must Use	IN202	93	<b>Name</b> Free-form name <b>If</b> N101 IN201 IN202 DH 01 TITLE1: Title of Address1 DH 02 LNFN: Listed Name First DH 05 LNLN: Listed Name Last DH 09 TITLE2: Title of Address2 DH 10 TL: Title of Lineage DH 18 NICK: Nickname DH 21 DES: Designation	M 1 AN 1/60
	IN203	93	<b>Name</b> Free-form name <b>If</b> N101 IN201 IN202 IN203 DH 02 LNFN: Listed Name First Excess of 60 Char of LNFN DH 01 TITLE1 DH 09 TITLE2 DH 10 TL	O 1 AN 1/60

**Segment:** **N4 Geographic Location**  
**Position:** 3800  
**Loop:** N1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party  
**Syntax Notes:**  
 1 Only one of N402 or N407 may be present.  
 2 If N406 is present, then N405 is required.  
 3 If N407 is present, then N404 is required.  
**Semantic Notes:**  
**Comments:**  
 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.  
 2 N402 is required only if city name (N401) is in the U.S. or Canada.

**Data Element Summary**

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
Not Used	N401	19 City Name Free-form text for city name	O 1 AN 2/30
	N402	156 State or Province Code Code (Standard State/Province) as defined by appropriate government agency	X 1 ID 2/2
		If N101 N402 DA STATE: State (Directory Delivery) DH LAST: Listed Address State/Province IT STATE: State (End User)	
	N403	116 Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O 1 ID 3/15
		If N101 N403 DA ZIP: Zip Code (Directory Delivery) IT ZIP: Zip Code (End User)	
Not Used	N404	26 Country Code Code identifying the country	X 1 ID 2/3
Not Used	N405	309 Location Qualifier Code identifying type of location Refer to 004030 Data Element Dictionary for acceptable code values.	X 1 ID 1/2
Not Used	N406	310 Location Identifier Code which identifies a specific location	O 1 AN 1/30
Not Used	N407	1715 Country Subdivision Code Code identifying the country subdivision	X 1 ID 1/3

**Segment:** **NX2** Location ID Component  
**Position:** 3850  
**Loop:** N1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To define types and values of a geographic location  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	NX201	1106	Address Component Qualifier Code qualifying the type of address component <b>AT&amp;T valid codes:</b>	M 1 ID 2/2
			01 Street Number	
			02 Street Name	
			03 Prefix Direction	
			07 City Name	
			12 Building Name	
			13 Apartment Number	
			14 Suite Number	
			15 Unstructured Street Address	
			30 Pier	
			31 Wing	
			32 Floor	
			34 Lot	
			35 Room	
			36 Slip	
			37 Unit	
			40 Street Suffix	
			59 Street Number Low	
			61 Street Number Fraction	
			62 Street Name Suffix	
Must Use	NX202	166	Address Information Address information <b>If</b> N101 NX201 NX202 DA 01 DDANO: Delivery Address Number DA 02 DDASN: Delivery Address Street Name DA 15 (overflow) DDASN: Excess of 55 char of DDASN DA 03 DDASD: Delivery Address Street Directional Prefix DA 07 CITY: City (Directory Delivery) DA 40 DDASS: Delivery Address Street Directional Suffix DA 59 DDAPR: Delivery Address Prefix	M 1 AN 1/55

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")

```
DA 61 DDASF: Delivery Address Number Suffix
DA 62 DDATH: Delivery Address Street Type

DA 12 LV1: Location Value 1 (Directory Delivery
Address)
AT&T maps "BLDG" to LD1: Location Designator 1)

DA 30 LV1: Location Value 1 (Directory Delivery
Address)
AT&T maps "PIER" to LD1: Location Designator 1)

DA 31 LV1: Location Value 1 (Directory Delivery
Address)
AT&T maps "WNG" to LD1: Location Designator 1)

DA 32 LV2: Location Value 2 (Directory Delivery
Address)
AT&T maps "FLR" to LD2: Location Designator 2)

DA 13 LV3: Location Value 3 (Directory Delivery
Address)
AT&T maps "APT" to LD3: Location Designator 3)

DA 14 LV3: Location Value 3 (Directory Delivery
Address)
AT&T maps "SUIT" to LD3: Location Designator 3)

DA 34 LV3: Location Value 3 (Directory Delivery
Address)
AT&T maps "LOT" to LD3: Location Designator 3)

DA 35 LV3: Location Value 3 (Directory Delivery
Address)
AT&T maps "RM" to LD3: Location Designator 3)

DA 36 LV3: Location Value 3 (Directory Delivery
Address)
AT&T maps "SLIP" to LD3: Location Designator 3)

DA 37 LV3: Location Value 3 (Directory Delivery
Address)
AT&T maps "UNIT" to LD3: Location Designator 3)

DH 01 LANO: Listed Address Number
DH 02 LASN: Listed Address Street Name
DH 15 (overflow) LASN: Excess of 55 char of LASN
DH 03 LASD: Listed Address Street Directional Prefix
DH 07 LALOC: Listed Address Locality
DH 40 LASS: Listed Address Street Directional Suffix
DH 59 LAPR: Listed Address Prefix
DH 61 LASF: Listed Address Suffix
DH 62 LATH: Listed Address Street Type

IT 01 SANO: Service Address Number
IT 02 SASN: Service Address Street Name
IT 15 overflow SASN: excess of 55 char of SASN
IT 03 SASD: Service Address Street Directional Prefix
IT 07 CITY (EU): End User City
IT 40 SASS: Service Address Street Suffix
IT 61 SASF: Service Address Suffix
IT 62 SATH: Service Address Thoroughfare
```

```

IT 12    LV1: Location Value 1 (Service Address)
        AT&T maps "BLDG" to LD1: Location Designator 1)

IT 30    LV1: Location Value 1 (Service Address)
        AT&T maps "PIER" to LD1: Location Designator 1)

IT 31    LV1: Location Value 1 (Service Address)
        AT&T maps "WNG" to LD1: Location Designator 1)

IT 32    LV2: Location Value 2 (Service Address)
        AT&T maps "FLR" to LD2: Location Designator 2)

IT 13    LV3: Location Value 3 (Service Address)
        AT&T maps "APT" to LD3: Location Designator 3)

IT 14    LV3: Location Value 3 (Service Address)
        AT&T maps "SUIT" to LD3: Location Designator 3)

IT 34    LV3: Location Value 3 (Service Address)
        AT&T maps "LOT" to LD3: Location Designator 3)

IT 35    LV3: Location Value 3 (Service Address)
        AT&T maps "RM" to LD3: Location Designator 3)

IT 36    LV3: Location Value 3 (Service Address)
        AT&T maps "SLIP" to LD3: Location Designator 3)

IT 37    LV3: Location Value 3 (Service Address)
        AT&T maps "UNIT" to LD3: Location Designator 3)
    
```

Not Used    NX203    1096    **County Designator**    0    1 ID 5/5  
 Code identifying the county within a state

**Segment:** **REF** Reference Identification  
**Position:** 3900  
**Loop:** N1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 12  
**Purpose:** To specify identifying information  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**

**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 code:</b> IX Item Number	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> N101 REF01 REF03 REF02 IT IX LOCNUM LOCNUM: Location Number	X 1 AN 1/50
	REF03	352	<b>Description</b> A free-form description to clarify the related data elements and their content <b>If</b> REF01 REF03 IX LOCNUM	X 1 AN 1/80
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 004030 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 004030 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 004030 Data Element Dictionary for acceptable code values.	X ID 2/3

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<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:** **PER** **Administrative Communications Contact**  
**Position:** 4000  
**Loop:** N1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 3  
**Purpose:** To identify a person or office to whom administrative communications should be directed  
**Syntax Notes:** 1 If either PER03 or PER04 is present, then the other is required.  
 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>Des.</u>	<u>Element</u>		
Must Use	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 code:</b> CA Customer Contact Granting Appointment	M 1 ID 2/2
	PER02	93	<b>Name</b> Free-form name <b>If</b> N101 PER01 PER02 IT CA LCON-NAME: Local Contact	O 1 AN 1/60
	PER03	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number <b>AT&amp;T valid code:</b> TE Telephone	X 1 ID 2/2
	PER04	364	<b>Communication Number</b> Complete communications number including country or area code when applicable <b>If</b> N101 PER01 DE365 DE364 IT CA TE LCON-TEL NO: Local Contact Telephone No.	X 1 AN 1/256
Not Used	PER05	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number Refer to 004030 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
Not Used	PER06	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	X 1 AN 1/256
Not Used	PER07	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number Refer to 004030 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
Not Used	PER08	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	X 1 AN 1/256
Not Used	PER09	443	<b>Contact Inquiry Reference</b> Additional reference number or description to clarify a contact number	O 1 AN 1/20

**Segment:** **SI Service Characteristic Identification**  
**Position:** 4050  
**Loop:** N1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To specify service characteristic data  
**Syntax Notes:** 1 If either SI04 or SI05 is present, then the other is required.  
 2 If either SI06 or SI07 is present, then the other is required.  
 3 If either SI08 or SI09 is present, then the other is required.  
 4 If either SI10 or SI11 is present, then the other is required.  
 5 If either SI12 or SI13 is present, then the other is required.  
 6 If either SI14 or SI15 is present, then the other is required.  
 7 If either SI16 or SI17 is present, then the other is required.  
 8 If either SI18 or SI19 is present, then the other is required.  
 9 If either SI20 or SI21 is present, then the other is required.  
**Semantic Notes:**  
**Comments:** 1 SI01 defines the source for each of the service characteristics qualifiers.

**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> AD End User Activity	M 1 AN 2/2
Must Use	SI03	234	<b>Product/Service ID</b> Identifying number for a product or service <b>If</b> N101 SI02 SI03 IT AD <b>EUA: End User Activity</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 2/2
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 2/2
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 2/2
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 2/2

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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 2/2
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 2/2
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 2/2
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 2/2
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 2/2
Not Used	SI21	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1	AN 1/48

**Segment:** **SLN** Subline Item Detail

**Position:** 4700

**Loop:** SLN Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify product subline detail item data

**Syntax Notes:**

- 1 If either SLN04 or SLN05 is present, then the other is required.
- 2 If SLN07 is present, then SLN06 is required.
- 3 If SLN08 is present, then SLN06 is required.
- 4 If either SLN09 or SLN10 is present, then the other is required.
- 5 If either SLN11 or SLN12 is present, then the other is required.
- 6 If either SLN13 or SLN14 is present, then the other is required.
- 7 If either SLN15 or SLN16 is present, then the other is required.
- 8 If either SLN17 or SLN18 is present, then the other is required.
- 9 If either SLN19 or SLN20 is present, then the other is required.
- 10 If either SLN21 or SLN22 is present, then the other is required.
- 11 If either SLN23 or SLN24 is present, then the other is required.
- 12 If either SLN25 or SLN26 is present, then the other is required.
- 13 If either SLN27 or SLN28 is present, then the other is required.

**Semantic Notes:**

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

**Comments:**

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

**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	<b>M 1 AN 1/20</b>
	SLN02	350 <b>Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set	<b>O 1 AN 1/20</b>
Must Use	SLN03	662 <b>Relationship Code</b> Code indicating the relationship between entities	<b>M 1 ID 1/1</b>
<b>AT&amp;T valid codes:</b>			
		A Add	
		D Delete	
		I Included	
	SLN04	380 <b>Quantity</b> Numeric value of quantity	<b>X 1 R 1/15</b>
<b>Valid quantity entry or</b>			

			If			
			DE235	SLN04		
			DT	IWTQ: Inside Wire Type Quantity		
			EQ	IWJQ: Inside Wire Jack Quantity		
	SLN05	C001	<b>Composite Unit of Measure</b>	X	1	
			To identify a composite unit of measure (See Figures Appendix for examples of use)			
Must Use	C00101	355	<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			
			AT&T valid code:			
			EA	Each		
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 004030 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 004030 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 004030 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 004030 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> Price per unit of product, service, commodity, etc.	X	1 R 1/17
Not Used	SLN07	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	SLN08	662	<b>Relationship Code</b> Code indicating the relationship between entities	O	1 ID 1/1
	SLN09	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) <b>AT&amp;T valid codes:</b> CL           Color DT           Device Type EQ           Equipment Type LS           Load Sequence	X	1 ID 2/2
	SLN10	234	<b>Product/Service ID</b> Identifying number for a product or service <b>If</b> DE235 DE234 CL   DIRTYP: Directory ID Type DT   IWT: Inside Wire Type EQ   IWJK: Inside Wire Jack Code LS   SO: Sequence Override	X	1 AN 1/48
	SLN11	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) <b>See SLN09 for list of valid codes.</b>	X	1 ID 2/2
	SLN12	234	<b>Product/Service ID</b> Identifying number for a product or service <b>See SLN10 for list of valid entries.</b>	X	1 AN 1/48
	SLN13	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) <b>See SLN09 for the list of valid codes.</b>	X	1 ID 2/2
	SLN14	234	<b>Product/Service ID</b> Identifying number for a product or service <b>See SLN10 for list of valid entries.</b>	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

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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:** 4800  
**Loop:** SLN Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To specify service characteristic data  
**Syntax Notes:**

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

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

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

**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> 99 Continuation Code BB Blocking Activity C3 Header Telephone Number C5 Sequence Telephone Number CU Channel Pair Identifier DG Degree of Indent DU Directory Caption Header Status FD Feature Detail HT Hunting Telephone Number K2 Cable Identification K6 Channel/Pair K9 Cable Identification 2 OT Out Telephone Number SA Service Activity Code SC Service Category Code SF Service Feature/Option Code TB Blocking/Billing Exception TC Transfer Announcement Number	<b>M 1 AN 2/2</b>

		TN TZ	Telephone Numbers) Telephone Line Identifier Type			
<b>Must Use</b>	<b>SI03</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service	<b>M</b>	<b>1</b>	<b>AN 1/48</b>
			If DE1000 DE234 99 Continuation Code BB BA: Blocking Activity C3 PLTN: Prior Level Telephone Number C5 FATN: File After Telephone Number CU CHAN/PAIR2: Channel Pair 2 (Loop Service only) DG LVL: Level of Indent DU PLS: Prior Level Status FD FEATURE DETAIL: Feature Detail HT HTN: Header Telephone Number K2 CABLE ID: Cable ID (Loop Service only) K6 CHAN/PAIR: Channel Pair (Loop Service only) K9 CABLE ID2: Cable ID 2 (Loop Service only) OT OTN: Out Telephone Number (for use in DDPS at Trunk Service Detail Level) SA FA: Feature Activity or SA HLA: Hunt Line Activity SC FEATURE: Feature Codes SF FEATURE: Feature Codes TB BLOCK: Blocking TC TC TO-PRI: Transfer of Calls To Primary No. or TC TC TO-SEC: Transfer of Calls To Sec. No. TN TNS: Telephone Number(s) (for use in DDPS at Trunk Service Detail Level) TZ NOTYP: Number Type			
	<b>SI04</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics See SI02 for list of valid codes.	<b>X</b>	<b>1</b>	<b>AN 2/2</b>
	<b>SI05</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service See SI03 for list of valid entries.	<b>X</b>	<b>1</b>	<b>AN 1/48</b>
	<b>SI06</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics See SI02 for list of valid codes.	<b>X</b>	<b>1</b>	<b>AN 2/2</b>
	<b>SI07</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service See SI03 for list of valid entries.	<b>X</b>	<b>1</b>	<b>AN 1/48</b>
	<b>SI08</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics See SI02 for list of valid codes.	<b>X</b>	<b>1</b>	<b>AN 2/2</b>
	<b>SI09</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service See SI03 for list of valid entries.	<b>X</b>	<b>1</b>	<b>AN 1/48</b>
	<b>SI10</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics See SI02 for list of valid codes.	<b>X</b>	<b>1</b>	<b>AN 2/2</b>
	<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 SI03 for list of valid entries.			
SI12	1000	<b>Service Characteristics Qualifier</b>	X	1	AN 2/2
		Code from an industry code list qualifying the type of service characteristics See SI02 for list of valid codes.			
SI13	234	<b>Product/Service ID</b>	X	1	AN 1/48
		Identifying number for a product or service See SI03 for list of valid entries.			
SI14	1000	<b>Service Characteristics Qualifier</b>	X	1	AN 2/2
		Code from an industry code list qualifying the type of service characteristics See SI02 for list of valid codes.			
SI15	234	<b>Product/Service ID</b>	X	1	AN 1/48
		Identifying number for a product or service See SI03 for list of valid entries.			
SI16	1000	<b>Service Characteristics Qualifier</b>	X	1	AN 2/2
		Code from an industry code list qualifying the type of service characteristics See SI02 for list of valid codes.			
SI17	234	<b>Product/Service ID</b>	X	1	AN 1/48
		Identifying number for a product or service See SI03 for list of valid entries.			
SI18	1000	<b>Service Characteristics Qualifier</b>	X	1	AN 2/2
		Code from an industry code list qualifying the type of service characteristics See SI02 for list of valid codes.			
SI19	234	<b>Product/Service ID</b>	X	1	AN 1/48
		Identifying number for a product or service See SI03 for list of valid entries.			
SI20	1000	<b>Service Characteristics Qualifier</b>	X	1	AN 2/2
		Code from an industry code list qualifying the type of service characteristics See SI02 for list of valid codes.			
SI21	234	<b>Product/Service ID</b>	X	1	AN 1/48
		Identifying number for a product or service See SI03 for list of valid entries.			

<b>Segment:</b>	<b>PID</b>	<b>Product/Item Description</b>
<b>Position:</b>	4900	
<b>Loop:</b>	SLN	Optional
<b>Level:</b>	Detail	
<b>Usage:</b>	Optional	
<b>Max Use:</b>	1000	
<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.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element</b>	<b></b>	<b></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> F Free-form	<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>Not Used</b>	<b>PID03</b>	<b>559 Agency Qualifier Code</b> Code identifying the agency assigning the code values	<b>X 1 ID 2/2</b>
<b>Not Used</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>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> PID01 PID05 F BTRL: Bridge Tap Removal Location	<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>Not Used</b>	<b>PID07</b>	<b>822 Source Subqualifier</b> A reference that indicates the table or text maintained by the Source Qualifier	<b>O 1 AN 1/15</b>
<b>Not Used</b>	<b>PID08</b>	<b>1073 Yes/No Condition or Response Code</b> Code indicating a Yes or No condition or response	<b>O 1 ID 1/1</b>
<b>Not Used</b>	<b>PID09</b>	<b>819 Language Code</b>	<b>O 1 ID 2/3</b>

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Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)

**Segment:** **N9 Reference Identification**  
**Position:** 5230  
**Loop:** N9 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier  
**Syntax Notes:** 1 At least one of N902 or N903 is required.  
 2 If N906 is present, then N905 is required.  
 3 If either C04003 or C04004 is present, then the other is required.  
 4 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:** 1 N906 reflects the time zone which the time reflects.  
 2 N907 contains data relating to the value cited in N902.  
**Comments:**

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes
Must Use	N901	128 Reference Identification Qualifier Code qualifying the Reference Identification	M 1 ID 2/3
<b>AT&amp;T valid codes:</b>			
		55 Sequence Number	
		82 Data Item Description (DID) Reference	
N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X 1 AN 1/50
<b>If</b>			
	N901	N903 N902	
	55	HTSEQ HTSEQ: Hunting Sequence	
<b>If</b>			
	N901	N902	
	82	FAINFO	
	82	PLINFO	
N903	369	Free-form Description Free-form descriptive text	X 1 AN 1/45
<b>If</b>			
	N901	N903	
	55	HTSEQ	
Not Used	N904	373 Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	O 1 DT 8/8
Not Used	N905	337 Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X 1 TM 4/8
Not Used	N906	623 Time Code 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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			Refer to 004030 Data Element Dictionary for acceptable code values.		
<b>Not Used</b>	<b>N907</b>	<b>C040</b>	<b>Reference Identifier</b>	<b>O</b>	<b>1</b>
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier		
<b>Not Used</b>	<b>C04001</b>	<b>128</b>	<b>Reference Identification Qualifier</b>	<b>M</b>	<b>ID 2/3</b>
			Code qualifying the Reference Identification		
			Refer to 004030 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 004030 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 004030 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:** **MTX** Text  
**Position:** 5250  
**Loop:** N9 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To specify textual data  
**Syntax Notes:** 1 If MTX01 is present, then MTX02 is required.  
 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 004030 Data Element Dictionary for acceptable code values.	O 1 ID 3/3
	MTX02	1551	<b>Message Text</b> To transmit large volumes of message text	X 1 AN 1/4096
If N901 N902 MTX02 82 FAINFO FAINFO: File After Information 82 PLINFO PLINFO: Prior Level Information				
Not Used	MTX03	1551	<b>Message Text</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 004030 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:** **QTY** Quantity  
**Position:** 5290  
**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. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	QTY01	673	<b>Quantity Qualifier</b> Code specifying the type of quantity <b>AT&amp;T valid codes:</b> 31 Additional Demand Quantity 38 Original Quantity	M 1 ID 2/2
	QTY02	380	<b>Quantity</b> Numeric value of quantity <b>If</b> QTY01 QTY03 QTY02 31 DY DIRQTY A: Number of Directory Deliveries for Annual Delivery 38 DY DIRQTY NC: Number of Directory Deliveries on New Connect	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> DY Directory Books	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 004030 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 004030 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 004030 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 004030 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:** **N1** Name  
**Position:** 5350  
**Loop:** N1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:**  
 1 At least one of N102 or N103 is required.  
 2 If either N103 or N104 is present, then the other is required.  
**Semantic Notes:**  
**Comments:**  
 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.  
 2 N105 and N106 further define the type of entity in N101.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual <b>AT&amp;T valid code:</b> TT Transfer To	M 1 ID 2/3
	N102	93	<b>Name</b> Free-form name <b>If</b> N101 REF03 N102 TT PRI/SEC TC NAME: Transfer of Calls to Name	X 1 AN 1/60
Not Used	N103	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67)	X 1 ID 1/2
Not Used	N104	67	<b>Identification Code</b> Code identifying a party or other code	X 1 AN 2/80
Not Used	N105	706	<b>Entity Relationship Code</b> Code describing entity relationship Refer to 004030 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
Not Used	N106	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual Refer to 004030 Data Element Dictionary for acceptable code values.	O 1 ID 2/3

**Segment:** **REF** Reference Identification  
**Position:** 5800  
**Loop:** N1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 12  
**Purpose:** To specify identifying information  
**Syntax Notes:**  
 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:**  
 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**

**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 <i>AT&amp;T valid code:</i> 55 Sequence Number	<b>M 1 ID 2/3</b>
	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <i>If</i> N101 REF01 REF03 REF02 TT 55 PRI/SEC TCID: Transfer of Calls to Identifier	<b>X 1 AN 1/50</b>
	REF03	352	<b>Description</b> A free-form description to clarify the related data elements and their content <i>If</i> REF01 REF03 55 PRI or SEC	<b>X 1 AN 1/80</b>
Not Used	REF04	C040	<b>Reference Identifier</b> To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	<b>O 1</b>
Not Used	C04001	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 004030 Data Element Dictionary for acceptable code values.	<b>M ID 2/3</b>
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	<b>M AN 1/50</b>
Not Used	C04003	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 004030 Data Element Dictionary for acceptable code values.	<b>X ID 2/3</b>
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	<b>X AN 1/50</b>
Not Used	C04005	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 004030 Data Element Dictionary for acceptable code values.	<b>X ID 2/3</b>

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<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
	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 004030 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 004030 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>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</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 the 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