

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 and for pre-order and firm order queries. 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.)

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 Information	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
Not Used	1200	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
Not Used	1250	CUR	Currency	O	1		
Not Used	1300	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
Not Used	1400	DIS	Discount Detail	O	20		

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Not Used	1450	INC	Installment Information	O	1	
	1500	DTM	Date/Time Reference	O	10	
Not Used	1800	LIN	Item Identification	O	5	n1
	1850	SI	Service Characteristic Identification	O	>1	
	1900	PID	Product/Item Description	O	200	
Not Used	2000	MEA	Measurements	O	40	
Not Used	2100	PWK	Paperwork	O	25	
Not Used	2200	PKG	Marking, Packaging, Loading	O	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	
LOOP ID - LDT					>1	
Not Used	2855	LDT	Lead Time	O	1	
Not Used	2858	QTY	Quantity Information	O	>1	
Not Used	2860	MTX	Text	O	>1	
Not Used	2865	REF	Reference Information	O	>1	
LOOP ID - AMT					>1	
Not Used	2870	AMT	Monetary Amount Information	O	1	
Not Used	2890	REF	Reference Information	O	>1	
Not Used	2900	DTM	Date/Time Reference	O	1	
Not Used	2920	PCT	Percent Amounts	O	>1	
LOOP ID - FA1					>1	
Not Used	2930	FA1	Type of Financial Accounting Data	O	1	
Not Used	2940	FA2	Accounting Data	M	>1	
LOOP ID - N9					1000	
Not Used	2950	N9	Extended Reference Information	O	1	
Not Used	2970	DTM	Date/Time Reference	O	>1	
Not Used	3000	MTX	Text	O	>1	
Not Used	3050	PWK	Paperwork	O	>1	
Not Used	3080	EFI	Electronic Format Identification	O	>1	
LOOP ID - N1					200	
	3100	N1	Party Identification	O	1	
Not Used	3200	N2	Additional Name Information	O	2	
Not Used	3250	IN2	Individual Name Structure Components	O	>1	
Not Used	3300	N3	Party Location	O	2	
Not Used	3400	N4	Geographic Location	O	>1	
Not Used	3450	NX2	Location ID Component	O	>1	
Not Used	3500	REF	Reference Information	O	12	

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Not Used	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
LOOP ID - LM					>1
Not Used	4300	LM	Code Source Information	O	1
Not Used	4400	LQ	Industry Code Identification	M	>1
LOOP ID - SPI					>1
Not Used	4500	SPI	Specification Identifier	O	1
Not Used	4600	REF	Reference Information	O	5
Not Used	4700	DTM	Date/Time Reference	O	5
Not Used	4800	MTX	Text	O	>1
LOOP ID - N1					20
Not Used	4900	N1	Party Identification	O	1
Not Used	5000	N2	Additional Name Information	O	2
Not Used	5100	N3	Party Location	O	2
Not Used	5200	N4	Geographic Location	O	1
Not Used	5300	REF	Reference Information	O	20
Not Used	5400	G61	Contact	O	1
Not Used	5500	MTX	Text	O	>1
LOOP ID - CB1					>1
Not Used	5600	CB1	Contract and Cost Accounting Standards Data	O	1
Not Used	5700	REF	Reference Information	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
LOOP ID - ADV					>1
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	
Must Use	0100	PO1	Baseline Item Data	M	1	n2
Not Used	0150	LIN	Item Identification	O	>1	
	0180	SI	Service Characteristic Identification	O	>1	
Not Used	0200	CUR	Currency	O	1	

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Not Used	0250	CN1	Contract Information	0	1
Not Used	0300	PO3	Additional Item Detail	0	25
LOOP ID - CTP					>1
Not Used	0400	CTP	Pricing Information	0	1
Not Used	0430	CUR	Currency	0	1
Not Used	0450	PAM	Period Amount	0	10
Not Used	0490	MEA	Measurements	0	40
LOOP ID - PID					1000
	0500	PID	Product/Item Description	0	1
Not Used	0600	MEA	Measurements	0	10
Not Used	0700	PWK	Paperwork	0	25
Not Used	0900	PO4	Item Physical Details	0	>1
	1000	REF	Reference Information	0	>1
Not Used	1100	PER	Administrative Communications Contact	0	3
LOOP ID - SAC					25
Not Used	1300	SAC	Service, Promotion, Allowance, or Charge Information	0	1
Not Used	1350	CUR	Currency	0	1
Not Used	1370	CTP	Pricing Information	0	1
Not Used	1400	IT8	Conditions of Sale	0	1
Not Used	1420	CSH	Sales Requirements	0	>1
Not Used	1500	ITD	Terms of Sale/Deferred Terms of Sale	0	2
Not Used	1600	DIS	Discount Detail	0	20
Not Used	1650	INC	Installment Information	0	1
Not Used	1700	TAX	Tax Reference	0	>1
Not Used	1800	FOB	F.O.B. Related Instructions	0	>1
Not Used	1900	SDQ	Destination Quantity	0	500
Not Used	2000	IT3	Additional Item Data	0	5
	2100	DTM	Date/Time Reference	0	10
Not Used	2350	TC2	Commodity	0	>1
Not Used	2400	TD1	Carrier Details (Quantity and Weight)	0	1
Not Used	2500	TD5	Carrier Details (Routing Sequence/Transit Time)	0	12
Not Used	2600	TD3	Carrier Details (Equipment)	0	12
Not Used	2700	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	0	5
Not Used	2760	PCT	Percent Amounts	0	>1
Not Used	2800	MAN	Marks and Numbers	0	10
Not Used	2890	MTX	Text	0	>1
Not Used	2900	SPI	Specification Identifier	0	>1
Not Used	2910	TXI	Tax Information	0	>1
Not Used	2920	CTB	Restrictions/Conditions	0	>1
LOOP ID - QTY					>1
	2930	QTY	Quantity Information	0	1
Not Used	2940	SI	Service Characteristic Identification	0	>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 Information	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 Information	O	>1
Not Used	3230	MTX	Text	O	>1
Not Used	3240	REF	Reference Information	O	3
		LOOP ID - LM		>1	
Not Used	3250	LM	Code Source Information	O	1
Not Used	3260	LQ	Industry Code Identification	M	>1
Not Used	3270	LE	Loop Trailer	O	1
		LOOP ID - N9		1000	
	3300	N9	Extended Reference Information	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	EFI	Electronic Format Identification	O	>1
		LOOP ID - N1		200	
	3500	N1	Party Identification	O	1
Not Used	3600	N2	Additional Name Information	O	2
Not Used	3650	IN2	Individual Name Structure Components	O	>1
Not Used	3700	N3	Party Location	O	2
	3800	N4	Geographic Location	O	1
Not Used	3830	QTY	Quantity Information	O	>1
	3850	NX2	Location ID Component	O	>1
Not Used	3900	REF	Reference Information	O	12
Not Used	4000	PER	Administrative Communications Contact	O	3
Not Used	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	O	12

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Not Used	4400	TD3	Time) 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 Information	O	5
Not Used	4680	MTX	Text	O	>1
Not Used	4690	REF	Reference Information	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
Not Used	4900	PID	Product/Item Description	O	1000
Not Used	5000	PO3	Additional Item Detail	O	104
Not Used	5025	MEA	Measurements	O	>1
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
Not Used	5230	N9	Extended Reference Information	O	1
Not Used	5240	DTM	Date/Time Reference	O	>1
Not Used	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
Not Used	5290	QTY	Quantity Information	O	1
Not Used	5300	SI	Service Characteristic Identification	O	>1
LOOP ID - N1					10
Not Used	5350	N1	Party Identification	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	Party Location	O	2
Not Used	5600	N4	Geographic Location	O	1
Not Used	5700	NX2	Location ID Component	O	>1
Not Used	5800	REF	Reference Information	O	12

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Not Used	5900	PER	Administrative Communications Contact	O	3	
Not Used	5950	SI	Service Characteristic Identification	O	>1	
LOOP ID - AMT					>1	
Not Used	6000	AMT	Monetary Amount Information	O	1	
Not Used	6100	REF	Reference Information	O	1	
Not Used	6120	PCT	Percent Amounts	O	>1	
LOOP ID - LM					>1	
Not Used	6200	LM	Code Source Information	O	1	
Not Used	6300	LQ	Industry Code Identification	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>
			LOOP ID - CTT			1	
Must Use	0100	CTT	Transaction Totals	M	1		n4
Not Used	0200	AMT	Monetary Amount Information	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. When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.

Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	ST01	143 Transaction Set Identifier Code Code uniquely identifying a Transaction Set 850 Purchase Order	M 1 ID 3/3
Must Use	ST02	329 Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set 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 Implementation Convention Reference 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	Transaction Set Purpose Code Code identifying purpose of transaction set AT&T valid codes: 28 Query	M 1 ID 2/2
Must Use	BEG02	92	Purchase Order Type Code Code specifying the type of Purchase Order IN Information Copy Pre Order Queries SS Supply or Service Order Firm Order Queries	M 1 ID 2/2
Must Use	BEG03	324	Purchase Order Number Identifying number for Query assigned by the orderer/purchaser TXNUM: Transaction Number	M 1 AN 1/22
Not Used	BEG04	328	Release Number Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	O 1 AN 1/30
Must Use	BEG05	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	M 1 DT 8/8
Not Used	BEG06	367	Contract Number Contract number	O 1 AN 1/30
Not Used	BEG07	587	Acknowledgment Type Code specifying the type of acknowledgment Refer to 004050 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
Not Used	BEG08	1019	Invoice Type Code Code defining the method by which invoices are to be processed Refer to 004050 Data Element Dictionary for acceptable code values.	O 1 ID 3/3
Not Used	BEG09	1166	Contract Type Code Code identifying a contract type Refer to 004050 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
Not Used	BEG10	1232	Purchase Category Code identifying the broad category of products or services being acquired Refer to 004050 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
Not Used	BEG11	786	Security Level Code Code indicating the level of confidentiality assigned by the sender to the information following	O 1 ID 2/2

Not Used	BEG12	640	Transaction Type Code	O	1	ID 2/2
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Code specifying the type of transaction

Refer to 004050 Data Element Dictionary for acceptable code values.

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

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Must Use</u>	<u>Des.</u>	<u>Element</u>		
	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification AT&T valid code: 11 Account 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 If REF01 REF03 REF02 11 ATN ATN: Account Telephone Number 11 EATN EATN: Existing Account Telephone Number	X 1 AN 1/50
	REF03	352	Description A free-form description to clarify the related data elements and their content If REF01 REF03 11 ATN 11 EATN	X 1 AN 1/80
Not Used	REF04	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O 1
Not Used	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004050 Data Element Dictionary for acceptable code values.	M ID 2/3
Not Used	C04002	127	Reference Identification 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	Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004050 Data Element Dictionary for acceptable code values.	X ID 2/3
Not Used	C04004	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O AN 1/50
Not Used	C04005	128	Reference Identification Qualifier	O ID 2/3

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Not Used	C04006	127	Reference Identification	O	AN 1/50
			Code qualifying the Reference Identification Refer to 004050 Data Element Dictionary for acceptable code values.		
			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 PAM10 is present, then PAM07 is required.
- 9 If PAM11 is present, then PAM10 is required.
- 10 If PAM12 is present, then PAM10 is required.
- 11 If either PAM13 or PAM14 is present, then the other is required.
- 12 If PAM15 is present, then PAM05 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

Ref. Des.	Data Element	Name	Attributes
PAM01	673	Quantity Qualifier Code specifying the type of quantity AT&T valid codes: 63 On Order Quantity OC Order Count QO Operating Quantity	X 1 ID 2/2
PAM02	380	Quantity Numeric value of quantity If PAM01 PAM02 63 LQTY: Loop Quantity OC NPQTY: Number Portability Quantity QO RSQTY: Resale Quantity	X 1 R 1/15
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 which a measurement has been taken AT&T valid code: EA Each	M ID 2/2
Not Used	C00102	1018 Exponent Power to which a unit is raised	O R 1/15

Not Used	C00103	649	Multiplier Value to be used as a multiplier to obtain a new value	O	R 1/10
Not Used	C00104	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004050 Data Element Dictionary for acceptable code values.	O	ID 2/2
Not Used	C00105	1018	Exponent Power to which a unit is raised	O	R 1/15
Not Used	C00106	649	Multiplier Value to be used as a multiplier to obtain a new value	O	R 1/10
Not Used	C00107	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004050 Data Element Dictionary for acceptable code values.	O	ID 2/2
Not Used	C00108	1018	Exponent Power to which a unit is raised	O	R 1/15
Not Used	C00109	649	Multiplier Value to be used as a multiplier to obtain a new value	O	R 1/10
Not Used	C00110	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004050 Data Element Dictionary for acceptable code values.	O	ID 2/2
Not Used	C00111	1018	Exponent Power to which a unit is raised	O	R 1/15
Not Used	C00112	649	Multiplier Value to be used as a multiplier to obtain a new value	O	R 1/10
Not Used	C00113	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004050 Data Element Dictionary for acceptable code values.	O	ID 2/2
Not Used	C00114	1018	Exponent Power to which a unit is raised	O	R 1/15
Not Used	C00115	649	Multiplier Value to be used as a multiplier to obtain a new value	O	R 1/10
Not Used	PAM04	522	Amount Qualifier Code Code to qualify amount Refer to 004050 Data Element Dictionary for acceptable code values.	O	1 ID 1/3
Not Used	PAM05	782	Monetary Amount Monetary amount	O	1 R 1/18
Not Used	PAM06	344	Unit of Time Period or Interval Code indicating the time period or interval Refer to 004050 Data Element Dictionary for acceptable code values.	O	1 ID 2/2
Not Used	PAM07	374	Date/Time Qualifier Code specifying type of date or time, or both date and time Refer to 004050 Data Element Dictionary for acceptable code values.	O	1 ID 3/3
Not Used	PAM08	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of	O	1 DT 8/8

Not Used	PAM09	337	the calendar year Time	O	1	TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)			
Not Used	PAM10	374	Date/Time Qualifier	O	1	ID 3/3
			Code specifying type of date or time, or both date and time Refer to 004050 Data Element Dictionary for acceptable code values.			
Not Used	PAM11	373	Date	O	1	DT 8/8
			Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			
Not Used	PAM12	337	Time	O	1	TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)			
Not Used	PAM13	1004	Percent Qualifier	O	1	ID 1/2
			Code to qualify percent Refer to 004050 Data Element Dictionary for acceptable code values.			
Not Used	PAM14	954	Percentage as Decimal	O	1	R 1/10
			Percentage expressed as a decimal (e.g., 0.0 through 1.0 represents 0% through 100%)			
Not Used	PAM15	1073	Yes/No Condition or Response Code	O	1	ID 1/1
			Code indicating a Yes or No condition or response Refer to 004050 Data Element Dictionary for acceptable code values.			

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.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time AT&T valid codes: 097 Transaction Creation 150 Service Period Start	M 1 ID 3/3
Must Use	DTM02	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year If DTM01 DTM02 097 D/TSENT: Date Sent 097 DATE: Date Sent 097 DT-SENT: Date Sent 150 DDD: Desired Due Date	M 1 DT 8/8
	DTM03	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) If DTM01 DTM03 097 TIME: Time Sent 097 TM-SENT: Time Sent	O 1 TM 4/8
Not Used	DTM04	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 Refer to 004050 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
Not Used	DTM05	1250	Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format Refer to 004050 Data Element Dictionary for acceptable code values.	O 1 ID 2/3
Not Used	DTM06	1251	Date Time Period Expression of a date, a time, or range of dates, times or dates and times	O 1 AN 1/35

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	Agency Qualifier Code Code identifying the agency assigning the code values AT&T valid code: TI Telecommunications Industry	M 1 ID 2/2
Must Use	SI02	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics AT&T valid codes: AA Account Activity Code IQ Transaction Type IR Transaction Activity LS Local Service Office QC Transaction Classification RE RequisitionType TY Type of Service	M 1 AN 2/3
Must Use	SI03	234	Product/Service ID Identifying number for a product or service If DE1000 DE234 AA ACT: Activity Type IQ TXTYP: Transaction Type IR TXACT: Transaction Activity LS LSO: Local Service Office QC TXCLS: Transaction Classification RE REQ TYP: Requisition Type TY TOS: Type of Service	M 1 AN 1/48
	SI04	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics See SI02 for the list of valid codes.	X 1 AN 2/3

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SI05	234	Product/Service ID Identifying number for a product or service <i>See SI03 for the list of valid entries.</i>	X	1	AN 1/48
SI06	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics <i>See SI02 for the list of valid codes.</i>	X	1	AN 2/3
SI07	234	Product/Service ID Identifying number for a product or service <i>See SI03 for the list of valid entries.</i>	X	1	AN 1/48
SI08	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics <i>See SI02 for the list of valid codes.</i>	X	1	AN 2/3
SI09	234	Product/Service ID Identifying number for a product or service <i>See SI03 for the list of valid entries.</i>	X	1	AN 1/48
SI10	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics <i>See SI02 for the list of valid codes.</i>	X	1	AN 2/3
SI11	234	Product/Service ID Identifying number for a product or service <i>See SI03 for the list of valid entries.</i>	X	1	AN 1/48
SI12	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics <i>See SI02 for the list of valid codes.</i>	X	1	AN 2/3
SI13	234	Product/Service ID Identifying number for a product or service <i>See SI03 for the list of valid entries.</i>	X	1	AN 1/48
SI14	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics <i>See SI02 for the list of valid codes.</i>	X	1	AN 2/3
SI15	234	Product/Service ID Identifying number for a product or service <i>See SI03 for the list of valid entries.</i>	X	1	AN 1/48
SI16	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics <i>See SI02 for the list of valid codes.</i>	X	1	AN 2/3
SI17	234	Product/Service ID Identifying number for a product or service <i>See SI03 for the list of valid entries.</i>	X	1	AN 1/48
SI18	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics <i>See SI02 for the list of valid codes.</i>	X	1	AN 2/3
SI19	234	Product/Service ID Identifying number for a product or service <i>See SI03 for the list of valid entries.</i>	X	1	AN 1/48

SI20	1000	Service Characteristics Qualifier	X	1	AN 2/3
		Code from an industry code list qualifying the type of service characteristics See SI02 for the list of valid codes.			
SI21	234	Product/Service ID	X	1	AN 1/48
		Identifying number for a product or service See SI03 for the list of valid entries.			

Segment: **PID** **Product/Item Description**
Position: 1900
Loop:
Level: Heading
Usage: Optional
Max Use: 200
Purpose: To describe a product or process in coded or free-form format
Syntax Notes:

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

Semantic Notes:

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

Comments:

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

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PID01	349	Item Description Type Code indicating the format of a description AT&T valid code: S Structured (From Industry Code List)	M 1 ID 1/1
Not Used	PID02	750	Product/Process Characteristic Code Code identifying the general class of a product or process characteristic Refer to 004050 Data Element Dictionary for acceptable code values.	O 1 ID 2/3
	PID03	559	Agency Qualifier Code Code identifying the agency assigning the code values AT&T valid code: TI Telecommunications Industry	X 1 ID 2/2
Must Use	PID04	751	Product Description Code A code from an industry code list which provides specific data about a product characteristic AT&T valid code: AH Coordinated Hot Cut is Requested	M 1 AN 1/12
Not Used	PID05	352	Description A free-form description to clarify the related data elements and their content	O 1 AN 1/80
Not Used	PID06	752	Surface/Layer/Position Code Code indicating the product surface, layer or position that is being described Refer to 004050 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
	PID07	822	Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier	O 1 AN 1/15

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

Segment: **N1 Party Identification**
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 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual AT&T valid codes: BY Buying Party (Purchaser) IT Installation on Site	M 1 ID 2/3
	N102	93 Name Free-form name If N101 N103 N104 N102 BY 25 CC value CUST: Customer Name	X 1 AN 1/60
	N103	66 Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) AT&T valid code: 25 Carrier's Customer Code	X 1 ID 1/2
	N104	67 Identification Code Code identifying a party or other code If N101 N103 N104 BY 25 CC: Company Code	X 1 AN 2/80
Not Used	N105	706 Entity Relationship Code Code describing entity relationship Refer to 004050 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
Not Used	N106	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual Refer to 004050 Data Element Dictionary for acceptable code values.	O 1 ID 2/3

Segment: **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	Agency Qualifier Code Code identifying the agency assigning the code values AT&T valid code: TI Telecommunications Industry	M 1 ID 2/2
Must Use	SI02	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics AT&T valid code: NW New Construction Indicator	M 1 AN 2/3
Must Use	SI03	234	Product/Service ID Identifying number for a product or service If N101 DE1000 DE234 IT NW NCON: New Construction Indicator	M 1 AN 1/48
	SI04	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics See SI02 for list of valid codes.	O 1 AN 2/3
	SI05	234	Product/Service ID Identifying number for a product or service See SI03 for list of valid codes.	X 1 AN 1/48
Not Used	SI06	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	X 1 AN 2/3
Not Used	SI07	234	Product/Service ID Identifying number for a product or service	X 1 AN 1/48
Not Used	SI08	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	X 1 AN 2/3
Not Used	SI09	234	Product/Service ID Identifying number for a product or service	X 1 AN 1/48

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Not Used	SI10	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	X	1	AN 2/3
Not Used	SI11	234	Product/Service ID Identifying number for a product or service	X	1	AN 1/48
Not Used	SI12	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	X	1	AN 2/3
Not Used	SI13	234	Product/Service ID Identifying number for a product or service	X	1	AN 1/48
Not Used	SI14	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	X	1	AN 2/3
Not Used	SI15	234	Product/Service ID Identifying number for a product or service	X	1	AN 1/48
Not Used	SI16	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	X	1	AN 2/3
Not Used	SI17	234	Product/Service ID Identifying number for a product or service	X	1	AN 1/48
Not Used	SI18	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	X	1	AN 2/3
Not Used	SI19	234	Product/Service ID Identifying number for a product or service	X	1	AN 1/48
Not Used	SI20	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	X	1	AN 2/3
Not Used	SI21	234	Product/Service ID Identifying number for a product or service	X	1	AN 1/48

Segment: **PO1** **Baseline Item Data**

Position: 0100

Loop: PO1 Mandatory

Level: Detail

Usage: Mandatory

Max Use: 1

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

Syntax Notes:

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

Semantic Notes:

- 1 PO102 is quantity ordered.

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.

Data Element Summary

Ref.	Data				
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>	
PO101	350	Assigned Identification		O 1 AN 1/20	
		Alphanumeric characters assigned for differentiation within a transaction set			
PO102	380	Quantity		X 1 R 1/15	
		Numeric value of quantity			
PO103	355	Unit or Basis for Measurement Code		O 1 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	PO104	212 Unit Price		O 1 R 1/17	
		Price per unit of product, service, commodity, etc.			
Not Used	PO105	639 Basis of Unit Price Code		O 1 ID 2/2	
		Code identifying the type of unit price for an item			
		Refer to 004050 Data Element Dictionary for acceptable code values.			
PO106	235	Product/Service ID Qualifier		O 1 ID 2/2	
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		AT&T valid code:			
		TY Telecommunications Industry Service Code			
PO107	234	Product/Service ID		O 1 AN 1/48	
		Identifying number for a product or service			

			If			
			DE235 DE234			
			TY LNECLSSVS: Class of Service			
Not Used	PO108	235	Product/Service ID Qualifier	O	1	ID 2/2
Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004050 Data Element Dictionary for acceptable code values.						
Not Used	PO109	234	Product/Service ID	O	1	AN 1/48
Identifying number for a product or service						
Not Used	PO110	235	Product/Service ID Qualifier	O	1	ID 2/2
Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004050 Data Element Dictionary for acceptable code values.						
Not Used	PO111	234	Product/Service ID	O	1	AN 1/48
Identifying number for a product or service						
Not Used	PO112	235	Product/Service ID Qualifier	O	1	ID 2/2
Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004050 Data Element Dictionary for acceptable code values.						
Not Used	PO113	234	Product/Service ID	O	1	AN 1/48
Identifying number for a product or service						
Not Used	PO114	235	Product/Service ID Qualifier	O	1	ID 2/2
Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004050 Data Element Dictionary for acceptable code values.						
Not Used	PO115	234	Product/Service ID	O	1	AN 1/48
Identifying number for a product or service						
Not Used	PO116	235	Product/Service ID Qualifier	O	1	ID 2/2
Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004050 Data Element Dictionary for acceptable code values.						
Not Used	PO117	234	Product/Service ID	O	1	AN 1/48
Identifying number for a product or service						
Not Used	PO118	235	Product/Service ID Qualifier	O	1	ID 2/2
Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004050 Data Element Dictionary for acceptable code values.						
Not Used	PO119	234	Product/Service ID	O	1	AN 1/48
Identifying number for a product or service						
Not Used	PO120	235	Product/Service ID Qualifier	O	1	ID 2/2
Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004050 Data Element Dictionary for acceptable code values.						
Not Used	PO121	234	Product/Service ID	O	1	AN 1/48
Identifying number for a product or service						
Not Used	PO122	235	Product/Service ID Qualifier	O	1	ID 2/2
Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004050 Data Element Dictionary for acceptable code values.						
Not Used	PO123	234	Product/Service ID	O	1	AN 1/48
Identifying number for a product or service						

Not Used	PO124	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004050 Data Element Dictionary for acceptable code values.	O	1	ID 2/2
Not Used	PO125	234	Product/Service ID Identifying number for a product or service	O	1	AN 1/48

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

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

Semantic Notes:
Comments:

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

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	SI01	559	Agency Qualifier Code Code identifying the agency assigning the code values AT&T valid code:	M 1 ID 2/2
			TI Telecommunications Industry	
Must Use	SI02	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics AT&T valid codes:	M 1 AN 2/3
			CN Circuit ID	
			EC Exception Characters	
			HT Multi-Hunt Number	
			IP Number Portability Type	
			LO Local Exchange Carrier Serving Office Code	
			LS Local Serving Office	
			MG Migration Indicator	
			NC Network Channel Code	
			NI Network Channel Interface Code	
			NJ Secondary Network Channel	
			RI Route Index	
			RQ Requested Telephone Number	
			S3 Service Order Status Code	
			SA Service Activity Code	
			T0 Option	
			TQ Lead Telephone Number	
			TY Type Of Service	
			WT Working Telephone Number	

Must Use	SI03	234	Product/Service ID	M	1	AN 1/48
			Identifying number for a product or service			
			If DE1000 DE234 CN ECCKT: Circuit ID EC EXCEPT-CHAR: Exception Characters HT MLH-RETURN-NUM1: Multi-Hunt Number To Be Returned HT EXIST-MLH-NO: Existing Multi-line Hunt Group IP NPT: Number Portability Type LO LST:Local Service Office LS MISC-NPA-NXX: Miscellaneous NPA-NXX LS LSO: Local Service Office MG MI: Migration Indicator NC NC: Network Channel Code NI NCI: Network Channel Interface Code NJ SECNCI: Secondary Network Channel Interface Code RI DID_ROUTE: Route Index RQ REQNUM_IN: Telephone Number RQ REQNUM-LOW: Telephone Number SA LNA: Line Activity S3 PROC-STAT: Status of Service Order T0 TNSQ-OPTION: Option TQ LEAD-TN: Lead Telephone Number TY TOS: Line Type of Service TY TOS-PIC-SVC-OFNG: Type of Service WT WTN: Working Telephone Number WT LMUW_WTN: Telephone Number or Circuit ID			
	SI04	1000	Service Characteristics Qualifier	X	1	AN 2/3
			Code from an industry code list qualifying the type of service characteristics See SI02 for the list of valid codes.			
	SI05	234	Product/Service ID	X	1	AN 1/48
			Identifying number for a product or service			
	SI06	1000	Service Characteristics Qualifier	X	1	AN 2/3
			Code from an industry code list qualifying the type of service characteristics See SI02 for the list of valid codes.			
	SI07	234	Product/Service ID	X	1	AN 1/48
			Identifying number for a product or service			
	SI08	1000	Service Characteristics Qualifier	X	1	AN 2/3
			Code from an industry code list qualifying the type of service characteristics See SI02 for the list of valid codes.			
	SI09	234	Product/Service ID	X	1	AN 1/48
			Identifying number for a product or service			
	SI10	1000	Service Characteristics Qualifier	X	1	AN 2/3
			Code from an industry code list qualifying the type of service characteristics See SI02 for the list of valid codes.			
	SI11	234	Product/Service ID	X	1	AN 1/48
			Identifying number for a product or service			
	SI12	1000	Service Characteristics Qualifier	X	1	AN 2/3
			Code from an industry code list qualifying the type of service characteristics See SI02 for the list of valid codes.			
	SI13	234	Product/Service ID	X	1	AN 1/48

		Identifying number for a product or service			
SI14	1000	Service Characteristics Qualifier	X	1	AN 2/3
		Code from an industry code list qualifying the type of service characteristics			
		See SI02 for the list of valid codes.			
SI15	234	Product/Service ID	X	1	AN 1/48
		Identifying number for a product or service			
SI16	1000	Service Characteristics Qualifier	X	1	AN 2/3
		Code from an industry code list qualifying the type of service characteristics			
		See SI02 for the list of valid codes.			
SI17	234	Product/Service ID	X	1	AN 1/48
		Identifying number for a product or service			
SI18	1000	Service Characteristics Qualifier	X	1	AN 2/3
		Code from an industry code list qualifying the type of service characteristics			
		See SI02 for the list of valid codes.			
SI19	234	Product/Service ID	X	1	AN 1/48
		Identifying number for a product or service			
SI20	1000	Service Characteristics Qualifier	X	1	AN 2/3
		Code from an industry code list qualifying the type of service characteristics			
		See SI02 for the list of valid codes.			
SI21	234	Product/Service ID	X	1	AN 1/48
		Identifying number for a product or service			

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	Item Description Type Code indicating the format of a description AT&T valid codes: S Structured (From Industry Code List) X Semi-structured (Code and Text)	M 1 ID 1/1
Not Used	PID02	750	Product/Process Characteristic Code Code identifying the general class of a product or process characteristic Refer to 004050 Data Element Dictionary for acceptable code values.	O 1 ID 2/3
	PID03	559	Agency Qualifier Code Code identifying the agency assigning the code values AT&T valid code: TI Telecommunications Industry	X 1 ID 2/2
Must Use	PID04	751	Product Description Code A code from an industry code list which provides specific data about a product characteristic AT&T valid codes: BU Hunting Indicator DD Unnumbered House Indicator HIER Hierarchy LSTINTER Last Terminal In LSTOUTER Last Terminal Out PICSVC PIC Service Offering	M 1 AN 1/12

		TNTYPE	Telephone Number Option		
	PID05	352	Description	O	1 AN 1/80
			A free-form description to clarify the related data elements and their content		
			If		
		PID01	PID04	PID05	
		X	HIER	HIER: Hierarchy	
		X	LSTINTER	LAST-IN-TER: Last Terminal In	
		X	LSTOUTER	LAST-OUT-TER: Last Terminal Out	
		X	PICSVC	PIC-SVC-OFNG: PIC Service Offering	
		X	TNTYPE	TN-OPTION: Telephone Number Type	
Not Used	PID06	752	Surface/Layer/Position Code	O	1 ID 2/2
			Code indicating the product surface, layer or position that is being described		
			Refer to 004050 Data Element Dictionary for acceptable code values.		
	PID07	822	Source Subqualifier	O	1 AN 1/15
			A reference that indicates the table or text maintained by the Source Qualifier		
			SO-RSQ Service Order - Reseller Questions		
	PID08	1073	Yes/No Condition or Response Code	O	1 ID 1/1
			Code indicating a Yes or No condition or response		
			If		
		PID01	PID04	PID07	PID08
		S	BU	SO-RSQ	HUNTING: Hunting Indicator
		X	DD	SO-RSQ	UNNUM-HOUSE-IND: Unnumbered House Indicator
Not Used	PID09	819	Language Code	O	1 ID 2/3
			Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)		

Segment: **REF** Reference Information
Position: 1000
Loop: PO1 Mandatory
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:
 1 At least one of REF02 or REF03 is required.
 2 If either C04003 or C04004 is present, then the other is required.
 3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
 1 REF04 contains data relating to the value cited in REF02.
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier	M 1 ID 2/3
			Code qualifying the Reference Identification	
			AT&T valid codes:	
			11 Account Number	
			CR Customer Reference Number	
			IX Item Number	
			OZ Product Number	
			PO Purchase Order Number	
	REF02	127	Reference Identification	X 1 AN 1/50
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			If	
			REF01 REF03 REF02	
			11 AN AN: Account Number	
			11 ATN ATN: Account Telephone Number	
			11 LEATN LEATN: Line Existing Account Telephone Number	
			CR CONFIRM-NUM: Confirmation Number	
			OZ SERVICE-ABBREV: Service Abbreviation	
			PO PON: Purchase Order Number	
			IX RESID RESID: Facilities Reservation Number	
	REF03	352	Description	X 1 AN 1/80
			A free-form description to clarify the related data elements and their content	
			If	
			REF01 REF03	
			11 AN, ATN, or LEATN	
			IX RESID	
Not Used	REF04	C040	Reference Identifier	O 1
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	
Not Used	C04001	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			Refer to 004050 Data Element Dictionary for acceptable code values.	
Not Used	C04002	127	Reference Identification	M AN 1/50
			Reference information as defined for a particular Transaction Set or as	

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

Segment: **DTM** Date/Time Reference
Position: 2100
Loop: PO1 Mandatory
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:
 1 At least one of DTM02 DTM03 or DTM05 is required.
 2 If DTM04 is present, then DTM03 is required.
 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Must Use</u>	<u>Des.</u>	<u>Element</u>		
	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time AT&T valid codes: 036 Expiration 090 Report Start 091 Report End 201 Acceptance	M 1 ID 3/3
	DTM02	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year If DTM01 DTM02 090 FROM-DATE: Report Start 091 TO-DATE: Report End 036 EXPIRE-DT: Expiration Date 201 LSP-AUTHDATE: LSP Authorization Date	X 1 DT 8/8
Not Used	DTM03	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	O 1 TM 4/8
Not Used	DTM04	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 Refer to 004050 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
Not Used	DTM05	1250	Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format Refer to 004050 Data Element Dictionary for acceptable code values.	O 1 ID 2/3
Not Used	DTM06	1251	Date Time Period Expression of a date, a time, or range of dates, times or dates and times	O 1 AN 1/35

Segment: **QTY** Quantity Information
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	Quantity Qualifier Code specifying the type of quantity AT&T valid codes: 7D Range Maximum 7E Range Minimum B3 Requested Amount	M 1 ID 2/2
	QTY02	380	Quantity Numeric value of quantity If QTY01 QTY02 7D QTY-OUT-TER: Quantity Out Terminals 7E QTY-IN-TER: Quantity In Terminals B3 QR: Quantity of Numbers Requested B3 NUMBER-REQUESTED: Number of Spares Requested	X 1 R 1/15
	QTY03	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	O 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 which a measurement has been taken AT&T valid code: EA Each	M ID 2/2
Not Used	C00102	1018	Exponent Power to which a unit is raised	O R 1/15
Not Used	C00103	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00104	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004050 Data Element Dictionary for acceptable code values.	O ID 2/2
Not Used	C00105	1018	Exponent Power to which a unit is raised	O R 1/15
Not Used	C00106	649	Multiplier	O R 1/10

Not Used	C00107	355	Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004050 Data Element Dictionary for acceptable code values.	O	ID 2/2
Not Used	C00108	1018	Exponent Power to which a unit is raised	O	R 1/15
Not Used	C00109	649	Multiplier Value to be used as a multiplier to obtain a new value	O	R 1/10
Not Used	C00110	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004050 Data Element Dictionary for acceptable code values.	O	ID 2/2
Not Used	C00111	1018	Exponent Power to which a unit is raised	O	R 1/15
Not Used	C00112	649	Multiplier Value to be used as a multiplier to obtain a new value	O	R 1/10
Not Used	C00113	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004050 Data Element Dictionary for acceptable code values.	O	ID 2/2
Not Used	C00114	1018	Exponent Power to which a unit is raised	O	R 1/15
Not Used	C00115	649	Multiplier Value to be used as a multiplier to obtain a new value	O	R 1/10
Not Used	QTY04	61	Free-Form Message Free-form information	O	1 AN 1/30

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification AT&T valid code: H7 Standard Clause Retained	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 AT&T valid code: LOC Location Instructions	X 1 AN 1/50
	N903	369	Free-form Description Free-form descriptive text If N901 N902 N903 H7 LOC AAI	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 (00-59), 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	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 Refer to 004050 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
Not Used	N907	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O 1

Not Used	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004050 Data Element Dictionary for acceptable code values.	M	ID 2/3
Not Used	C04002	127	Reference Identification 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	Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004050 Data Element Dictionary for acceptable code values.	O	ID 2/3
Not Used	C04004	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O	AN 1/50
Not Used	C04005	128	Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004050 Data Element Dictionary for acceptable code values.	O	ID 2/3
Not Used	C04006	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O	AN 1/50

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

Ref.	Data			Attributes								
<u>Des.</u>	<u>Element</u>	<u>Name</u>										
Not Used	MTX01	363	Note Reference Code Code identifying the functional area or purpose for which the note applies Refer to 004050 Data Element Dictionary for acceptable code values.	O 1 ID 3/3								
	MTX02	1551	Textual Data To transmit large volumes of message text	X 1 AN 1/4096								
			If <table border="1"> <tr> <td>N901</td> <td>N902</td> <td>N903</td> <td>MTX02</td> </tr> <tr> <td>H7</td> <td>LOC</td> <td>AAI</td> <td>AAI: Additional Address Information</td> </tr> </table>	N901	N902	N903	MTX02	H7	LOC	AAI	AAI: Additional Address Information	
N901	N902	N903	MTX02									
H7	LOC	AAI	AAI: Additional Address Information									
Not Used	MTX03	1551	Textual Data To transmit large volumes of message text	O 1 AN 1/4096								
Not Used	MTX04	934	Printer Carriage Control Code A field to be used for the control of the line feed of the receiving printer Refer to 004050 Data Element Dictionary for acceptable code values.	O 1 ID 2/2								
Not Used	MTX05	1470	Number A generic number	O 1 N0 1/9								
Not Used	MTX06	819	Language Code Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)	O 1 ID 2/3								

Segment: **N1** Party Identification
Position: 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 AT&T valid codes: 78 Service Requester IT Installation on Site SE Selling Party	M 1 ID 2/3
	N102	93 Name Free-form name If N101 N102 78 CCNA: Customer Carrier Name Abbreviation IT NONE SE LSP-AUTHNAME: LSP Authorization Name NONE None. TCIF phrase code used when there is no value for N102 or N103/N104 to make a correct segment	X 1 AN 1/60
	N103	66 Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 41 Telecommunications Carrier Identification Code	X 1 ID 1/2
	N104	67 Identification Code Code identifying a party or other code If N101 N103 N104 SE 41 LSP-AUTH: LSP Authorization Number	X 1 AN 2/80
Not Used	N105	706 Entity Relationship Code Code describing entity relationship Refer to 004050 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
Not Used	N106	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual Refer to 004050 Data Element Dictionary for acceptable code values.	O 1 ID 2/3

Segment: **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 If N101 N102 N402 IT NONE STATE: State IT NONE SAST: State	O 1 ID 2/2
	N403	116 Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States) If N101 N102 N403 IT NONE ZIP: Zip Code IT NONE SAZC: Zip Code	O 1 ID 3/15
Not Used	N404	26 Country Code Code identifying the country	O 1 ID 2/3
Not Used	N405	309 Location Qualifier Code identifying type of location Refer to 004050 Data Element Dictionary for acceptable code values.	O 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	O 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

Must Use	Ref. Des.	Data Element	Name	Attributes
	NX201	1106	Address Component Qualifier Code qualifying the type of address component AT&T valid codes:	M 1 ID 2/2
			01 Street Number	
			02 Street Name	
			03 Prefix Direction	
			05 P.O. Box Number	
			06 Rural Route Number	
			07 City Name	
			12 Building Name	
			13 Apartment Number	
			14 Suite Number	
			24 State or Province Abbreviation	
			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	
Must Use	NX202	166	Address Information Address information If	M 1 AN 1/55
			N101 N102 NX201 NX202	
			IT 01 SANO: Service Address House Number	
			IT 02 SASN: Service Address Street Name	
			IT 03 SASD: Service Address Street Directional	
			IT NONE 05 BOX: Service Address Box	
			IT NONE 06 ROUTE: Service Address Route	
			IT NONE 07 SALOC: Svc. Address Locality	

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")

IT		07	CITY: CITY
IT		12	LV1: Location Value 1 (AT&T will map "BLDG" to LD1: Location Designator 1)
IT		13	LV3: Location Value 3 (AT&T will map "APT" to LD3: Location Designator 3)
IT		14	LV3: Location Value 3 (AT&T will map "SUIT" to LD3: Location Designator 3)
IT	NONE	24	XBOUND-STATE: Community Cross Boundary State
IT		30	LV1: Location Value 1 (AT&T will map "PIER" to LD1: Location Designator 1)
IT		31	LV1: Location Value 1 (AT&T will map "WNG" to LD1: Location Designator 1)
IT		32	LV2: Location Value 2 (AT&T will map "FLR" to LD2: Location Designator 2)
IT		34	LV3: Location Value 3 (AT&T will map "LOT" to LD3: Location Designator 3)
IT		35	LV3: Location Value 3 (AT&T will map "RM" to LD3: Location Designator 3)
IT		36	LV3: Location Value 3 (AT&T will map "SLIP" to LD3: Location Designator 3)
IT		37	LV3: Location Value 3 (AT&T will map "UNIT" to LD3: Location Designator 3)
IT		40	SASS: Service Address Street Suffix
IT		61	SASF: Service Address House Number Suffix
IT		62	SATH: Service Address Thoroughfare

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

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:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	SLN01	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	M 1 AN 1/20
	SLN02	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	O 1 AN 1/20
Must Use	SLN03	662	Relationship Code Code indicating the relationship between entities	M 1 ID 1/1
	AT&T valid codes:			
			A Add	
			D Delete	
			I Included	
Not Used	SLN04	380	Quantity Numeric value of quantity	O 1 R 1/15
Not Used	SLN05	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	O 1

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

Not Used	SLN09	235	Refer to 004050 Data Element Dictionary for acceptable code values. Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004050 Data Element Dictionary for acceptable code values.	O	1	ID 2/2
Not Used	SLN10	234	Product/Service ID Identifying number for a product or service	O	1	AN 1/48
Not Used	SLN11	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004050 Data Element Dictionary for acceptable code values.	O	1	ID 2/2
Not Used	SLN12	234	Product/Service ID Identifying number for a product or service	O	1	AN 1/48
Not Used	SLN13	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004050 Data Element Dictionary for acceptable code values.	O	1	ID 2/2
Not Used	SLN14	234	Product/Service ID Identifying number for a product or service	O	1	AN 1/48
Not Used	SLN15	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004050 Data Element Dictionary for acceptable code values.	O	1	ID 2/2
Not Used	SLN16	234	Product/Service ID Identifying number for a product or service	O	1	AN 1/48
Not Used	SLN17	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004050 Data Element Dictionary for acceptable code values.	O	1	ID 2/2
Not Used	SLN18	234	Product/Service ID Identifying number for a product or service	O	1	AN 1/48
Not Used	SLN19	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004050 Data Element Dictionary for acceptable code values.	O	1	ID 2/2
Not Used	SLN20	234	Product/Service ID Identifying number for a product or service	O	1	AN 1/48
Not Used	SLN21	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004050 Data Element Dictionary for acceptable code values.	O	1	ID 2/2
Not Used	SLN22	234	Product/Service ID Identifying number for a product or service	O	1	AN 1/48
Not Used	SLN23	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004050 Data Element Dictionary for acceptable code values.	O	1	ID 2/2
Not Used	SLN24	234	Product/Service ID Identifying number for a product or service	O	1	AN 1/48
Not Used	SLN25	235	Product/Service ID Qualifier	O	1	ID 2/2

			Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004050 Data Element Dictionary for acceptable code values.		
Not Used	SLN26	234	Product/Service ID Identifying number for a product or service	O	1 AN 1/48
Not Used	SLN27	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004050 Data Element Dictionary for acceptable code values.	O	1 ID 2/2
Not Used	SLN28	234	Product/Service ID Identifying number for a product or service	O	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	Agency Qualifier Code Code identifying the agency assigning the code values AT&T valid code: TI Telecommunications Industry	M 1 ID 2/2
Must Use	SI02	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics AT&T valid codes: BI Assignable Binding Post CT Segment Number FD Feature Detail K2 Cable Identifier K6 Pair Identifier RQ Requested Telephone Number SA Service Activity Code SC Service Category Code TN Telephone Number WT Working Telephone Number	M 1 AN 2/3
Must Use	SI03	234	Product/Service ID Identifying number for a product or service If DE1000 DE234 BI ABP: Assignable Binding Post CT SNUM: Segment Number FD PRE-FEATURE DETAIL: Feature Detail K2 CA: Cable Identifier K6 CHAN/PAIR: Pair Identifier RQ REQNUM-IN: Requested Telephone Number RQ TELEPHONE-NUMBER-LIST: Telephone Number	M 1 AN 1/48

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")

		SA	FA: Feature Activity		
		SC	FEATURE: Feature Codes		
		TN	TNS: Telephone Numbers		
		WT	WTN: Working Telephone Number		
SI04	1000		Service Characteristics Qualifier	X	1 AN 2/3
			Code from an industry code list qualifying the type of service characteristics		
			See SI02 for the list of valid codes.		
SI05	234		Product/Service ID	X	1 AN 1/48
			Identifying number for a product or service		
SI06	1000		Service Characteristics Qualifier	X	1 AN 2/3
			Code from an industry code list qualifying the type of service characteristics		
			See SI02 for the list of valid codes.		
SI07	234		Product/Service ID	X	1 AN 1/48
			Identifying number for a product or service		
SI08	1000		Service Characteristics Qualifier	X	1 AN 2/3
			Code from an industry code list qualifying the type of service characteristics		
			See SI02 for the list of valid codes.		
SI09	234		Product/Service ID	X	1 AN 1/48
			Identifying number for a product or service		
SI10	1000		Service Characteristics Qualifier	X	1 AN 2/3
			Code from an industry code list qualifying the type of service characteristics		
			See SI02 for the list of valid codes.		
SI11	234		Product/Service ID	X	1 AN 1/48
			Identifying number for a product or service		
SI12	1000		Service Characteristics Qualifier	X	1 AN 2/3
			Code from an industry code list qualifying the type of service characteristics		
			See SI02 for the list of valid codes.		
SI13	234		Product/Service ID	X	1 AN 1/48
			Identifying number for a product or service		
SI14	1000		Service Characteristics Qualifier	X	1 AN 2/3
			Code from an industry code list qualifying the type of service characteristics		
			See SI02 for the list of valid codes.		
SI15	234		Product/Service ID	X	1 AN 1/48
			Identifying number for a product or service		
SI16	1000		Service Characteristics Qualifier	X	1 AN 2/3
			Code from an industry code list qualifying the type of service characteristics		
			See SI02 for the list of valid codes.		
SI17	234		Product/Service ID	X	1 AN 1/48
			Identifying number for a product or service		
SI18	1000		Service Characteristics Qualifier	X	1 AN 2/3
			Code from an industry code list qualifying the type of service characteristics		
			See SI02 for the list of valid codes.		
SI19	234		Product/Service ID	X	1 AN 1/48
			Identifying number for a product or service		
SI20	1000		Service Characteristics Qualifier	X	1 AN 2/3
			Code from an industry code list qualifying the type of service characteristics		

		See SI02 for the list of valid codes.		
SI21	234	Product/Service ID	X	1 AN 1/48
		Identifying number for a product or service		

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>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	CTT01	354	Number of Line Items Total number of line items in the transaction set	M 1 N0 1/6
	CTT02	347	Hash Total 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	Weight Numeric value of weight	O 1 R 1/10
Not Used	CTT04	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004050 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
Not Used	CTT05	183	Volume Value of volumetric measure	O 1 R 1/8
Not Used	CTT06	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004050 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
Not Used	CTT07	352	Description 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. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M 1 N0 1/10
Must Use	SE02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set 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