

855 Purchase Order Acknowledgment

Functional Group ID=**PR**

Introduction:

This X12 Transaction Set contains the format and establishes the data contents of the Purchase Order Acknowledgment Transaction Set (855) 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 a seller's acknowledgment of a buyer's purchase order. This transaction set can also be used as notification of a vendor generated order. This usage advises a buyer that a vendor has or will ship merchandise as prearranged in their partnership.

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	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1		
Not Used	0400	CUR	Currency	O	1		
	0500	REF	Reference Information	O	>1		
	0600	PER	Administrative Communications Contact	O	3		
Not Used	0700	TAX	Tax Reference	O	>1		
Not Used	0800	FOB	F.O.B. Related Instructions	O	>1		
Not Used	0900	CTP	Pricing Information	O	>1		
Not Used	0950	PAM	Period Amount	O	10		
Not Used	1100	CSH	Sales Requirements	O	1		
LOOP ID - SAC						25	
Not Used	1200	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
Not Used	1250	CUR	Currency	O	1		
Not Used	1300	ITD	Terms of Sale/Deferred Terms of Sale	O	5		
Not Used	1400	DIS	Discount Detail	O	20		
Not Used	1450	INC	Installment Information	O	1		

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	1500	DTM	Date/Time Reference	O	10	
Not Used	1600	LDT	Lead Time	O	12	
Not Used	1800	LIN	Item Identification	O	5	n1
	1850	SI	Service Characteristic Identification	O	>1	
	1900	PID	Product/Item Description	O	200	
Not Used	2000	MEA	Measurements	O	40	
Not Used	2100	PWK	Paperwork	O	25	
Not Used	2200	PKG	Marking, Packaging, Loading	O	25	
Not Used	2300	TD1	Carrier Details (Quantity and Weight)	O	2	
Not Used	2400	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	2500	TD3	Carrier Details (Equipment)	O	12	
Not Used	2600	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
Not Used	2700	MAN	Marks and Numbers	O	10	
Not Used	2750	TXI	Tax Information	O	>1	
Not Used	2770	CTB	Restrictions/Conditions	O	>1	
LOOP ID - N9					1000	
	2800	N9	Extended Reference Information	O	1	
Not Used	2850	DTM	Date/Time Reference	O	>1	
	2900	MTX	Text	O	>1	
Not Used	2950	PWK	Paperwork	O	>1	
Not Used	2980	EFI	Electronic Format Identification	O	>1	
LOOP ID - N1					200	
	3000	N1	Party Identification	O	1	
Not Used	3100	N2	Additional Name Information	O	2	
Not Used	3150	IN2	Individual Name Structure Components	O	>1	
Not Used	3200	N3	Party Location	O	2	
Not Used	3300	N4	Geographic Location	O	1	
Not Used	3350	NX2	Location ID Component	O	>1	
Not Used	3400	REF	Reference Information	O	12	
	3500	PER	Administrative Communications Contact	O	>1	
Not Used	3550	SI	Service Characteristic Identification	O	>1	
Not Used	3600	FOB	F.O.B. Related Instructions	O	1	
Not Used	3700	TD1	Carrier Details (Quantity and Weight)	O	2	
Not Used	3800	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	3900	TD3	Carrier Details (Equipment)	O	12	
Not Used	4000	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
Not Used	4100	PKG	Marking, Packaging, Loading	O	25	
Not Used	4200	MTX	Text	O	>1	
LOOP ID - ADV					>1	
Not Used	4300	ADV	Advertising Demographic Information	O	1	
Not Used	4400	DTM	Date/Time Reference	O	>1	
Not Used	4500	MTX	Text	O	>1	

Detail:

Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
LOOP ID - PO1					10000	
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	0300	PO3	Additional Item Detail	O	25	
Not Used	0400	CTP	Pricing Information	O	>1	
Not Used	0450	PAM	Period Amount	O	10	
Not Used	0490	MEA	Measurements	O	40	
LOOP ID - PID					1000	
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 Information	O	>1	
Not Used	1100	PER	Administrative Communications Contact	O	3	
LOOP ID - SAC					25	
Not Used	1300	SAC	Service, Promotion, Allowance, or Charge Information	O	1	
Not Used	1350	CUR	Currency	O	1	
Not Used	1400	IT8	Conditions of Sale	O	1	
Not Used	1420	CSH	Sales Requirements	O	>1	
Not Used	1500	ITD	Terms of Sale/Deferred Terms of Sale	O	2	
Not Used	1600	DIS	Discount Detail	O	20	
Not Used	1650	INC	Installment Information	O	1	
Not Used	1700	TAX	Tax Reference	O	>1	
Not Used	1800	FOB	F.O.B. Related Instructions	O	>1	
Not Used	1900	SDQ	Destination Quantity	O	500	
Not Used	2000	DTM	Date/Time Reference	O	10	
Not Used	2100	LDT	Lead Time	O	12	
Not Used	2300	TD1	Carrier Details (Quantity and Weight)	O	1	
Not Used	2400	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	2500	TD3	Carrier Details (Equipment)	O	12	
Not Used	2600	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
LOOP ID - ACK					104	
Not Used	2700	ACK	Line Item Acknowledgment	O	1	
Not Used	2800	DTM	Date/Time Reference	O	1	
Not Used	2900	MAN	Marks and Numbers	O	10	
Not Used	2930	AMT	Monetary Amount Information	O	1	n3
Not Used	2950	CTB	Restrictions/Conditions	O	>1	
Not Used	2960	TXI	Tax Information	O	>1	

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LOOP ID - QTY			>1		
	3000	QTY	Quantity Information	O	1
Not Used	3020	SI	Service Characteristic Identification	O	>1
LOOP ID - PKG			200		
Not Used	3030	PKG	Marking, Packaging, Loading	O	1
Not Used	3050	MEA	Measurements	O	>1
LOOP ID - SCH			200		
Not Used	3100	SCH	Line Item Schedule	O	1 n4
Not Used	3150	TD1	Carrier Details (Quantity and Weight)	O	2
Not Used	3200	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
Not Used	3300	TD3	Carrier Details (Equipment)	O	12
Not Used	3400	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
Not Used	3450	REF	Reference Information	O	>1
LOOP ID - N9			1000		
	3500	N9	Extended Reference Information	O	1
Not Used	3550	DTM	Date/Time Reference	O	>1
	3600	MTX	Text	O	>1
Not Used	3650	PWK	Paperwork	O	>1
Not Used	3680	EF1	Electronic Format Identification	O	>1
LOOP ID - N1			200		
	3700	N1	Party Identification	O	1
	3800	N2	Additional Name Information	O	2
Not Used	3850	IN2	Individual Name Structure Components	O	>1
	3900	N3	Party Location	O	2
Not Used	4000	N4	Geographic Location	O	1
Not Used	4050	NX2	Location ID Component	O	>1
Not Used	4100	REF	Reference Information	O	12
Not Used	4200	PER	Administrative Communications Contact	O	3
Not Used	4250	SI	Service Characteristic Identification	O	>1
Not Used	4260	DTM	Date/Time Reference	O	1
Not Used	4300	FOB	F.O.B. Related Instructions	O	1
Not Used	4350	SCH	Line Item Schedule	O	200
Not Used	4400	TD1	Carrier Details (Quantity and Weight)	O	2
Not Used	4500	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
Not Used	4600	TD3	Carrier Details (Equipment)	O	12
Not Used	4700	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
Not Used	4750	QTY	Quantity Information	O	>1
Not Used	4800	PKG	Marking, Packaging, Loading	O	25
LOOP ID - SLN			1000		
	4900	SLN	Subline Item Detail	O	1
Not Used	4950	MTX	Text	O	>1
	5000	SI	Service Characteristic Identification	O	>1

Not Used	5100	PID	Product/Item Description	O	1000
Not Used	5200	PO3	Additional Item Detail	O	25
Not Used	5210	MEA	Measurements	O	>1
Not Used	5220	CTP	Pricing Information	O	25
Not Used	5230	PAM	Period Amount	O	10
Not Used	5300	ACK	Line Item Acknowledgment	O	104
LOOP ID - SAC					10
Not Used	5400	SAC	Service, Promotion, Allowance, or Charge Information	O	1
Not Used	5450	CUR	Currency	O	1
Not Used	5500	DTM	Date/Time Reference	O	10
Not Used	5540	PO4	Item Physical Details	O	1
Not Used	5570	TAX	Tax Reference	O	3
Not Used	5580	ADV	Advertising Demographic Information	O	>1
LOOP ID - QTY					>1
Not Used	5590	QTY	Quantity Information	O	1
Not Used	5610	SI	Service Characteristic Identification	O	>1
LOOP ID - N9					>1
	5630	N9	Extended Reference Information	O	1
Not Used	5640	DTM	Date/Time Reference	O	>1
Not Used	5650	MTX	Text	O	>1
LOOP ID - N1					10
Not Used	5760	N1	Party Identification	O	1
Not Used	5780	N2	Additional Name Information	O	2
Not Used	5790	IN2	Individual Name Structure Components	O	>1
Not Used	5800	N3	Party Location	O	2
Not Used	5900	N4	Geographic Location	O	1
Not Used	6000	NX2	Location ID Component	O	>1
Not Used	6100	REF	Reference Information	O	12
Not Used	6200	PER	Administrative Communications Contact	O	3
Not Used	6250	SI	Service Characteristic Identification	O	>1

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		n5
Not Used	0200	AMT	Monetary Amount Information	O	1		n6
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. If AMT is used in the detail area, then AMT01 will = 1 and AMT02 will indicate total line amount as calculated by the sender.
4. 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.
5. 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.
6. 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. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 855 Purchase Order Acknowledgment	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 the 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: **BAK** **Beginning Segment for Purchase Order Acknowledgment**
Position: 0200
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of the Purchase Order Acknowledgment Transaction Set and transmit identifying numbers and dates

Syntax Notes:

- Semantic Notes:**
- 1 BAK04 is the date assigned by the purchaser to purchase order.
 - 2 BAK08 is the seller's order number.
 - 3 BAK09 is the date assigned by the sender to the acknowledgment.

Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	BAK01	353	Transaction Set Purpose Code Code identifying purpose of transaction set TRANS-SET-PURPOSE-CODE	M 1 ID 2/2
			06 Confirmation	
			08 Status	
			21 Transaction on Hold	
			44 Rejection	
Must Use	BAK02	587	Acknowledgment Type Code specifying the type of acknowledgment TRAN-ACK-TYPE	M 1 ID 2/2
			If	
			BAK01 BAK02	
			06 AT = Accepted FOC	
			06 AH = Clarification (860 Required)	
			06 RD = Reject (850 Required)	
			08 NA = Status (No Action Required)	
			21 AC = Jeopardy (New Desired Due Date Req'd)	
			44 RN = Rejection--missing or invalid EDI-required data (850 required)	
Must Use	BAK03	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser PON: Purchase Order Number	M 1 AN 1/22
Must Use	BAK04	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year EDI system date	M 1 DT 8/8
Not Used	BAK05	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
Not Used	BAK06	326	Request Reference Number Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number)	O 1 AN 1/45

Not Used	BAK07	367	Contract Number Contract number	O	1	AN 1/30
Not Used	BAK08	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O	1	AN 1/50
Not Used	BAK09	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	O	1	DT 8/8
Not Used	BAK10	640	Transaction Type Code Code specifying the type of transaction Refer to 004050 Data Element Dictionary for acceptable code values.	O	1	ID 2/2

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

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification AT&T valid codes: 11 Account Number 12 Billing Account 2I Tracking Number 4N Special Payment Reference Number 7U Related Transaction Reference Number IX Item Number OW Service Order Number V0 Version	M 1 ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier If REF01 REF03 REF02 11 AAN AAN: Associated Account Number 11 AN AN: Account Number 11 ATN ATN: Account Telephone No. 11 EAN EAN: Existing Account Number 11 EATN EATN: Existing Account Telephone No. 11 NAN NAN: New Account Number 11 NATN NATN: New Account Telephone No. 12 BAN1 BAN1: Billing Account Number 1 12 BAN2 BAN2: Billing Account Number 2 2I LSR NO LSR NO: Local Service Request Number 4N BI1 BI1: Billing Account Number ID 1 4N BI2 BI2: Billing Account Number ID 2 7U NOR: Number of Requests IX RESID RESID: Response Identifier OW ORD ORD: Service Order Number OW BOPI BOPI: Bulk Order Package Identifier V0 BULKVER BULK VER: Bulk Version	X 1 AN 1/50
	REF03	352	Description A free-form description to clarify the related data elements and their content	X 1 AN 1/80

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

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

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

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named AT&T valid codes: OC Order Contact	M 1 ID 2/2
	PER02	93	Name Free-form name If PER01 PER02 OC REP: Provider Contact Representative	O 1 AN 1/60
	PER03	365	Communication Number Qualifier Code identifying the type of communication number AT&T valid code: TE Telephone	O 1 ID 2/2
	PER04	364	Communication Number Complete communications number including country or area code when applicable If PER01 PER DE365 PER DE364 OC TE REP-TELNO: Provider Contact Rep Tele. No.	O 1 AN 1/256
Not Used	PER05	365	Communication Number Qualifier Code identifying the type of communication number	O 1 ID 2/2
Not Used	PER06	364	Communication Number Complete communications number including country or area code when applicable	O 1 AN 1/256
Not Used	PER07	365	Communication Number Qualifier Code identifying the type of communication number Refer to 004050 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
Not Used	PER08	364	Communication Number Complete communications number including country or area code when applicable	O 1 AN 1/256
Not Used	PER09	443	Contact Inquiry Reference Additional reference number or description to clarify a contact number	O 1 AN 1/20

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	Date/Time Qualifier Code specifying type of date or time, or both date and time AT&T valid codes: 007 Effective 097 Transaction Creation 150 Service Period Start 992 Date Requested	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 007 EBD: Effective Bill Date 097 D/TSENT: Date Sent 150 DD/CD: Due Date	X 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)	X 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	O 1 ID 2/2
	DTM05	1250	Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format AT&T valid code: RTM Range of Time Expressed in Format HHMM-HHMM TM Time Expressed in Format HHMM	X 1 ID 2/3
	DTM06	1251	Date Time Period Expression of a date, a time, or range of dates, times or dates and times If DTM01 DTM05 DTM06	X 1 AN 1/35

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992 TM/RTM FDT: Frame Due Time

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

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

Semantic Notes:
Comments:

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

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SI01	559	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: IB ISDN Basic Rate Interface (BRI) Type IX Inside Wire Billing Account Number	M 1 AN 2/3
Must Use	SI03	234	Product/Service ID Identifying number for a product or service If SI DE1000 SI DE234 IB IBT: ISDN BRI Type IX IWBAN: Inside Wire Billing Account Number	M 1 AN 1/48
Not Used	SI04	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	X 1 AN 2/3
Not Used	SI05	234	Product/Service ID Identifying number for a product or service	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
Not Used	SI10	1000	Service Characteristics Qualifier	X 1 AN 2/3

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			Code from an industry code list qualifying the type of service characteristics			
Not Used	SI11	234	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:	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:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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

Ref. Des.	Data Element	Name	Attributes
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	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
	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	X 1 AN 1/12
Not Used	PID05	352 Description A free-form description to clarify the related data elements and their content	X 1 AN 1/80
Not Used	PID06	752 Surface/Layer/Position Code Code indicating the product surface, layer or position that is being described	O 1 ID 2/2
	PID07	822 Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier SO-RSQ Service Order - Reseller Question	O 1 AN 1/15

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

Data Element Summary				
	Ref. Des.	Data Element	Name	Attributes
Must Use	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification AT&T valid codes: 1Q Error Identification Code L1 Letters or Notes Non-retained Remarks SH Sender Defined Clause	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 If N901 N902 1Q ERROR-CODE: Error Code L1 ORI SH STATUS CODE: Status Code	X 1 AN 1/50
	N903	369	Free-form Description Free-form descriptive text If N901 N902 N903 L1 ORI LR	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)	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

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	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	X	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.	X	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	X	AN 1/50

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

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Not Used	MTX01	363	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 If N901 N902 MTX02 SH STATUS-CODE: Code STATUS-MSG: Status Message 1Q ERROR-CODE: Code ERROR-MSG: Error Message If N901 N902 N903 MTX02 L1 ORI LR REMARKS: FOC/CN Remarks	X 1 AN 1/4096
Not Used	MTX03	1551	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.	X 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: 3000
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:
 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments:
 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 2 N105 and N106 further define the type of entity in N101.

Data Element Summary

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

individual

Refer to 004050 Data Element Dictionary for acceptable code values.

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

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

Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named AT&T valid codes: AG Agent EG Engineering	M 1 ID 2/2
	PER02	93	Name Free-form name If N101 PER01 PER02 78 AG INIT: Initiator Identification	O 1 AN 1/60
	PER03	365	Communication Number Qualifier Code identifying the type of communication number AT&T valid code: TE Telephone	X 1 ID 2/2
	PER04	364	Communication Number Complete communications number including country or area code when applicable If PER01 PER03 PER04 AG TE INIT-TELNO: Initiator Telephone No. EG TE DSGCON-TEL NO: Design/Engrg. Tele. No.	X 1 AN 1/256
Not Used	PER05	365	Communication Number Qualifier Code identifying the type of communication number	X 1 ID 2/2
Not Used	PER06	364	Communication Number Complete communications number including country or area code when applicable	X 1 AN 1/256
Not Used	PER07	365	Communication Number Qualifier Code identifying the type of communication number Refer to 004050 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
Not Used	PER08	364	Communication Number Complete communications number including country or area code when applicable	X 1 AN 1/256
Not Used	PER09	443	Contact Inquiry Reference Additional reference number or description to clarify a contact number	O 1 AN 1/20

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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:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
	PO101	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	O 1 AN 1/20
Not Used	PO102	380	Quantity Numeric value of quantity	X 1 R 1/15
Not Used	PO103	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	O 1 ID 2/2
Not Used	PO104	212	Unit Price Price per unit of product, service, commodity, etc.	X 1 R 1/17
Not Used	PO105	639	Basis of Unit Price Code Code identifying the type of unit price for an item	O 1 ID 2/2
Not Used	PO106	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X 1 ID 2/2
Not Used	PO107	234	Product/Service ID Identifying number for a product or service	X 1 AN 1/48
Not Used	PO108	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.	X 1 ID 2/2
Not Used	PO109	234	Product/Service ID Identifying number for a product or service	X 1 AN 1/48

Not Used	PO110	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.	X	1 ID 2/2
Not Used	PO111	234	Product/Service ID Identifying number for a product or service	X	1 AN 1/48
Not Used	PO112	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.	X	1 ID 2/2
Not Used	PO113	234	Product/Service ID Identifying number for a product or service	X	1 AN 1/48
Not Used	PO114	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.	X	1 ID 2/2
Not Used	PO115	234	Product/Service ID Identifying number for a product or service	X	1 AN 1/48
Not Used	PO116	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.	X	1 ID 2/2
Not Used	PO117	234	Product/Service ID Identifying number for a product or service	X	1 AN 1/48
Not Used	PO118	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.	X	1 ID 2/2
Not Used	PO119	234	Product/Service ID Identifying number for a product or service	X	1 AN 1/48
Not Used	PO120	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.	X	1 ID 2/2
Not Used	PO121	234	Product/Service ID Identifying number for a product or service	X	1 AN 1/48
Not Used	PO122	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.	X	1 ID 2/2
Not Used	PO123	234	Product/Service ID Identifying number for a product or service	X	1 AN 1/48
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.	X	1 ID 2/2
Not Used	PO125	234	Product/Service ID Identifying number for a product or service	X	1 AN 1/48

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

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

Semantic Notes:
Comments:

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

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: AM Main/Alternate Telephone Number AN Subscriber Access Telephone Number AU Personal Identifier BR Directory Listings Type of Account CM Local Service Provider's Circuit Number CN Circuit Number Identification Code CU Channel Pair Identifier DD Digits Out DG Degree of Indent HG Hunt Group IT Ported Telephone Number K1 System ID K2 Cable Identification K3 Shelf K4 Slot K5 Relay Rack K6 Channel/Pair K9 Cable Identification 2	M 1 AN 2/3

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

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

Identifying number for a product or service

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

		TH	TGN: Trunk Group Number		
		TK	TKID: Trunk ID		
		TN	TNS: Telephone Numbers		
		TQ	TLI: Telephone Line Identifier or		
		TQ	LTLI: Lead Telephone Line Identifier		
		TW	STYC: Style Code		
		TZ	NOTYP: Number Type		
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 valid list of codes.			
SI05	234	Product/Service ID		X	1 AN 1/48
		Identifying number for a product or service			
		See SI03 for valid list of entries.			
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 valid list of codes.			
SI07	234	Product/Service ID		X	1 AN 1/48
		Identifying number for a product or service			
		See SI03 for valid list of entries.			
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 valid list of codes.			
SI09	234	Product/Service ID		X	1 AN 1/48
		Identifying number for a product or service			
		See SI03 for valid list of entries.			
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 valid list of codes.			
SI11	234	Product/Service ID		X	1 AN 1/48
		Identifying number for a product or service			
		See SI03 for valid list of entries.			
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 valid list of codes.			
SI13	234	Product/Service ID		X	1 AN 1/48
		Identifying number for a product or service			
		See SI03 for valid list of entries.			
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 valid list of codes.			
SI15	234	Product/Service ID		X	1 AN 1/48
		Identifying number for a product or service			
		See SI03 for valid list of entries.			
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 valid list of codes.			
SI17	234	Product/Service ID		X	1 AN 1/48

		Identifying number for a product or service See SI03 for valid list of entries.			
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 valid list of codes.			
SI19	234	Product/Service ID	X	1	AN 1/48
		Identifying number for a product or service See SI03 for valid list of entries.			
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 valid list of codes.			
SI21	234	Product/Service ID	X	1	AN 1/48
		Identifying number for a product or service See SI03 for valid list of 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:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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

Ref. Des.	Data Element	Name	Attributes
Must Use	PID01	349 Item Description Type Code indicating the format of a description AT&T valid code: 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	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
	PID04	751 Product Description Code A code from an industry code list which provides specific data about a product characteristic AT&T valid codes: CFA Connecting Facility Assignment SCFA Secondary Connecting Facility Assignment	X 1 AN 1/12
	PID05	352 Description A free-form description to clarify the related data elements and their content If PID04 PID05 CFA CFA: Connecting Facility Assignment SCFA SCFA: Secondary Connecting Facility Assignment	X 1 AN 1/80
Not Used	PID06	752 Surface/Layer/Position Code	O 1 ID 2/2

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Not Used	PID07	822	Code indicating the product surface, layer or position that is being described Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier	O	1	AN 1/15
Not Used	PID08	1073	Yes/No Condition or Response Code Code indicating a Yes or No condition or response	O	1	ID 1/1
Not Used	PID09	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: **REF** Reference Information
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

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

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	X	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.	X	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	X	AN 1/50

Segment: **QTY** **Quantity Information**
Position: 3000
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: 1 At least one of QTY02 or QTY04 is required.
 2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: 1 QTY04 is used when the quantity is non-numeric.
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	QTY01	673	Quantity Qualifier Code specifying the type of quantity AT&T valid code: FJ Trunked Channels	M 1 ID 2/2
	QTY02	380	Quantity Numeric value of quantity If QTY01 QTY02 FJ TKQ: Trunk Quantity	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 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	QTY04	61	Free-Form Message Free-form information	X	1 AN 1/30

Segment: **N9** **Extended Reference Information**
Position: 3500
Loop: N9 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes: 1 At least one of N902 or N903 is required.
 2 If N906 is present, then N905 is required.
 3 If either C04003 or C04004 is present, then the other is required.
 4 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: 1 N906 reflects the time zone which the time reflects.
 2 N907 contains data relating to the value cited in N902.
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification AT&T valid codes: 82 Data Item Description (DID) Reference	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 If N901 N902 82 LTXTY or WPP	X 1 AN 1/50
	N903	369	Free-form Description Free-form descriptive text If N901 N902 N903 82 LTXTY LTXTY: Listing Text Type	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)	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
	N907	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O 1
Must Use	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3

		AT&T valid code:			
		55	Sequence Number		
Must Use	C04002	127	Reference Identification	M	AN 1/50
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			If		
			N901 N902 N907 N907 (C040:1) (C040:2)		
			82 LTTY 55 LTXNUM: Line of Text Reference No.		
Not Used	C04003	128	Reference Identification Qualifier	X	ID 2/3
			Code qualifying the Reference Identification		
			Refer to 004050 Data Element Dictionary for acceptable code values.		
Not Used	C04004	127	Reference Identification	X	AN 1/50
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	C04005	128	Reference Identification Qualifier	X	ID 2/3
			Code qualifying the Reference Identification		
			Refer to 004050 Data Element Dictionary for acceptable code values.		
Not Used	C04006	127	Reference Identification	X	AN 1/50
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

Segment: **MTX** Text
Position: 3600
Loop: N9 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify textual data
Syntax Notes: 1 If MTX01 is present, then MTX02 is required.
 2 If MTX03 is present, then MTX02 is required.
 3 If MTX05 is present, then MTX04 is required.
Semantic Notes: 1 MTX05 is the number of lines to advance before printing.
Comments: 1 If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Not Used	MTX01	363	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 If N901 N902 N903 MTX02 82 WPP WPP: White Page Products 82 LTXTY LTXTY value LPHRASE: Listing Phrase * 82 LTXTY LTXTY value LTEXT: Line of Text ** * LPHRASE passed when LTXTY N903 value = "TT or "OP" **LTEXT passed when LTXTY N903 value not = "TT" or "OP"	X 1 AN 1/4096
Not Used	MTX03	1551	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.	X 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: 3700
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:
 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments:
 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 2 N105 and N106 further define the type of entity in N101.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
Must Use	N101	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual AT&T valid code: DH Doing Business As	M 1 ID 2/3
	N102	93 Name Free-form name If N101 N102 DH LISTNM: Listed Name	X 1 AN 1/60
	N103	66 Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) AT&T valid code: 12 Telephone Number (Phone)	X 1 ID 1/2
	N104	67 Identification Code Code identifying a party or other code If N101 N103 N104 DH 12 LTN: Listed Telephone Number (see also PO1/SI segment)	X 1 AN 2/80
Not Used	N105	706 Entity Relationship Code Code describing entity relationship Refer to 004050 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
Not Used	N106	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual Refer to 004050 Data Element Dictionary for acceptable code values.	O 1 ID 2/3

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

Data Element Summary

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

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

Data Element Summary

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

Segment:	SLN Subline Item Detail
Position:	4900
Loop:	SLN Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify product subline detail item data
Syntax Notes:	<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

Ref.	Data	Attributes
Des.	Element Name	
Must Use	SLN01 350 Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	M 1 AN 1/20
Not Used	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	X 1 R 1/15
Not Used	SLN05 C001 Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples)	X 1

Not Used	C00101	355	of use) Unit or Basis for Measurement Code	M	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	C00102	1018	Exponent	O	R 1/15
			Power to which a unit is raised		
Not Used	C00103	649	Multiplier	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	C00104	355	Unit or Basis for Measurement Code	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004050 Data Element Dictionary for acceptable code values.		
Not Used	C00105	1018	Exponent	O	R 1/15
			Power to which a unit is raised		
Not Used	C00106	649	Multiplier	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	C00107	355	Unit or Basis for Measurement Code	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	C00108	1018	Exponent	O	R 1/15
			Power to which a unit is raised		
Not Used	C00109	649	Multiplier	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	C00110	355	Unit or Basis for Measurement Code	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004050 Data Element Dictionary for acceptable code values.		
Not Used	C00111	1018	Exponent	O	R 1/15
			Power to which a unit is raised		
Not Used	C00112	649	Multiplier	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	C00113	355	Unit or Basis for Measurement Code	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004050 Data Element Dictionary for acceptable code values.		
Not Used	C00114	1018	Exponent	O	R 1/15
			Power to which a unit is raised		
Not Used	C00115	649	Multiplier	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	SLN06	212	Unit Price	X	1 R 1/17
			Price per unit of product, service, commodity, etc.		
Not Used	SLN07	639	Basis of Unit Price Code	O	1 ID 2/2
			Code identifying the type of unit price for an item		
Not Used	SLN08	662	Relationship Code	O	1 ID 1/1
			Code indicating the relationship between entities		
Not Used	SLN09	235	Product/Service ID Qualifier	X	1 ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		

Not Used	SLN10	234	Product/Service ID Identifying number for a product or service	X	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.	X	1	ID 2/2
Not Used	SLN12	234	Product/Service ID Identifying number for a product or service	X	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.	X	1	ID 2/2
Not Used	SLN14	234	Product/Service ID Identifying number for a product or service	X	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.	X	1	ID 2/2
Not Used	SLN16	234	Product/Service ID Identifying number for a product or service	X	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.	X	1	ID 2/2
Not Used	SLN18	234	Product/Service ID Identifying number for a product or service	X	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.	X	1	ID 2/2
Not Used	SLN20	234	Product/Service ID Identifying number for a product or service	X	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.	X	1	ID 2/2
Not Used	SLN22	234	Product/Service ID Identifying number for a product or service	X	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.	X	1	ID 2/2
Not Used	SLN24	234	Product/Service ID Identifying number for a product or service	X	1	AN 1/48
Not Used	SLN25	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.	X	1	ID 2/2
Not Used	SLN26	234	Product/Service ID Identifying number for a product or service	X	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.	X	1 ID 2/2
Not Used	SLN28	234	Product/Service ID Identifying number for a product or service	X	1 AN 1/48

Segment: **SI Service Characteristic Identification**
Position: 5000
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify service characteristic data
Syntax Notes:

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

Semantic Notes:
Comments:

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

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SI01	559	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: HT Hunting Telephone Number	M 1 AN 2/3
Must Use	SI03	234	Product/Service ID Identifying number for a product or service If SI02 SI03 HT HTN: Hunting Telephone Number	M 1 AN 1/48
Not Used	SI04	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	X 1 AN 2/3
Not Used	SI05	234	Product/Service ID Identifying number for a product or service	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
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: **N9** **Extended Reference Information**
Position: 5630
Loop: N9 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:
 1 At least one of N902 or N903 is required.
 2 If N906 is present, then N905 is required.
 3 If either C04003 or C04004 is present, then the other is required.
 4 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
 1 N906 reflects the time zone which the time reflects.
 2 N907 contains data relating to the value cited in N902.
Comments:

Data Element Summary				
	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification AT&T valid code: 55 Sequence Number	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 If N901 N903 N902 55 HTSEQ HTSEQ: Hunting Sequence	X 1 AN 1/50
	N903	369	Free-form Description Free-form descriptive text If N901 N903 55 HTSEQ	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)	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 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	M ID 2/3

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

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

Segment: **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	Number of Line Items Total number of line items in the transaction set	M 1 N0 1/6
Not Used	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	X 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	X 1 ID 2/2
Not Used	CTT05	183	Volume Value of volumetric measure	X 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	X 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.</u> <u>Des.</u>	<u>Data</u> <u>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 the same data element in ST02 in the Transaction Set Header (ST)	M 1 AN 4/9