

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		
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		
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	
	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	
Not Used	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	
Not Used	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	

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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	
	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	
	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	
	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	

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Not Used	2960	TXI	Tax Information	0	>1	
			LOOP ID - QTY	>1		
	3000	QTY	Quantity Information	0	1	
Not Used	3020	SI	Service Characteristic Identification	0	>1	
			LOOP ID - PKG	200		
Not Used	3030	PKG	Marking, Packaging, Loading	0	1	
Not Used	3050	MEA	Measurements	0	>1	
			LOOP ID - SCH	200		
Not Used	3100	SCH	Line Item Schedule	0	1	n4
Not Used	3150	TD1	Carrier Details (Quantity and Weight)	0	2	
Not Used	3200	TD5	Carrier Details (Routing Sequence/Transit Time)	0	12	
Not Used	3300	TD3	Carrier Details (Equipment)	0	12	
Not Used	3400	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	0	5	
Not Used	3450	REF	Reference Information	0	>1	
			LOOP ID - N9	1000		
	3500	N9	Extended Reference Information	0	1	
Not Used	3550	DTM	Date/Time Reference	0	>1	
	3600	MTX	Text	0	>1	
Not Used	3650	PWK	Paperwork	0	>1	
Not Used	3680	EFI	Electronic Format Identification	0	>1	
			LOOP ID - N1	200		
	3700	N1	Party Identification	0	1	
	3800	N2	Additional Name Information	0	2	
	3850	IN2	Individual Name Structure Components	0	>1	
	3900	N3	Party Location	0	2	
	4000	N4	Geographic Location	0	1	
	4050	NX2	Location ID Component	0	>1	
Not Used	4100	REF	Reference Information	0	12	
Not Used	4200	PER	Administrative Communications Contact	0	3	
Not Used	4250	SI	Service Characteristic Identification	0	>1	
Not Used	4260	DTM	Date/Time Reference	0	1	
Not Used	4300	FOB	F.O.B. Related Instructions	0	1	
Not Used	4350	SCH	Line Item Schedule	0	200	
Not Used	4400	TD1	Carrier Details (Quantity and Weight)	0	2	
Not Used	4500	TD5	Carrier Details (Routing Sequence/Transit Time)	0	12	
Not Used	4600	TD3	Carrier Details (Equipment)	0	12	
Not Used	4700	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	0	5	
Not Used	4750	QTY	Quantity Information	0	>1	
Not Used	4800	PKG	Marking, Packaging, Loading	0	25	
			LOOP ID - SLN	1000		
	4900	SLN	Subline Item Detail	0	1	
Not Used	4950	MTX	Text	0	>1	

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	5000	SI	Service Characteristic Identification	O	>1
	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
	5500	DTM	Date/Time Reference	O	10
	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
	5590	QTY	Quantity Information	O	1
	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
	5650	MTX	Text	O	>1
LOOP ID - N1					10
	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
	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.

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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.</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 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 AT&T valid codes: 11 Response 44 Rejection	M 1 ID 2/2
Must Use	BAK02	587	Acknowledgment Type Code specifying the type of acknowledgment AT&T valid EDI usage: If BAK01 BAK02 11 AT = Accepted 44 RN = Rejection-Invalid EDI or Missing EDI-required data Refer to 004050 Data Element Dictionary for acceptable code values.	M 1 ID 2/2
Must Use	BAK03	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser TXNUM: Transaction 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

	Ref.	Data	Data Element Summary		Attributes
			Element	Name	
Must Use	REF01	128	Reference Identification Qualifier		M 1 ID 2/3
			Code qualifying the Reference Identification		
			PN Permit 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 REF02		
			PN ORDN: Ordinance Number		
	REF03	352	Description		X 1 AN 1/80
			A free-form description to clarify the related data elements and their content		
	REF04	C040	Reference Identifier		O 1
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier		
Must Use	C04001	128	Reference Identification Qualifier		M ID 2/3
			Code qualifying the Reference Identification		
			Refer to 004050 Data Element Dictionary for acceptable code values.		
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		
	C04003	128	Reference Identification Qualifier		O ID 2/3
			Code qualifying the Reference Identification		
			Refer to 004050 Data Element Dictionary for acceptable code values.		
	C04004	127	Reference Identification		O AN 1/50
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
	C04005	128	Reference Identification Qualifier		O ID 2/3
			Code qualifying the Reference Identification		
			Refer to 004050 Data Element Dictionary for acceptable code values.		
	C04006	127	Reference Identification		O AN 1/50
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

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: 090 Report Start 091 Report End 097 Transaction Creation	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 097 CD/TSENT: Confirmation Sent Date 097 DT-SENT: Date Sent	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) 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: IQ Transaction Type IR Transaction Activity LZ Freeze Local Service Provider [LSP] QC Transaction Classification	M 1 AN 2/3
Must Use	SI03	234	Product/Service ID Identifying number for a product or service If SI DE1000 SI DE234 IQ TXTYP: Transaction Type IR TXACT: Transaction Activity LZ LSCP: Local Service Provider Change Prohibited QC TXCLS: Transaction Classification	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 valid list of codes.	X 1 AN 2/3
	SI05	234	Product/Service ID Identifying number for a product or service	X 1 AN 1/48
	SI06	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics See SI02 for the valid list of codes.	X 1 AN 2/3

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	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	O	1	AN 2/3
Not Used	SI09	234	Product/Service ID Identifying number for a product or service	O	1	AN 1/48
Not Used	SI10	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	O	1	AN 2/3
Not Used	SI11	234	Product/Service ID Identifying number for a product or service	O	1	AN 1/48
Not Used	SI12	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	O	1	AN 2/3
Not Used	SI13	234	Product/Service ID Identifying number for a product or service	O	1	AN 1/48
Not Used	SI14	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	O	1	AN 2/3
Not Used	SI15	234	Product/Service ID Identifying number for a product or service	O	1	AN 1/48
Not Used	SI16	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	O	1	AN 2/3
Not Used	SI17	234	Product/Service ID Identifying number for a product or service	O	1	AN 1/48
Not Used	SI18	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	O	1	AN 2/3
Not Used	SI19	234	Product/Service ID Identifying number for a product or service	O	1	AN 1/48
Not Used	SI20	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	O	1	AN 2/3
Not Used	SI21	234	Product/Service ID Identifying number for a product or service	O	1	AN 1/48

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 code: 1Q Error Identification Code	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 1Q PRESPC MSG-ID: Provider Specific Error Identification Code 1Q ERR ERR-ID: Error Code	X 1 AN 1/50
	N903	369 Free-form Description Free-form descriptive text If N901 N903 1Q PRESPC 1Q ERR	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	O 1

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Not Used	C04001	128	To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier 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: 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.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</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
Must Use	MTX02	1551	Textual Data To transmit large volumes of message text If N901 N903 MTX02 1Q PRESPC MSG-TEXT: Message Text 1Q ERR ERR-TXT: Error Text	M 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.	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: 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)	M 1 ID 2/3
	N102	93 Name Free-form name If N101 N102 78 CCNA: Customer Carrier Name Abbreviation	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 BY Buying Party (Purchaser)	O 1 ID 2/3

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

Position: 0100

Loop: PO1 Optional

Level: Detail

Usage: Optional

Max Use: 1

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

Syntax Notes:

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

Semantic Notes:

- 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		
Not Used	PO102	Quantity	X	1 R 1/15
		Numeric value of quantity		
Not Used	PO103	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		
Not Used	PO104	Unit Price	O	1 R 1/17
		Price per unit of product, service, commodity, etc.		
Not Used	PO105	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	Product/Service ID Qualifier	X	1 ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		SH Service Requested		
	PO107	Product/Service ID	X	1 AN 1/48
		Identifying number for a product or service		
		If		
		DE235 DE234		
		SH RTY: Record Type		
	PO108	Product/Service ID Qualifier	O	1 ID 2/2

			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
			LS Load Sequence			
	PO109	234	Product/Service ID Identifying number for a product or service	O	1	AN 1/48
			If DE235 DE234 LS SO: Sequence Override			
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.	O	1	ID 2/2
Not Used	PO111	234	Product/Service ID Identifying number for a product or service	O	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.	O	1	ID 2/2
Not Used	PO113	234	Product/Service ID Identifying number for a product or service	O	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.	O	1	ID 2/2
Not Used	PO115	234	Product/Service ID Identifying number for a product or service	O	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.	O	1	ID 2/2
Not Used	PO117	234	Product/Service ID Identifying number for a product or service	O	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.	O	1	ID 2/2
Not Used	PO119	234	Product/Service ID Identifying number for a product or service	O	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.	O	1	ID 2/2
Not Used	PO121	234	Product/Service ID Identifying number for a product or service	O	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.	O	1	ID 2/2
Not Used	PO123	234	Product/Service ID Identifying number for a product or service	O	1	AN 1/48
Not Used	PO124	235	Product/Service ID Qualifier	O	1	ID 2/2

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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	PO125	234	Product/Service ID	O	1	AN 1/48
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Identifying number for a product or service

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.</u> <u>Des.</u>	<u>Data</u> <u>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:	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	M 1 AN 2/3
			AN Access Number	
			BO Bus/Res Placement Override	
			BR Type of Account	
			BT Basic Service Type	
			C3 Header Telephone Number	
			C5 Sequence Telephone Number	
			CN Exchange Company Service ID	
			DD Dialing Plan	
			DF Directory Subsection	
			DG Degree of Indent	
			DN Directory Name	
			DU Directory Caption Header Status	
			FB Assembled Facility Status	
			FE Central Office Feature Availability	
			FQ Tarrif Status	
			FZ Freeze PIC Indicator	
			HG Hunt Group Identification	
			HY Hunt Type	
			IB ISDN Basic Rate Interface BRI Type	

LE	Listing Type
LN	Listing Telephone Number
LO	Local Service Termination
LS	Local Serving Office - LSO
NS	Non Standard Telephone Number
OE	Status Data
OP	Available Facilities Indicator
PE	Type of Pulsing
S3	Status of Service Order
SB	Switch Type
SY	Start Signaling
T5	Terminal Number
TK	Trunk Identifier
TQ	Telephone Line Identifier
TR	Tariff Exchange Code
TW	Style Code
TY	Type of Service
W1	Telephone Number Status
W2	Assigned House Number Status
WT	Working Telephone Number
XT	Area Transfer New CLLI Code

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

If	
DE1000	DE234
AN	SA AN: Access Number
BO	BRO: Bus/Res Placement Override
BR	TOA: Type of Account
BT	CS: Basic Service Type
C3	SHTN: SLU Header Telephone Number
C5	FATN: File After Telephone Number
CN	ECCKT: Exchange Company Circuit ID
DD	DO: Digits Out
DF	DIRSUB: Directory Subsection
DG	DOI: Degree of Indent
DN	DIRNAME: Directory Name
DU	HS: Header Status
FB	LPSTAT: Status of Assembled Facility
FE	COFA: Central Office Feature Availability
FQ	TARIFF-STATUS: Tariff Status
FZ	FPI: Freeze PIC Indicator
HG	HID: Hunt Group Identification
HY	HNTYP: Hunt Type
IB	ISDN-IND: ISDN Indicator
LE	LTYP: Listing Type
LN	LTN: Listed Telephone Number
LO	LST: Local Service Termination
LS	AREA-TRANS-NPANXX: Area Transfer NPANXX
LS	BST-NPA-NXX: NXX
LS	LSO: Local Service Office
NS	NSTN: Non Standard Telephone Number
OE	STATUS-DATA: Status Data
OP	FACAVAIL: Available Facilities Indicator

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		PE	PULSE: Type of Pulsing			
		S3	PROCESSING-STATUS: Status of Service Order			
		SB	SWITCH-TYPE: Switch Type			
		SY	SSIG: Start Signaling			
		T5	TERS: Terminal Number(s)			
		TK	TKID: Trunk Identifier			
		TQ	TLI: Telephone Line Identifier or			
		TQ	LTLI: Lead Telephone Line Identifier			
		TR	TARIFF-EXCHANGE-CODE: Tariff Exchange Code			
		TY	TOS: Type of Service			
		TW	STYC: Style Code			
		W1	ADDR-STATUS: Address Telephone Number Status			
		W2	AHN-STATUS: Assigned House Number Status			
		WT	WTN: Working Telephone Number			
		XT	AREA TRANSFER WC CLLI: Area Transfer New CLLI Code			
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 valid list of 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 valid list of codes.				
SI07	234	Product/Service ID		X	1	AN 1/48
		Identifying number for a product or service				
SI08	1000	Service Characteristics Qualifier		O	1	AN 2/3
		Code from an industry code list qualifying the type of service characteristics				
		See SI02 for the valid list of codes.				
SI09	234	Product/Service ID		O	1	AN 1/48
		Identifying number for a product or service				
SI10	1000	Service Characteristics Qualifier		O	1	AN 2/3
		Code from an industry code list qualifying the type of service characteristics				
		See SI02 for the valid list of codes.				
SI11	234	Product/Service ID		O	1	AN 1/48
		Identifying number for a product or service				
SI12	1000	Service Characteristics Qualifier		O	1	AN 2/3
		Code from an industry code list qualifying the type of service characteristics				
		See SI02 for the valid list of codes.				
SI13	234	Product/Service ID		O	1	AN 1/48
		Identifying number for a product or service				
SI14	1000	Service Characteristics Qualifier		O	1	AN 2/3
		Code from an industry code list qualifying the type of service characteristics				
		See SI02 for the valid list of codes.				
SI15	234	Product/Service ID		O	1	AN 1/48
		Identifying number for a product or service				
SI16	1000	Service Characteristics Qualifier		O	1	AN 2/3
		Code from an industry code list qualifying the type of service characteristics				
		See SI02 for the valid list of codes.				
SI17	234	Product/Service ID		O	1	AN 1/48

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

Segment: **PAM** Period Amount

Position: 0450

Loop: PO1 Optional

Level: Detail

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

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
PAM01	673	Quantity Qualifier	X 1 ID 2/2
		Code specifying the type of quantity	
		1A Original Duration (in calendar units)	
		1B Current Duration (in calendar units)	
		1G Lead Time (in calendar units)	
		1K Time Units	
		2A Commitment Period	
		2Q Installed Capacity	
		5B Anticipated Length of Service	
		5C Approval/Offer Duration	
		7K Time Frame	
		9A Time Expended	
		9E Active Maintenance Time	
		9H Estimated Duration	
		DN Default Notification Response Period	
		T2 Time Units Spent on Duty	
PAM02	380	Quantity	X 1 R 1/15
		Numeric value of quantity	
		If	
		PAM01 PAM02	
		1A NEWINST3: Interval to Add 3 New Lines	
		1B NEWINST4: Interval to Add 4 New Lines	

1G	RES-IW: Interval for Residential unregulated, inside wire, other
1K	REINST-3: Interval for Re-Install of 3 or more Lines
2A	NEWINST1-2: Interval for Residential New Install with 1 or 2 Lines
2Q	PV-REINST: Interval for Residential Re-Install with PV
5B	BUS-IW: Interval for business unregulated inside wire
5C	NEWINST5: Interval to Add 5 New Lines
7K	PV-REINST-BUS: Interval for Business ReInstall with PV
9A	NEWINST6-10: Interval to Add 6-10 New Lines
9E	QUICK-SERVICE: Interval for Quick Service
9H	NEWINST-1-2-BUS: Interval for Business New Install with 1 or 2 Lines
DN	ADDLINE: Interval to Add 1 New Line
T2	NEWINST11-15: Interval to Add 11-15 New Lines

	PAM03	C001	Composite Unit of Measure	O	1
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
Must Use	C00101	355	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		
			DA Days		
	C00102	1018	Exponent	O	R 1/15
			Power to which a unit is raised		
	C00103	649	Multiplier	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
	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.		
	C00105	1018	Exponent	O	R 1/15
			Power to which a unit is raised		
	C00106	649	Multiplier	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
	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		
			Refer to 004050 Data Element Dictionary for acceptable code values.		
	C00108	1018	Exponent	O	R 1/15
			Power to which a unit is raised		
	C00109	649	Multiplier	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
	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.		
	C00111	1018	Exponent	O	R 1/15
			Power to which a unit is raised		
	C00112	649	Multiplier	O	R 1/10

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			Value to be used as a multiplier to obtain a new value		
	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
	C00114	1018	Exponent Power to which a unit is raised	O	R 1/15
	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 the calendar year	O	1 DT 8/8
Not Used	PAM09	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	PAM10	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	PAM11	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	O	1 DT 8/8
Not Used	PAM12	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	PAM13	1004	Percent Qualifier Code to qualify percent Refer to 004050 Data Element Dictionary for acceptable code values.	O	1 ID 1/2
Not Used	PAM14	954	Percentage as Decimal Percentage expressed as a decimal (e.g., 0.0 through 1.0 represents 0% through 100%)	O	1 R 1/10
Not Used	PAM15	1073	Yes/No Condition or Response Code Code indicating a Yes or No condition or response Refer to 004050 Data Element Dictionary for acceptable code values.	O	1 ID 1/1

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
	PID04	751	Product Description Code A code from an industry code list which provides specific data about a product characteristic AT&T valid codes: 800SVC 800 Serving Office AC Dispatch Required ARRANGEIND Street Range Odd/Even Indicator AS Listed Name Placement AT Address Indicator	X 1 AN 1/12

AW	Direct Mail List
AZ	Dual Name Listing
CO	Pending Service Order
COFRI1	CO Availability Friday
COMON1	CO Availability Monday
COSAT1	CO Availability Saturday
COSUN1	CO Availability Sunday
COTHU1	CO Availability Thursday
COTUE1	CO Availability Tuesday
COWED1	CO Availability Wednesday
CZ	Carrier Zone
DC	Independent Company Indicator
DD	Unnumbered House Indicator
DF	Quick Serve Indicator
FEATDES	Feature Title
HIER	Hierarchy
PVFRI1	PV Availability Friday
PVMON1	PV Availability Monday
PVSAT1	PV Availability Saturday
PVSUN1	PV Availability Sunday
PVTHU1	PV Availability Thursday
PVTUE1	PV Availability Tuesday
PWED1	PV Availability Wednesday
RTF	Receive/Transmit Indicator
RZ	Resistance Zone
SSC	Single Subscriber Carrier Indicator
WATSSVC	WATS Serving Office

PID05 352 Description X 1 AN 1/80

A free-form description to clarify the related data elements and their content

If		
PID01	PID04	PID05
X	ARRANGEIND	ODD-EVEN-IND: Street Range odd/even Indicator
X	COMON1	CO-MON1: CO Availability Monday
X	COTUE1	CO-TUE1: CO Availability Tuesday
X	COWED1	CO-WED1: CO Availability Wednesday
X	COTHU1	CO-THU1: CO Availability Thursday
X	COFRI1	CO-FRI1: CO Availability Friday
X	COSAT1	CO-SAT1: CO Availability Saturday
X	COSUN1	CO-SUN1: CO Availability Sunday
X	CZ	CZ: Carrier Zone
X	FEATDES	FEATURE-TITLE: Feature Title
X	HIER	HIER: Hierarchy
X	CO	PSO: Pending Service Order
X	PVMON1	PV-MON1: PV Availability Monday
X	PVTUE1	PV-TUE1: PV Availability Tuesday
X	PWED1	PV-WED1: PV Availability Wednesday
X	PVTHU1	PV-THU1: PV Availability Thursday
X	PVFRI1	PV-FRI1: PV Availability Friday
X	PVSAT1	PV-SAT1: PV Availability Saturday

			X	PVSUN1	PV-SUN1: PV Availability Sunday			
			X	RTF	RTF: Receive/Transmit Indicator			
			X	RZ	RZ: Resistance Zone			
			X	SSC	SSC: Single Subscriber Carrier Indicator			
			X	WATSSVC	WATS-SERV-OFF: WATS Serving Office			
			X	800SVC	800-SERV-OFF: 800 Serving Office			
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		
			X	AC	SO-RSQ	PV-INDICATOR: Premise Visit Indicator		
			S	AS	SO-RSQ	LNPL: Listed Name Placement		
			S	AT	SO-RSQ	ADI: Address Indicator		
			S	AZ	SO-RSQ	DLNM: Dual Name Listing		
			S	AW	SO-RSQ	DML: Direct Mail List		
			X	DC	SO-RSQ	ICO-IND: Independent Company Indicator		
			X	DF	SO-RSQ	QUICK-SERV-IND: Quick Serve 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 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.	Data			Attributes	
	Des.	Element	Name			
	REF01	128	Reference Identification Qualifier		M	1 ID 2/3
			Code qualifying the Reference Identification			
			AT&T valid codes:			
			11	Account Number		
			12	Billing Account		
			CR	Customer Reference Number		
			IJ	Standard Industry Classification (SIC) Code		
			IX	Item Number		
			LI	Line Item Identifier (Seller's)		
			OZ	Product Number		
			PO	Purchase Order Number		
			V0	Version		
	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	
			12	BAN1	LMU-BAN1: Billing Account Number	
			CR		CONFIRM-NUM: Confirmation Number	
			IJ		SIC: Standard Industry Classification	
			IX	RESID	RESID: Response Identifier	
			LI		ALI: Alpha/Numeric Listing Identifier Code	
			OZ		PRODUCT-ID: Product Identification	
			PO		PON: Purchase Order Number	
			V0	PONVER	VER: Version Identification	
	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 or ATN		
			12	BAN1		
			IX	RESID		
			OZ	PRODUCT-NAME	Product Identification	

		V0 PONVER	
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 O ID 2/3 Code qualifying the Reference Identification Refer to 004050 Data Element Dictionary for acceptable code values.
Not Used	C04004	127	Reference Identification O 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 O ID 2/3 Code qualifying the Reference Identification Refer to 004050 Data Element Dictionary for acceptable code values.
Not Used	C04006	127	Reference Identification O AN 1/50 Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Segment: **DTM** Date/Time Reference
Position: 2000
Loop: PO1 Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:
 1 At least one of DTM02 DTM03 or DTM05 is required.
 2 If DTM04 is present, then DTM03 is required.
 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 007 Effective 018 Available 139 Estimated 141 Assigned 152 Effective Date of Change	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 007 TARIFF-EFF-DT: Tariff Effective Date 018 EFF-DT: Features Effective Date 139 DUE-DATE: Estimated Service Date 139 EST-SERVICE-DATE: Estimated Service Date 141 AREA-TRANS-CUT-DT: Area Transfer Cut Date 152 AREA-TRANS-NUM-CHGDT: Area Transfer Number Change 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)	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: 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. 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: 87 Quantity Received B3 Requested Amount FJ Trunked Channels	M 1 ID 2/2
Must Use	QTY02	380	Quantity Numeric value of quantity If QTY01 QTY02 FJ TKQ: Trunk Quantity 87 QTY-PROVIDED: Quantity Provided 87 DID-QTY-PROVIDED: Quantity Provided 87 NUMBER-RESERVED: Number of Spares Reserved B3 NUMBER-REQUESTED: Number Provided	M 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

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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: 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

Ref. Des.	Data Element	Name	Attributes
Must Use N901	128	Reference Identification Qualifier Code qualifying the Reference Identification AT&T valid codes: 82 Data Item Description (DID) Reference H7 Standard Clause RAA Restricted Availability Authorization	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 RAA TEXT-CODE: Service Restriction Text Code 82 FAINFO 82 PLA 82 SVCINSTR 82 TARIFFNOTE 82 WPP 82 YPH H7 BILLTRANS H7 COMPACT H7 LOC H7 PORTOUT H7 RELACCT H7 SVCEQUIP H7 UNPRIDENT H7 UNPRRMK H7 UPRSBILL H7 UPRSDIR H7 UPRSLIST H7 UPRSTRFC	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: 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

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
Must Use	MTX02	1551	Textual Data To transmit large volumes of message text	M 1 AN 1/4096
If N901 N902 MTX02 82 FAINFO FAINFO: File After Information 82 PLA PLA: Place Listing As 82 SVCINSTR SERVICE-INSTRUC-TEXT: Service Instruction Text 82 TARIFFNOTE TARIFF-NOTES: Tariff Notes 82 WPP WPP: White Page Products 82 YPH YPH: Yellow Page Handling Code RAA TEXT: Service Restriction Text If N901 N902 N903 MTX02 H7 LOC AAI AAI: Additional Address Information Unparsed Data Blocks H7 BILLTRANS Billing Transfer H7 COMPACT Competitive Activity Section H7 PORTOUT Ported Line Section H7 RELACCT Related Account H7 SVCEQUIP Service and Equipment H7 UNPRIDENT Identification H7 UNPRRMK Remarks Section H7 UPRSBILL Billing Section H7 UPRSDIR Directory H7 UPRSLIST Listing H7 UPRSTRFC Traffic Section				
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	O 1 N0 1/9

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Not Used	MTX06	819	A generic number 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
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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 8V Primary Intra-LATA (Local Access Transport Area) Carrier DA Delivery Address DH Doing Business As IT Installation on Site P9 Primary Interexchange Carrier (PIC)	M 1 ID 2/3
	N102	93 Name Free-form name If N101 N102 DA NAME: Name DH NONE IT NAME: Name IT NONE 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 92 Assigned by Buyer or Buyer's Agent	X 1 ID 1/2
	N104	67 Identification Code Code identifying a party or other code If N101 N103 N104 P9 41 PIC: InterLATA Presubscription Indicator Code 8V 41 LPIC: IntraLATA Presubscription Indicator Code	X 1 AN 2/80
Not Used	N105	706 Entity Relationship Code Code describing entity relationship	O 1 ID 2/2

Not Used	N106	98	Entity Identifier Code	O	1	ID 2/3
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Refer to 004050 Data Element Dictionary for acceptable code values.
Code identifying an organizational entity, a physical location, property or an individual
Refer to 004050 Data Element Dictionary for acceptable code values.

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:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>		
	<u>Des.</u>	<u>Element</u>				
Must Use	N201	93	Name Free-form name	M	1	AN 1/60
	N202	93	Name Free-form name	O	1	AN 1/60

Segment: **IN2** Individual Name Structure Components
Position: 3850
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To sequence individual name components for maximum specificity
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

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

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: Drive Instructions - Two occurrences of the N3 segment may be required to pass this field.

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 IT DRIVE-INSTRUCTIONS: Directions to identify or locate an unnumbered address	
	N302	166	Address Information Address information	O 1 AN 1/55
			If N101 N302 IT DRIVE-INSTRUCTIONS: Directions to identify or locate an unnumbered address	

Segment: **N4 Geographic Location**
Position: 4000
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

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
N401	19	City Name Free-form text for city name	O 1 AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	X 1 ID 2/2
<pre> If N101 N402 IT STATE: State/Province DA STATE: State/Province If N101 N102 N402 DH NONE LAST: Listing Address State/Province </pre>			
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O 1 ID 3/15
<pre> If N101 N403 IT ZIP: Zip Code DA ZIP: Zip Postal Code If N101 N102 N403 IT NONE ZIP: Zip Postal Code </pre>			
N404	26	Country Code Code identifying the country	O 1 ID 2/3
N405	309	Location Qualifier Code identifying type of location ZN Zone Code	X 1 ID 1/2
N406	310	Location Identifier Code which identifies a specific location	O 1 AN 1/30
<pre> If N101 N405 N406 IT ZN RATE-ZONE: Rate Zone </pre>			
Not Used	N407	1715 Country Subdivision Code	O 1 ID 1/3

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Code identifying the country subdivision

Segment: **NX2** Location ID Component
Position: 4050
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To define types and values of a geographic location
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Must Use	NX201	1106	Address Component Qualifier	M 1 ID 2/2
			Code qualifying the type of address component	
			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	
			59 Street Number Low	
			60 Street Number High	
			61 Street Number Fraction	
			62 Street Name Suffix	
Must Use	NX202	166	Address Information	M 1 AN 1/55
			Address information	
			If	
			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		07	CITY: CITY
IT	NONE	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		59	HOUSE-NUM-LOW: House Number Low
IT		60	HOUSE-NUM-HI: House Number High
IT		61	SASF: Service Address House Number Suffix
IT		62	SATH: Service Address Thoroughfare
If			
N101 NX201 NX202			
DA	01	DDANO: Delivery Address House Number	
DA	02	DDASN: Delivery Address Street Name	
DA	03	DDASD: Delivery Address Street Directional Prefix	
DA	07	CITY: City	
DA	40	DDASS: Delivery Address Street Directional Suffix	
DA	59	DDAPR: Delivery Address House Prefix	
DA	61	DDASF: Delivery Address House Number Suffix	
DA	62	DDATH: Delivery Address Street Thoroughfare	
DH	01	LANO: Listing Address House Number	
DH	02	LASN: Listing Address Street Name	
DH	03	LASD: Listing Address Street Directional Prefix	
DH	07	LALOC: Listing Address Locality	
DH	40	LASS: Listing Address Street Suffix	
DH	59	LAPR: Listing Address Prefix	
DH	61	LASF: Listing Address House Number Suffix	

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")

Not Used	NX203	1096	DH 62 LATH: Listing Address Street Thoroughfare	O 1 ID 5/5
			County Designator	
			Code identifying the county within a state	

Segment: **SLN** Subline Item Detail

Position: 4900

Loop: SLN Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify product subline detail item data

Syntax Notes:

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

Semantic Notes:

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

Comments:

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

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>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
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	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 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	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

			Refer to 004050 Data Element Dictionary for acceptable code values.		
	SLN09	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:		
			LS Load Sequence		
	SLN10	234	Product/Service ID	O	1 AN 1/48
			Identifying number for a product or service		
			If		
			DE235 DE234		
			LS PLSO: Prior Level Sequence Override		
Not Used	SLN11	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	SLN12	234	Product/Service ID	O	1 AN 1/48
			Identifying number for a product or service		
Not Used	SLN13	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	SLN14	234	Product/Service ID	O	1 AN 1/48
			Identifying number for a product or service		
Not Used	SLN15	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	SLN16	234	Product/Service ID	O	1 AN 1/48
			Identifying number for a product or service		
Not Used	SLN17	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	SLN18	234	Product/Service ID	O	1 AN 1/48
			Identifying number for a product or service		
Not Used	SLN19	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	SLN20	234	Product/Service ID	O	1 AN 1/48
			Identifying number for a product or service		
Not Used	SLN21	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	SLN22	234	Product/Service ID	O	1 AN 1/48
			Identifying number for a product or service		
Not Used	SLN23	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	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 Code identifying the type/source of the descriptive number used in Product/Service ID (234)	O	1 ID 2/2
			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)	O	1 ID 2/2
			Refer to 004050 Data Element Dictionary for acceptable code values.		
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: 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.</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	M 1 AN 2/3
			BF Bridge Tap Offset	
			BI Assignable Binding Post	
			C3 Header Telephone Number	
			C5 Sequence Telephone Number	
			CL Directory ID Type	
			CT Segment Number	
			CY TYCA Type of Cable	
			DG Degree of Indent	
			DU Directory Caption Header Status	
			FD Feature Detail - USOC	
			HT Multi-Hunt Number	
			IC CLLI	
			K2 Cable Identifier	
			K6 Pair Identifier	
			L9 Line Term Status	
			LK Loop Makeup Status	
			LO Local Exchange Carrier Serving Office	
			LS Resale Local Service Termination	
			MR Transmission Media Type	

OG	Remote Loop Origination Equipment
OU	Optical Network Unit Type
PE	Type of Pulsing
RI	Route Index Number - DID
RV	Reserved Telephone Number
SC	Service Category Code
SG	Hunt Group Number
SY	Start Signaling
T5	TERS: Terminal Identifier
T9	DID Range
TB	Block
TH	Trunk Group Identifier
TK	DID Trunk ID
TN	Telephone Numbers
TQ	MLH Lead Telephone Number
TY	Type of Service Offering
TZ	Number Type
YE	Elevation Type Pattern
YS	Structure Type Pattern
YU	Unit Type Pattern

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

Identifying number for a product or service

If	
DE1000	DE234
BI	ABP: Assignable Binding Post
BF	BTOFF: Bridge Tap Offset
C3	PLTN: Prior Level Telephone Number
C5	PLFATN: Prior Level File After Telephone Number
CT	SNUM: Segment Number
CL	DIRTYP: Directory ID Type
CY	TYCA: Type of Cable
DG	LVL: Level of Indent
DU	PLS: Prior Level Status
FD	USOC: Universal Service Offering Code
FD	FEATURE-DETAIL: Feature Detail
HT	HTN: Hunting Telephone Number
IC	CLLI: CLLI
K2	CA: Cable ID
K6	CHAN/PR: Channel/Pai
L9	LTS: Line Term Status
LK	LMSTAT_IN: Loop Makeup Status
LO	LC: Remote Term CLLI Code
LO	LST: Local Service Termination
LS	LSO: Local Service Office
MR	TRMED: Transmission Media Type
OG	RLOE: Remote Loop Origination Equipment
OU	ONUTYPE: Optical Network Unit Type
PE	PULSE: Type of Pulsing
RI	RIN: Route Index Number
RV	REQNUM-IN: Telephone Number
SC	FEATURE: Feature Code
SC	EXT-FEATURE-NAME: Extended Feature Name
SG	HUNT-GRP-NUM1: Hunt Group Number 1

SG	HUNT-GRP-NUM2: Hunt Group Number 2
SY	SSIG: Start Signalling
TB	BLOCK: Block
TH	TGN: Trunk Group Identifier
TN	TNS: Telephone Number
TQ	MLGH-LEAD-TN1: Multi-Hunt Lead Telephone Number
TQ	MLGH-LEAD-TN2: Multi-Hunt Lead Telephone Number 2
TY	TOSOFG: Type of Service Offering
TZ	NOTYP: Number Type
T5	TEA: Terminal Number
YE	ELEV-TYPEPAT1: Elevation Pattern (Floor)
YS	STRUCT-TYPEPAT1: Structure Pattern (Bldg)
YU	UNIT-TYPEPAT1: Unit Pattern (Room)

SI04	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	X	1	AN 2/3
SI05	234	Product/Service ID Identifying number for a product or service	X	1	AN 1/48
SI06	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	X	1	AN 2/3
SI07	234	Product/Service ID Identifying number for a product or service	X	1	AN 1/48
SI08	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	O	1	AN 2/3
SI09	234	Product/Service ID Identifying number for a product or service	O	1	AN 1/48
SI10	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	O	1	AN 2/3
SI11	234	Product/Service ID Identifying number for a product or service	O	1	AN 1/48
SI12	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	O	1	AN 2/3
SI13	234	Product/Service ID Identifying number for a product or service	O	1	AN 1/48
SI14	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	O	1	AN 2/3
SI15	234	Product/Service ID Identifying number for a product or service	O	1	AN 1/48
SI16	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	O	1	AN 2/3
SI17	234	Product/Service ID Identifying number for a product or service	O	1	AN 1/48
SI18	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	O	1	AN 2/3
SI19	234	Product/Service ID Identifying number for a product or service	O	1	AN 1/48
SI20	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	O	1	AN 2/3
SI21	234	Product/Service ID Identifying number for a product or service	O	1	AN 1/48

Identifying number for a product or service

Segment: **PID** **Product/Item Description**

Position: 5100

Loop: SLN Optional

Level: Detail

Usage: Optional

Max Use: 1000

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 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 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 CLSDRC1 Closed Reason Code 1 CLSDRC2 Closed Reason Code 2 INTERRGE1 In Terminal Range 1 INTERRGE2 In Terminal Range 2 LCT Load Coil Type OUTTERRGE1 Out Terminal Range 1 OUTTERRGE2 Out Terminal Range 2 TLMIND Telemetry Indicator	X 1 AN 1/12

	PID05	352	Description	X	1	AN 1/80
			A free-form description to clarify the related data elements and their content			
			If			
			PID01 PID04 PID05			
			X CLSDRC1 CLOSE-REASCD1: Closed Reason Code 1			
			X CLSDRC2 CLOSE-REASCD2: Closed Reason Code 2			
			X INTERRGE1 IN-TER-RANGE1: In Terminal Range 1			
			X INTERRGE2 IN-TER-RANGE2: In Terminal Range 2			
			X OUTTERRGE1 OUT-TER-RANGE1: Out Terminal Range 1			
			X OUTTERRGE2 OUT-TER-RANGE2: Out Terminal Range 2			
			X LCT LCT: Load Coil Type			
			X TLMIND TLM: Telemetry Indicator			
	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.			
Not Used	PID07	822	Source Subqualifier	O	1	AN 1/15
			A reference that indicates the table or text maintained by the Source Qualifier			
Not Used	PID08	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.			
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: **DTM** Date/Time Reference
Position: 5500
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:
 1 At least one of DTM02 DTM03 or DTM05 is required.
 2 If DTM04 is present, then DTM03 is required.
 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 146 Closing Date 263 Holiday	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 146 CLOSE-DATE: Closing Date 263 HOLIDAY-DATE: Holiday Date	M 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:** **PO4** Item Physical Details
- Position:** 5540
- Loop:** SLN Optional
- Level:** Detail
- Usage:** Optional
- Max Use:** 1
- Purpose:** To specify the physical qualities, packaging, weights, and dimensions relating to the item
- Syntax Notes:**
- 1 If either PO402 or PO403 is present, then the other is required.
 - 2 If PO405 is present, then PO406 is required.
 - 3 If either PO406 or PO407 is present, then the other is required.
 - 4 If either PO408 or PO409 is present, then the other is required.
 - 5 If PO410 is present, then PO413 is required.
 - 6 If PO411 is present, then PO413 is required.
 - 7 If PO412 is present, then PO413 is required.
 - 8 If PO413 is present, then at least one of PO410 PO411 or PO412 is required.
 - 9 If PO417 is present, then PO416 is required.
 - 10 If PO418 is present, then PO404 is required.
- Semantic Notes:**
- 1 PO415 is used to indicate the relative layer of this package or range of packages within the layers of packaging. Relative Position 1 (value R1) is the innermost package.
 - 2 PO416 is the package identifier or the beginning package identifier in a range of identifiers.
 - 3 PO417 is the ending package identifier in a range of identifiers.
 - 4 PO418 is the number of packages in this layer.
- Comments:**
- 1 PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the unit of measure of the "Size" identified in the PO402. For example: If the carton contains 24 12-Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ".
 - 2 PO413 defines the unit of measure for PO410, PO411, and PO412.

Data Element Summary

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
PO401	356	Pack	O 1 N0 1/6
		The number of inner containers, or number of eaches if there are no inner containers, per outer container	
PO402	357	Size	X 1 R 1/8
		Size of supplier units in pack	
		If	
		PO403 PO402	
		GZ GA: Gauge	
PO403	355	Unit or Basis for Measurement Code	X 1 ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		GZ Gage Systems	
PO404	103	Packaging Code	O 1 AN 3/5
		Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required	
		COL Coil	
		71 Not Otherwise Specified	
Not Used	PO405	187 Weight Qualifier	O 1 ID 1/2
		Code defining the type of weight	

			Refer to 004050 Data Element Dictionary for acceptable code values.			
Not Used	PO406	384	Gross Weight per Pack Numeric value of gross weight per pack	O	1	R 1/9
Not Used	PO407	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	PO408	385	Gross Volume per Pack Numeric value of gross volume per pack	O	1	R 1/9
Not Used	PO409	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
	PO410	82	Length Largest horizontal dimension of an object measured when the object is in the upright position If PO413 PO416 PO410 <LU> LL LLG: Loop Length By Gauge If PO404 PO413 PO410 COL71 <LU> ES: End Section	O	1	R 1/8
Not Used	PO411	189	Width Shorter measurement of the two horizontal dimensions measured with the object in the upright position	O	1	R 1/8
Not Used	PO412	65	Height Vertical dimension of an object measured when the object is in the upright position	O	1	R 1/8
	PO413	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 LU: LENGTH UNIT <LU>. Valid Values	O	1	ID 2/2
	PO414	810	Inner Pack The number of eaches per inner container	O	1	N0 1/6
Not Used	PO415	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
	PO416	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set LL Length	O	1	AN 1/20
Not Used	PO417	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	O	1	AN 1/20
Not Used	PO418	1470	Number A generic number	O	1	N0 1/9

Segment: **QTY** Quantity Information
Position: 5590
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>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	QTY01	673	Quantity Qualifier Code specifying the type of quantity 31 Additional Demand Quantity B5 Additional Amount M1 Matching Equipment TO Total VR Variance	M 1 ID 2/2
	QTY02	380	Quantity Numeric value of quantity If QTY01 QTY03 QTY02 31 DY DIRQTYA: Number of Directories for Annual Delivery B5 40 BOCAP: Buildout Capacity B5 82 BORES: Buildout Resistance B5 <LU> BOOFF: Buildout Offset M1 40 CAPAC: Capacitance If QTY/SI QTY/SI QTY01 QTY03 DE1000 DE234 QTY02 TO CX QT LCQ LCQ: Load Point Number VR <LU> QT LDSP LDSP: Load Spacing	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 40 Microfarad 82 Ohm CX Coil DY Directory Books LU Length Unit Valid Values for Buildout Offset	M ID 2/2
	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	O	1 AN 1/30

Segment: **SI** **Service Characteristic Identification**
Position: 5610
Loop: QTY 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

Ref. Des.	Data Element	Name	Attributes
Must Use	SI01	559 Agency Qualifier Code Code identifying the agency assigning the code values 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 QT Quantity Qualifier	M 1 AN 2/3
Must Use	SI03	234 Product/Service ID Identifying number for a product or service	M 1 AN 1/48
If QTY01 QTY03 SI DE1000 SI DE234 VR <LU> QT LDSP TO CX QT LCQ			
	SI04	1000 Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	X 1 AN 2/3
	SI05	234 Product/Service ID Identifying number for a product or service	X 1 AN 1/48
	SI06	1000 Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	X 1 AN 2/3
	SI07	234 Product/Service ID Identifying number for a product or service	X 1 AN 1/48
	SI08	1000 Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	O 1 AN 2/3
	SI09	234 Product/Service ID Identifying number for a product or service	O 1 AN 1/48
	SI10	1000 Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	O 1 AN 2/3

SI11	234	Product/Service ID Identifying number for a product or service	O	1	AN 1/48
SI12	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	O	1	AN 2/3
SI13	234	Product/Service ID Identifying number for a product or service	O	1	AN 1/48
SI14	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	O	1	AN 2/3
SI15	234	Product/Service ID Identifying number for a product or service	O	1	AN 1/48
SI16	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	O	1	AN 2/3
SI17	234	Product/Service ID Identifying number for a product or service	O	1	AN 1/48
SI18	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	O	1	AN 2/3
SI19	234	Product/Service ID Identifying number for a product or service	O	1	AN 1/48
SI20	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	O	1	AN 2/3
SI21	234	Product/Service ID Identifying number for a product or service	O	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

Ref. Des.	Data Element	Name	Attributes
Must Use	N901	128 Reference Identification Qualifier Code qualifying the Reference Identification AT&T valid codes: 55 Sequence Number 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 N903 N902 55 HTSEQ HTSEQ: Hunting Sequence If N901 N902 82 PLINFO 82 LTXTY	X 1 AN 1/50
	N903	369 Free-form Description Free-form descriptive text If N901 N902 N903 82 LTXTY LTXTY: Listing Text Type 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)	O 1 TM 4/8
Not Used	N906	623 Time Code	O 1 ID 2/2

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

			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.		
	N907	C040	Reference Identifier	O	1
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier		
	C04001	128	Reference Identification Qualifier	O	ID 2/3
			Code qualifying the Reference Identification		
			AT&T valid codes:		
			55 Sequence Number		
	C04002	127	Reference Identification	O	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 LTXTY 55 LTXNUM: Line of Text Reference No.		
Not Used	C04003	128	Reference Identification Qualifier	O	ID 2/3
			Code qualifying the Reference Identification		
			Refer to 004050 Data Element Dictionary for acceptable code values.		
Not Used	C04004	127	Reference Identification	O	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	O	ID 2/3
			Code qualifying the Reference Identification		
			Refer to 004050 Data Element Dictionary for acceptable code values.		
Not Used	C04006	127	Reference Identification	O	AN 1/50
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

Segment: **MTX** Text
Position: 5650
Loop: N9 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify textual data
Syntax Notes:
 1 If MTX01 is present, then MTX02 is required.
 2 If MTX03 is present, then MTX02 is required.
 3 If MTX05 is present, then MTX04 is required.
Semantic Notes:
 1 MTX05 is the number of lines to advance before printing.
Comments:
 1 If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</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
Must Use	MTX02	1551	Textual Data To transmit large volumes of message text	M 1 AN 1/4096
<pre> If N901 N902 MTX02 82 FAINFO PLFAINFO: Prior Level File After Information 82 PLINFO PLINFO: Prior Level Information If N901 N902 N903 MTX02 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" </pre>				
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: 5760
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 78 Service Requester BT Bill-to-Party C3 Circuit Location Identifier P9 Primary Interexchange Carrier (PIC)	M 1 ID 2/3
	N102	93 Name Free-form name If N101 N102 C3 NONE BT ACC-CARRIER-NAME: Access Carrier Name	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 92 Assigned by Buyer or Buyer's Agent BE Common Language Location Identification (CLLI)	X 1 ID 1/2
	N104	67 Identification Code Code identifying a party or other code If N101 N102 N103 N104 78 41 CIC: Carrier Identification Code BT 92 CCNA: Customer Carrier Name Abbreviation C3 NONE BE LCA: Location Code Address	X 1 AN 2/80
	N105	706 Entity Relationship Code Code describing entity relationship Refer to 004030 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
	N106	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an	O 1 ID 2/3

individual

Refer to 004010 Data Element Dictionary for acceptable code values.

Segment: **PER** Administrative Communications Contact
Position: 6200
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes: 1 If either PER03 or PER04 is present, then the other is required.
 2 If either PER05 or PER06 is present, then the other is required.
 3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

Must Use	Ref.	Data	Attributes	
	Des.	Element	Name	
Must Use	PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named AG Agent	M 1 ID 2/2
	PER02	93	Name Free-form name	O 1 AN 1/60
	PER03	365	Communication Number Qualifier Code identifying the type of communication number TE Telephone	X 1 ID 2/2
	PER04	364	Communication Number Complete communications number including country or area code when applicable If PER01 PER03 N101 PER04 AG TE BT ACC-CARRIER-TN: Access Carrier Telephone Number	X 1 AN 1/256
	PER05	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
	PER06	364	Communication Number Complete communications number including country or area code when applicable	X 1 AN 1/256
	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
	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

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
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	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 the same data element in ST02 in the Transaction Set Header (ST).	M 1 AN 4/9