



# **EXHIBIT OSS – 12**

## **855 Purchase Order Acknowledgement Transaction Set**

# 855 Purchase Order Acknowledgment

Functional Group ID=**PR**

## Introduction:

This Draft Standard for Trial Use 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 BellSouth'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:

Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	ST	Transaction Set Header	M	1	
Must Use	020	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1	
Not Used	040	CUR	Currency	O	1	
	050	REF	Reference Identification	O	>1	
	060	PER	Administrative Communications Contact	O	3	
Not Used	070	TAX	Tax Reference	O	>1	
Not Used	080	FOB	F.O.B. Related Instructions	O	>1	
Not Used	090	CTP	Pricing Information	O	>1	
	095	PAM	Period Amount	O	10	
Not Used	110	CSH	Sales Requirements	O	1	
<b>LOOP ID - SAC</b>						<b>25</b>
Not Used	120	SAC	Service, Promotion, Allowance, or Charge Information	O	1	
Not Used	125	CUR	Currency	O	1	
Not Used	130	ITD	Terms of Sale/Deferred Terms of Sale	O	5	
Not Used	140	DIS	Discount Detail	O	20	
Not Used	145	INC	Installment Information	O	1	

	150	DTM	Date/Time Reference	O	10	
Not Used	160	LDT	Lead Time	O	12	
Not Used	180	LIN	Item Identification	O	5	n1
	185	SI	Service Characteristic Identification	O	>1	
	190	PID	Product/Item Description	O	200	
Not Used	200	MEA	Measurements	O	40	
Not Used	210	PWK	Paperwork	O	25	
Not Used	220	PKG	Marking, Packaging, Loading	O	25	
Not Used	230	TD1	Carrier Details (Quantity and Weight)	O	2	
Not Used	240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	250	TD3	Carrier Details (Equipment)	O	12	
Not Used	260	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
Not Used	270	MAN	Marks and Numbers	O	10	
Not Used	275	TXI	Tax Information	O	>1	
Not Used	277	CTB	Restrictions/Conditions	O	>1	
<b>LOOP ID - N9</b>					<b>1000</b>	
	280	N9	Reference Identification	O	1	
Not Used	285	DTM	Date/Time Reference	O	>1	
	290	MSG	Message Text	O	1000	
<b>LOOP ID - N1</b>					<b>200</b>	
	300	N1	Name	O	1	
Not Used	310	N2	Additional Name Information	O	2	
Not Used	320	N3	Address Information	O	2	
Not Used	330	N4	Geographic Location	O	1	
Not Used	335	NX2	Location ID Component	O	>1	
Not Used	340	REF	Reference Identification	O	12	
	350	PER	Administrative Communications Contact	O	>1	
Not Used	355	SI	Service Characteristic Identification	O	>1	
Not Used	360	FOB	F.O.B. Related Instructions	O	1	
Not Used	370	TD1	Carrier Details (Quantity and Weight)	O	2	
Not Used	380	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	390	TD3	Carrier Details (Equipment)	O	12	
Not Used	400	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
Not Used	410	PKG	Marking, Packaging, Loading	O	25	
Not Used	420	MSG	Message Text	O	>1	
<b>LOOP ID - ADV</b>					<b>&gt;1</b>	
Not Used	430	ADV	Advertising Demographic Information	O	1	
Not Used	440	DTM	Date/Time Reference	O	>1	
Not Used	450	MTX	Text	O	>1	

**Detail:**

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

	010	PO1	Baseline Item Data	O	1	n2
Not Used	015	LIN	Item Identification	O	>1	
	018	SI	Service Characteristic Identification	O	>1	
Not Used	020	CUR	Currency	O	1	
Not Used	030	PO3	Additional Item Detail	O	25	
Not Used	040	CTP	Pricing Information	O	>1	
Not Used	045	PAM	Period Amount	O	10	
Not Used	049	MEA	Measurements	O	40	
<b>LOOP ID - PID</b>					<b>1000</b>	
	050	PID	Product/Item Description	O	1	
Not Used	060	MEA	Measurements	O	10	
Not Used	070	PWK	Paperwork	O	25	
Not Used	090	PO4	Item Physical Details	O	>1	
	100	REF	Reference Identification	O	>1	
Not Used	110	PER	Administrative Communications Contact	O	3	
<b>LOOP ID - SAC</b>					<b>25</b>	
Not Used	130	SAC	Service, Promotion, Allowance, or Charge Information	O	1	
Not Used	135	CUR	Currency	O	1	
Not Used	140	IT8	Conditions of Sale	O	1	
Not Used	142	CSH	Sales Requirements	O	>1	
Not Used	150	ITD	Terms of Sale/Deferred Terms of Sale	O	2	
Not Used	160	DIS	Discount Detail	O	20	
Not Used	165	INC	Installment Information	O	1	
Not Used	170	TAX	Tax Reference	O	>1	
Not Used	180	FOB	F.O.B. Related Instructions	O	>1	
Not Used	190	SDQ	Destination Quantity	O	500	
Not Used	200	DTM	Date/Time Reference	O	10	
Not Used	210	LDT	Lead Time	O	12	
Not Used	230	TD1	Carrier Details (Quantity and Weight)	O	1	
Not Used	240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	250	TD3	Carrier Details (Equipment)	O	12	
Not Used	260	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
<b>LOOP ID - ACK</b>					<b>104</b>	
Not Used	270	ACK	Line Item Acknowledgment	O	1	
Not Used	280	DTM	Date/Time Reference	O	1	
Not Used	290	MAN	Marks and Numbers	O	10	
Not Used	293	AMT	Monetary Amount	O	1	n3
Not Used	295	CTB	Restrictions/Conditions	O	>1	
Not Used	296	TXI	Tax Information	O	>1	
<b>LOOP ID - QTY</b>					<b>&gt;1</b>	
	300	QTY	Quantity	O	1	
Not Used	302	SI	Service Characteristic Identification	O	>1	
<b>LOOP ID - PKG</b>					<b>200</b>	
Not Used	303	PKG	Marking, Packaging, Loading	O	1	

Not Used	305	MEA	Measurements	O	>1	
			<b>LOOP ID - SCH</b>			<b>200</b>
Not Used	310	SCH	Line Item Schedule	O	1	n4
Not Used	315	TD1	Carrier Details (Quantity and Weight)	O	2	
Not Used	320	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	330	TD3	Carrier Details (Equipment)	O	12	
Not Used	340	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
Not Used	345	REF	Reference Identification	O	>1	
			<b>LOOP ID - N9</b>			<b>1000</b>
	350	N9	Reference Identification	O	1	
Not Used	355	DTM	Date/Time Reference	O	>1	
	360	MSG	Message Text	O	1000	
			<b>LOOP ID - N1</b>			<b>200</b>
Not Used	370	N1	Name	O	1	
Not Used	380	N2	Additional Name Information	O	2	
Not Used	390	N3	Address Information	O	2	
Not Used	400	N4	Geographic Location	O	1	
Not Used	405	NX2	Location ID Component	O	>1	
Not Used	410	REF	Reference Identification	O	12	
Not Used	420	PER	Administrative Communications Contact	O	3	
Not Used	425	SI	Service Characteristic Identification	O	>1	
Not Used	426	DTM	Date/Time Reference	O	1	
Not Used	430	FOB	F.O.B. Related Instructions	O	1	
Not Used	435	SCH	Line Item Schedule	O	200	
Not Used	440	TD1	Carrier Details (Quantity and Weight)	O	2	
Not Used	450	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	460	TD3	Carrier Details (Equipment)	O	12	
Not Used	470	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
Not Used	475	QTY	Quantity	O	>1	
Not Used	480	PKG	Marking, Packaging, Loading	O	25	
			<b>LOOP ID - SLN</b>			<b>1000</b>
	490	SLN	Subline Item Detail	O	1	
Not Used	495	MSG	Message Text	O	>1	
	500	SI	Service Characteristic Identification	O	>1	
Not Used	510	PID	Product/Item Description	O	1000	
Not Used	520	PO3	Additional Item Detail	O	25	
Not Used	522	CTP	Pricing Information	O	25	
Not Used	523	PAM	Period Amount	O	10	
Not Used	530	ACK	Line Item Acknowledgment	O	104	
			<b>LOOP ID - SAC</b>			<b>10</b>
Not Used	540	SAC	Service, Promotion, Allowance, or Charge Information	O	1	
Not Used	545	CUR	Currency	O	1	
Not Used	550	DTM	Date/Time Reference	O	10	

Not Used	554	PO4	Item Physical Details	O	1
Not Used	557	TAX	Tax Reference	O	3
Not Used	558	ADV	Advertising Demographic Information	O	>1
<b>LOOP ID - QTY</b>					<b>&gt;1</b>
Not Used	559	QTY	Quantity	O	1
Not Used	561	SI	Service Characteristic Identification	O	>1
<b>LOOP ID - N9</b>					<b>&gt;1</b>
	563	N9	Reference Identification	O	1
Not Used	564	DTM	Date/Time Reference	O	>1
Not Used	565	MSG	Message Text	O	>1
<b>LOOP ID - N1</b>					<b>10</b>
Not Used	576	N1	Name	O	1
Not Used	578	N2	Additional Name Information	O	2
Not Used	580	N3	Address Information	O	2
Not Used	590	N4	Geographic Location	O	1
Not Used	600	NX2	Location ID Component	O	>1
Not Used	610	REF	Reference Identification	O	12
Not Used	620	PER	Administrative Communications Contact	O	3
Not Used	625	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>
			<b>LOOP ID - CTT</b>			<b>1</b>	
Must Use	010	CTT	Transaction Totals	M	1		n5
Not Used	020	AMT	Monetary Amount	O	1		n6
Must Use	030	SE	Transaction Set Trailer	M	1		

**Transaction Set Notes**

1. If segment LIN is used, do not use LIN01.
2. PO102 is required.
3. If AMT is used in the detail area, then AMT01 will = 1 and AMT02 will indicate total line amount as calculated by the sender.
4. The SCH segment is used to specify various quantities of items ordered that are to be scheduled. When this segment is used the unit of measurement code (SCH02) should always be identical to the unit of measurement code in the associated PO1 segment (PO103) and the sum of values of quantity (SCH01) should always equal the quantity ordered (PO102) in the PO1 segment.
5. The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.
6. If AMT is used in the summary area, then AMT01 will = TT and AMT02 will indicate total transaction amount as calculated by the sender.

**Segment:** **ST** Transaction Set Header  
**Position:** 010  
**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).  
**Comments:**

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	ST01	143	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set 855 Purchase Order Acknowledgment	M ID 3/3
Must Use	ST02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set <b>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).</b>	M AN 4/9



**Segment:** **BAK** Beginning Segment for Purchase Order Acknowledgment  
**Position:** 020  
**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.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	BAK01	353	<b>Transaction Set Purpose Code</b> Code identifying purpose of transaction set <b>BellSouth valid codes:</b> 06 Confirmation 08 Status 21 Transaction on Hold	M ID 2/2
Must Use	BAK02	587	<b>Acknowledgment Type</b> Code specifying the type of acknowledgment <b>BellSouth valid EDI usage:</b> If BAK01 BAK02 06 AT = Accepted FOC 06 AH = Clarification (860 Required) 06 RD = Reject (850 Required) 08 NA = Status (No Action Required) 21 AC = Jeopardy (New Desired Due Date Req'd)	M ID 2/2
Must Use	BAK03	324	<b>Purchase Order Number</b> Identifying number for Purchase Order assigned by the orderer/purchaser <b>PON: Purchase Order Number</b>	M AN 1/22
Must Use	BAK04	373	<b>Date</b> Date expressed as CCYYMMDD <b>CD/SENT: Confirmation Date Sent (also sent in DTM02)</b>	M DT 8/8
Not Used	BAK05	328	<b>Release Number</b> Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	O AN 1/30
Not Used	BAK06	326	<b>Request Reference Number</b> Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number)	O AN 1/45
Not Used	BAK07	367	<b>Contract Number</b> Contract number	O AN 1/30
Not Used	BAK08	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O AN 1/30

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<b>Not Used</b>	<b>BAK09</b>	<b>373</b>	<b>Date</b> Date expressed as CCYYMMDD	<b>O DT 8/8</b>
<b>Not Used</b>	<b>BAK10</b>	<b>640</b>	<b>Transaction Type Code</b> Code specifying the type of transaction	<b>O ID 2/2</b>

**Segment:** **REF** Reference Identification  
**Position:** 050  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To specify identifying information  
**Syntax Notes:**  
 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:**  
 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**

**Data Element Summary**

Must Use	Ref. Des.	Data Element	Name	Attributes
	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification <b>BellSouth valid codes:</b> 11 Account Number Number identifies a telecommunications industry account 12 Billing Account Account number under which billing is rendered 2I Tracking Number 3H Case Number 4N Special Payment Reference Number IX Item Number OW Service Order Number Number assigned when a customer orders service and equipment and which appears on bill	M ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <b>If</b> <b>REF01 REF03 REF02</b> 11 AN AN: Account Number 11 ATN ATN: Account Telephone No. 11 EAN EAN: Existing Account Number 11 EATN EATN: Existing Account Telephone No. 12 BAN1 BAN1: Billing Account Number 1 12 BAN2 BAN2: Billing Account Number 2 2I LSR NO LSR NO: Local Service Request Number 4N BI1 BI1: Billing Account Number ID 1 4N BI2 BI2: Billing Account Number ID 2 IX RESID RESID: Response Identifier OW DLORD DLORD: Directory Listing Order No. (LNP only) OW ORD SVC ORD: Service Order Number  Not currently being utilized by BellSouth: SU RT: Response Type V0 ECVER: Exchange Carrier Version OW DAORD DAORD: Directory Assistance Order Number 2I DSRNO DSRNO: Directory Service Request Number	X AN 1/30

Code	Segment	Field	Description	Qualifiers
		3H	CNO: LSOG Inquiry Case Number	
		4N DBI1	DBI1: Directory Billing Acct. No ID 1	
		4N DBI2	DBI2: Directory Billing Acct. No ID 2	
		12 DBAN1	DBAN1: Directory Billing Acct. No. 1	
		12 DBAN2	DBAN2: Directory Billing Acct. No. 2	
REF03	352	Description		X AN 1/80
		A free-form description to clarify the related data elements and their content		
		If		
		REF01	REF03	
		11	AN, ATN, EAN, or EATN	
		12	BAN1 or BAN2	
		4N	BI1 or BI2	
		2I	LSR NO	
		IX	RESID	
		OW	DLORD or ORD	
Not Used	REF04	C040	Reference Identifier	O
		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		
Not Used	C04002	127	Reference Identification	M AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	C04003	128	Reference Identification Qualifier	X ID 2/3
		Code qualifying the Reference Identification		
Not Used	C04004	127	Reference Identification	X AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	C04005	128	Reference Identification Qualifier	X ID 2/3
		Code qualifying the Reference Identification		
Not Used	C04006	127	Reference Identification	X AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

**Segment:** **PER** Administrative Communications Contact  
**Position:** 060  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 3  
**Purpose:** To identify a person or office to whom administrative communications should be directed  
**Syntax Notes:**  
 1 If either PER03 or PER04 is present, then the other is required.  
 2 If either PER05 or PER06 is present, then the other is required.  
 3 If either PER07 or PER08 is present, then the other is required.  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes
Must Use	PER01	366 Contact Function Code	M ID 2/2
		Code identifying the major duty or responsibility of the person or group named <b>BellSouth valid codes:</b> OC Order Contact	
	PER02	93 Name	O AN 1/60
		Free-form name <b>If</b> PER01 PER02 OC REP: Provider Contact Representative  <b>Not currently being utilized by BellSouth:</b> EG NSP-DSGCON: NSP-Design Engineering Contact IC DACONT-INIT: Directory Assistance Contact at Providing Company PH DLCONT-INIT: Directory Contact at Providing Company	
	PER03	365 Communication Number Qualifier	O ID 2/2
		Code identifying the type of communication number <b>BellSouth valid code:</b> TE Telephone	
	PER04	364 Communication Number	O AN 1/80
		Complete communications number including country or area code when applicable <b>Not currently being utilized by BellSouth:</b> <b>If</b> PER01 PER DE365 PER DE364 OC TE REP: Provider Contact Rep Tele. No.  <b>Not currently being utilized by BellSouth:</b> EG TE NSP-DSGCON: NSP Design Engr. Tele. No. IC TE DACONT-INIT: Dir. Assistance Contact Tele. No. PH TE DLCONT-TN: Dir. Contact at Providing Company Tele. No.	
	PER05	365 Communication Number Qualifier	O ID 2/2
		Code identifying the type of communication number <b>See PER03 for the valid list of codes.</b>	

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	<b>PER06</b>	<b>364</b>	<b>Communication Number</b> Complete communications number including country or area code when applicable	<b>O AN 1/80</b>
	<b>PER07</b>	<b>365</b>	<b>Communication Number Qualifier</b> Code identifying the type of communication number <b>See PER03 for the valid list of codes.</b>	<b>O ID 2/2</b>
	<b>PER08</b>	<b>364</b>	<b>Communication Number</b> Complete communications number including country or area code when applicable	<b>O AN 1/80</b>
<b>Not Used</b>	<b>PER09</b>	<b>443</b>	<b>Contact Inquiry Reference</b> Additional reference number or description to clarify a contact number	<b>O AN 1/20</b>

**Segment:** **PAM** Period Amount  
**Position:** 095  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To indicate a quantity, and/or amount for an identified period  
**Syntax Notes:**

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

**Semantic Notes:**

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

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

**This data segment currently not being utilized by BellSouth.**

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
		673	<b>Quantity Qualifier</b>	X ID 2/2
			Code specifying the type of quantity	
		380	<b>Quantity</b>	X R 1/15
			Numeric value of quantity	
			<b>Not currently being utilized by BellSouth:</b>	
			<b>If</b>	
			<b>PAM01 PAM02</b>	
			<b>GZ DLQTYR: Number of Listings Received</b>	
			<b>SF SQTYR: Service Address Quantity Received</b>	
			<b>BH DDQTYR: Number of Delivery Segments Received</b>	
		C001	<b>Composite Unit of Measure</b>	X
			To identify a composite unit of measure (See Figures Appendix for examples of use)	
<b>Must Use</b>	<b>C00101</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>M ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
<b>Not Used</b>	<b>C00102</b>	<b>1018</b>	<b>Exponent</b>	<b>O R 1/15</b>
			Power to which a unit is raised	
<b>Not Used</b>	<b>C00103</b>	<b>649</b>	<b>Multiplier</b>	<b>O R 1/10</b>
			Value to be used as a multiplier to obtain a new value	
<b>Not Used</b>	<b>C00104</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>O ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
<b>Not Used</b>	<b>C00105</b>	<b>1018</b>	<b>Exponent</b>	<b>O R 1/15</b>
			Power to which a unit is raised	
<b>Not Used</b>	<b>C00106</b>	<b>649</b>	<b>Multiplier</b>	<b>O R 1/10</b>

			Value to be used as a multiplier to obtain a new value	
Not Used	C00107	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00108	1018	<b>Exponent</b> Power to which a unit is raised	O R 1/15
Not Used	C00109	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00110	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00111	1018	<b>Exponent</b> Power to which a unit is raised	O R 1/15
Not Used	C00112	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00113	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00114	1018	<b>Exponent</b> Power to which a unit is raised	O R 1/15
Not Used	C00115	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	PAM04	522	<b>Amount Qualifier Code</b> Code to qualify amount	X ID 1/3
Not Used	PAM05	782	<b>Monetary Amount</b> Monetary amount	X R 1/18
Not Used	PAM06	344	<b>Unit of Time Period or Interval</b> Code indicating the time period or interval	X ID 2/2
Not Used	PAM07	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time	X ID 3/3
Not Used	PAM08	373	<b>Date</b> Date expressed as CCYYMMDD	X DT 8/8
Not Used	PAM09	337	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X TM 4/8
Not Used	PAM10	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time	X ID 3/3
Not Used	PAM11	373	<b>Date</b> Date expressed as CCYYMMDD	X DT 8/8
Not Used	PAM12	337	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X TM 4/8
Not Used	PAM13	1004	<b>Percent Qualifier</b> Code to qualify percent	X ID 1/2
Not Used	PAM14	954	<b>Percent</b> Percentage expressed as a decimal	X R 1/10
Not Used	PAM15	1073	<b>Yes/No Condition or Response Code</b> Code indicating a Yes or No condition or response	O ID 1/1



**Segment:** **DTM** Date/Time Reference  
**Position:** 150  
**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>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time <b>BellSouth valid codes:</b> 007 Effective 097 Transaction Creation 150 Service Period Start 992 Date Requested	M ID 3/3
	DTM02	373	<b>Date</b> Date expressed as CCYYMMDD <b>If</b> DTM01 DTM02 007 EBD: Effective Bill Date 097 CD/SENT: Confirmation Sent Date 150 DD/CD: Due Date  <b>Not currently being utilized by BellSouth:</b> 018 DDA: Date of Availability 050 DOR: Date of Receipt 139 ESDD: Estimated Due Date	X DT 8/8
	DTM03	337	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) <b>Not currently being utilized by BellSouth:</b> Time portion of CD/SENT (CD/TSENT)	X TM 4/8
Not Used	DTM04	623	<b>Time Code</b> Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	O ID 2/2

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<b>DTM05</b>	<b>1250</b>	<b>Date Time Period Format Qualifier</b>	<b>X</b>	<b>ID 2/3</b>
		Code indicating the date format, time format, or date and time format		
		<b>BellSouth valid code:</b>		
		RTM		Range of Time Expressed in Format HHMM-HHMM A range of times expressed in the form HHMM-HHMM where HH is the numerical expression of hours in the day based on a twenty-four hour clock and MM is the numerical expression of minutes within an hour; the first occurrence of HHMM is the starting time and the second is the ending time
		TM		Time Expressed in Format HHMM Time expressed in the format HHMM where HH is the numerical expression of hours in the day based on a twenty-four hour clock and MM is the numerical expression of minutes within an hour
<b>DTM06</b>	<b>1251</b>	<b>Date Time Period</b>	<b>X</b>	<b>AN 1/35</b>
		Expression of a date, a time, or range of dates, times or dates and times		
		<b>If</b>		
		<b>DTM01 DTM05 DTM06</b>		
		<b>992 TM/RTM FDT: Frame Due Time</b>		
		<b>Not currently being utilized by BellSouth:</b>		
		<b>992 TM/RTM DADT: Directory Assistance Due Time</b>		

**Segment:** **SI Service Characteristic Identification**  
**Position:** 185  
**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**

Ref. Des.	Data Element	Name	Attributes
Must Use	SI01	559 Agency Qualifier Code Code identifying the agency assigning the code values <b>BellSouth valid code:</b> TI Telecommunications Industry	M ID 2/2
Must Use	SI02	1000 Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics <b>BellSouth valid codes:</b> IB ISDN Basic Rate Interface (BRI) Type	M AN 2/2
Must Use	SI03	234 Product/Service ID Identifying number for a product or service <b>If</b> <b>SI DE1000 SI DE234</b> <b>IB IBT: ISDN BRI Type</b>  <b>Not currently being utilized by BellSouth:</b> <b>SB ST: Switch Type</b> <b>TO SC2: Service Center</b> <b>TU SCL: Service Center</b>	M AN 1/48
	SI04	1000 Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics <b>See SI02 for the valid list of codes.</b>	X AN 2/2
	SI05	234 Product/Service ID Identifying number for a product or service	X AN 1/48
	SI06	1000 Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics <b>See SI02 for the valid list of codes.</b>	X AN 2/2
	SI07	234 Product/Service ID Identifying number for a product or service	X AN 1/48
	SI08	1000 Service Characteristics Qualifier	X AN 2/2

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

**Segment:** **PID** **Product/Item Description**  
**Position:** 190  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 200  
**Purpose:** To describe a product or process in coded or free-form format  
**Syntax Notes:**  
 1 If PID04 is present, then PID03 is required.  
 2 At least one of PID04 or PID05 is required.  
 3 If PID07 is present, then PID03 is required.  
 4 If PID08 is present, then PID04 is required.  
 5 If PID09 is present, then PID05 is required.  
**Semantic Notes:**  
 1 Use PID03 to indicate the organization that publishes the code list being referred to.  
 2 PID04 should be used for industry-specific product description codes.  
 3 PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.  
 4 PID09 is used to identify the language being used in PID05.  
**Comments:**  
 1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.  
 2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.  
 3 PID07 specifies the individual code list of the agency specified in PID03.

**Data Element Summary**

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

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	<b>PID08</b>	<b>1073</b>	<b>Yes/No Condition or Response Code</b>	<b>O ID 1/1</b>
			Code indicating a Yes or No condition or response	
			<b>If</b>	
			<b>PID04 PID08</b>	
			<b>AH CHC: Coordinated Hot Cut</b>	
			<b>Not currently being utilized by BellSouth:</b>	
			<b>BM AFVR: Additional Field Visit Required</b>	
			<b>AH DCHC: Directory Assistance Coordinated Hot Cut</b>	
			N No	
			Y Yes	
<b>Not Used</b>	<b>PID09</b>	<b>819</b>	<b>Language Code</b>	<b>O ID 2/3</b>
			Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)	

**Segment:** **N9** Reference Identification  
**Position:** 280  
**Loop:** N9 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier  
**Syntax Notes:**  
 1 At least one of N902 or N903 is required.  
 2 If N906 is present, then N905 is required.  
 3 If either C04003 or C04004 is present, then the other is required.  
 4 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:**  
 1 N906 reflects the time zone which the time reflects.  
 2 N907 contains data relating to the value cited in N902.  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N901	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification <b>BellSouth valid codes:</b> 1Q Error Identification Code Qualifies a single number that describes an error found in application-level data L1 Letters or Notes <b>Non-retained Remarks</b> SH Sender Defined Clause	M ID 2/3
	N902	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <b>If</b> N901 N902 1Q <b>ERROR-CODE: Error Code</b> L1 <b>ORI</b> SH <b>STATUS CODE: Status Code</b>  <b>Not currently being utilized by BellSouth:</b> TD <b>RCODE: Reason Code</b>	X AN 1/30
Not Used	N903	369	<b>Free-form Description</b> Free-form descriptive text	X AN 1/45
Not Used	N904	373	<b>Date</b> Date expressed as CCYYMMDD	O DT 8/8
Not Used	N905	337	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X TM 4/8
Not Used	N906	623	<b>Time Code</b> Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	O ID 2/2

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Not Used	N907	C040	<b>Reference Identifier</b> To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
Not Used	C04001	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	M ID 2/3
Not Used	C04002	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
Not Used	C04003	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	X ID 2/3
Not Used	C04004	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
Not Used	C04005	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	X ID 2/3
Not Used	C04006	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30



**Segment:** **MSG** Message Text  
**Position:** 290  
**Loop:** N9 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1000  
**Purpose:** To provide a free-form format that allows the transmission of text information  
**Syntax Notes:** 1 If MSG03 is present, then MSG02 is required.  
**Semantic Notes:** 1 MSG03 is the number of lines to advance before printing.  
**Comments:** 1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.  
 2 If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	MSG01	933	Free-Form Message Text Free-form message text If N901 N902 MSG01 LQ ERROR-CODE ERROR-MSG: Error Message L1 ORI REMARKS: Remarks SH STATUS-CODE STATUS-MSG: Status Message	M AN 1/264
			Not currently being utilized by BellSouth: If N901 N902 N903 MSG01 L1 ORI CNF REMARKS: Remarks L1 ORI DSCN REMARKS: Remarks L1 ORI DSRED REMARKS: Remarks TD RDET: Reason Detail	
Not Used	MSG02	934	Printer Carriage Control Code A field to be used for the control of the line feed of the receiving printer	X ID 2/2
Not Used	MSG03	1470	Number A generic number	O N0 1/9

**Segment:** **N1** Name  
**Position:** 300  
**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.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
Must Use	N101	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			<b>BellSouth valid codes:</b>	
		78	Service Requester	
			<b>The address in the N1 loop with a qualifier of 78 is the initiator's address.</b>	
		BY	Buying Party (Purchaser)	
		DG	Design Engineering	
			Identifies the design engineer or office of the design engineer who will receive design specifications	
		NN	Network Name	
			Identifies the name of the telecommunications network, e.g., Envoy	
	N102	93	Name	X AN 1/60
			Free-form name	
			<b>If</b>	
			<b>N101 N102</b>	
		78	<b>CCNA: Customer Carrier Name Abbreviation</b>	
		DG	<b>DSGCON: Design/Engrg. Contact</b>	
		NN	<b>NNSP</b>	
			<b>Not currently being utilized by BellSouth:</b>	
		VG	<b>DINIT: Initiator - Directory Request</b>	
	N103	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			<b>BellSouth valid codes:</b>	
		25	Carrier's Customer Code	
		42	Telecommunications Pseudo Carrier Identification Code	
			A code similar to the standard Carrier Identification Code which is used to identify the local exchange service providers	

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	<b>N104</b>	<b>67</b>	<b>Identification Code</b> Code identifying a party or other code <b>If</b> <b>N101 N102 N103 N104</b> <b>BY 25 CC: Company Code</b> <b>NN NNSP 42 NNSP: New Netwrk Svc. Provider (LNP)</b>	<b>X AN 2/80</b>
<b>Not Used</b>	<b>N105</b>	<b>706</b>	<b>Entity Relationship Code</b> Code describing entity relationship	<b>O ID 2/2</b>
<b>Not Used</b>	<b>N106</b>	<b>98</b>	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual	<b>O ID 2/3</b>

**Segment:** **PER** Administrative Communications Contact  
**Position:** 350  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To identify a person or office to whom administrative communications should be directed  
**Syntax Notes:**  
 1 If either PER03 or PER04 is present, then the other is required.  
 2 If either PER05 or PER06 is present, then the other is required.  
 3 If either PER07 or PER08 is present, then the other is required.  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PER01	366	<b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named <b>BellSouth valid codes:</b> AG Agent	M ID 2/2
	PER02	93	<b>Name</b> Free-form name <b>If</b> N101 PER01 PER02 78 AG <b>INIT: Initiator Identification</b>	O AN 1/60
	PER03	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number <b>BellSouth valid code:</b> TE Telephone	X ID 2/2
	PER04	364	<b>Communication Number</b> Complete communications number including country or area code when applicable <b>If</b> PER01 PER03 PER04 AG TE <b>TELNO-INIT: Initiator Tele. No.</b>	X AN 1/80
Not Used	PER05	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number	X ID 2/2
Not Used	PER06	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	X AN 1/80
Not Used	PER07	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number	X ID 2/2
Not Used	PER08	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	X AN 1/80
Not Used	PER09	443	<b>Contact Inquiry Reference</b> Additional reference number or description to clarify a contact number	O AN 1/20

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

**Position:** 010

**Loop:** PO1 Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

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

**Syntax Notes:**

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

**Semantic Notes:**

**Comments:**

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

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
		350	<b>Assigned Identification</b>	O AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set	
		330	<b>Quantity Ordered</b>	X R 1/15
			Quantity ordered	
			<b>BellSouth valid entry:</b> 1	
		355	<b>Unit or Basis for Measurement Code</b>	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			<b>BellSouth valid code:</b>	
			EA Each	
Not Used	PO104	212	<b>Unit Price</b>	X R 1/17
			Price per unit of product, service, commodity, etc.	
Not Used	PO105	639	<b>Basis of Unit Price Code</b>	O ID 2/2
			Code identifying the type of unit price for an item	
Not Used	PO106	235	<b>Product/Service ID Qualifier</b>	X ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
Not Used	PO107	234	<b>Product/Service ID</b>	X AN 1/48
			Identifying number for a product or service	
Not Used	PO108	235	<b>Product/Service ID Qualifier</b>	X ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
Not Used	PO109	234	<b>Product/Service ID</b>	X AN 1/48

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			Identifying number for a product or service		
Not Used	PO110	235	<b>Product/Service ID Qualifier</b>	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	PO111	234	<b>Product/Service ID</b>	X	AN 1/48
			Identifying number for a product or service		
Not Used	PO112	235	<b>Product/Service ID Qualifier</b>	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	PO113	234	<b>Product/Service ID</b>	X	AN 1/48
			Identifying number for a product or service		
Not Used	PO114	235	<b>Product/Service ID Qualifier</b>	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	PO115	234	<b>Product/Service ID</b>	X	AN 1/48
			Identifying number for a product or service		
Not Used	PO116	235	<b>Product/Service ID Qualifier</b>	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	PO117	234	<b>Product/Service ID</b>	X	AN 1/48
			Identifying number for a product or service		
Not Used	PO118	235	<b>Product/Service ID Qualifier</b>	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	PO119	234	<b>Product/Service ID</b>	X	AN 1/48
			Identifying number for a product or service		
Not Used	PO120	235	<b>Product/Service ID Qualifier</b>	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	PO121	234	<b>Product/Service ID</b>	X	AN 1/48
			Identifying number for a product or service		
Not Used	PO122	235	<b>Product/Service ID Qualifier</b>	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	PO123	234	<b>Product/Service ID</b>	X	AN 1/48
			Identifying number for a product or service		
Not Used	PO124	235	<b>Product/Service ID Qualifier</b>	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	PO125	234	<b>Product/Service ID</b>	X	AN 1/48
			Identifying number for a product or service		

**Segment:** **SI** Service Characteristic Identification  
**Position:** 018  
**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**

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
Must Use	SI01	559 Agency Qualifier Code Code identifying the agency assigning the code values <b>BellSouth valid code:</b> TI Telecommunications Industry	M ID 2/2
Must Use	SI02	1000 Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics <b>BellSouth valid codes:</b> AM Main/Alternate Telephone Number BR Directory Listings Type of Account CM Local Service Provider's Circuit Number CN Circuit Number Identification Code CU Channel Pair Identifier DD DID Digits Out DG Degree of Indent IT Ported Telephone Number K1 System ID K2 Cable Identification K3 Shelf K4 Slot K5 Relay Rack K6 Channel/Pair LB Listing Activity Type LE Listing Type LN Listed Telephone Number LO Local Exchange Carrier Serving Office Code ND Disconnect Number NS Non-Standard Telephone Number	M AN 2/2

NT Shared Line Telephone Number  
 OT Out Telephone Number  
 RI Route Index  
 SA Service Activity Code  
 SG Service Group  
 SN ISDN Service Profile Identifier (ISPID)  
 T5 Terminal Number  
 T9 DID Telephone Number Range  
 TH Trunk Group Number  
 TK Trunk Number  
 TN Telephone Number  
 TQ Telephone Line Identifier  
 TW Style Code  
 TZ Number Type

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

Identifying number for a product or service

If

SI02 SI03

AM MATN: Main/Alternate Telephone Number  
 BR TOA: Type of Account  
 CM CKR: Customer Circuit Reference  
 CN ECCCT: Exchange Company Circuit ID  
 CU CHAN/PAIR2: Channel Pair 2  
 DD DGOUT: DID Digits Out  
 DG DOI: Degree of Indent  
 IT PORTED NBR: Ported Number  
 K1 SYSTEM ID: System ID  
 K2 CABLE ID: Cable ID  
 K3 SHELF: Shelf  
 K4 SLOT: Slot  
 K5 RELAY RACK: Relay Rack  
 K6 CHAN/PAIR: Channel/Pair  
 LB LACT: Listing Activity Type  
 LE LTY: Listing Type  
 LN LTN: Listed Telephone Number  
 LO LST: Local Service Termination  
 ND DISC NBR: Disconnect Telephone Number  
 NS NSTN: Non Standard Telephone Number  
 NT SLTN: Shared Line Telephone Number  
 OT OTN: Out Telephone Number  
 RI RTI: Route Index Number or  
 RI DRTI: Route Index Number  
 SA HA: Hunt Group Activity  
 SG HID: Hunt Group ID  
 SN ISPID: ISDN Service Profile Identification  
 T5 TERS: Terminal Number(s)  
 T9 DTNR: DID TN Range  
 TH DTGN: Trunk Group Number  
 TK DTKID: DID Trunk ID  
 TN TNS: Telephone Numbers  
 TQ TLI: Telephone Line Identifier or  
 TQ DTLI: DID Telephone Line Identifier  
 TW STYC: Style Code  
 TZ NOTYP: Number Type

Not currently being utilized by BellSouth:  
 AT LTC: Line Treatment Code



		<b>DB</b>	<b>BOOK: Book of Listings</b>		
		<b>DE</b>	<b>DLCI: Data Link Connection Identifier</b>		
		<b>DF</b>	<b>SECTION: Section of Directory for Listings</b>		
		<b>DM</b>	<b>DSN: Dialable Station Number</b>		
		<b>DY</b>	<b>DSTN: Disassociated TN</b>		
		<b>ES</b>	<b>RECCKT: Related Exchange Company Circuit ID</b>		
		<b>J5</b>	<b>DEMARC: Demarc Designation</b>		
		<b>K7</b>	<b>UNIT: Unit Number</b>		
		<b>LG</b>	<b>LISTTND: Listed Telephone No. DA</b>		
		<b>SE</b>	<b>RDLCI: Related Data Link Connection ID</b>		
SI04	1000		<b>Service Characteristics Qualifier</b>	X	AN 2/2
			Code from an industry code list qualifying the type of service characteristics <b>See SI02 for the valid list of codes.</b>		
SI05	234		<b>Product/Service ID</b>	X	AN 1/48
			Identifying number for a product or service		
SI06	1000		<b>Service Characteristics Qualifier</b>	X	AN 2/2
			Code from an industry code list qualifying the type of service characteristics <b>See SI02 for the valid list of codes.</b>		
SI07	234		<b>Product/Service ID</b>	X	AN 1/48
			Identifying number for a product or service		
SI08	1000		<b>Service Characteristics Qualifier</b>	X	AN 2/2
			Code from an industry code list qualifying the type of service characteristics <b>See SI02 for the valid list of codes.</b>		
SI09	234		<b>Product/Service ID</b>	X	AN 1/48
			Identifying number for a product or service		
SI10	1000		<b>Service Characteristics Qualifier</b>	X	AN 2/2
			Code from an industry code list qualifying the type of service characteristics <b>See SI02 for the valid list of codes.</b>		
SI11	234		<b>Product/Service ID</b>	X	AN 1/48
			Identifying number for a product or service		
SI12	1000		<b>Service Characteristics Qualifier</b>	X	AN 2/2
			Code from an industry code list qualifying the type of service characteristics <b>See SI02 for the valid list of codes.</b>		
SI13	234		<b>Product/Service ID</b>	X	AN 1/48
			Identifying number for a product or service		
SI14	1000		<b>Service Characteristics Qualifier</b>	X	AN 2/2
			Code from an industry code list qualifying the type of service characteristics <b>See SI02 for the valid list of codes.</b>		
SI15	234		<b>Product/Service ID</b>	X	AN 1/48
			Identifying number for a product or service		
SI16	1000		<b>Service Characteristics Qualifier</b>	X	AN 2/2
			Code from an industry code list qualifying the type of service characteristics <b>See SI02 for the valid list of codes.</b>		
SI17	234		<b>Product/Service ID</b>	X	AN 1/48
			Identifying number for a product or service		
SI18	1000		<b>Service Characteristics Qualifier</b>	X	AN 2/2
			Code from an industry code list qualifying the type of service characteristics <b>See SI02 for the valid list of codes.</b>		
SI19	234		<b>Product/Service ID</b>	X	AN 1/48

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

<b>Segment:</b>	<b>PID</b> Product/Item Description
<b>Position:</b>	050
<b>Loop:</b>	PID Optional
<b>Level:</b>	Detail
<b>Usage:</b>	Optional
<b>Max Use:</b>	1
<b>Purpose:</b>	To describe a product or process in coded or free-form format
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If PID04 is present, then PID03 is required.</li> <li>2 At least one of PID04 or PID05 is required.</li> <li>3 If PID07 is present, then PID03 is required.</li> <li>4 If PID08 is present, then PID04 is required.</li> <li>5 If PID09 is present, then PID05 is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 Use PID03 to indicate the organization that publishes the code list being referred to.</li> <li>2 PID04 should be used for industry-specific product description codes.</li> <li>3 PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.</li> <li>4 PID09 is used to identify the language being used in PID05.</li> </ol>
<b>Comments:</b>	<ol style="list-style-type: none"> <li>1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.</li> <li>2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.</li> <li>3 PID07 specifies the individual code list of the agency specified in PID03.</li> </ol>

**Data Element Summary**

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

	<b>PID08</b>	<b>1073</b>	<b>Yes/No Condition or Response Code</b>	<b>O ID 1/1</b>
			Code indicating a Yes or No condition or response	
			<b>Not currently being utilized by BellSouth:</b>	
			<b>If</b>	
			<b>PID04 PID08</b>	
			<b>AI PGI: Pair Gain Indicator</b>	
			<b>AK OOR: Out of Range Indicator</b>	
			<b>AL NID: Network Interface Device</b>	
<b>Not Used</b>	<b>PID09</b>	<b>819</b>	<b>Language Code</b>	<b>O ID 2/3</b>
			Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)	

**Segment:** **REF** Reference Identification  
**Position:** 100  
**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**

Ref. Des.	Data Element	Name	Attributes
Must Use	REF01	128 Reference Identification Qualifier Code qualifying the Reference Identification <b>BellSouth valid codes:</b> 11 Account Number Number identifies a telecommunications industry account 9F Referral Number IX Item Number LI Line Item Identifier (Seller's) OW Service Order Number Number assigned when a customer orders service and equipment and which appears on bill	M ID 2/3
	REF02	127 Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier If REF01 REF03 REF02 9F NPORD: Number Portability Order Number 11 LEAN LEAN: Line Existing Account Number 11 LEATN LEATN: Line Existing Account Tele. No. IX DIDNUM DIDNUM: DID Reference No. IX DNUM DNUM: Disconnect Line Reference No. IX DLNUM DLNUM: Directory Listing Reference No. IX HNUM HNUM: Hunting Number IX LNUM LNUM: Line Number IX LNEK LNEK: Line Number Extention IX LOCNUM LOCNUM: Location Number LI ALI ALI: Alpha/Numeric Reference OW LORD L-ORD: Loop Order Number  Not currently being utilized by BellSouth: IX DELNUM DELNUM: Delivery Reference Number IX ERNUM ERNUM: Error Detail Reference Number UH DISC ORD: Disconnect Order Number	X AN 1/30

	REF03	352	Description	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
			<b>If</b>		
			<b>REF01 REF03</b>		
			<b>11 LEAN or LEATN</b>		
			<b>IX DIDNUM, DNUM, DLNUM, HNUM, LNUM, LNEX or LOCNUM</b>		
			<b>OW LORD</b>		
Not Used	REF04	C040	<b>Reference Identifier</b>	O	
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier		
Not Used	C04001	128	<b>Reference Identification Qualifier</b>	M	ID 2/3
			Code qualifying the Reference Identification		
Not Used	C04002	127	<b>Reference Identification</b>	M	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	C04003	128	<b>Reference Identification Qualifier</b>	X	ID 2/3
			Code qualifying the Reference Identification		
Not Used	C04004	127	<b>Reference Identification</b>	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	C04005	128	<b>Reference Identification Qualifier</b>	X	ID 2/3
			Code qualifying the Reference Identification		
Not Used	C04006	127	<b>Reference Identification</b>	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

**Segment:** **QTY** Quantity  
**Position:** 300  
**Loop:** QTY Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify quantity information  
**Syntax Notes:**  
 1 At least one of QTY02 or QTY04 is required.  
 2 Only one of QTY02 or QTY04 may be present.  
**Semantic Notes:**  
 1 QTY04 is used when the quantity is non-numeric.  
**Comments:**

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	QTY01	673	<b>Quantity Qualifier</b> Code specifying the type of quantity <b>BellSouth valid code:</b> FJ Trunked Channels	M ID 2/2
	QTY02	380	<b>Quantity</b> Numeric value of quantity <b>IF</b> QTY01 QTY02 FJ DTR: DID Trunk Quantity	X R 1/15
	QTY03	C001	<b>Composite Unit of Measure</b> To identify a composite unit of measure (See Figures Appendix for examples of use)	O
Must Use	C00101	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>BellSouth valid code:</b> EA Each	M ID 2/2
Not Used	C00102	1018	<b>Exponent</b> Power to which a unit is raised	O R 1/15
Not Used	C00103	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00104	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00105	1018	<b>Exponent</b> Power to which a unit is raised	O R 1/15
Not Used	C00106	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00107	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00108	1018	<b>Exponent</b> Power to which a unit is raised	O R 1/15
Not Used	C00109	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00110	355	<b>Unit or Basis for Measurement Code</b>	O ID 2/2

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			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00111	1018	<b>Exponent</b> Power to which a unit is raised	O R 1/15
Not Used	C00112	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00113	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00114	1018	<b>Exponent</b> Power to which a unit is raised	O R 1/15
Not Used	C00115	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	QTY04	61	<b>Free-Form Message</b> Free-form information	X AN 1/30



**Segment:** **N9** Reference Identification  
**Position:** 350  
**Loop:** N9 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier  
**Syntax Notes:**  
 1 At least one of N902 or N903 is required.  
 2 If N906 is present, then N905 is required.  
 3 If either C04003 or C04004 is present, then the other is required.  
 4 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:**  
 1 N906 reflects the time zone which the time reflects.  
 2 N907 contains data relating to the value cited in N902.  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Must Use</b>	N901	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification <b>BellSouth valid codes:</b> 82 Data Item Description (DID) Reference Specific data elements that the government will ask a contractor to provide and are spelled out in specific requirement documents	<b>M ID 2/3</b>
	N902	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <b>If</b> N901 N902 82 LISTNM, LISTADR, LTXTY, or WPP  <b>Not currently being utilized by BellSouth:</b> 1Q LECODE: Listing Error Code	<b>X AN 1/30</b>
	N903	369	<b>Free-form Description</b> Free-form descriptive text <b>If</b> N901 N902 N903 82 LTXTY LTXTY: Listing Text Type	<b>X AN 1/45</b>
<b>Not Used</b>	N904	373	<b>Date</b> Date expressed as CCYYMMDD	<b>O DT 8/8</b>
<b>Not Used</b>	N905	337	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	<b>X TM 4/8</b>
<b>Not Used</b>	N906	623	<b>Time Code</b> Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	<b>O ID 2/2</b>
	N907	C040	<b>Reference Identifier</b> To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	<b>O</b>

<b>Must Use</b>	<b>C04001</b>	<b>128</b>	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification <b>BellSouth valid code:</b> 55 Sequence Number	<b>M ID 2/3</b>
<b>Must Use</b>	<b>C04002</b>	<b>127</b>	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <b>If</b> N901 N902 N907 N907 (C040:1) (C040:2) 82 LTTY 55 LTXNUM: Line of Text Reference No.	<b>M AN 1/30</b>
<b>Not Used</b>	<b>C04003</b>	<b>128</b>	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	<b>X ID 2/3</b>
<b>Not Used</b>	<b>C04004</b>	<b>127</b>	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	<b>X AN 1/30</b>
<b>Not Used</b>	<b>C04005</b>	<b>128</b>	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	<b>X ID 2/3</b>
<b>Not Used</b>	<b>C04006</b>	<b>127</b>	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	<b>X AN 1/30</b>

**Segment:** **MSG** Message Text  
**Position:** 360  
**Loop:** N9 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1000  
**Purpose:** To provide a free-form format that allows the transmission of text information  
**Syntax Notes:** 1 If MSG03 is present, then MSG02 is required.  
**Semantic Notes:** 1 MSG03 is the number of lines to advance before printing.  
**Comments:** 1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.  
 2 If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	MSG01	933	Free-Form Message Text Free-form message text If N901 N902 MSG01 82 LISTNM LISTNM: Listed Name 82 LISTADR LISTADR Listed Address 82 LXTY LISTTEXT Listed Text 82 WPP WPP: White Page Products	M AN 1/264
			Not currently being utilized by BellSouth:	
			1Q LECODE LFIELD: Listing Error Field	
Not Used	MSG02	934	Printer Carriage Control Code	X ID 2/2 A field to be used for the control of the line feed of the receiving printer
Not Used	MSG03	1470	Number	O NO 1/9 A generic number

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

**Position:** 490

**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**

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

<b>Must Use</b>	<b>C00101</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>BellSouth valid code:</b> EA                  Each	<b>M</b>	<b>ID 2/2</b>
<b>Not Used</b>	<b>C00102</b>	<b>1018</b>	<b>Exponent</b> Power to which a unit is raised	<b>O</b>	<b>R 1/15</b>
<b>Not Used</b>	<b>C00103</b>	<b>649</b>	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	<b>O</b>	<b>R 1/10</b>
<b>Not Used</b>	<b>C00104</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	<b>O</b>	<b>ID 2/2</b>
<b>Not Used</b>	<b>C00105</b>	<b>1018</b>	<b>Exponent</b> Power to which a unit is raised	<b>O</b>	<b>R 1/15</b>
<b>Not Used</b>	<b>C00106</b>	<b>649</b>	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	<b>O</b>	<b>R 1/10</b>
<b>Not Used</b>	<b>C00107</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	<b>O</b>	<b>ID 2/2</b>
<b>Not Used</b>	<b>C00108</b>	<b>1018</b>	<b>Exponent</b> Power to which a unit is raised	<b>O</b>	<b>R 1/15</b>
<b>Not Used</b>	<b>C00109</b>	<b>649</b>	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	<b>O</b>	<b>R 1/10</b>
<b>Not Used</b>	<b>C00110</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	<b>O</b>	<b>ID 2/2</b>
<b>Not Used</b>	<b>C00111</b>	<b>1018</b>	<b>Exponent</b> Power to which a unit is raised	<b>O</b>	<b>R 1/15</b>
<b>Not Used</b>	<b>C00112</b>	<b>649</b>	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	<b>O</b>	<b>R 1/10</b>
<b>Not Used</b>	<b>C00113</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	<b>O</b>	<b>ID 2/2</b>
<b>Not Used</b>	<b>C00114</b>	<b>1018</b>	<b>Exponent</b> Power to which a unit is raised	<b>O</b>	<b>R 1/15</b>
<b>Not Used</b>	<b>C00115</b>	<b>649</b>	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	<b>O</b>	<b>R 1/10</b>
<b>Not Used</b>	<b>SLN06</b>	<b>212</b>	<b>Unit Price</b> Price per unit of product, service, commodity, etc.	<b>X</b>	<b>R 1/17</b>
<b>Not Used</b>	<b>SLN07</b>	<b>639</b>	<b>Basis of Unit Price Code</b> Code identifying the type of unit price for an item	<b>O</b>	<b>ID 2/2</b>
<b>Not Used</b>	<b>SLN08</b>	<b>662</b>	<b>Relationship Code</b> Code indicating the relationship between entities A                  Add D                  Delete I                  Included	<b>O</b>	<b>ID 1/1</b>
<b>Not Used</b>	<b>SLN09</b>	<b>235</b>	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	<b>X</b>	<b>ID 2/2</b>
<b>Not Used</b>	<b>SLN10</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service	<b>X</b>	<b>AN 1/48</b>

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

**Segment:** **SI** Service Characteristic Identification  
**Position:** 500  
**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>Must Use</u>	<u>Des.</u>	<u>Element</u>		
	SI01	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values <b>Bellsouth valid code:</b>	M ID 2/2
			TI Telecommunications Industry	
<b>Must Use</b>	SI02	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	M AN 2/2
			HT Hunting Telephone Number	
<b>Must Use</b>	SI03	234	<b>Product/Service ID</b> Identifying number for a product or service	M AN 1/48
			<b>If</b> SI02 SI03 HT HT: Hunting Telephone Number	
	SI04	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	X AN 2/2
	SI05	234	<b>Product/Service ID</b> Identifying number for a product or service	X AN 1/48
	SI06	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	X AN 2/2
	SI07	234	<b>Product/Service ID</b> Identifying number for a product or service	X AN 1/48
	SI08	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	X AN 2/2
	SI09	234	<b>Product/Service ID</b> Identifying number for a product or service	X AN 1/48
	SI10	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	X AN 2/2
	SI11	234	<b>Product/Service ID</b>	X AN 1/48

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		Identifying number for a product or service		
<b>S112</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>AN 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>S113</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/48</b>
		Identifying number for a product or service		
<b>S114</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>AN 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>S115</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/48</b>
		Identifying number for a product or service		
<b>S116</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>AN 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>S117</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/48</b>
		Identifying number for a product or service		
<b>S118</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>AN 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>S119</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/48</b>
		Identifying number for a product or service		
<b>S120</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>AN 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>S121</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/48</b>
		Identifying number for a product or service		



**Segment:** **N9** Reference Identification  
**Position:** 563  
**Loop:** N9 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier  
**Syntax Notes:**  
 1 At least one of N902 or N903 is required.  
 2 If N906 is present, then N905 is required.  
 3 If either C04003 or C04004 is present, then the other is required.  
 4 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:**  
 1 N906 reflects the time zone which the time reflects.  
 2 N907 contains data relating to the value cited in N902.  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N901	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification <b>BellSouth valid code:</b> 55 Sequence Number	M ID 2/3
	N902	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <b>If</b> N901 N903 N902 55 HTSEQ HTSEQ: Hunting Sequence	X AN 1/30
	N903	369	<b>Free-form Description</b> Free-form descriptive text <b>If</b> N901 N902 55 HTSEQ	X AN 1/45
Not Used	N904	373	<b>Date</b> Date expressed as CCYYMMDD	O DT 8/8
Not Used	N905	337	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X TM 4/8
Not Used	N906	623	<b>Time Code</b> Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	O ID 2/2
Not Used	N907	C040	<b>Reference Identifier</b> To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
Not Used	C04001	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	M ID 2/3
Not Used	C04002	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30

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Not Used	C04003	128	specified by the Reference Identification Qualifier <b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	X	ID 2/3
Not Used	C04004	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/30
Not Used	C04005	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	X	ID 2/3
Not Used	C04006	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/30

**Segment:** **CTT** Transaction Totals  
**Position:** 010  
**Loop:** CTT Mandatory  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To transmit a hash total for a specific element in the transaction set  
**Syntax Notes:** 1 If either CTT03 or CTT04 is present, then the other is required.  
 2 If either CTT05 or CTT06 is present, then the other is required.  
**Semantic Notes:**  
**Comments:** 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	CTT01	354	<b>Number of Line Items</b> Total number of line items in the transaction set	M N0 1/6
Not Used	CTT02	347	<b>Hash Total</b> Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.	O R 1/10
Not Used	CTT03	81	<b>Weight</b> Numeric value of weight	X R 1/10
Not Used	CTT04	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X ID 2/2
Not Used	CTT05	183	<b>Volume</b> Value of volumetric measure	X R 1/8
Not Used	CTT06	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X ID 2/2
Not Used	CTT07	352	<b>Description</b> A free-form description to clarify the related data elements and their content	O AN 1/80

**Segment:** **SE** Transaction Set Trailer  
**Position:** 030  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:** 1 SE is the last segment of each transaction set.

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element Name</u>	
Must Use	SE01	96 Number of Included Segments	M N0 1/10
		Total number of segments included in a transaction set including ST and SE segments	
Must Use	SE02	329 Transaction Set Control Number	M AN 4/9
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
		<b>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)</b>	





