

EXHIBIT OSS – 11
850 Purchase Order Transaction Set

850 Purchase Order

Functional Group ID=**PO**

Introduction:

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

Notes:

The following list is designed to assist the reader in interpreting these specifications:

1. Information customized for 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.)

BellSouth's usage of this transaction set for Local Exchange Ordering allows submission without Detail information. The 850 transaction set can contain Heading and Summary information only.

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	010	ST	Transaction Set Header	M	1		
Must Use	020	BEG	Beginning Segment for Purchase Order	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	5		
Not Used	115	TC2	Commodity	O	>1		
			LOOP ID - SAC			25	
	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	>1	
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	nl
	185	SI	Service Characteristic Identification	O	>1	
	190	PID	Product/Item Description	O	200	
Not Used	200	MEA	Measurements	O	40	
	210	PWK	Paperwork	O	25	
Not Used	220	PKG	Marking, Packaging, Loading	O	200	
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	276	PCT	Percent Amounts	O	>1	
Not Used	280	CTB	Restrictions/Conditions	O	5	
	285	TXI	Tax Information	O	>1	
LOOP ID - AMT						>1
Not Used	287	AMT	Monetary Amount	O	1	
Not Used	289	REF	Reference Identification	O	>1	
Not Used	290	DTM	Date/Time Reference	O	1	
Not Used	292	PCT	Percent Amounts	O	>1	
LOOP ID - FA1						>1
Not Used	293	FA1	Type of Financial Accounting Data	O	1	
Not Used	294	FA2	Accounting Data	M	>1	
LOOP ID - N9						1000
	295	N9	Reference Identification	O	1	
Not Used	297	DTM	Date/Time Reference	O	>1	
	300	MSG	Message Text	O	1000	
LOOP ID - N1						200
	310	N1	Name	O	1	
	320	N2	Additional Name Information	O	2	
	330	N3	Address Information	O	2	
	340	N4	Geographic Location	O	>1	
	345	NX2	Location ID Component	O	>1	
	350	REF	Reference Identification	O	12	
	360	PER	Administrative Communications Contact	O	>1	
Not Used	365	SI	Service Characteristic Identification	O	>1	
Not Used	370	FOB	F.O.B. Related Instructions	O	1	
Not Used	380	TD1	Carrier Details (Quantity and Weight)	O	2	
Not Used	390	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	400	TD3	Carrier Details (Equipment)	O	12	

Not Used	410	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
Not Used	420	PKG	Marking, Packaging, Loading	O	200
LOOP ID - LM					>1
Not Used	430	LM	Code Source Information	O	1
Not Used	440	LQ	Industry Code	M	>1
LOOP ID - SPI					>1
Not Used	450	SPI	Specification Identifier	O	1
Not Used	460	REF	Reference Identification	O	5
Not Used	470	DTM	Date/Time Reference	O	5
Not Used	480	MSG	Message Text	O	50
LOOP ID - N1					20
Not Used	490	N1	Name	O	1
Not Used	500	N2	Additional Name Information	O	2
Not Used	510	N3	Address Information	O	2
Not Used	520	N4	Geographic Location	O	1
Not Used	530	REF	Reference Identification	O	20
Not Used	540	G61	Contact	O	1
Not Used	550	MSG	Message Text	O	50
LOOP ID - CBI					>1
Not Used	560	CBI	Contract and Cost Accounting Standards Data	O	1
Not Used	570	REF	Reference Identification	O	20
Not Used	580	DTM	Date/Time Reference	O	5
Not Used	590	LDT	Lead Time	O	1
Not Used	600	MSG	Message Text	O	50
LOOP ID - ADV					>1
Not Used	610	ADV	Advertising Demographic Information	O	1
Not Used	620	DTM	Date/Time Reference	O	>1
Not Used	630	MTX	Text	O	>1

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
			LOOP ID - PO1			100000	
Must Use	010	PO1	Baseline Item Data	M	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	025	CN1	Contract Information	O	1		
Not Used	030	PO3	Additional Item Detail	O	25		
LOOP ID - CTP						>1	
Not Used	040	CTP	Pricing Information	O	1		
Not Used	043	CUR	Currency	O	1		
Not Used	045	PAM	Period Amount	O	10		
Not Used	049	MEA	Measurements	O	40		

		LOOP ID - PID			1000
	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
		LOOP ID - SAC			25
Not Used	130	SAC	Service, Promotion, Allowance, or Charge Information	O	1
Not Used	135	CUR	Currency	O	1
Not Used	137	CTP	Pricing Information	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	IT3	Additional Item Data	O	5
	210	DTM	Date/Time Reference	O	10
Not Used	235	TC2	Commodity	O	>1
Not Used	240	TD1	Carrier Details (Quantity and Weight)	O	1
Not Used	250	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
Not Used	260	TD3	Carrier Details (Equipment)	O	12
Not Used	270	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
Not Used	276	PCT	Percent Amounts	O	>1
Not Used	280	MAN	Marks and Numbers	O	10
Not Used	289	MSG	Message Text	O	>1
Not Used	290	SPI	Specification Identifier	O	>1
Not Used	291	TXI	Tax Information	O	>1
Not Used	292	CTB	Restrictions/Conditions	O	>1
		LOOP ID - QTY			>1
	293	QTY	Quantity	O	1
Not Used	294	SI	Service Characteristic Identification	O	>1
		LOOP ID - SCH			200
Not Used	295	SCH	Line Item Schedule	O	1 n3
Not Used	296	TD1	Carrier Details (Quantity and Weight)	O	2
Not Used	297	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
Not Used	298	TD3	Carrier Details (Equipment)	O	12
Not Used	299	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
Not Used	300	REF	Reference Identification	O	>1
		LOOP ID - PKG			200

Not Used	305	PKG	Marking, Packaging, Loading	O	1
Not Used	310	MEA	Measurements	O	>1
Not Used	320	LS	Loop Header	O	1
LOOP ID - LDT					>1
Not Used	321	LDT	Lead Time	O	1
Not Used	322	QTY	Quantity	O	>1
Not Used	323	MSG	Message Text	O	1
Not Used	324	REF	Reference Identification	O	3
LOOP ID - LM					>1
Not Used	325	LM	Code Source Information	O	1
Not Used	326	LQ	Industry Code	M	>1
Not Used	327	LE	Loop Trailer	O	1
LOOP ID - N9					1000
	330	N9	Reference Identification	O	1
Not Used	332	DTM	Date/Time Reference	O	>1
Not Used	335	MEA	Measurements	O	40
	340	MSG	Message Text	O	1000
LOOP ID - N1					200
	350	N1	Name	O	1
Not Used	360	N2	Additional Name Information	O	2
Not Used	370	N3	Address Information	O	2
	380	N4	Geographic Location	O	1
Not Used	383	QTY	Quantity	O	>1
	385	NX2	Location ID Component	O	>1
	390	REF	Reference Identification	O	12
	400	PER	Administrative Communications Contact	O	3
	405	SI	Service Characteristic Identification	O	>1
Not Used	406	DTM	Date/Time Reference	O	1
Not Used	410	FOB	F.O.B. Related Instructions	O	1
Not Used	415	SCH	Line Item Schedule	O	200
Not Used	420	TD1	Carrier Details (Quantity and Weight)	O	2
Not Used	430	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
Not Used	440	TD3	Carrier Details (Equipment)	O	12
Not Used	450	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
Not Used	460	PKG	Marking, Packaging, Loading	O	200
LOOP ID - LDT					>1
Not Used	462	LDT	Lead Time	O	1
Not Used	464	MAN	Marks and Numbers	O	10
Not Used	466	QTY	Quantity	O	5
Not Used	468	MSG	Message Text	O	1
Not Used	469	REF	Reference Identification	O	3
LOOP ID - SLN					1000
	470	SLN	Subline Item Detail	O	1
Not Used	475	MSG	Message Text	O	>1

	480	SI	Service Characteristic Identification	O	>1
Not Used	490	PID	Product/Item Description	O	1000
Not Used	500	PO3	Additional Item Detail	O	104
Not Used	505	TC2	Commodity	O	>1
Not Used	513	ADV	Advertising Demographic Information	O	>1
Not Used	515	DTM	Date/Time Reference	O	10
Not Used	516	CTP	Pricing Information	O	25
Not Used	517	PAM	Period Amount	O	10
Not Used	518	PO4	Item Physical Details	O	1
Not Used	519	TAX	Tax Reference	O	3
LOOP ID - N9					>1
	523	N9	Reference Identification	O	1
Not Used	524	DTM	Date/Time Reference	O	>1
	525	MSG	Message Text	O	>1
LOOP ID - SAC					25
Not Used	526	SAC	Service, Promotion, Allowance, or Charge Information	O	1
Not Used	527	CUR	Currency	O	1
Not Used	528	CTP	Pricing Information	O	1
LOOP ID - QTY					>1
	529	QTY	Quantity	O	1
Not Used	530	SI	Service Characteristic Identification	O	>1
LOOP ID - N1					10
	535	N1	Name	O	1
Not Used	540	N2	Additional Name Information	O	2
Not Used	550	N3	Address Information	O	2
Not Used	560	N4	Geographic Location	O	1
Not Used	570	NX2	Location ID Component	O	>1
	580	REF	Reference Identification	O	12
Not Used	590	PER	Administrative Communications Contact	O	3
Not Used	595	SI	Service Characteristic Identification	O	>1
LOOP ID - AMT					>1
Not Used	600	AMT	Monetary Amount	O	1
Not Used	610	REF	Reference Identification	O	1
Not Used	612	PCT	Percent Amounts	O	>1
LOOP ID - LM					>1
Not Used	620	LM	Code Source Information	O	1
Not Used	630	LQ	Industry Code	M	>1

Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - CTT							1
Must Use	010	CTT	Transaction Totals	M	1		n4
Not Used	020	AMT	Monetary Amount	O	1		n5

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. The SCH segment is used to specify various quantities of items ordered that are to be scheduled. When this segment is used the unit of measurement code (SCH02) should always be identical to the unit of measurement code in the associated PO1 segment (PO103) and the sum of values of quantity (SCH01) should always equal the quantity ordered (PO102) in the PO1 segment.
4. The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.
5. If AMT is used in the summary area, then AMT01 will = TT and AMT02 will indicate total transaction amount as calculated by the sender.

Segment: **ST** Transaction Set Header
Position: 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	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 850 Purchase Order	M ID 3/3
Must Use	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set The value of the data element in ST02 in the Transaction Set Header (ST) must match the value of this same data element in SE02 in the Transaction Set Trailer (SE).	M AN 4/9

Segment: **BEG** Beginning Segment for Purchase Order
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates

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

Data Element Summary

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

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

Ref. Des.	Data Element	Name	Attributes
Must Use	REF01	128 Reference Identification Qualifier Code qualifying the Reference Identification BellSouth valid codes:	M ID 2/3
		11 Account Number Number identifies a telecommunications industry account	
		12 Billing Account Account number under which billing is rendered	
		1V Related Vendor Order Number A vendor's order number that is in addition to a primary order number	
		4N Special Payment Reference Number	
		CO Customer Order Number	
		IX Item Number	
		JB Job (Project) Number	
		OW Service Order Number Number assigned when a customer orders service and equipment and which appears on bill	
	REF02	127 Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier If	X AN 1/30
		REF01 REF03 REF02	
		11 AN AN: Account No.	
		11 ATN ATN: Account Telephone No.	
		12 BAN1 BAN1: Billing Account No. 1	
		12 BAN2 BAN2: Billing Account No. 2	
		1V RORD RORD: Related Order No.	
		4N BI1 BI1: Billing Acct. No. Identifier 1	
		4N BI2 BI2: Billing Acct. No. Identifier 2	
		CO RPON RPON: Related Purchase Order No.	
		IX RESID RESID: Response Identifier	
		JB PROJECT PROJECT: Project Identification	
		OW ORD ORD: Order Number	
		Not currently being utilized by BellSouth:	
		12 DBAN1 DBAN1: Dir. Billing Account No. 1	

			12	DBAN2	DBAN2: Dir. Billing Account No. 2		
			1V	DLRORD	DLRORD: Dir. Listing Related Order No.		
			1V	DARORD	DARORD: Dir. Assist. Related Order No.		
			3H		CNO: LSOG Inquiry Case No.		
			4N	DBI1	DBI1: Dir. Bill Acct. No. Identifier 1		
			4N	DBI2	DBI2: Dir. Bill Acct. No. Identifier 2		
			BB		LSPAN: Local Svc. Provider Auth. No.		
			CO	DRPON	DRPON: Dir. Related Purch. Order No.		
			KL		EBF: Extended Billing Plan		
			OW	DLORD	DLORD: Dir. Listing Order Number		
			OW	DAORD	DAORD: Dir. Assistance Order Number		
			SU	RTR	RTR: Response Type Requested		
	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 or ATN		
				12	BAN1 or BAN2		
				1V	RORD		
				4N	BI1 or BI2		
				CO	RPON		
				IX	RESID		
				OW	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:

Notes:

This data segment is currently not being utilized by BellSouth.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named Not currently being utilized by BellSouth: DA Directory Advertising Contact Service Provider contact for questions about, and changes to, directory advertising	M ID 2/2
	PER02	93	Name Free-form name Not currently being utilized by BellSouth: If PER01 PER02 DA ADVCONT: Advertising Contact	O AN 1/60
	PER03	365	Communication Number Qualifier Code identifying the type of communication number Not currently being utilized by BellSouth: TE Telephone	X ID 2/2
	PER04	364	Communication Number Complete communications number including country or area code when applicable Not currently being utilized by BellSouth: If PER01 PER03 PER04 DA TE ADVCONT-TN: Advertising Contact Tele. No.	X AN 1/80
Not Used	PER05	365	Communication Number Qualifier Code identifying the type of communication number	X ID 2/2
Not Used	PER06	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80
Not Used	PER07	365	Communication Number Qualifier Code identifying the type of communication number	X ID 2/2

Not Used	PER08	364	Communication Number	X AN 1/80
			Complete communications number including country or area code when applicable	
Not Used	PER09	443	Contact Inquiry Reference	O AN 1/20
			Additional reference number or description to clarify a contact number	

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:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
PAM01	673	Quantity Qualifier	X ID 2/2
		Code specifying the type of quantity	
		BellSouth valid codes:	
		63 On Order Quantity	
		KC Net Quantity Decrease	
		The resultant quantity represents a net decrease to a previously transmitted quantity, after adjustments have been made	
		OC Order Count	
		QO Operating Quantity	
		QP Quantity by Position	
		QU Quantity Serviced	
		T5 Total Number of Units	
PAM02	380	Quantity	X R 1/15
		Numeric value of quantity	
		IF	
		PAM01 PAM02	
		63 LQTY: Loop Quantity	
		KC DQTY: Disconnect Quantity	
		OC NPQTY: Number Portability Quantity	
		QO RSQTY: Resale Quantity	
		QP PQTY: Port Quantity	
		QU HTQTY: Hunt Quantity	
		T5 LOCQTY: Location Quantity	
		Not currently being utilized by BellSouth:	
		BH DDQTY: Delivery Segments (Addresses) Quantity	
		GZ DLQTY: Directory Listings Quantity	

			SF	SQTY: Service Address Quantity	
	PAM03	C001		Composite Unit of Measure	X
				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	
				BellSouth valid code:	
				EA Each	
Not Used	C00102	1018		Exponent	O R 1/15
				Power to which a unit is raised	
Not Used	C00103	649		Multiplier	O R 1/10
				Value to be used as a multiplier to obtain a new value	
Not Used	C00104	355		Unit or Basis for Measurement Code	O ID 2/2
				Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00105	1018		Exponent	O R 1/15
				Power to which a unit is raised	
Not Used	C00106	649		Multiplier	O R 1/10
				Value to be used as a multiplier to obtain a new value	
Not Used	C00107	355		Unit or Basis for Measurement Code	O ID 2/2
				Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00108	1018		Exponent	O R 1/15
				Power to which a unit is raised	
Not Used	C00109	649		Multiplier	O R 1/10
				Value to be used as a multiplier to obtain a new value	
Not Used	C00110	355		Unit or Basis for Measurement Code	O ID 2/2
				Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00111	1018		Exponent	O R 1/15
				Power to which a unit is raised	
Not Used	C00112	649		Multiplier	O R 1/10
				Value to be used as a multiplier to obtain a new value	
Not Used	C00113	355		Unit or Basis for Measurement Code	O ID 2/2
				Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00114	1018		Exponent	O R 1/15
				Power to which a unit is raised	
Not Used	C00115	649		Multiplier	O R 1/10
				Value to be used as a multiplier to obtain a new value	
Not Used	PAM04	522		Amount Qualifier Code	X ID 1/3
				Code to qualify amount	
Not Used	PAM05	782		Monetary Amount	X R 1/18
				Monetary amount	
Not Used	PAM06	344		Unit of Time Period or Interval	X ID 2/2
				Code indicating the time period or interval	
Not Used	PAM07	374		Date/Time Qualifier	X ID 3/3
				Code specifying type of date or time, or both date and time	
Not Used	PAM08	373		Date	X DT 8/8
				Date expressed as CCYYMMDD	
Not Used	PAM09	337		Time	X TM 4/8

			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99).		
Not Used	PAM10	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	X	ID 3/3
Not Used	PAM11	373	Date Date expressed as CCYYMMDD	X	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)	X	TM 4/8
Not Used	PAM13	1004	Percent Qualifier Code to qualify percent	X	ID 1/2
Not Used	PAM14	954	Percent Percentage expressed as a decimal	X	R 1/10
Not Used	PAM15	1073	Yes/No Condition or Response Code Code indicating a Yes or No condition or response	O	ID 1/1

Segment: SAC Service, Promotion, Allowance, or Charge Information

Position: 120
Loop: SAC Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose:

To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

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

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

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

Data Element Summary

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

	SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code	X	AN 1/10
			Agency maintained code identifying the service, promotion, allowance, or charge		
			BellSouth valid codes:		
			EXP Expedited Service		
			OAC Overtime Loading/Additional Labor		
			VT Variable Term Contract Pricing Plan		
Not Used	SAC05	610	Amount	O	N2 1/15
			Monetary amount		
Not Used	SAC06	378	Allowance/Charge Percent Qualifier	X	ID 1/1
			Code indicating on what basis allowance or charge percent is calculated		
Not Used	SAC07	332	Percent	X	R 1/6
			Percent expressed as a percent		
Not Used	SAC08	118	Rate	O	R 1/9
			Rate expressed in the standard monetary denomination for the currency specified		
Not Used	SAC09	355	Unit or Basis for Measurement Code	X	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	SAC10	380	Quantity	X	R 1/15
			Numeric value of quantity		
Not Used	SAC11	380	Quantity	O	R 1/15
			Numeric value of quantity		
Not Used	SAC12	331	Allowance or Charge Method of Handling Code	O	ID 2/2
			Code indicating method of handling for an allowance or charge		
Not Used	SAC13	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	SAC14	770	Option Number	O	AN 1/20
			A unique number identifying available promotion or allowance options when more than one is offered		
	SAC15	352	Description	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
			If		
	SAC04	SAC15			
	EXP	EXP: Expedited Service			
	OAC	ALBR: Overtime Loading/Additional Labor			
	VT	VTA: Variable Term Agreement			
			Not currently being utilized in BellSouth:		
	EEH	AENG: Engineering Charge			
Not Used	SAC16	819	Language Code	O	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: 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

Ref. Des.	Data Element	Name	Attributes
Must Use	DTM01	374 Date/Time Qualifier Code specifying type of date or time, or both date and time BellSouth valid codes: 097 Transaction Creation 150 Service Period Start 151 Service Period End 201 Acceptance 270 Date Filed 992 Date Requested	M ID 3/3
	DTM02	373 Date Date expressed as CCYYMMDD If DTM01 DTM02 097 D/SENT: Date Sent 150 DDD: Desired Due Date 151 DDDO: Desired Due Date Out 201 LSP AUTHDATE: Local Svc. Prov. Authorztn. Date 270 DATED: Date of Agency Authorization Not currently being utilized in BellSouth: 007 EBD: Effective Bill Date or 007 DEBD: Directory Effective Bill Date 150 EDD: Expected Due Date 151 EDDO: Expected Due Date Out 243 SCD: Service Completion Date	X 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) Not currently being utilized by BellSouth: Time portion of CD/SENT (CD/TSENT)	X TM 4/8
Not Used	DTM04	623 Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	O ID 2/2

DTM05	1250	Date Time Period Format Qualifier	X ID 2/3
		Code indicating the date format, time format, or date and time format	
		BellSouth valid codes:	
		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
DTM06	1251	Date Time Period	X AN 1/35
		Expression of a date, a time, or range of dates, times or dates and times	
		If	
		DTM01	DTM05
		150	RTM
			DTM06
			APPTIME-DDD: Appointment Time DDD (range only)
		992	TM/RTM
			DFDT: Desired Frame Due Time
		Not currently being utilized in BellSouth:	
		151	TM/RTM
			APPTIME: Appointment Time DDDO
		992	TM/RTM
			DADT: Desired Assistance Due Time

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

	<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 BellSouth valid code: 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 BellSouth valid codes: AA Account Activity Code AD Address Activity Code IB ISDN Basic Rate Interface (BRI) Type IW Inside Wire Option LO Local Exchange Carrier Serving Office Code LS Local Serving Office NC Network Channel Code NI Network Channel Interface Code NJ Secondary Network Channel Interface Code OP Working Service on Premise PB Pot Bay Type PW Port Type RE Requisition Type SS Service Sub-category Code TP Telecommunications Provider Office TY Type of Service UC Basic Class of Service	M AN 2/2

Must Use	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service If DE1000 DE234 AA ACT: Activity Type AD AACT: Address Activity IB IBT: ISDN BRI Type IW IWO: Inside Wiring Options LO LST: Local Service Termination LS LSO: Local Serving Office NC NC: Network Channel Code NI NCI: Network Channel Interface Code NJ SECNCI: Secondary NCI OP WSOP: Working Service on Premise PB PBT: Pot Bay Type PW PORTTYP: Port Type RE REQTYP: Requisition Type and Status SS SPEC: Service and Product Enhancement Code TP SC: Service Center TY TOS: Type of Service UC BCS: Basic Class of Service Not currently being utilized by BellSouth: CP CHANNEL: Channel Type IX IWBAN: Inside Wire Bill Account Number PK PPTN: Previous Provider Telephone Number TO SC2: Svc. Ctr. (NSP's Dir. Assist. Listings) TU SC1: Service Center (Directory Listings)		
	SI04	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics See SI02 for the list of valid codes.	X	AN 2/2
	SI05	234	Product/Service ID Identifying number for a product or service See SI03 for the list of valid entries.	X	AN 1/48
	SI06	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics See SI02 for the list of valid codes.	X	AN 2/2
	SI07	234	Product/Service ID Identifying number for a product or service See SI03 for the list of valid entries.	X	AN 1/48
	SI08	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics See SI02 for the list of valid codes.	X	AN 2/2
	SI09	234	Product/Service ID Identifying number for a product or service See SI03 for the list of valid entries.	X	AN 1/48
	SI10	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics See SI02 for the list of valid codes.	X	AN 2/2
	SI11	234	Product/Service ID Identifying number for a product or service See SI03 for the list of valid entries.	X	AN 1/48

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

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

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
Must Use	PID01	349	Item Description Type Code indicating the format of a description BellSouth valid code: S Structured (From Industry Code List)	M ID 1/1
Not Used	PID02	750	Product/Process Characteristic Code Code identifying the general class of a product or process characteristic	O ID 2/3
	PID03	559	Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry	X ID 2/2
	PID04	751	Product Description Code A code from an industry code list which provides specific data about a product characteristic BellSouth valid codes: AF End User is Moving AH Coordinated Hot Cut is Requested AN Special Construction is Pre-Authorized AO Agency Authorization AP Additional Direct Point of Termination Indicator BI Final Bill Information Indicator BP End User Retains Listing	X AN 1/12
	PID05	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80

Not Used	PID06	752	Surface/Layer/Position Code	O ID 2/2
			Code indicating the product surface, layer or position that is being described	
	PID07	822	Source Subqualifier	O 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 ID 1/1
			Code indicating a Yes or No condition or response	
			If	
			PID04 PID07 PID08	
			AF SO-RSQ EUMI: End User Moving Indicator	
			AH SO-RSQ CHC: Coordinated Hot Cut	
			AN SO-RSQ SCA: Special Construction Authorztn.	
			AO SO-RSQ AGAUTH: Agency Authorization Status	
			AP SO-RSQ AI: Add'l. Point of Termination Ind.	
			EDI Y = OBF C(CLLI)	
			EDI N = OBF N (Narrative)	
			BI SO-RSQ FBI: Final Bill Indicator	
			EDI Y = OBF D(Different)	
			EDI N = OBF E(Existing)	
			BP SO-RSQ ERL: End User Retaining Listing	
			Not currently being utilized in BellSouth:	
			AH SO-RSQ DCHC: Directory Assistance CHC	
			AQ SO-RSQ EA: Existing Advertising	
			BN SO-RSQ NRI: Negotiated Rate Indicator	
			BE,BF,BG,GH AFO: Additional Forms	
Not Used	PID09	819	Language Code	O ID 2/3
			Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)	

Segment: **PWK** Paperwork
Position: 210
Loop:
Level: Heading
Usage: Optional
Max Use: 25
Purpose: To identify the type or transmission or both of paperwork or supporting information
Syntax Notes: 1 If either PWK05 or PWK06 is present, then the other is required.
Semantic Notes:
Comments: 1 PWK05 and PWK06 may be used to identify the addressee by a code number.
 2 PWK07 may be used to indicate special information to be shown on the specified report.
 3 PWK08 may be used to indicate action pertaining to a report.

Data Element Summary

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

Segment: **TXI** Tax Information
Position: 285
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify tax information
Syntax Notes:

- 1 At least one of TXI02 TXI03 or TXI06 is required.
- 2 If either TXI04 or TXI05 is present, then the other is required.
- 3 If TXI08 is present, then TXI03 is required.

Semantic Notes:

- 1 TXI02 is the monetary amount of the tax.
- 2 TXI03 is the tax percent expressed as a decimal.
- 3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

Comments:
Notes: **This data segment is currently not being utilized by BellSouth.**

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	TXI01	963 Tax Type Code Code specifying the type of tax Not currently being utilized by BellSouth: TE: Tax Exemption code	M ID 2/2
Not Used	TXI02	782 Monetary Amount Monetary amount	X R 1/18
	TXI03	954 Percent Percentage expressed as a decimal	X R 1/10
	TXI04	955 Tax Jurisdiction Code Qualifier Code identifying the source of the data used in tax jurisdiction code	X ID 2/2
	TXI05	956 Tax Jurisdiction Code Code identifying the taxing jurisdiction	X AN 1/10
	TXI06	441 Tax Exempt Code Code identifying exemption status from sales and use tax Not currently being utilized by BellSouth: TE: Tax Exemption code DTE: Directory Tax Exemption code	X ID 1/1
Not Used	TXI07	662 Relationship Code Code indicating the relationship between entities	O ID 1/1
Not Used	TXI08	828 Dollar Basis For Percent Dollar basis to be used in the percent calculation of the allowance, charge or tax	O R 1/9
	TXI09	325 Tax Identification Number Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number	O AN 1/20
Not Used	TXI10	350 Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	O AN 1/20

Segment: **N9 Reference Identification**
Position: 295
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	Reference Identification Qualifier Code qualifying the Reference Identification BellSouth valid code: L1 Letters or Notes Non retained	M ID 2/3
	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier BellSouth valid codes: ACC Access Instructions LOC Location Instructions ORI Order Instructions	X AN 1/30
	N903	369	Free-form Description Free-form descriptive text If N901 N903 L1 LSR or EU	X AN 1/45
Not Used	N904	373	Date Date expressed as CCYYMMDD	O DT 8/8
Not Used	N905	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X TM 4/8
Not Used	N906	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	O 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
Not Used	C04001	128	Reference Identification Qualifier	M ID 2/3

Not Used	C04002	127	Reference Identification Code qualifying the Reference Identification 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	Reference Identification Qualifier Code qualifying the Reference Identification	X	ID 2/3
Not Used	C04004	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/30
Not Used	C04005	128	Reference Identification Qualifier Code qualifying the Reference Identification	X	ID 2/3
Not Used	C04006	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/30

Segment: **MSG** Message Text
Position: 300
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>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	MSG01	933	Free-Form Message Text Free-form message text If N901 N902 N903 MSG01 L1 ORI LSR REMARKS: Order Instructions L1 ACC EU ACC: Access Information L1 LOC EU SADLO: Svc. Addr. Descr. Location Not currently being utilized in BellSouth: H7 ORI LSR REMARKS: Order Instructions L1/H7 ORI LS REMARKS: Order Instructions L1/H7 ORI EU REMARKS: Order Instructions L1/H7 ORI DID REMARKS: Order Instructions L1 ORI DL REMARKS: Order Instructions L1 ORI DSR REMARKS: Order Instructions	M AN 1/264
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: 310
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	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		BellSouth valid codes:	
		78 Service Requester	
		AN Authorized From	
		A geographic location designated as an authorized pick-up or origin point for a shipment	
		BT Bill-to-Party	
		BY Buying Party (Purchaser)	
		DG Design Engineering	
		Identifies the design engineer or office of the design engineer who will receive design specifications	
		IT Installation on Site	
		NN Network Name	
		Identifies the name of the telecommunications network, e.g., Envoy	
		SE Selling Party	
		X1 Mail to	
		An address to which a specified item is to be mailed	
N102	93	Name	X AN 1/60
		Free-form name	
		If	
		N101 N102	
		78 CCNA: Customer Carrier Name Abbreviation	
		AN AUTHNM: Authorization Name	
		DG DSGCON: Design/Engineering Contact	
		IT NAME-EU: End User	
		SE LSP AUTHNAME: Local Svc. Provider	
		Authorization Name	
		X1 BILLNM-FB: Final Billing Name	
		NN NNSP	
		If	
		N101 N103 N104 N102	

BY 25 CC value CUST: Customer Name

Not currently being utilized in BellSouth:

N101 N102

BT BILLNM: Billing Name

SO DBILLNM: Directory Billing Name

VG DINIT: Directory Initiator Identification

ZE CPE MFR: Customer Premise Equipment Mfr.

N103 66 Identification Code Qualifier X ID 1/2

Code designating the system/method of code structure used for Identification Code (67)

BellSouth valid codes:

- 25 Carrier's Customer Code
- 41 Telecommunications Carrier Identification Code
Identifies the Interexchange carrier for the charges being billed
- 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
- 92 Assigned by Buyer or Buyer's Agent

N104 67 Identification Code X AN 2/80

Code identifying a party or other code

If

N101 N102 N103 N104

78 41 CIC: Carrier Identification Code

BY 25 CC: Company Code

SE 41 LSP AUTH: LSP Authorization

BT 92 ACNA: Access Customer Name Abbrev.

NN NNSP 42 NNSP: New Netwrk Svc. Provider ID (LNP)

Not Used N105 706 Entity Relationship Code O ID 2/2

Code describing entity relationship

Not Used N106 98 Entity Identifier Code O ID 2/3

Code identifying an organizational entity, a physical location, property or an individual

Segment: **N2** Additional Name Information
Position: 320
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
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	N201	93	Name Free-form name If N101 N201 X1 SBILLNM-FB: Final Bill Secondary Billing Name	M AN 1/60
			Not currently being utilized in BellSouth: BT SBILLNM: Secondary Billing Name SO DSBILLNM: Directory Secondary Billing Name	
Not Used	N202	93	Name Free-form name	O AN 1/60

Segment: **N3** Address Information
Position: 330
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N301	166	Address Information Address information If N101 N301 78 STREET-INIT: Initiator Street Address DG STREET-DSGCON: Design/Engrg. Street Address X1 STREET-FB: Final Bill Street Address Not currently being utilized in BellSouth: BT STREET-BILLNM: Billing Name Street Address SO DSTREET-BILLNM: Dir. Billing Street Address VG DSTREET-INIT: Dir. Initiator Street Address	M AN 1/55
Not Used	N302	166	Address Information Address information	O AN 1/55

Segment: **N4** Geographic Location
Position: 340
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 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 If N101 N401 78 CITY-INIT: Initiator City DG CITY-DSGCON: Design/Engineering City IT CITY-EU: End User City X1 CITY-FB: Final Bill City Not currently being utilized by BellSouth: BT CITY-BILLNM: Billing Name City SO DCITY-BILLNM: Directory Billing Name City VG DCITY-INIT: Directory Initiator City	O AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency If N101 N402 78 STATE-INIT: Initiator State DG STATE-DSGCON: Design/Engineering State IT STATE-EU: End User State X1 STATE-FB: Final Bill State Not currently being utilized by BellSouth: BT STATE-BILLNM: Billing Name State SO DSTATE-BILLNM: Directory Billing Name State VG DSTATE-INIT: Directory Initiator State	O ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States) If N101 N403 78 ZIPCODE-INIT: Initiator Zip Code DG ZIPCODE-DSGCON: Design/Engrg. Zip Code IT ZIPCODE-EU: End User Zip Code X1 ZIPCODE-FB: Final Bill Zip Code Not currently being utilized by BellSouth: BT ZIPCODE-BILLNM: Billing Name Zip Code SO DZIPCODE-BILLNM: Dir. Billing Name Zip Code VG DZIPCODE-INIT: Directory Initiator Zip Code	O ID 3/15

Not Used	N404	26	Country Code Code identifying the country	O	ID 2/3
Not Used	N405	309	Location Qualifier Code identifying type of location	X	ID 1/2
Not Used	N406	310	Location Identifier Code which identifies a specific location	O	AN 1/30

Segment: **NX2** Location ID Component
Position: 345
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To define types and values of a geographic location
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	NX201	1106	Address Component Qualifier Code qualifying the type of address component BellSouth valid codes:	M ID 2/2
			01 Street Number	
			02 Street Name	
			03 Prefix Direction	
			12 Building Name	
			32 Floor	
			A particular floor or level of a building	
			35 Room	
			A walled room or partitioned area of a building	
			40 Street Suffix	
			61 Street Number Fraction	
			62 Street Name Suffix	
			90 Access Customer Terminal Location (ACTL)	
			91 Additional Point of Termination (APOT)	
Must Use	NX202	166	Address Information Address information If N101 NX201 NX202	M AN 1/55
			78 32 FLOOR-INIT: Initiator Floor	
			78 35 ROOM/MAILSTOP-INIT: Initiator Room	
			78 90 ACTL: Access Customer Terminal Location	
			78 91 APOT: Additional Point of Termination	
			DG 32 FLOOR-DSGCON: Desgn/Engrg. Floor	
			DG 35 ROOM/MAILSTOP-DSGCON: Design/Engrg. Room	
			IT 12 BLDG-EU: End User Building	
			IT 32 FLOOR-EU: End User Floor	
			IT 35 ROOM-EU: End User Room	
			IT 01 SANO: Service Address House Number	
			IT 61 SASF: Service Address House Number Suffix	
			IT 03 SASD: Service Address Street Directional	
			IT 02 SASN: Service Address Street Name	
			IT 62 SATH: Service Address Thoroughfare	
			IT 40 SASS: Service Address Street Suffix	
			X1 32 FLOOR-FB: Final Bill Floor	
			X1 35 ROOM-FB: Final Bill Room	

Not currently being utilized in BellSouth:

BT 32 FLOOR-BILLNM: Billing Name Floor
BT 35 ROOM-BILLNM: Billing Name Room
IT 59 SAPR: Service Address House
Number Prefix
SO 32 DFLOOR-BILLNM: Dir. Billing Floor
SO 35 DROOM-BILLNM: Dir. Billing Room
VG 32 DFLOOR-INIT: Dir. Initiator Floor
VG 35 DROOM-INIT: Directory Initiator Room

Not Used NX203 1096

County Designator

O ID 5/5

Code identifying the county within a state

Segment: **REF** Reference Identification
Position: 350
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify identifying information
Syntax Notes:
 1 At least one of REF02 or REF03 is required.
 2 If either C04003 or C04004 is present, then the other is required.
 3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
 1 REF04 contains data relating to the value cited in REF02.
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification BellSouth valid codes: 11 Account Number Number identifies a telecommunications industry account IX Item Number	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 N101 REF01 REF03 REF02 IT IX LOCNUM LOCNUM: Location Number IT 11 EAN EAN: Existing Account Nbr. IT 11 EATN EATN: Existing Account Tele. Nbr. Not currently being utilized by BellSouth: X1 SY SSN: Social Security Number ZE MJ CPE MOD: Customer Premise Equipment Model No.	X AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content If REF01 REF03 IX LOCNUM 11 EAN or EATN	X AN 1/80
Not Used	REF04	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
Not Used	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3
Not Used	C04002	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
Not Used	C04003	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
Not Used	C04004	127	Reference Identification	X AN 1/30

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

Segment: PER Administrative Communications Contact

Position: 360
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

Ref. Des.	Data Element	Name	Attributes
Must Use PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named BellSouth valid codes: AG Agent AL Alternate Contact Person to be contacted when the main contact is not available BI Bill Inquiry Contact Service Provider contact for making inquires about information on the invoice CA Customer Contact Granting Appointment CN General Contact DE Design Engineer	M ID 2/2
PER02	93	Name Free-form name If N101 PER01 PER02 78 AG INIT: Initiator 78 CN IMPCON: Implementation Contact 78 AL ALTIMPCON: Alternate Imple. Contact IT CA LCON-NAME: Local Contact IT CN IWCON: Inside Wire Contact X1 BI BILLCON-FB: Final Bill Contact Not currently being utilized in BellSouth: BT BI BILLCON: Billing Contact SO BI DBILLCON: Dir. Billing Contact VG AG DINIT: Directory Initiator	O AN 1/60
PER03	365	Communication Number Qualifier Code identifying the type of communication number BellSouth valid codes: BN Beeper Number EM Electronic Mail FX Facsimile TE Telephone	X ID 2/2

PER04	364	Communication Number Complete communications number including country or area code when applicable If N101 PER01 DE365 DE364 78 AG TE TEL NO-INIT: Initiator Tele. No. 78 AG FX FAX NO-INIT: Fax No. 78 CN TE TEL NO-IMPCON: Implementation Contact Telephone No. 78 CN BN PAGER-IMPCON: Implementation Contact Pager No. 78 AL TE TEL NO-ALTIMPCON: Alt. Implementation Contact Telephone No. 78 AL BN PAGER-ALTIMPCON: Alt. Implementation Contact Pager DG DE TE TEL NO-DSGCON: Design/Engrg. Tele. No. DG DE FX FAX NO-DSGCON: Design/Engrg. Fax No. IT CA TE TEL NO-LCON: Local Contact Tele. No. IT CN TE TEL NO-IWCON: Inside Wire Contact Telephone No. X1 BI TE TEL NO-FBCON: Final Bill Contact Tele. Not currently being utilized in BellSouth: 78 AG EM EMAIL-INIT: Electronic Mail Address BT BI TE TEL NO-BILLCON: Bill Contact Tele. No. DG DE EM EMAIL-DSGCON: Design/Engrg. Email SO BI TE TEL NO-DBILLCON: Dir. Bill Contact Telephone No. VG AG TE DTEL NO-INIT: Dir. Initiator Tele. No. VG AG EM DEMAIL-INIT: Dir. Email Address VG AG FX DFAX NO-INIT: Dir. Fax No.	X AN 1/80
PER05	365	Communication Number Qualifier Code identifying the type of communication number See PER03 for list of valid codes.	X ID 2/2
PER06	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80
PER07	365	Communication Number Qualifier Code identifying the type of communication number See PER03 for list of valid codes.	X ID 2/2
PER08	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80
Not Used	PER09	443 Contact Inquiry Reference Additional reference number or description to clarify a contact number	O AN 1/20

Segment: **PO1** **Baseline Item Data**
Position: 010
Loop: PO1 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify basic and most frequently used line item data
Syntax Notes:

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

Semantic Notes:
Comments:

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

Notes: **Please refer to Business Models for Issue 9, ASC X12 Version 004010, authored by the Service Order SubCommittee in their TCIF/EDI Guidelines dated July 27, 1998, for usage of PO1 and POC segments.**

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
PO101	350	Assigned Identification		O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set		
PO102	330	Quantity Ordered		X R 1/15
		Quantity ordered		
PO103	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		
		BellSouth valid code:		
		EA	Each	
Not Used	PO104	212	Unit Price	X R 1/17
		Price per unit of product, service, commodity, etc.		
Not Used	PO105	639	Basis of Unit Price Code	O ID 2/2
		Code identifying the type of unit price for an item		
	PO106	235	Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		BellSouth valid codes:		
		LS	Load Sequence	
		SH	Service Requested	
		A numeric or alphanumeric code from a list of services available to the customer		

			TY	available to the customer Telecommunications Industry Service Code		
PO107	234	Product/Service ID			X	AN 1/48
		Identifying number for a product or service				
		If				
		PO106	PO107			
		LS	SO: Sequence Override			
		SH	RTY: Record Type			
		TY	LNECLSSVC: Line Class of Service			
PO108	235	Product/Service ID Qualifier			X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		See PO106 for list of valid codes.				
PO109	234	Product/Service ID			X	AN 1/48
		Identifying number for a product or service				
PO110	235	Product/Service ID Qualifier			X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		See PO106 for list of valid codes.				
PO111	234	Product/Service ID			X	AN 1/48
		Identifying number for a product or service				
PO112	235	Product/Service ID Qualifier			X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
PO113	234	Product/Service ID			X	AN 1/48
		Identifying number for a product or service				
PO114	235	Product/Service ID Qualifier			X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
PO115	234	Product/Service ID			X	AN 1/48
		Identifying number for a product or service				
PO116	235	Product/Service ID Qualifier			X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
PO117	234	Product/Service ID			X	AN 1/48
		Identifying number for a product or service				
PO118	235	Product/Service ID Qualifier			X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
PO119	234	Product/Service ID			X	AN 1/48
		Identifying number for a product or service				
PO120	235	Product/Service ID Qualifier			X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
PO121	234	Product/Service ID			X	AN 1/48
		Identifying number for a product or service				
PO122	235	Product/Service ID Qualifier			X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
PO123	234	Product/Service ID			X	AN 1/48

Segment: **SI** Service Characteristic Identification
Position: 018
Loop: PO1 Mandatory
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify service characteristic data
Syntax Notes:

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

Semantic Notes:
Comments:

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

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	SI01	559	Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code:	M 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 BellSouth valid codes:	M AN 2/2
			99 Continuation Code	
			AD Address Activity	
			AM Main/Alternate Telephone Number	
			BO Business/Residence Placement Override	
			BR Directory Listings Type of Account	
			C2 Call Forwarding Telephone Number	
			C5 Sequence Telephone Number	
			CM Local Service Provider's Circuit Number	
			CN Circuit Number Identification Code	
			CU Channel Pair Identifier	
			DD Digits Outpulsed	
			DF Directory Subsection	
			DG Degree of Indent	
			DN Directory Book Name	
			FF From Telephone Number	
			FZ Freeze PIC Indicator	
			IP Number Portability Type	
			IT Ported Telephone Number	
			K1 System ID	

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

Must Use **S103** **234** **Product/Service ID** **M AN 1/48**

Identifying number for a product or service

If

DE1000 DE234

AD DACT: Delivery Activity
AM MATN: Main/Alternate Telephone No.
BO BRO: Business/Residence Placement Override
BR TOA: Type of Account
C2 CFTN: Call Forward to Number
C5 SEQTN: Sequence Telephone Number
CM CKR: Customer Circuit Reference
CN ECCKT: Exchange Company Circuit ID
CU CHAN/PAIR2: Channel Pair 2
DD DGOUT: DID Digits Out
DF DIRSUB: Directory Subsection
DG DOI: Degree of Indent

DN DIRNAME: Directory Name
FF TC FR: From Telephone Number
FZ FPI: Freeze PIC Indicator
IP NPT: Number Portability Type
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 Indicator
LE LTY: Listing Type
LN LTN: Listing Telephone Number
ND DISC NBR: Disconnect Telephone Number
NT SLTN: Shared Line Telephone Number
NQ NPI: Number Portability Indicator
NS NSTN: Non Standard Telephone Number
OT OTN: Out Telephone Number
PE PULSE: Type of Pulsing or
PE DPULSE: DID Type of Pulsing
RI RTI: Route Index or
RI DRTI: DID Route Index Number
SA LNA: Line Activity or
SA HA: Hunt Group Activity or
SA DTKACT: DID Trunk Activity or
SC HNTYP: Hunt Type Code
SG HID: Hunt Group Identifier
SH SDI: Switched Data Identifier
SN ISPID: ISDN Service Profile Identification
SY SSIG: Start of Signaling
T1 JK POS: Jack Position
T3 JK CODE: Jack Code
T5 TER or TERS: Terminal Number(s)
T6 TC OPT: Transfer of Calls Option
T7 JK NUM: Jack Number
TD PTRCON: PBX Trunk Configuration
TH NPTG: Number Portability Trunk Group or
TH DTGN: DID Trunk Group Number
TK DTKID: DID Trunk ID
TN TNS: Telephone Number(s)
TQ TLI: Telephone Line Identifier or
TQ DTLI: DID Telephone Line Identifier
TS SGNL: Signaling or
TS DSGNL: DID Signaling
TV TT: TTY or TDD Indicator
TW STYC: Style Code

Not currently being utilized by BellSouth:

AT LTC: Line Treatment Code
BD PRIBD: ISDN PRI B&D Channel Configuration
CB CB: Centrex Common Block
DB DIRIDL: Directory Identifier
DK DIALING: Centrex Dialing Capability
DM DSN: Diable Station Number
DO DNA: Do Not Abbreviate
ED DISC ECCKT: Disconnect ECCKT
FP LMP: Link Management Protocol
FZ CFPI: Centrex Common Block Freeze PIC Indic.
GB GBTN: Gen. Exch. Tariff Option Bill Tele. No.
IW IWO: Inside Wiring Options
IX IWBAN: Inside Wiring Billing Account No.

		LM	LRN: Location Routing Number		
		LP	TLV: Transmission Level Point		
		LS	RLSO: Resale Local Serving Office		
		LX	LEX: Local Exchange		
		OP	WSOP: Working Service on Premise		
		SK	SDD: Station Digit Dialing		
		SO	LID2: Additional Scoping Information		
		SZ	LID1: Scoping Zip Code		
		SR	SR: Special Routing Code		
		TA	CLK: Clock Source		
		TB	CBLOCK: Centrex Common Block Restrictions		
		TE	PSPEED: Port Speed		
		TQ	PTLI: PBX Lead Telephone Line		
		TY	LTOS: Line Type of Service		
		TZ	TIP: Telephone Line Identifier Type		
SI04	1000	Service Characteristics Qualifier		X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics See SI02 for the list of valid codes.			
SI05	234	Product/Service ID		X	AN 1/48
		Identifying number for a product or service			
SI06	1000	Service Characteristics Qualifier		X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics See SI02 for the list of valid codes.			
SI07	234	Product/Service ID		X	AN 1/48
		Identifying number for a product or service			
SI08	1000	Service Characteristics Qualifier		X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics See SI02 for the list of valid codes.			
SI09	234	Product/Service ID		X	AN 1/48
		Identifying number for a product or service			
SI10	1000	Service Characteristics Qualifier		X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics See SI02 for the list of valid codes.			
SI11	234	Product/Service ID		X	AN 1/48
		Identifying number for a product or service			
SI12	1000	Service Characteristics Qualifier		X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics See SI02 for the list of valid codes.			
SI13	234	Product/Service ID		X	AN 1/48
		Identifying number for a product or service			
SI14	1000	Service Characteristics Qualifier		X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics See SI02 for the list of valid codes.			
SI15	234	Product/Service ID		X	AN 1/48
		Identifying number for a product or service			
SI16	1000	Service Characteristics Qualifier		X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics See SI02 for the list of valid codes.			
SI17	234	Product/Service ID		X	AN 1/48
		Identifying number for a product or service			

S118	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics See SI02 for the list of valid codes.	X	AN 2/2
S119	234	Product/Service ID Identifying number for a product or service	X	AN 1/48
S120	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics See SI02 for the list of valid codes.	X	AN 2/2
S121	234	Product/Service ID Identifying number for a product or service	X	AN 1/48

Segment: **PID** Product/Item Description

Position: 050

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

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

	PID	Length	Description	Usage
	PID05	352	Description A free-form description to clarify the related data elements and their content If PID04 PID05 CFA CFA: Connecting Facility Assignment Not currently being utilized by BellSouth: SCFA SCFA: Secondary Connecting Facility Assignment	X AN 1/80
Not Used	PID06	752	Surface/Layer/Position Code Code indicating the product surface, layer or position that is being described	O ID 2/2
	PID07	822	Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier SO-RSQ Service Order - Reseller Questions	O AN 1/15
	PID08	1073	Yes/No Condition or Response Code Code indicating a Yes or No condition or response If PID04 PID07 PID08 AG SO-RSQ NIDR: Network Interface Device Request AM SO-RSQ JR: Jack Request AS SO-RSQ LNPL: Listed Name Placement EDI Y = OBF O AT SO-RSQ ADI: Address Indicator EDI Y = OBF O AU SO-RSQ ADV: Advance to Directory Indicator AW SO-RSQ DML: Direct Mail List EDI Y = OBF O AZ SO-RSQ DLNM: Dual Name Listing BL SO-RSQ PTKTYP: PBX Trunk Type Not currently being utilized by BellSouth: AF SO-RSQ EUMI: End User Moving Indicator AR SO-RSQ OMTN: Omit TN AV SO-RSQ STR: Street Address Directory AX SO-RSQ NOSL: No Solicitation Indicator AY SO-RSQ TMKT: Telemarketing BA SO-RSQ PROF: Professional Identifier BB SO-RSQ SM: Sequence Merge BC SO-RSQ TDT: Ten Digit Trigger BD SO-RSQ ZLG: Zero Logic BJ SO-RSQ OAR: Operated Assisted Routing BK SO-RSQ SMDR: Station Message Detail Recording BP SO-RSQ ERL: End User Retaining Listing	O ID 1/1
Not Used	PID09	819	Language Code Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)	O ID 2/3

Segment: **REF** Reference Identification
Position: 100
Loop: PO1 Mandatory
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:
 1 At least one of REF02 or REF03 is required.
 2 If either C04003 or C04004 is present, then the other is required.
 3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
 1 REF04 contains data relating to the value cited in REF02.
Comments:

Data Element Summary

Must Use	Ref. Des.	Data Element	Name	Attributes
	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification BellSouth valid codes: II Account Number Number identifies a telecommunications industry account AE Authorization for Expense (AFE) Number GP Government Priority Number IJ Standard Industry Classification (SIC) Code IX Item Number LI Line Item Identifier (Seller's)	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 AE SAN: Subscriber Authorization No. GP TSP: Telecommunication Service Priority IJ SIC: Standard Industry Code IX DIDNUM DIDNUM: DID Reference Number IX DLNUM DLNUM: Dir. Listing Reference No. IX DNUM DNUM: Disconnect Line Number IX HNUM HNUM: Hunting Number 11 LEAN LEAN: Line Existing Account Number 11 LEATN LEATN: Line Existing Acct. Tele. No. IX LNEX LNEX: Line Number Extension\ IX LNUM LNUM: Line Number IX LOCNUM LOCNUM: Location Number LI ALI: Alpha/Numeric Listing Identifier Code Currently not being utilized by BellSouth: 11 SMDRAC SMDRAC: Station Message Detail Recording Account Code IX DELNUM DELNUM: Directory Delivery Reference No. IX API API: Attendant Position Indicator	X AN 1/30

LI **ALIR: ALI Reference**

	REF03	352	Description	X AN 1/80
			A free-form description to clarify the related data elements and their content	
			If	
			REF01 REF03	
			11 LEAN or LEATN	
			IX DIDNUM, DNUM, DLNUM, HNUM, LNEEX, LNUM, or LOCNUM	
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: **DTM** Date/Time Reference
Position: 210
Loop: PO1 Mandatory
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time BellSouth valid code: 376 Delivery End The date that deliveries will end	M ID 3/3
	DTM02	373	Date Date expressed as CCYYMMDD If DTM01 DTM02 376 TC PER: Transfer of Calls Period	X 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)	X TM 4/8
Not Used	DTM04	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	O ID 2/2
Not Used	DTM05	1250	Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format	X 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	X AN 1/35

Segment: **QTY** Quantity
Position: 293
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes:
 1 At least one of QTY02 or QTY04 is required.
 2 Only one of QTY02 or QTY04 may be present.
Semantic Notes:
 1 QTY04 is used when the quantity is non-numeric.
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	QTY01	673	Quantity Qualifier Code specifying the type of quantity BellSouth valid codes: 43 Talk Paths The total number of talk paths associated with the ordered port(s) FJ Trunked Channels FL Units	M ID 2/2
	QTY02	380	Quantity Numeric value of quantity If QTY01 QTY03 QTY02 43 EA TNP: Total Number of Paths FL EA DTNRQ: DID TN Quantity FJ EA DTK: DID Trunk Quantity Not currently being utilized by BellSouth: 20 EA DSTNQ: Disassociated TN Quantity 91 EA CPATHA: Centrex Access Paths Additional 92 EA CPATH: Centrex Access Paths 93 EA APS: Attendant Position TO N2 NVC: Number of Virtual Connections	X R 1/15
	QTY03	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	O
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 BellSouth 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	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	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	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	O ID 2/2
Not Used	C00114	1018	Exponent Power to which a unit is raised	O R 1/15
Not Used	C00115	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	QTY04	61	Free-Form Message Free-form information	X AN 1/30

Segment: **N9** Reference Identification
Position: 330
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 BellSouth valid codes: 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 H7 Standard Clause Retained L1 Letters or Notes Non Retained	M ID 2/3
	N902	127 Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier BellSouth valid codes: ACC Access Instructions DES Designation LNFN Listed Name First LNLN Listed Name Last LOC Location Instructions LTXTY Listing Text Type NICK Nickname PLA Place Listing As SEQADDR Sequence Address SEQTEXT Sequence Text TITLE1 Title of Address 1 TITLE2 Title of Address 2 TL Title of Lineage WPP White Page Products YPH Yellow Page Heading Code	X AN 1/30

Usage	Code	Length	Description	Options
	N903	369	Free-form Description Free-form descriptive text If N901 N902 N903 H7 DL L1 EU 82 LTXTY LTXTY: Listing Text Type	X AN 1/45
Not Used	N904	373	Date Date expressed as CCYYMMDD	O DT 8/8
Not Used	N905	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X TM 4/8
Not Used	N906	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	O ID 2/2
	N907	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
Must Use	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification BellSouth valid code: 55 Sequence Number	M ID 2/3
Must Use	C04002	127	Reference Identification 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.	M AN 1/30
Not Used	C04003	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
Not Used	C04004	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
Not Used	C04005	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
Not Used	C04006	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

Segment: **MSG** Message Text
Position: 340
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

Ref.	Data			Attributes
Must Use	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
	MSG01	933	Free-Form Message Text Free-form message text	M AN 1/264
			If	
		N901	N902 N903 MSG01	
		82	DES DES: Designation	
		82	LNLN LNLN: Listed Name Last	
		82	LNFN LNFN: Listed Name First	
		82	LTEXT LTEXT: Listing Text	
		82	NICK NICK: Nickname	
		82	PLA PLA: Place Listing As	
		82	SEQTEXT SEQTEXT: Sequence Text	
		82	SEQADDR SEQADDR: Sequence Address	
		82	TITLE1 TITLE1: Title of Address 1	
		82	TITLE2 TITLE2: Title of Address 2	
		82	TL TL: Title of Lineage	
		82	WPP WPP: White Page Products	
		82	YPH YPH: Yellow Page Heading Code	
		H7	ACC DL DDADLO: Delivery Addr. Desc. Location	
		L1	ACC EU ACC: Access Information	
		L1	LOC EU SADLO: Svc. Address Desc. Location	
			Not currently being utilized by BellSouth:	
		82	ITEXT ITEXT: Indent Text	
		82	LOI LOI: Line of Information	
		82	OMSD OMSD: Omit from Sec. Directory	
		82	YPHV YPHV: Yellow Page Heading Verbiage	
		H7	ACC DSR DDADLO: Directory Addr. Descr. Loc.	
		L1	ACC RPLPRI ACC: Access Information (Pri)	
		L1	ACC RPLSEC ACC: Access Information (Sec)	
		L1	ALOC RPLPRI ALOC: Additional Loc. Details (Pri)	
		L1	ALOC RPLSEC ALOC: Additional Loc. Details (Sec)	
		L1	LOC RPLPRI SADLO: Svc. Address Desc. Loc (Pri)	
		L1	LOC RPLSEC SADLO: Svc. Address Desc. Loc (Sec)	
		L1	LOC RPLPRI SADLO: Svc. Address Desc. Loc (Pri)	
		L1	LOC RPLSEC SADLO: Svc. Address Desc. Loc (Sec)	
		L1	LOC DSR SADLO: Svc. Address Desc. Location	
		L1/H7	ORI LSNP REMARKS: Remarks	
		L1/H7	ORI NP REMARKS: Remarks	
		L1/H7	ORI PORT REMARKS: Remarks	
		L1	ORI RFR REMARKS: Remarks	
		L1	ORI RPL REMARKS: Remarks	
Not Used	MSG02	934	Printer Carriage Control Code	X ID 2/2

Not Used	MSG03	1470	A field to be used for the control of the line feed of the receiving printer Number A generic number	O N0 1/9
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Segment: **N1** Name
Position: 350
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.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
Must Use	N101	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual BellSouth valid codes: 8V Primary Intra-LATA (Local Access Transport Area) Carrier DA Delivery Address DH Doing Business As HK Subscriber IT Installation on Site P9 Primary Interexchange Carrier (PIC) Identifies the carrier who will handle the interexchange calls	M ID 2/3
	N102	93 Name Free-form name If N101 N102 DA NAME-DEL: Delivery Address Name HK CNAM: Calling Name IT NAME-EU: End User Name Not currently being utilized by BellSouth: EN CLN: Centrex Line Name ZE CPE MFR: Customer Premise Equip. Mfr. N101 SI DE1000 SI DE234 N102 IT LT 02 PRILOC: Primary Location IT LT 04 SECLOC: Secondary Location	X AN 1/60
	N103	66 Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 12 Telephone Number (Phone) 41 Telecommunications Carrier Identification Code Identifies the Interexchange carrier for the charges being billed	X ID 1/2

	N104	67	Identification Code	X AN 2/80
			Code identifying a party or other code	
			If	
			N101 N103 N104	
			P9 41 PIC: Presubscription Interexchange Carrier	
			8V 41 LPIC: Local Presubscription Interexchange Carrier	
			DH 12 LTN: Listing Telephone Number (see PO1/SI)	
			Not currently being utilized by BellSouth:	
			P9 41 CPIC: Common Block Presubscription Interexchange Carrier	
			8V 41 CLPIC: Common Block Local Presubscription Interexchange Carrier	
			IT 93 LIT: Location ID Type	
Not Used	N105	706	Entity Relationship Code	O ID 2/2
			Code describing entity relationship	
Not Used	N106	98	Entity Identifier Code	O ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	

Segment: **N4** Geographic Location
Position: 380
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 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 If N101 N401 IT CITY-EU: End User City Not currently being utilized by BellSouth: DA DDALOC: Delivery Address Locality DH LALOC: Listed Address Locality IT CITY (Pri or Sec)	O AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency If N101 N402 DA DDAST: Delivery Address State/Province DH LAST: Listed Address State/Province IT STATE-EU: End User State Not currently being utilized by BellSouth: IT SAST: Service Address State/Province IT STATE (Pri or Sec)	O ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States) If N101 N403 DA DDAZC: Delivery Address Zip Code IT ZIPCODE-EU: End User Zip Code Not currently being utilized by BellSouth: DH LAZC: Listed Address Zip Code IT ZIPCODE (Pri or Sec) IT SAZC: Service Address Zip Code	O ID 3/15
N404	26	Country Code Code identifying the country	O ID 2/3
Not Used	N405	309 Location Qualifier Code identifying type of location	X ID 1/2
Not Used	N406	310 Location Identifier	O AN 1/30

Code which identifies a specific location

Segment: **NX2** Location ID Component
Position: 385
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>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	NX201	1106	Address Component Qualifier Code qualifying the type of address component BellSouth valid codes:	M ID 2/2
			01 Street Number	
			02 Street Name	
			03 Prefix Direction	
			07 City Name	
			12 Building Name	
			18 Unstructured Mailing Address	
			32 Floor	
			A particular floor or level of a building	
			35 Room	
			A walled room or partitioned area of a building	
			40 Street Suffix	
			59 Street Number Low	
			61 Street Number Fraction	
			62 Street Name Suffix	
Must Use	NX202	166	Address Information Address information If	M AN 1/55
			N101 NX201 NX202	
			DA 01 DDANO: Delivery Address House Number	
			DA 02 DDASN: Delivery Address Street Name	
			DA 03 DDASD: Delivery Address Street Directional	
			DA 07 DDALOC: Delivery Address Locality	
			DA 18 DDALO: Delivery Address Location	
			DA 40 DDASS: Delivery Address Street Suffix	
			DA 59 DDAPR: Delivery Address House Number Prefix	
			DA 61 DDASF: Delivery Address House Number Suffix	
			DA 62 DDATH: Delivery Address Thoroughfare	
			DH 01 LANO: Listed Address House Number	
			DH 02 LASN: Listed Address Street Name	
			DH 03 LASD: Listed Address Street Directional	
			DH 07 LALOC: Listed Address Locality	
			DH 40 LASS: Listed Address Street Suffix	
			DH 59 LAPR: Listed Address House Number Prefix	
			DH 61 LASF: Listed Address House Number Suffix	
			DH 62 LATH: Listed Address Thoroughfare	

Segment: REF Reference Identification

Position: 390
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 12

Purpose: To specify identifying information

- Syntax Notes:**
- 1 At least one of REF02 or REF03 is required.
 - 2 If either C04003 or C04004 is present, then the other is required.
 - 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.

Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification BellSouth valid codes: IX Item Number	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 N101 REF01 REF03 REF02 IT IX LOCNUM LOCNUM: Location Number Not currently being utilized by BellSouth: IT 11 EAN EAN: Existing Account Number IT 11 EATN EATN: Existing Acct. Tele. Nbr. ZE MJ CPE MOD: Cust. Premise Equipment Model No.	X AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content If REF01 REF03 IX LOCNUM	X AN 1/80
Not Used	REF04	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
Not Used	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3
Not Used	C04002	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
Not Used	C04003	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
Not Used	C04004	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
Not Used	C04005	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
Not Used	C04006	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

Segment: **PER** Administrative Communications Contact
Position: 400
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

Ref. Des.	Data Element	Name	Attributes
Must Use PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named BellSouth valid code: CA Customer Contact Granting Appointment	M ID 2/2
PER02	93	Name Free-form name If N101 PER01 PER02 IT CA LCON-NAME: Local Contact Not currently being utilized by BellSouth: IT AL ALCON: Alt. Local Contact (pri or sec) IT CA LCON: Local Contact (pri or sec) IT CN IWCON: Inside Wire Contact (pri or sec)	O AN 1/60
PER03	365	Communication Number Qualifier Code identifying the type of communication number BellSouth valid code: TE Telephone	X ID 2/2
PER04	364	Communication Number Complete communications number including country or area code when applicable If N101 PER01 DE365 DE364 IT CA TE TEL NO-LCON: Local Contact Telephone No. Not currently being utilized by BellSouth: IT AL TE AACTEL: Alt. Access Tele No (pri or sec) IT CA TE ACTEL: Access Tele. No. (pri or sec) IT CN TE TEL NO-IWCON: Inside Wire Contact Telephone No. (pri or sec)	X AN 1/80
PER05	365	Communication Number Qualifier Code identifying the type of communication number	X ID 2/2
PER06	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80
PER07	365	Communication Number Qualifier Code identifying the type of communication number	X ID 2/2

	PER08	364	Communication Number	X AN 1/80
			Complete communications number including country or area code when applicable	
Not Used	PER09	443	Contact Inquiry Reference	O AN 1/20
			Additional reference number or description to clarify a contact number	

Segment: **SI** Service Characteristic Identification
Position: 405
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify service characteristic data
Syntax Notes:

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

Semantic Notes:
Comments: 1 SI01 defines the source for each of the service characteristics qualifiers.

Data Element Summary

Ref.	Data	Element	Name	Attributes
Must Use	SI01	559	Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: 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 BellSouth valid code: SA Service Activity Code	M AN 2/2
Must Use	SI03	234	Product/Service ID Identifying number for a product or service If SI02 SI03 SA LOCACT: LOCNUM Activity	M AN 1/48
	SI04	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	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	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 Code from an industry code list qualifying the type of service characteristics	X AN 2/2
	SI09	234	Product/Service ID Identifying number for a product or service	X AN 1/48
	SI10	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	X AN 2/2

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

- Segment:** **SLN** Subline Item Detail
- Position:** 470
- 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

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
Must Use	SLN01	350 Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	M AN 1/20
	SLN02	350 Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	O AN 1/20
Must Use	SLN03	662 Relationship Code Code indicating the relationship between entities BellSouth valid codes: A Add D Delete I Included	M ID 1/1
	SLN04	380 Quantity Numeric value of quantity Valid quantity entry or IWJQ: Inside Wire Jack Quantity when SLN10=IWJK	X R 1/15

	SLN05	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	X
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 BellSouth 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	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	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	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	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.	X R 1/17
Not Used	SLN07	639	Basis of Unit Price Code Code identifying the type of unit price for an item	O ID 2/2
Not Used	SLN08	662	Relationship Code Code indicating the relationship between entities	O ID 1/1

SLN09	235	Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234) BellSouth valid codes: CL Color EQ Equipment Type LS Load Sequence	
SLN10	234	Product/Service ID	X AN 1/48
		Identifying number for a product or service If SLN09 SLN10 CL DIRTYP: Directory ID Type EQ IWJK: Inside Wire Jack Code LS SOL: Sequence Override Level 1 Not currently being utilized by BellSouth: SLN235 SLN234 B7 DIRIDDW: Directory ID for White Pages B7 DIRIDDY: Directory ID for Yellow Pages B7 DIRIDDB: Directory ID for Business to Business Delivery B7 DIRIDDO: Directory ID for Other Book Delivery	
SLN11	235	Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234) See SLN09 for the list of valid codes.	
SLN12	234	Product/Service ID	X AN 1/48
		Identifying number for a product or service	
SLN13	235	Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234) See SLN09 for the list of valid codes.	
SLN14	234	Product/Service ID	X AN 1/48
		Identifying number for a product or service	
SLN15	235	Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234) See SLN09 for the list of valid codes.	
SLN16	234	Product/Service ID	X AN 1/48
		Identifying number for a product or service	
SLN17	235	Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
SLN18	234	Product/Service ID	X AN 1/48
		Identifying number for a product or service	
SLN19	235	Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
SLN20	234	Product/Service ID	X AN 1/48
		Identifying number for a product or service	
SLN21	235	Product/Service ID Qualifier	X ID 2/2

		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
SLN22	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SLN23	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
SLN24	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SLN25	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
SLN26	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SLN27	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
SLN28	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		

Segment: **SI** Service Characteristic Identification
Position: 480
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 Bellsouth valid code:	M 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 Bellsouth valid codes:	M AN 2/2
			99 Continuation Code	
			BB Blocking Activity	
			C3 Header Telephone Number	
			C4 Header Non-Standard Telephone Number	
			C5 Sequence Telephone Number	
			DG Degree of Indent	
			DU Directory Caption Header Status	
			FD Feature Detail	
			HT Hunting Telephone Number	
			SA Service Activity Code	
			SC Service Category Code	
			SF Service Feature/Option Code	
			T9 DID Telephone Number Range	
			TB Blocking/Billing Exception	
			TC Transfer Announcement Number	
			TZ Telephone Line Identifier Type	

Must Use	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
			If DE1000 DE234 99 Continuation Code BB BA: Blocking Activity C3 HTN: Header Telephone Number or C3 INTN: Indent Level Telephone Number C4 INNSTN: Indent Level Non-Std. Tele. No. C5 SEQTN1: Sequence Telephone Number Level 1 DG LVL: Level of Indent DU HS: Header Status or DU INSL: Indent Level 1 Status FD FEATURE DETAIL: Feature Detail HT HT: Hunting Telephone Number SA FA: Feature Activity or SA HLA: Hunt Line Activity SA DTNRACT: DID TN Activity SC FEATURE: Feature Codes SF FEATURE: Feature Codes T9 DTNR: DID TN Range TB BLOCK: Blocking TC TC TO-PRIMARY: Transfer of Calls To Primary No. TC TC TO-SECONDARY: Transfer of Calls To Sec. No. TZ NOTYP: Number Type		
			Not currently being utilized by BellSouth: AT TMTC: Treatment Code BB CBA: Centrex Blocking Activity BC BC: Committed Burst Size BE BE: Excess Burst Size C4 HNSTN: Header Non-Standard Telephone No. CJ TA: Treatment Activity Code DE DLCI: Data Link Connection Identifier DL CIR: Committed Information Rate DY DSTN: Disassociated TN ES RECCKT: Related Exchange Company Circuit ID FD CBFEATURE DETAIL: Common Block Feature Detail PX SN: Station Numbers RB RBC: Related Committed Burst Size RD RSPEED: Related Port Speed RR RCIR: Related Committed Information Rate RX RBE: Related Excess Burst Size SA CBFA: Common Block Feature Activity or SA DSTNACT: Disassociated TN Activity or SA VCACT: VC Activity Indicator SC CBFEATURE: Common Block Feature SE RDLCI: Related Data Link Connection Identifier SF CBFEATURE: Common Block Feature TB CBLOCK: Centrex Common Block Restrictions		
	SI04	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics See SI02 for the list of valid codes.	X	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 See SI02 for the list of valid codes.	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 Code from an industry code list qualifying the type of service characteristics See SI02 for the list of valid codes.	X AN 2/2
SI09	234	Product/Service ID Identifying number for a product or service	X AN 1/48
SI10	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics See SI02 for the list of valid codes.	X AN 2/2
SI11	234	Product/Service ID Identifying number for a product or service	X AN 1/48
SI12	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics See SI02 for the list of valid codes.	X AN 2/2
SI13	234	Product/Service ID Identifying number for a product or service	X AN 1/48
SI14	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics See SI02 for the list of valid codes.	X AN 2/2
SI15	234	Product/Service ID Identifying number for a product or service	X AN 1/48
SI16	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics See SI02 for the list of valid codes.	X AN 2/2
SI17	234	Product/Service ID Identifying number for a product or service	X AN 1/48
SI18	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics See SI02 for the list of valid codes.	X AN 2/2
SI19	234	Product/Service ID Identifying number for a product or service	X AN 1/48
SI20	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics See SI02 for the list of valid codes.	X AN 2/2
SI21	234	Product/Service ID Identifying number for a product or service	X AN 1/48

			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)
Not Used	N906	623	Time Code O ID 2/2 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
Not Used	N907	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: **MSG** Message Text
Position: 525
Loop: N9 Optional
Level: Detail
Usage: Optional
Max Use: >1
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>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	MSG01	933	Free-Form Message Text Free-form message text If N901 N902 MSG01 82 SEQTEXT1 SEQTEXT1: Sequence Text Level 1 82 SEQADDR1 SEQADDR1: Sequence Address Level 1 82 INTEXT INTEXT: Indent Level Text 82 INADDR INADDR: Indent Level Address Not currently being utilized by BellSouth: 82 HADDR HADDR: Header Address	M AN 1/264
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: **QTY** Quantity
Position: 529
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

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
Must Use	QTY01	673	Quantity Qualifier	M ID 2/2
			Code specifying the type of quantity	
			BellSouth valid codes:	
			31	Additional Demand Quantity
			38	Original Quantity
	QTY02	380	Quantity	X R 1/15
			Numeric value of quantity	
			If	
			QTY01	QTY03
			31	DY DIRQTY A: Number of Directory Deliveries for Annual Delivery
			38	DY DIRQTY NC: Number of Directory Deliveries on New Connect
			Not currently being utilized by BellSouth:	
			31	DY DIRANW: Number of White Page Books for Annual Delivery
			31	DY DIRANY: Number of Yellow Page Books for Annual Delivery
			31	DY DIRANB: Number of Business to Business Books
			31	DY DIRANO: Number of Other Books for Annual Del.
			38	DY DIRNEWW: Number of White Page Books Delivered on New Connect
			38	DY DIRNEWY: Number of Yellow Page Books Delivered on New Connect
			38	DY DIRNEWB: Number of Business to Business Books Delivered on New Connect
			38	DY DIRNEWO: Number of Other Books Delivered on New Connect
	QTY03	C001	Composite Unit of Measure	O
			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	
			BellSouth valid code:	
			DY	Directory Books
				Number of directory books delivered to customer

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	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	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	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	O ID 2/2
Not Used	C00114	1018	Exponent Power to which a unit is raised	O R 1/15
Not Used	C00115	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	QTY04	61	Free-Form Message Free-form information	X AN 1/30

Segment: **N1** Name
Position: 535
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:
 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments:
 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 2 N105 and N106 further define the type of entity in N101.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual BellSouth valid code: TT Transfer To	M ID 2/3
	N102	93	Name Free-form name If N101 N102 TT TCNAME: Transfer of Calls to Name	X AN 1/60
Not Used	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67)	X ID 1/2
	N104	67	Identification Code Code identifying a party or other code Not currently being utilized by BellSouth: If N101 N103 N104 BT 92 RACNA: Related Access Cust. Name Abbrev.	X AN 2/80
Not Used	N105	706	Entity Relationship Code Code describing entity relationship	O ID 2/2
Not Used	N106	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	O ID 2/3

Segment: **REF** Reference Identification
Position: 580
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 12
Purpose: To specify identifying information
Syntax Notes:
 1 At least one of REF02 or REF03 is required.
 2 If either C04003 or C04004 is present, then the other is required.
 3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
 1 REF04 contains data relating to the value cited in REF02.
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification BellSouth valid code: 55 Sequence Number	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 N101 REF01 REF03 REF02 TT 55 PRI/SEC TCID: Transfer of Calls to Identifier	X AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content If REF01 REF03 55 PRI or SEC	X AN 1/80
Not Used	REF04	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
Not Used	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3
Not Used	C04002	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
Not Used	C04003	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
Not Used	C04004	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
Not Used	C04005	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
Not Used	C04006	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

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>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	CTT01	354 Number of Line Items Total number of line items in the transaction set	M N0 1/6
	CTT02	347 Hash Total Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.	O R 1/10
Not Used	CTT03	81 Weight Numeric value of weight	X R 1/10
Not Used	CTT04	355 Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X ID 2/2
Not Used	CTT05	183 Volume Value of volumetric measure	X R 1/8
Not Used	CTT06	355 Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X ID 2/2
Not Used	CTT07	352 Description 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>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
Must Use	SE02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set The value of the data element in SE02 in the Transaction Set Trailer (SE) must match the value of this same data element in ST02 in the Transaction Set Header (ST).	M AN 4/9