Ameritech

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Mechanized Order Acknowledgment For Billing Verification and Authorization For Payment Process (BVAPP)

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N/A

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1.   Terms and Definitions

<u>American National Standard for Electronic Business Data Interchange – Application Control Structure</u>, contains the formal definitions of all terms used by ANSI that are related to electronic business data interchange. The following definitions are consistent with those formal definitions and are provided here to give additional guidance in the Implementation of ANSI X12 standards within the Ameritech Billing Verification and Authorization for Payment Process (BVAPP), a sub-system of Plug-in Inventory Control System/Detail Continuing Property Record (PICS/DCPR).

<u>Transaction Set</u>. The Purchase Order Acknowledgment transaction set reviewed by the Ameritech Mechanized Order Acknowledgment/Mechanized Invoice (MOA/MI) Task Force is described in a separate section of this document. The transaction-set specifications are pre-sented in the table. The table provides the data segment, the TCIF requirement designators, maximum use, loop I.D./repeat counts, and the Ameritech BVAPP requirement designators by PIC/DPC order subsystem for each of the areas of the transaction set. Explanatory comments, which relate to the use of certain segments and loops are also included in the table.

<u>Segment Diagram</u>. The layout of the data segments used with the Purchase Order Acknowl-edgment transaction set are described pictorially in a manner similar to the example below:

SE - TRANSACTION SET TRAILER

Purpose: To specify the end of a transaction set.

Spec: Mandatory, Max Length = 20, Max Use = 1

Diagram:

SE	*	SE01 96 NUMBER OF INCLUDED SEGMENTS M N0 01/06	*	SE02 329 TRANS. SET CONTROL NO. M AN 04/09	N L

All segment diagrams are preceded by an a Purpose statement and a Specification statement indicating whether the segment is Mandatory, Optional, or Floating and its Maximum (or fixed) length. The specified maximum length is the length defined by ANSI X12 and, therefore, may differ from the TCIF or the Ameritech BVAPP length due to data elements not used by T1 or not recommended by Ameritech. Also indicated are its maximum use within a loop and, if appli-cable, its position within a loop. Loop Positions are indicated by one of the following:

- Loop Start

- Within Loop

- Loop End

(A loop is defined as a repeating group of one or more data segments. In order for a loop to exist, the first data segment in the loop must appear; other segments defined as either "Within Loop" or "Loop End" need not appear for the loop to exist.)

The components of the Diagram shown in the example are as follows:

"SE" (or the equivalent) in the leftmost block is the Segment Identifier and is used to reference the segment. The example depicts the "SE" (or "Transaction Set Trailer") segment.

The upper left corner of each block is used to display the Data Element Sequence Number within the segment; the upper right corner of each block is used to display the ANSI X12 Data Element Number; and the center of each block is used to display the ANSI X12 Data Element Name. In the example, "SE01" is used to indicate the first ("01") data element in the "SE" segment. Its ANSI X12 Data Element Number is 96 and the ANSI X12 Data Element Name is "Number of Included Segments." The Data Element length, where applicable, is specified in the lower right corner of each block. In the example, the Number of Included Segments (SE01) is shown with a length of "01/06." The digits to the left of the slash (/) indicate the minimum element length while those digits to the right of the slash indicate a maximum length. A fixed element length is indicated by equal minimum and maximum lengths.

Asterisks (*) in the example represent the Data Element Separator as defined in the Interchange Control Header segment (ISA).

The "NL," or New Line, value (Hexadecimal "15") in the diagram represents the Data Segment Terminator as defined in the Interchange Control Header segment (ISA).

The Data Element Requirement Designator is specified in the lower left corner of each block. In the example, the Number of Included Segments (SE01), Data Element #96, is shown with the "M" designator. Designator codes and their meanings are shown below:

- M - Mandatory. This data element must appear in the segment.

- C - Conditional. The use of this data element is based on the condition of some other data element within the same segment.

- O - Optional. The use of this data element in the segment is either at the option of the sending party or is based on mutual agreement between affected trading partners.

- @ - NOT USED BY T1. (See "NOT USED BY T1" below.)

- § - Indicates the T1 designations "optional" and/or "conditional" for a Data Segment or Element has been changed to "mandatory" for Ameritech BVAPP Implementation.

The Data Element Type is specified at the bottom of each block, centered. In the example, the Number of Included Segments (SE01) is specified as type "N0" (zero). Allowable types and their meanings are shown below:

- AN - String. Upper-case letters, digits, spaces, and punctuation marks. Trading partners may elect to include lower-case letters and other special characters. It should be left-justified.

- DT - Date, A Date data element is specified in the format YYMMDD where YY indicates the last two digits of the year, MM indicates the month number, and DD indicates the day–e.g., 870109 for January 9, 1987.

- ID - Identifier. Allowable values for Identifier data elements are taken from predefined lists maintained by the ANSI X12 committee as modified by the TCIF (see "T1-RECOGNIZED" below).

- Nn - Numeric. In the representation "Nn" the "N" indicates Numeric and the "n" indicates the decimal place to the right of a fixed implied decimal point. The decimal point is fixed and not entered as part of the value. Optional leading signs (+ or -) are allowed but not included in the data element length. The absence of a sign indicates a positive value. The value shall be right-justified in the field and the field shall be zero filled, if necessary, to meet the minimum length.

- R - Decimal. The decimal point (.) is optional in the representation of integers under the Decimal data type, but it is required for fractional values. Optional leading signs (+ or -) are allowed. The absence of a sign indicates a positive value. The value shall be right justified within the data element length and optional signs and the decimal point are not included in the data element length.

- TM - Time. A Time data element is specified in the format HHMM where HH indicates the hour on a 24-hour clock and MM indicates the minute–e.g., 1440 for 2:40 PM.

TI-recognized. When applied to a code list–i.e., a list of valid codes for an ID type data element– the descriptor "TI-recognized" indicates that the specified list is a subset of the corresponding ANSI list for the ID-type data element. TI-recognized codes are those ANSI codes determined by the TCIF to be specifically applicable to the Telecommunications Industry. In some cases the TI-recognized list and the ANSI list will be identical. In other cases, however, the TI-recognized list will be shorter; the shorter list being the result of the elimination of certain codes by the TCIF that are not applicable to the Telecommunications Industry. The "ZZ" (Mutually Defined) code will not be included in a code list.

Ameritech preferred. When applied to a code list–i.e., a list of valid codes for an ID type data element–the descriptor "Ameritech preferred" indicates that the specified list is a subset of the corresponding ANSI or TCIF list for the ID-type data element. Ameritech preferred codes are those ANSI codes determined by the Ameritech MOA/MI Task Force to be specifically applicable to the Ameritech BVAPP Implementation. The Ameritech referred codes are designated by PICS/DCPR order subsystem (See HARDWIRED, PLUG-IN, REPAIR). If the PICS/DCPR order subsystem is not shown, the Ameritech preferred codes are applicable to both the HARDWIRED and PLUG-IN PICS/DCPR order subsystems.

Ameritech BVAPP Terminology for Recommendation. The Ameritech MOA/MI Task Force has determined the applicability of all of the Data Segments and Elements shown in the TCIF Guidelines for Electronic Data Interchange for use in the Ameritech BVAPP Implementation. The following terminology is used throughout this document to indicate the applicability:

MANDATORY - Mandatory indicates the Data Segment or Data Element must be provided. If the Data Segment or Element is not provided the Transaction Set will be rejected by BVAPP. Mandatory is designated as an "M" in the "Rec Spec" columns of the table.

STRONGLY RECOMMENDED - Strongly Recommended indicates the Data Segment or Element should be provided. If the Data Segment or Element is not provided the Transaction Set will be loaded with errors that could delay processing of the Transaction Set in BVAPP. Strongly Recommended is designated as an "SR" in the "Rec Spec" columns of the table.

RECOMMENDED - Recommended indicates the Data Segment or Element may be provided. If the Data Segment or Element is not provided the Transaction Set may or may not be loaded with errors, but will not delay processing of the Transaction Set in BVAPP. Recommended is designated as an "R" in the "Rec Spec" columns of the table.

NON RECOMMENDED - Not Recommended indicates the Data Segment or Element is not used in BVAPP. If the Data Segment or Element is provided, it will be reported but not used. Not Recommended is designated as an "NR" in the "Rec Spec" columns of the table.

USED - Used indicates the Data Segment or Element is used in BVAPP. Used is designated as a "U" in the Used/Rptd" columns of the table.

REPORTED - Reported indicates the Data Segment is not used in BVAPP but is shown on a report. Reported is designated as an "R" in the "Used/Rptd" columns of the table.

REC MAX - "Rec Max" columns in the table indicate the recommended maximum length of a Data Element in BVAPP. If the Data Element provided is longer than the Rec Max, the additional characters will be reported but not used.

HARDWIRED - PICS/DCPR has three order subsystems. The range of the order number determines which subsystem will be accessed for BVAPP. The intermingling of Data Segments/ Elements between different order number ranges may cause delay of processing the Transaction Set in BVAPP. The HARDWIRED order number ranges for the Ameritech Bell Companies (ABCs) may be obtained from that company's Ameritech BVAPP MOA/MI Coordinator. (See Appendix 1.)

PLUG-IN - PICS/DCPR has three order subsystems. The range of the order number determines which subsystem will be accessed for BVAPP. The intermingling of Data Segments/Elements between different order number ranges may cause delay of processing the Transaction Set in BVAPP. The PLUG-IN order number ranges for the Ameritech Bell Companies (ABCs) may be obtained from that company's Ameritech BVAPP MOA/MI Coordinator. (See Appendix 1.)

REPAIR - PICS/DCPR has three order subsystems. The range of the order number determines which subsystem will be accessed for BVAPP. The intermingling of Data Segments/Elements between different order number ranges may cause delay of processing the Transaction Set in BVAPP. The REPAIR order number ranges for the Ameritech Bell Companies (ABCs) may be obtained from that company's Ameritech BVAPP MOA/MI Coordinator. (See Appendix 1.) The REPAIR order number ranges are NOT RECOMMENDED for Purchase Order Acknowledgment.

NOT USED BY TI. Both valid ANSI X12 data elements and ANSI X12 data segments may be described in this Guidelines as "NOT USED BY TI." This specification is used to indicate that it has been determined by the TCIF that there is not a valid business reason within the Telecommunications industry for the inclusion of the particular data element or segment in an electronic document. "NOT USED BY TI" data segments are only indicated in the table. In order to obtain the specifications for "NOT USED BY TI" data segments, the applicable ANSI X12 documentation should be consulted.

Control Segment Relationships. Control segments have a nested relationship to the associated transaction sets as shown in the diagram below.

```
ISA Interchange Control Header - starts an electronic interchange
     GS Functional Group Header - starts a group of related transaction sets
          ST Transaction Set Header - starts a transaction set
          ..
               Transaction Set segments
          ..
          SE Transaction Set Trailer - ends a transaction set
          ST Transaction Set Header - starts a transaction set
          ..
               Transaction Set segments
          ..
          SE Transaction Set Trailer - ends a transaction set
     GE Functional Group Trailer - ends a group of related transaction sets

     GS Functional Group Header - starts a group of related transaction sets
          ST Transaction Set Header - starts a transaction set
          ..
               Transaction Set segments
          ..
          SE Transaction Set Trailer - ends a transaction set
          ST Transaction Set Header - starts a transaction set
          ..
               Transaction Set segments
          ..
          SE Transaction Set Trailer - ends a transaction set
     GE Functional Group Trailer - ends a group of related transaction sets
IEA Interchange Control Trailer - ends an electronic interchange
```

TO PREVENT A "MATCHING ORDER ITEM NOT FOUND" THE FOLLOWING DATA ELE-
MENTS MUST MATCH ON THE POA855 AND MI810 TRANSACTION SETS.

MOA - 855

DATA ELEMENT	PLUG-IN	HARDWIRE
BAK03	X	X
BAK09		X
M1043 SE BY	X	X
N1/N102 X	X	X
N2	X	X
N3	X	X
N4	X	X
PO101	X	X
PO104 PO304	X	X
PO106/VX ACK07		X
PO106/VS ACK07		X
PO106/CI ACK07	X	X
PO106/MF ACK07		X
PO106/PN ACK07		X
PO106/VU ACK07		X
SLN01		
SLN06 PO304 X		
SLN09/VX ACK07		X
SLN09/CI ACK07		X
SLN09/MF ACK07		X
SLN09/PN ACK07		X
SLN09/VN ACK07		X
SLN09/VU ACK07		X

MI - 810

	DATA ELEMENT	PLUG-IN	HARDWIRE
	BIG04	X	X
	IT1/VO		X
	N1043 SE BY	X	X
	N1/N102		X
	N2	X	X
	N3	X	X
	N4	X	X
	IT101	X	X
	IT104	X	X
	IT106/VX ACK07		X
X	IT106/VX ACK07	X	X
	IT106/CI ACK07	X	X
X	IT106/MF ACK07	X	X
X	IT106/PN ACK07	X	X
X	IT106/VU ACK07	X	X
X	IT106/VS		X
X	IT104		X
	IT106/VS ACK07		X
	IT106/CI ACK07		X
	IT106/MF ACK07		X
	IT106/PN ACK07		X
	IT106VN ACK07		X
	IT106/VU ACK07		X

Note: N104 is preferred using the DUNS #. If N104 is not used, N1/N102 associated with N2, N3, N4 is rquired.

If price change occurred PO304 must be used to change the price of PO104.

If there are changes to PO106/IT106 or SLN09/IT106, ACK07 must follow on a preceding transmission.

PURCHASE ORDER ACKNOWLEDGEMENT (855) TABLE

Data Element	Spec	Type	TCIF Length Min	Max	Max Use	HARDWIRED Rec Spec	Rec Max	Used/ Rptd	PLUG-IN Rec Spec	Rec Max	Used/ Rptd	REPAIR Rec Spec	Rec Max	Used/ Rptd	NOTES
CONTROL SEGMENTS - START															
ISA	M			106	1	M	U		M	U		NR	R		
ISA01	M	ID	02	02		M	U		M	U		NR	R		ALWAYS 00 (ZEROS
ISA02	M	AN	10	10		M	U		M	U		NR	R		ALWAYS 10 BLANKS
ISA03	M	ID	02	02		M	U		M	U		NR	R		ALWAYS 00 (ZEROS)
ISA04	M	AN	10	10		M	U		M	U		NR	R		ALWAYS 10 BLANKS
ISA05	M	ID	02	02		M	U		M	U		NR	R		01 OR 91 PREFERRED
ISA06	M	AN	15	15		M	U		M	U		NR	R		
ISA07	M	ID	02	02		M	U		M	U		NR	R		01 OR 92 PREFERRED
ISA08	M	AN	15	15		M	U		M	U		NR	R		
ISA09	M	DT	06	06		M	U		M	U		NR	R		YYMMDD (LOCAL TO SENDER)
ISA10	M	TM	04	04		M	U		M	U		NR	R		HHMM (LOCAL TO SENDER)
ISA11	M	ID	01	01		M	U		M	U		NR	R		ALWAYS U
ISA12	M	ID	05	05		M	U		M	U		NR	R		ALWAYS 00200
ISA13	M	N0	09	09		M	U		M	U		NR	R		MUST EQUAL IEA02 ELEMENT
ISA14	M	ID	01	01		M	U		M	U		MR	R		0 (NO) OR 1 (YES)
ISA15	M	ID	01	01		M	U		M	U		NR	R		T (TEST) OR P (PRODUCTION)
ISA16	M	ID	01	01		M	U		M	U		NR	R		7 (HEX 5F)
GS	M			70	1	M	U		M	U		NR	R		
GS01	M	ID	02	02		M	U		M	U		NR	R		PO
GS02	M	ID	02	12		M	U		M	U		NR	R		SAME AS FIRST 12 CHAR OF ISA06
GS03	M	ID	02	12		M	U		M	U		NR	R		SAME AS FIRST 12 CHAR OF ISA08
GS04	M	DT	06	06		M	U		M	U		NR	R		YYMMDD (LOCAL TO SENDER)
GS05	M	TM	04	04		M	U		M	U		NR	R		HHMM (LOCAL TO SENDER)
GS06	M	N0	01	09		M	U		M	U		NR	R		MUST EQUAL GE02 ELEMENT
GS07	M	ID	01	02		M	U		M	U		NR	R		X
GS08	M	ID	01	12		M	U		M	U		NR	R		002000TI0100

HEADER SEGMENTS

Data Element	Spec	Type	TCIF Length Min	Max	Max Use	HARDWIRED Rec Spec	Rec Max	Used/ Rptd	PLUG-IN Rec Spec	Rec Max	Used/ Rptd	REPAIR Rec Spec	Rec Max	Used/ Rptd	NOTES
ST	M			17	1	M	U		M	U		NR	R		
ST01	M	ID	03	03		M	U		M	U		NR	R		855
ST02	M	AN	04	09		M	U		M	U		NR	R		MUST EQUAL SE02 ELEMENT

PURCHASE ORDER ACKNOWLEDGMENT (855) TABLE

Data Element	Spec	Type	TCIF Length Min	TCIF Length Max	Max Use	AMERITECH BVAPP HARDWIRED Rec Spec	Rec Max	Used/ Rptd	PLUG-IN Rec Spec	Rec Max	Used/ Rptd	REPAIR Rec Spec	Rec Max	Used/ Rptd	NOTES
HEADER SEGMENTS (Continued)															
BAK	M			187	1	M		U	M		U	NR		R	
BAK01	M	ID	02	02		M		U	M		U	NR		R	
BAK02	M	ID	02	02		M		U	M		U	NR		R	
BAK03	M	AN	01	22		M	10	U	M		U	NR		R	REQUISTION/TEO NUMBER
BAK04	M	DT	06	05		M		U	M	10	U	NR		R	BUYER'S ORDER DATE
BAK05	O	AN	01	10		R		R	R		R	NR		R	
BAK06	@	AN	01	08											
BAK07	O	AN	01	45		SR	07	U	NR	07	U	NR		R	AUTHORITY NUMBER
BAK08	O	AN	01	30		R	10	R	NR		R	NR		R	GENERAL PURCH. AGREEMENT
BAK09	O	AN	01	22		R	08	U	NR		R	NR		R	VENDOR'S ORDER NUMBER
BAK10	O	DT	06	05		M		U	M		U	NR		R	
NTE	F			69	100	NR		R	NR		R	NR		R	
NTE01	O	ID	03	03		NR		R	NR		R	NR		R	
NTE02	M	AN	01	60		NR		R	NR		R	NR		R	
CUR	O			109	1	NR		R	NR		R	NR		R	
CUR01	M	ID	02	02		NR		R	NR		R	NR		R	
CUR02	M	ID	03	03		NR		R	NR		R	NR		R	
CUR03	O	R	04	06		NR		R	NR		R	NR		R	
CUR04	O	ID	02	02		NR		R	NR		R	NR		R	
CUR05	O	ID	03	03		NR		R	NR		R	NR		R	
CUR06	O	ID	03	03		NR		R	NR		R	NR		R	
CUR07	C	ID	03	03	5/S	NR		R	NR		R	NR		R	
CUR08	O	DT	06	06	5/S	NR		R	NR		R	NR		R	
CUR09	O	TM	04	04	5/S	NR		R	NR		R	NR		R	
TAX	O			170	1	R		R	NR		R	NR		R	ILLINOIS BELL ONLY
TAX01	C	AN	01	20		NR		R	NR		R	NR		R	
TAX02	O	ID	02	02	5/S	R		R	NR		R	NR		R	"TX"
TAX03	C	AN	01	25	5/S	R		R	NR		R	NR		R	PER ILLINOIS BELL
N1	M			63	1/L 5LS	M		U	M		U	NR		R	
N101	M	ID	02	02		M			M			NR		R	BY AND PE
N102	C	AN	01	35		NR		U	NR		U	NR		R	
N103	C	ID	01	02		SR		U	SR		U	NR		R	(01 OR 92) AND (01 OR 91) PREFERRED
N104	C	AN	02	17		SR	12	U	SR	12	U	NR		R	

PURCHASE ORDER ACKNOWLEDGMENT (855) TABLE

Data Element	Spec	Type	TCIF Length Min	TCIF Length Max	Max Use	HARDWIRED Rec Spec	HARDWIRED Rec Max	HARDWIRED Used/ Rptd	PLUG-IN Rec Spec	PLUG-IN Rec Max	PLUG-IN Used/ Rptd	REPAIR Rec Spec	REPAIR Rec Max	REPAIR Used/ Rptd	NOTES

HEADER SEGMENTS (Continued)

Data Element	Spec	Type	Min	Max	Max Use	Rec Spec	Rec Max	Used/Rptd	Rec Spec	Rec Max	Used/Rptd	Rec Spec	Rec Max	Used/Rptd	NOTES
N2	O			75	2/L	NR		U	NR		U	NR		R	
N201	M	AN	01	35		NR	05	U	NR	05	U	NR		R	
N202	O	AN	01	35		NR		R	NR		R	NR		R	
N3	O			75	2/L	NR		U	NR		U	NR		R	
N301	M	AN	01	35		NR		U	NR		U	NR		R	
N302	O	AN	01	35		NR	23	U	NR	23	U	NR		R	
N4	O			68	1/L	NR		U	NR		U	NR		R	
N401	M	AN	02	19		NR		U	NR		U	NR		R	
N402	C	ID	02	02		NR		U	NR		U	NR		R	
N403	O	ID	05	09		NR		U	NR		U	NR		R	
N404	O	ID	02	02		NR		U	NR		U	NR		R	
N405	@	ID	02	02											
N406	@	AN	01	25											
REF	0			119	12/L	NR		R	NR		R	NR		R	HW REQ'S ONLY
REF01	M	ID	02	02		NR		R	NR		R	NR		R	USE "CR"
REF02	C	AN	01	30		NR	07	R	NR		R	NR		R	ACCOUNTING LOCATION
REF03	C	AN	01	80		NR		R	NR		R	NR		R	
PER	O			114	3/LE	NR		R	NR		R	NR		R	
PER01	M	ID	02	02		NR		R	NR		R	NR		R	
PER02	O	AN	01	35		NR		R	NR		R	NR		R	
PER03	O	ID	02	02		NR		R	NR		R	NR		R	
PER04	C	AN	07	21		NR		R	NR		R	NR		R	
PER05	@	AN	01	45											
SSS	O			167	25	NR		R	NR		R	NR		R	
SSS01	M	ID	01	01		NR		R	NR		R	NR		R	
SSS02	M	ID	02	02		NR		R	NR		R	NR		R	
SSS03	M	ID	02	10		NR		R	NR		R	NR		R	
SSS04	@	AN	01	45											
SSS05	@	R	01	09											
SSS06	@	N2	01	09											
SSS07	O	AN	01	80		NR		R	NR		R	NR		R	

PURCHASE ORDER ACKNOWLEDGMENT (855) TABLE

Data Element	Spec	Type	TCIF Length Min	TCIF Length Max	Max Use	HARDWIRED Rec Spec	HARDWIRED Rec Max	HARDWIRED Used/Rptd	PLUG-IN Rec Spec	PLUG-IN Rec Max	PLUG-IN Used/Rptd	REPAIR Rec Spec	REPAIR Rec Max	REPAIR Used/Rptd	NOTES
									AMERITECH BVAPP						

HEADER SEGMENTS (Continued)

Data Element	Spec	Type	Min	Max	Max Use	Rec Spec	Rec Max	Used/Rptd	Rec Spec	Rec Max	Used/Rptd	Rec Spec	Rec Max	Used/Rptd	NOTES
CSH	O			70	1	NR	R		NR	R		NR	R		
CSH01	O	ID	01	01		NR	R		NR	R		NR	R		
CSH02	O	ID	01	01		NR	R		NR	R		NR	R		
CSH03	C	N2	02	09		NR	R		NR	R		NR	R		
CSH04	@	AN	02	30											
CSH05	O	DT	06	06		NR	R		NR	R		NR	R		
CSH06	@	ID	02	02											
CSH07	@	ID	02	10											
ITA	O			175	10	NR	U		NR	U		NR	R		
ITA01	M	ID	01	01		NR	U		NR	U		NR	R		
ITA02	O	ID	02	02		NR	R		NR	R		NR	R		
ITA03	C	ID	02	10		NR	U		NR	U		NR	R		
ITA04	M	ID	02	02		NR	U		NR	U		NR	R		
ITA05	@	AN	01	16											
ITA06	@	R	01	09											
ITA07	C	N2	01	09		NR	U		NR	U		NR	R		
ITA08	O	ID	01	01		NR	U		NR	U		NR	R		
ITA09	C	R	01	06		NR	U		NR	U		NR	R		
ITA10	@	R	01	10											
ITA11	@	ID	02	02											
ITA12	@	R	01	10											
ITA13	C	AN	01	80		NR	R		NR	R		NR	R		

PURCHASE ORDER ACKNOWLEDGMENT (855) TABLE

Data Element	Spec	Type	TCIF Length Min	Max	Max Use	AMERITECH BVAPP									NOTES
						HARDWIRED			PLUG-IN			REPAIR			
						Rec Spec	Rec Max	Used/ Rptd	Rec Spec	Rec Max	Used/ Rptd	Rec Spec	Rec Max	Used/ Rptd	

HEADER SEGMENTS (Continued)

Data Element	Spec	Type	Min	Max	Max Use	Rec Spec	Used/Rptd	Rec Spec	Used/Rptd	Rec Spec	Used/Rptd	NOTES
ITD	O			155	2	NR	R	NR	R	NR	R	
ITD01	M	ID	02	02		NR	R	NR	R	NR	R	
ITD02	M	ID	01	02		NR	R	NR	R	NR	R	
ITD03	C	R	01	06		NR	R	NR	R	NR	R	
ITD04	C	DT	06	06		NR	R	NR	R	NR	R	
ITD05	C	N0	01	03		NR	R	NR	R	NR	R	
ITD06	C	DT	06	06		NR	R	NR	R	NR	R	
ITD07	C	N0	01	03		NR	R	NR	R	NR	R	
ITD08	C	N2	01	10		NR	R	NR	R	NR	R	
ITD09	@	DT	06	06								
ITD10	@	N2	01	10								
ITD11	@	R	01	05								
ITD12	@	AN	01	80								
DTM	O			20	10	NR	R	NR	R	NR	R	
DTM01	M	ID	03	03		NR	R	NR	R	NR	R	
DTM02	C	DT	06	06		NR	R	NR	R	NR	R	
DTM03	C	TM	04	04		NR	R	NR	R	NR	R	

PURCHASE ORDER ACKNOWLEDGMENT (855) TABLE

Data Element	Spec	Type	TCIF Length Min	TCIF Length Max	Max Use	HARDWIRED Rec Spec	Rec Max	Used/ Rptd	PLUG-IN Rec Spec	Rec Max	Used/ Rptd	REPAIR Rec Spec	Rec Max	Used/ Rptd	NOTES
									AMERITECH BVAPP						

HEADER SEGMENTS (Continued)

Data Element	Spec	Type	Min	Max	Max Use	HW Rec Spec	HW Rec Max	HW Used/Rptd	PI Rec Spec	PI Rec Max	PI Used/Rptd	REP Rec Spec	REP Rec Max	REP Used/Rptd	NOTES
SHH	O			104	5	R		R	R		U	NR		R	
SHH01	M	ID	02	02		M		R	M		U	NR		R	
SHH02	M	ID	03	03		M		R	M		U	NR		R	
SHH03	C	DT	06	06		R		R	R		U	NR		R	
SHH04	C	TM	04	04		NR		R	NR		R	NR		R	
SHH05	O	AN	01	80		NR		R	NR		R	NR		R	
FOB	O			185	1	NR		R	NR		R	NR		R	
FOB01	M	ID	02	02		NR		R	NR		R	NR		R	
FOB02	O	ID	02	02		NR		R	NR		R	NR		R	
FOB03	C	AN	01	80		NR		R	NR		R	NR		R	
FOB04	O	ID	02	02		NR		R	NR		R	NR		R	
FOB05	C	ID	03	06		NR		R	NR		R	NR		R	
FOB06	O	ID	02	02		NR		R	NR		R	NR		R	
FOB07	C	AN	01	01		NR		R	NR		R	NR		R	
TD1	O			72	2	NR		R	NR		R	NR		R	
TD101	O	ID	05	05		NR		R	NR		R	NR		R	
TD102	C	N0	01	07		NR		R	NR		R	NR		R	
TD103	O	ID	01	01		NR		R	NR		R	NR		R	
TD104	C	ID	01	10		NR		R	NR		R	NR		R	
TD105	O	AN	01	25		NR		R	NR		R	NR		R	
TD106	O	ID	01	02		NR		R	NR		R	NR		R	
TD107	C	R	01	08		NR		R	NR		R	NR		R	
TD108	C	ID	02	02		NR		R	NR		R	NR		R	
TD2	O			80	12	NR		R	NR		R	NR		R	
TD201	M	ID	01	02		NR		R	NR		R	NR		R	
TD202	C	ID	01	02		NR		R	NR		R	NR		R	
TD203	C	ID	02	04		NR		R	NR		R	NR		R	
TD204	C	AN	01	35		NR		R	NR		R	NR		R	
TD205	O	ID	02	02		NR		R	NR		R	NR		R	
TD206	C	AN	01	25		NR		R	NR		R	NR		R	

PURCHASE ORDER ACKNOWLEDGMENT (855) TABLE

Data Element	Spec	Type	TCIF Length Min	Max	Max Use	AMERITECH BVAPP									NOTES
						HARDWIRED			PLUG-IN			REPAIR			
						Rec Spec	Rec Max	Used/ Rptd	Rec Spec	Rec Max	Used/ Rptd	Rec Spec	Rec Max	Used/ Rptd	

HEADER SEGMENTS (Continued)

Data Element	Spec	Type	Min	Max	Max Use	Rec Spec	Used/Rptd	Rec Spec	Used/Rptd	Rec Spec	Used/Rptd	NOTES
TD3	O			37	12	NR	R	NR	R	NR	R	
TD301	M	ID	02	02		NR	R	NR	R	NR	R	
TD302	O	AN	0	04		NR	R	NR	R	NR	R	
TD303	C	AN	01	07		NR	R	NR	R	NR	R	
TD304	O	ID	01	02		NR	R	NR	R	NR	R	
TD305	C	R	01	08		NR	R	NR	R	NR	R	
TD306	C	ID	02	02		NR	R	NR	R	NR	R	
TD307	O	ID	01	01		NR	R	NR	R	NR	R	
TD4	O			96	5	NR	R	NR	R	NR	R	
TD401	C	ID	02	03		NR	R	NR	R	NR	R	
TD402	O	ID	01	01		NR	R	NR	R	NR	R	
TD403	C	AN	02	04		NR	R	NR	R	NR	R	
TD404	C	AN	01	80		NR	R	NR	R	NR	R	
MAN	O			53	10	NR	R	NR	R	NR	R	
MAN01	M	ID	01	02		NR	R	NR	R	NR	R	
MAN02	M	AN	01	45		NR	R	NR	R	NR	R	

PURCHASE ORDER ACKNOWLEDGMENT (855) TABLE

Data Element	Spec	Type	TCIF Length Min	TCIF Length Max	Max Use	HARDWIRED Rec Spec	HARDWIRED Rec Max	HARDWIRED Used/Rptd	PLUG-IN Rec Spec	PLUG-IN Rec Max	PLUG-IN Used/Rptd	REPAIR Rec Spec	REPAIR Rec Max	REPAIR Used/Rptd	NOTES
							AMERITECH BVAPP								

DETAIL SEGMENTS

Data Element	Spec	Type	Min	Max	Max Use	Rec Spec	Rec Max	Used/Rptd	Rec Spec	Rec Max	Used/Rptd	Rec Spec	Rec Max	Used/Rptd	NOTES
PO1	O			382	1/LS	M		U	M		U	NR		R	
PO101	M	AN	01	04	10000L	M		U	M		U	NR		R	
PO102	M	R	01	09		M	08	U	M	08	U	NR		R	
PO103	M	ID	02	02		M		U	M		U	NR		R	
PO104	M	R	01	14		M		U	M		U	NR		R	
PO105	O	ID	02	02		SR		U	SR		U	NR		R	
PO106	O	ID	02	02	10/S	SR		U	SR		U	NR		R	
PO107	C	AN	01	30	10/S	SR		U	SR		U	NR		R	
SLN	O			390	1000/L	SR		U	NR		R	NR		R	
SLN01	M	AN	01	06		M	04	U	NR		R	NR		R	
SLN02	@	AN	01	02							R				
SLN03	M	ID	01	01		M		U	NR		R	NR		R	
SLN04	M	R	01	10		M	05	U	NR		R	NR		R	
SLN05	M	ID	02	02		M		U	NR		R	NR		R	
SLN06	M	R	01	14		M		U	NR		R	NR		R	
SLN07	O	ID	02	02		SR		U	NR		R	NR		R	
SLN08	M	ID	01	01		M		U	NR		R	NR		R	
SLN09	O	ID	02	02	10/S	SR		U	NR		R	NR		R	
SLN10	C	AN	01	30	10/S	SR		U	NR		R	NR		R	
J2X	O			90	1000/L	SR		U	NR		R	NR		R	
J2X01	M	ID	02	02		M		U	NR		R	NR		R	ALWAYS 'T1'
J2X02	M	ID	01	01		M		U	NR		R	NR		R	'S' (STRUCTURED) FOR ID
J2X03	M	AN	01	80		M	19	U	NR		R	NR		R	
PO3	O			131	25/L	R		U	R		U	NR		R	
PO301	M	ID	02	02		M		U	M		U	NR		R	
PO302	O	DT	06	06		R		U	R		U	NR		R	
PO303	O	ID	03	03		NR		R	NR		R	NR		R	
PO304	C	R	01	14		SR		U	SR		U	NR		R	
PO305	O	ID	02	02		SR		U	SR		U	NR		R	
PO306	M	R	01	10		M	08	U	M	08	U	NR		R	
PO307	M	ID	02	02		M		U	M		U	NR		R	
PO308	O	AN	01	80		NR	04	U	NR		R	NR		R	IF CHANGE TO SLN IS

PURCHASE ORDER ACKNOWLEDGMENT (855) TABLE

Data Element	Spec	Type	TCIF Length Min	TCIF Length Max	Max Use	HARDWIRED Rec Spec	HARDWIRED Rec Max	HARDWIRED Used/ Rptd	PLUG-IN Rec Spec	PLUG-IN Rec Max	PLUG-IN Used/ Rptd	REPAIR Rec Spec	REPAIR Rec Max	REPAIR Used/ Rptd	NOTES
						AMERITECH BVAPP									

DETAIL SEGMENTS (Continued)

Data Element	Spec	Type	Min	Max	Max Use	HW Rec Spec	HW Rec Max	HW Used/Rptd	PI Rec Spec	PI Rec Max	PI Used/Rptd	REP Rec Spec	REP Rec Max	REP Used/Rptd	NOTES
SSS	O			167	25/L	NR		R	NR		R	NR		R	
SSS01	M	ID	01	01		NR		R	NR		R	NR		R	
SSS02	M	ID	02	02		NR		R	NR		R	NR		R	
SSS03	M	ID	02	10		NR		R	NR		R	NR		R	
SSS04	@	AN	01	45											
SSS05	@	R	01	09											
SSS06	@	N2	01	09											
SSS07	O	AN	01	80		NR		R	NR		R	NR		R	
ITA	O			175	10/L	NR		U	NR		U	NR		R	
ITA01	M	ID	01	01		NR		U	NR		U	NR		R	
ITA02	M	ID	02	02		NR		U	NR		U	NR		R	
ITA03	C	ID	02	10		NR		U	NR		U	NR		R	
ITA04	M	ID	02	02		NR		U	NR		U	NR		R	
ITA05	@	AN	01	16								NR		R	
ITA06	C	R	01	09		NR		U	NR		U	NR		R	
ITA07	C	N2	01	09		NR		U	NR		U	NR		R	
ITA08	O	ID	01	01		NR		U	NR		U	NR		R	
ITA09	C	R	01	06		NR		U	NR		U	NR		R	
ITA10	@	R	01	10								NR		R	
ITA11	@	ID	02	02								NR		R	
ITA12	@	R	01	10								NR		R	
ITA13	C	AN	01	80		NR		U	NR		U	NR		R	
IT8	O			402	1/L	NR		R	NR		R	NR		R	
IT801	C	ID	01	01		NR		R	NR		R	NR		R	
IT802	C	ID	01	01		NR		R	NR		R	NR		R	
IT803	C	N2	02	09		NR		R	NR		R	NR		R	
IT804	@	AN	02	30											
IT805	C	DT	06	06		NR		R	NR		R	NR		R	
IT806	@	ID	02	02											
IT807	C	ID	01	02		NR		R	NR		R	NR		R	
IT808	O	ID	02	02	10/S	NR		R	NR		R	NR		R	
IT809	C	AN	01	30	10/S	NR		R	NR		R	NR		R	

PURCHASE ORDER ACKNOWLEDGMENT (855) TABLE

Data Element	Spec	Type	TCIF Length Min	TCIF Length Max	Max Use	HARDWIRED Rec Spec	HARDWIRED Rec Max	HARDWIRED Used/Rptd	PLUG-IN Rec Spec	PLUG-IN Rec Max	PLUG-IN Used/Rptd	REPAIR Rec Spec	REPAIR Rec Max	REPAIR Used/Rptd	NOTES
DETAIL SEGMENTS (Continued)															
TAX	O			170	1/L	NR		R	NR		R	NR		R	
TAX01	C	AN	01	20		NR		R	NR		R	NR		R	
TAX02	O	ID	02	02	5/S	NR		R	NR		R	NR		R	
TAX03	C	AN	01	25	5/S	NR		R	NR		R	NR		R	
N1	O			63	1/LLS	NR		R	NR		R	NR		R	
N101	M	ID	02	02		NR		R	NR		R	NR		R	
N102	C	AN	01	35		NR		R	NR		R	NR		R	
N103	C	ID	01	02		NR		R	NR		R	NR		R	
N104	C	AN	02	17		NR		R	NR		R	NR		R	
N2	O			75	2/LL	NR		R	NR		R	NR		R	
N201	M	AN	01	35		NR		R	NR		R	NR		R	
N202	O	AN	01	35		NR		R	NR		R	NR		R	
N3	O			75	2/LL	NR		R	NR		R	NR		R	
N301	M	AN	01	35		NR		R	NR		R	NR		R	
N302	O	AN	01	35		NR		R	NR		R	NR		R	
N4	O			68	1/LL	NR		R	NR		R	NR		R	
N401	M	AN	02	19		NR		R	NR		R	NR		R	
N402	C	ID	02	02		NR		R	NR		R	NR		R	
N403	O	ID	05	09		NR		R	NR		R	NR		R	
N404	O	ID	02	02		NR		R	NR		R	NR		R	
N405	@	ID	02	02											
N406	@	AN	01	25											
REF	O			119	12/LL	NR		R	NR		R	NR		R	
REF01	M	ID	02	02		NR		R	NR		R	NR		R	
REF02	C	AN	01	30		NR		R	NR		R	NR		R	
REF03	C	AN	01	80		NR		R	NR		R	NR		R	
PER	O			114	3/LLE	NR		R	NR		R	NR		R	
PER01	M	ID	02	02		NR		R	NR		R	NR		R	
PER02	O	AN	01	35		NR		R	NR		R	NR		R	
PER03	O	ID	02	02		NR		R	NR		R	NR		R	
PER04	C	AN	07	21		NR		R	NR		R	NR		R	
PER05	@	AN	01	45											

PURCHASE ORDER ACKNOWLEDGMENT (855) TABLE

Data Element	Spec	Type	TCIF Length Min	Max	Max Use	HARDWIRED Rec Spec	Rec Max	Used/ Rptd	PLUG-IN Rec Spec	Rec Max	Used/ Rptd	REPAIR Rec Spec	Rec Max	Used/ Rptd	NOTES
									AMERITECH BVAPP						

DETAIL SEGMENTS (Continued)

Data Element	Spec	Type	Min	Max	Max Use	HW Rec Spec	HW Rec Max	HW Used/Rptd	PI Rec Spec	PI Rec Max	PI Used/Rptd	REP Rec Spec	REP Rec Max	REP Used/Rptd	NOTES
DTM	O			20	10/L	NR		R	NR		R	NR		R	
DTM01	M	ID	03	03		NR		R	NR		R	NR		R	
DTM02	C	DT	06	06		NR		R	NR		R	NR		R	
DTM03	C	TM	04	04		NR		R	NR		R	NR		R	
SCH	O			154	104/L	NR		R	R		U	NR		R	PLUG-IN REUISITIONS ONLY
SCH01	M	R	01	10		NR		R	M		U	NR		R	
SCH02	M	ID	02	02		NR		R	M		U	NR		R	
SCH03	@	AN	01	80											
SCH04	@	ID	02	02											
SCH05	@	AN	01	35											
SCH06	M	ID	03	03		NR		R	M		U	NR		R	
SCH07	C	DT	06	06		NR		R	R		U	NR		R	
SCH08	C	TM	04	04		NR		R	NR		R	NR		R	
FOB	O			185	1/L	NR		R	NR		R	NR		R	
FOB01	M	ID	02	02		NR		R	NR		R	NR		R	
FOB02	O	ID	02	02		NR		R	NR		R	NR		R	
FOB03	C	AN	01	80		NR		R	NR		R	NR		R	
FOB04	O	ID	02	02		NR		R	NR		R	NR		R	
FOB05	C	ID	03	06		NR		R	NR		R	NR		R	
FOB06	O	ID	02	02		NR		R	NR		R	NR		R	
FOB07	C	AN	01	80		NR		R	NR		R	NR		R	
TD1	O			72	1/L	NR		R	NR		R	NR		R	
TD101	O	ID	05	05		NR		R	NR		R	NR		R	
TD102	C	N0	01	07		NR		R	NR		R	NR		R	
TD103	O	ID	01	01		NR		R	NR		R	NR		R	
TD104	C	ID	01	10		NR		R	NR		R	NR		R	
TD105	O	AN	01	25		NR		R	NR		R	NR		R	
TD106	O	ID	01	02		NR		R	NR		R	NR		R	
TD107	C	R	01	08		NR		R	NR		R	NR		R	
TD108	C	ID	02	02		NR		R	NR		R	NR		R	

PURCHASE ORDER ACKNOWLEDGMENT (855) TABLE

Data Element	Spec	Type	TCIF Length Min	TCIF Length Max	Max Use	HARDWIRED Rec Spec	Rec Max	Used/ Rptd	PLUG-IN Rec Spec	Rec Max	Used/ Rptd	REPAIR Rec Spec	Rec Max	Used/ Rptd	NOTES

DETAIL SEGMENTS (Continued)

Data Element	Spec	Type	Min	Max	Max Use	HW Rec Spec	HW Rec Max	HW Used/Rptd	PI Rec Spec	PI Rec Max	PI Used/Rptd	REP Rec Spec	REP Rec Max	REP Used/Rptd	NOTES
TD2	O			80	12/L	NR		R	NR		R	NR		R	
TD201	M	ID	01	02		NR		R	NR		R	NR		R	
TD202	C	ID	01	02		NR		R	NR		R	NR		R	
TD203	C	ID	02	04		NR		R	NR		R	NR		R	
TD204	C	AN	01	35		NR		R	NR		R	NR		R	
TD205	O	ID	02	02		NR		R	NR		R	NR		R	
TD206	C	AN	01	25		NR		R	NR		R	NR		R	
TD3	O			37	12/L	NR		R	NR		R	NR		R	
TD301	M	ID	02	02		NR		R	NR		R	NR		R	
TD302	O	AN	01	04		NR		R	NR		R	NR		R	
TD303	C	AN	01	07		NR		R	NR		R	NR		R	
TD304	O	ID	01	02		NR		R	NR		R	NR		R	
TD305	C	R	01	08		NR		R	NR		R	NR		R	
TD306	C	ID	02	02		NR		R	NR		R	NR		R	
TD307	O	ID	01	01		NR		R	NR		R	NR		R	
TD4	O			96	5/L	NR		R	NR		R	NR		R	
TD401	C	ID	02	03		NR		R	NR		R	NR		R	
TD402	O	ID	01	01		NR		R	NR		R	NR		R	
TD403	C	AN	02	04		NR		R	NR		R	NR		R	
TD404	C	AN	01	80		NR		R	NR		R	NR		R	
MAN	O			53	10/L	NR		R	NR		R	NR		R	
MAN01	M	ID	01	02		NR		R	NR		R	NR		R	
MAN02	M	AN	01	45		NR		R	NR		R	NR		R	
ACK	O			418	104/LE	R		R	R		U	NR		R	
ACK01	M	ID	02	02		M		R	M		U	NR		R	
ACK02	O	R	01	10		SR	8	R	SR	8	U	NR		R	MUST EQUAL PO102
ACK03	C	ID	02	02		SR		R	SR		U	NR		R	MUST EQUAL PO105
ACK04	O	ID	03	03		NR		R	NR		R	NR		R	
ACK05	C	DT	06	06		NR		R	NR		R	NR		R	
ACK06	O	AN	01	45		NR		R	NR		R	NR		R	
ACK07	O	ID	02	02	10/S	SR		R	SR		U	NR		R	
ACK08	C	AN	01	30	10/S	SR		R	SR		U	NR		R	

PURCHASE ORDER ACKNOWLEDGMENT (855) TABLE

Data Element	Spec	Type	TCIF Length Min	TCIF Length Max	Max Use	HARDWIRED Rec Spec	HARDWIRED Rec Max	HARDWIRED Used/ Rptd	PLUG-IN Rec Spec	PLUG-IN Rec Max	PLUG-IN Used/ Rptd	REPAIR Rec Spec	REPAIR Rec Max	REPAIR Used/ Rptd	NOTES
								AMERITECH BVAPP							

SUMMARY SEGMENTS (Continued)

CTT	M			127	1	M		U	M		U	NR		R	
CTT01	M	N0	01	06		M		U	M		U	NR		R	
CTT02	O	R	01	10		SR		U	SR		U	NR		R	
CTT03	@	R	01	08											
CTT04	@	ID	02	02											
CTT05	@	R	01	08											
CTT06	@	ID	02	02											
CTT07	@	AN	01	80											
SE	M			20	1	M		U	M		U	NR		R	
SE01	M	N0	01	06		M		U	M		U	NR		R	
SE02	M	AN	04	09		M		U	M		U	NR		R	MUST EQUAL ST02 ELEMENT

CONTROL SEGMENT - END

GE	M			20	1	M		U	M		U	NR		R	
GE01	M	N0	01	06		M		U	M		U	NR		R	TOTAL # OF TRANSACTION SETS
GE02	M	N0	01	09		M		U	M		U	NR		R	MUST EQUAL GS06 ELEMENT
IEA	M			20	1	M		U	M		U	NR		R	
IEA01	M	N0	01	05		M		U	M		U	NR		R	TOTAL # OF FUNCTIONAL GROUPS
IEA02	M	N0	09	09		M		U	M		U	NR		R	MUST EQUAL ISA13 ELEMENT

2.   CONTROL SEGMENTS

ISA - INTERCHANGE CONTROL HEADER

Purpose: To start and identify an interchange of one or more functional groups. ISA is an approved ANSI segment and will be published in the next release.

Spec: Mandatory, Fixed Length = 106, Max Use = 1

Diagram:

NOTE 1 Data Element Separator

The Data Element Separator is a special character used to separate data elements within a segment. The first occurrence of the Data Element Separator (the fourth character in the ISA header segment) defines the value of the Data Element Separator for the entire interchange. It must be used consistently in all segments between each ISA header and corresponding IEA trailer. It CANNOT be used as data within a data element. For the purpose of this document, an asterisk(*) will be used as the Data Element Separator.

The Ameritech preferred Data Element Separator is the '¬' character (hexadecimal 5F).

NOTE 2 Data Segment Terminator

The Data Segment Terminator is a special character used to terminate every segment within an interchange. The first occurrence of the Data Segment Terminator (the special character immediately following the Subelement Separator ISA 16) defines the value of the Data Segment Terminator for the entire interchange. It must be used consistently to end all data segments that are between each ISA header and corresponding IEA trailer. It CANNOT be used as data within a data element. For the purpose of this document, the New Line character (hexadecimal 15) is the special character used for the Data Element Separator.

> The Ameritech preferred Data Segment Terminator is the '|' character (hexadecimal 4F).

ISA01.   Authorization Information Qualifier (Data Element #744)

  (Spec: Mandatory Type=ID Min/Max = 02/02)

This qualifier is used to designate the type of information contained in the Authorization Information (ISA02) data element. The only TI-recognized code for this transaction is:

CODE	DEFINITION
00	No authorization information is present

ISA02.   Authorization Information (Data Element #745)

  (Spec: Mandatory Type = AN Min/Max = 10/10)

The Authorization Information, in conjunction with the Authorization Information Qualifier (ISA01), supplies additional sender identification or additional sender authorization for the data contained in the message. The only TI-recognized value for this data element is 10 blanks.

ISA03.   Security Information Qualifier (Data Element #746)

  (Spec: Mandatory Type = ID Min/Max = 02/02)

This qualifier is used to designate the type of information contained in the Security Information (ISA04) data element. The only TI-recognized for this transaction is:

CODE	DEFINITION
00	No security information is present

ISA04. Security Information (Data Element #747)

  (Spec: Mandatory Type = AN Min/Max = 10/10)

The Security Information, in conjunction with the Security Information Qualifier (ISA03), supplies security information for the sender of the message. The only TI-recognized value for this data element is 10 blanks.

ISA05. Interchange I.D. Qualifier   (Data Element #704)

  (Spec: Mandatory Type = ID Min/Max = 02/02)

This qualifier is used to designate the system and/or method of code structure used in the Interchange Sender I.D. (ISA06) following. The preferred TI-recognize codes, their definition, and authority are:

CODE	DEFINITION	AUTHORITY
01	DUNS Number	Dun and Bradstreet
02	SCAC	Standard Carrier Alpha Code
03	FMC	Federal Maritime Commission
04	IATA	International Air Transport
08	UPC	UPC Council
09	DUNS with 4-digit suffix	Dun and Bradstreet
11	DEA	Drug Enforcement Administration
12	Telephone Number	Telephone Company

A complete list of the TI-recognized codes can be found in Appendix A, code list #66.

The Ameritech preferred Interchange I.D. Qualifier for the Interchange Sender ID are the DUNS Number (01) or Assigned by Seller or Seller's Agent (91).

ISA06. Interchange Sender I.D. (Data Element #705)

  (Spec: Mandatory Type = AN Min/Max = 15/15)

The Interchange Sender I.D., in conjunction with the Interchange I.D. Qualifier (ISA05), designates the sender of the message. This identifier is mutually agreed upon by both the sender and the receiver of the message in advance of transmission.

ISA07.   Interchange I.D. Qualifier   (Data Element #704)

(Spec: Mandatory Type = ID Min/Max = 02/02)

This qualifier is used to designate the system and/or method of code structure used in the Interchange Receiver I.D. (ISA08) following. The preferred TI-recognized codes, their definition, and authority are:

CODE	DEFINITION	AUTHORITY
01	DUNS Number	Dun and Bradstreet
02	SCAC	Standard Carrier Alpha Code
03	FMC	Federal Maritime Commission
04	IATA	International Air Transport
08	UPC	UPC Council
09	DUNS with 4-digit suffix	Dun and Bradstreet
11	DEA	Drug Enforcement Administration
12	Telephone Number	Telephone Company

A complete list of the TI-recognized codes can be found in Appendix A, Code list #66.

> The Ameritech preferred Interchange I.D. Qualifier for the Interchange Receiver ID are the DUNS Number (01) or Assigned by Buyer (92).

ISA08.   Interchange Receiver I.D. (Data Element #706)

(Spec: Mandatory Type = AN Min/Max = 15/15)

The Interchange Receiver I.D., in conjunction with the Interchange I.D. Qualifier (ISA07), designates the receiver of the message. This identifier is mutually agreed upon by both the sender and the receiver of the message in advance of transmission.

> The valid Receiver ID's for the Ameritech Bell Companies (ABCs) may be obtained from the ABC BVAPP coordinator shown in Appendix 1.

ISA09.   Interchange Submit Date (Data Element #373)

(Spec: Mandatory Type = DT Min/Max = 06/06)

This data element specifies the date, in YYMMDD format, that the sender created the message enclosed by the Interchange Control Header (ISA) and the Interchange Control Trailer (IEA). This date is local to the sender.

ISA10.   Interchange Submit Time (Data Element #337)

  (Spec: Mandatory Type = TM Min/Max = 04/04)

This data element specifies the time in HHMM format, based on a 24-hour clock, that the sender created the message enclosed by the Interchange Control Header (ISA) and the Interchange Control Trailer (IEA). This time is local to the sender.

ISA11.   Interchange Standards Identifier (Data Element #726)

  (Spec: Mandatory Type = ID Min/Max = 01/01)

This identifier is used to designate the organization responsible for the document standard used by the message that is enclosed by the Interchange Control Header (ISA) and the Interchange Control Trailer (IEA). For those messages developed within the TCIF guidelines, the value of this identifier will be 'U', (USA).

ISA12.   Interchange Version ID (Data Element #703)

  (Spec: Mandatory Type = ID Min/Max = 05/05)

The Interchange Version designates specifically which document standard is used by the message that is enclosed by the Interchange Control Header (ISA) and the Interchange Control Trailer (IEA). Positions 1-3 of this data element specify the major version number and positions 4-5 specify the release level of the version number.

The TI-recognized Interchange Version is: 00200

ISA13.   Interchange Control Number (Data Element #709)

  (Spec: Mandatory Type = N0 Min/Max = 09/09)

The Interchange Control Number is generated by the sender of the interchange and is used by the sender to uniquely identify the interchange. In conjunction with the Interchange Sender I.D. (ISA06), it uniquely identifies the interchange to the receiver. The value of the Interchange Control Number must match the value in the same element in the Interchange Control Trailer (IEA).

Ameritech RECOMMENDS the Interchange Control Number be sequential from one transmission to next. This will ensure that no transmissions are lost in transit.

ISA14. Acknowledge Requested (Data Element #749)

 (Spec: Mandatory Type = ID Min/Max = 01/01)

The Acknowledge Requested data element is used to request a mechanized interchange ac-
knowledgment. The preferred TI-recognized codes for this transaction are:

CODE	DEFINITION
0	No acknowledgement requested
1	Interchange acknowledgement requested

A complete list of the TI-recognized codes can be found in Appendix A.

Ameritech will provide paper acknowledgment of interchanges received.

ISA15. Test Indicator (Data Element #748)

 (Spec: Mandatory Type = ID Min/Max = 01/01)

The Test Indicator data element is used to identify whether the data enclosed in this inter-
change envelope is test data or production data. The preferred TI-recognized codes for this
transaction are:

CODE	DEFINITION
T	Test data
P	Production data

A complete list of the TI-recognized codes can be found in Appendix A.

ISA16. Subelement Separator (Data Element #701)

 (Spec: Mandatory Type = AN Min/Max = 01/01)

The Subelement Separator, currently reserved for future use, is a special character which will
separate a data element into data element subgroups. For the interim, it is recommended that
the Subelement Separator value contain the same character as the Data Element Separator.

The Ameritech preferred Subelement Separator is the '¬' character (hexadecimal 5F).

GS - FUNCTIONAL GROUP HEADER (START)

Purpose: To start and identify a group of functionally related transaction sets (documents) and provide control and application identification information.

Spec: Mandatory, Max Length = 70, Max Use = 1

Diagram:

GS01.   Function I.D. (Data Element #479)

 (Spec: Mandatory Type = ID Min/Max = 02/02)

The Functional I.D. identifies the group of transaction sets bounded by the Functional Group Header (GS) – i.e., "Group Start" – segment and the Functional Group Trailer (GE) – i.e., "Group End" – segment.

The preferred TI-recognized codes and their definitions are:

CODE	DEFINITION
FA	Functional Acknowledgement Transactions
IN	Invoice Related Transactions
PO	Purchase Order Related Transactions

QG	Quotation Related Transactions
SH	Shipment Related Transactions

A complete list of the TI-recognized codes can be found in Appendix A.

> The Ameritech preferred Functional I.D. code is Purchase Order Related Transactions (PO).

GS02.   Application Sender's Code (Data Element #142)

  (Spec: Mandatory Type = ID Min/Max = 02/12)

All Application Sender's Code designates the sender of the transaction set(s) bounded by the Group Start (GS) segment and the Group End (GE) segment. Normally, this code will be the same as the first twelve characters (with trailing blanks suppressed) of the Interchange Sender I.D. (ISA06), Data Element #705, from the Interchange Control Header (ISA) segment.

This identifier is mutually agreed upon by both the sender and the receiver of the transaction in advance of the transmission.

GS03.   Application Receiver's Code (Data Element #124)

  (Spec: Mandatory Type = ID Min/Max = 02/12)

The Application Receiver's code designates the receiver of the transaction set(s) bounded by the Group Start (GS) segment and the Group End (GE) segment. Normally, this code will be the same as the first twelve characters (with trailing blanks suppressed) of the Interchange Receiver I.D. (ISA08), Data Element #706, from the Interchange Control Header (ISA) segment.

> The valid Receiver ID's for the Ameritech Bell Companies (ABCs) may be obtained from the ABC BVAPP coordinator shown in Appendix 1.

GS04.   Data Interchange Date (Data Element #29)

  (Spec: Mandatory Type = DT Min/Max = 06/06)

This data element supplies the date that the sender created the transaction set(s) bounded by the Group Start (GS) and Group End (GE) segments. This date is local to the sender.

GS05.   Data Interchange Time (Data Element #30)

  (Spec: Mandatory Type = TM Min/Max = 04/04)

This data element specifies the time that the sender created the transaction set(s) bounded by the Group Start (GS) and Group End (GE) segments. This time is local to the sender.

GS06.   Data Interchange Control Number (Data Element #28)

   (Spec: Mandatory Type = N0 Min/Max = 01/09)

This control number is generated by the sender of the transaction set(s) bounded by the Group Start (GS) and Group End (GE) segments. The value in this element must equal the same element in the Group End (GE) segment. Within a specific interchange bounded by an Interchange Control Header (ISA) segment and Interchange Control Trailer (IEA) segment, the Data Interchange Control Number must be unique.

GS07.   Responsible Agency Code (Data Element #455)

   (Spec: Mandatory Type = ID Min/Max = 01/02)

This code is used in conjunction with the Version (GS08) to identify the issuer of the overall standard followed in preparing the transaction set(s) included in the current functional group. For transaction sets generated using this guideline, the value of this element will be "x".

GS08.   Version (Data Element #480)

   (Spec: Mandatory Type = ID Min/Max = 01/12)

The Version is used in conjunction with the Responsible Agency Code (GS07) to specify the exact version of the overall standard used to prepare the transaction set(s) included in the current functional group. All transaction sets within the functional group must have the same version. The make-up of this data element is as follows:

POSITION	DESCRIPTION
01-03	Major Version Number
04-06	Release Level of Version
07-12	Industry or Trade Association Identifier

The TI-recognized Version is: 002000TI0100

The Version number shown above indicates (1) "Standards Approved by ANSI in February 1986" (positions 1-6), (2) as interpreted by the TCIF (positions 7-8), (3) the current Issue (positions 9-10), and (4) the current release (positions 11-12).

3.   PURCHASE ORDER ACKNOWLEDGMENT HEADER SEGMENTS

ST - TRANSACTION SET HEADER

Purpose: To identify the start of each transaction set.

Spec: Mandatory, Max Length = 17, Max Use = 1

Diagram:

ST01.   Transaction Set I.D. (Data Element #143)

  (Spec: Mandatory Type = ID Min/Max = 03/03)

This data element identifies the type of transaction set that is to follow. '855' will be used to in-dicate that this is a Purchase Order Acknowledgment Transaction Set. The Functional ID (GS01) in the GS segment must be "PO".

ST02.   Transaction Set Control Number (Data Element #329)

  (Spec: Mandatory Type = AN Min/Max = 04/09)

This data element is the identifying control number assigned by the originator of the transaction set, The value of this element must equal the same data element in the Transaction Set Trailer (SE02).

BAK - BEGINNING SEGMENT (PURCHASE ORDER ACKNOWLEDGMENT)

Purpose: To indicate the beginning of the purchase order acknowledgment transaction set and transmit identifying numbers and dates.

Spec: Mandatory, Max Length = 187, Max Use = 1

Diagram:

BAK01.   Transaction Set Purpose (Data Element #353)

  (Spec: Mandatory Type = ID Min/Max = 02/02)

The data element contains a code that identifies the purpose of the transaction set being transmitted. The preferred TI-recognized codes for this transaction set are:

CODE	DEFINTION
00	Original purchase order
06	Confirmation purchase order

A complete list of the TI-recognized codes can be found in Appendix A.

BAK02.   Acknowledgment Purpose (Data Element #587)

  (Spec: Mandatory Type = ID Min/Max = 02/02)

This data element contains a code that specifies the type of purchase order acknowledgment being transmitted. The preferred TI-recognized codes for this transaction are:

CODE	DEFINITION
AC	Acknowledge - With Detail and Change
AD	Acknowledge - With Detail, no Change
AE	Acknowledge - with Exception Detail Only
AH	Acknowledge - Hold Status
AK	Acknowledge - No Detail or Change
RJ	Rejected - No Detail

A complete list of the TI-recognized codes can be found in Appendix A.

> The Ameritech preferred Acknowledgment Purpose codes are: Acknowledge - With Detail, No Change (AD) for the first transaction set associated with a Purchase Order Number and Acknowledge - With Detail and Change (AC) for all subsequent transaction sets associated with the same Purchase Order Number.

BAK03.   Purchase Order Number (Data Element #324)

 (Spec: Mandatory Type = AN Min/Max = 01/22)

This data element contains the purchase order number that was assigned by the originator.

> The Purchase Order Number is the buyer's REQUISITION/TELEPHONE EQUIPMENT OR-DER (TEO) number. This number should not exceed 10 characters in length. The first 10 characters will be edited against th PICS/DCPR Requisition Range Definition Table (PRRDT). PRRDT defines valid requisition/TEO number ranges for HARDWIRED and PLUG-IN requisi-tions.TEOs. The valid ranges for the Ameritech Bell Companies (ABCs) may be obtained from the ABC BVAPP coordinators shown in Appendix 1.

BAK04.   Purchase Order Date (Data Element #323)

 (Spec: Mandatory Type = DT Min/Max = 06/06)

The purchase order date indicates the date the purchase order was generated by the originator.

> The preferred Purchase Order Date is the date on the ABCs original REQUESTION/TEO.

BAK05.   Release Number (Data Element #328)

 (Spec: Optional Type = AN Min/Max = 01/10)

This number identifies a release against a standard or blanket purchase order previously agreed to by the trading partners. Note that the maximum length of this data element is less than ANSI.

> The Release number is RECOMMENDED and shall be a sequential serial number indicating the initial and subsequent issues of a POA against a particular REQUISITION/TEO.

BAK06.   Change Order Sequence Number (Data Element #327)

  NOT USED BY TI.

BAK07.   Request Reference Number (Data Element #326)

  (Spec: Optional Type = AN Min/Max = 01/45)

This data element contains a reference number identifying a particular transaction set.

> The Request Reference Number is STRONGLY RECOMMENDED for HARDWIRED requisition/TEOs only. The first 7 characters of this data element shall contain the AUTHORITY shown on the HARDWIRED requisition/TEO.

BAK08.   Contract Number (Data Element #327)

  (Spec: Optional Type = AN Min/Max = 01/30)

This data element identifies the contract that specifies the purchasing agreement between the trading partners.

> The Contract Number is RECOMMENDED for HARDWIRED requisition/TEOs only and should not exceed 10 characters in length.

BAK09.   Seller's Order Number (Data Element #650)

  (Spec: Optional Type = AN Min/Max = 01/22)

This data element contains an identifying number assigned to an order by the seller.

> The Seller's Order Number is RECOMMENDED for HARDWIRED requisition/TEOs only and should not exceed 8 characters in length.

BAK10.   Acknowledgment Date (Data Element #588)

(Spec: Mandatory §I Type = DT Min/Max = 06/06)

This data element contains the date assigned by the sender to the acknowledgment.

The Acknowledgment Date is MANDATORY for PICS/DCPR BVAPP implementation.

NTE - NOTE

Purpose: To provide information in a free-form format to meet purposes deemed necessary by and negotiated between trading partners.

Spec: Floating, Max Length = 69, Max Use = 100

Diagram:

The Note segment is NOT RECOMMENDED. See TCIF GUIDELINES for data element definitions.

CUR - CURRENCY

Purpose: To specify the currency (Dollars, Pounds, Francs, etc.) used in a transaction.

Spec: Optional, Max Length = 109, Max Use = 1

Diagram:

The Currency segment is NOT RECOMMENDED. See TCIF GUIDELINES for data element definitions.		

TAX - TAX REFERENCE

Purpose: To provide data required for proper notification/determination of applicable sales and related taxes applying to the transaction set.

The Tax Reference segment is RECOMMENDED for ILLINOIS BELL HARDWIRED requisition/TEOs only.

Spec: Optional, Max Length = 170, Max Use = 1

Diagram:

TAX01. Tax I.D. Number (Data Element #325)

  (Spec: Conditional Type = AN Min/Max = 01/20)

This data element contains the number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.). The number is also called a tax exemption number or certificate number. See Note 1.

The Tax I.D. Number if NOT RECOMMENDED.

TAX02. Location Qualifier (Data Element #309)

  (Spec: Optional Type = ID Min/Max = 02/02)

This Data element defines the type of Location Identifier specified in TAX03. See Note 1, 2 and 3. The preferred TI-recognized codes for this data element are:

CODE	DEFINTION
AC	City and State
CC	Country
CI	City

CO	County/Parish and State
CY	County/Parish
NS	City/State from Points
SC	City/State and Points Within
SP	State/Province
TN	Township
TX	Taxing District

A complete list of the TI-recognized codes can be found in Appendix A.

> Illinois Bell RECOMMENDS the Location Qualifier. The ILLINOIS BELL preferred Location Qualifier is Taxing District (TX).

TAX03.   Location Identifier (Data Element #310)

  (Spec: Conditional Type = AN Min/Max = 01/25)

This data element identifies a specific geographic location specified by the Location Qualifier (TAX02). See Notes 2 and 3.

> The Location Identifier shall be the TAX AREA negotiated between the Illinois Bell BVAPP co-ordinator (see Appendix 1) and the Seller. The TAX AREA shall not exceed 5 characters in length.

NOTE: 1. Either TAX01 or TAX02 is required. TAX01 is required is tax exemption is claimed.

> Illinois Bell RECOMMENDS TAX02.

NOTE: 2. If TAX02 is used TAX03 is required.

> Illinois Bell RECOMMENDS TAX02 and TAX03.

NOTE: 3. The Location Qualifier (TAX02)/Location Identifier (TAX03) combination can occur a total of five times. All notes applicable to TAX02 and TAX03 apply.

> Illinois Bell RECOMMENDS only ONE occurance of TAX02/TAX03.

N1 - NAME

Purpose: To identify a party by the type or organization, name, or code. If the Name (N102) is used in this segment, the N3 and N4 segments are required.

 Spec: Mandatory § Max Length = 63 Max Use = 1 N1 Loopstart Max Loops = 5

Two Name (N1) loops are MANDATORY for PICS/DCPR BVAPP implementation. The first N1 loop is for the Seller (SE) and the second N1 loop is for the Buyer (BY). Ameritech prefers only these two N1 loops.

Diagram:
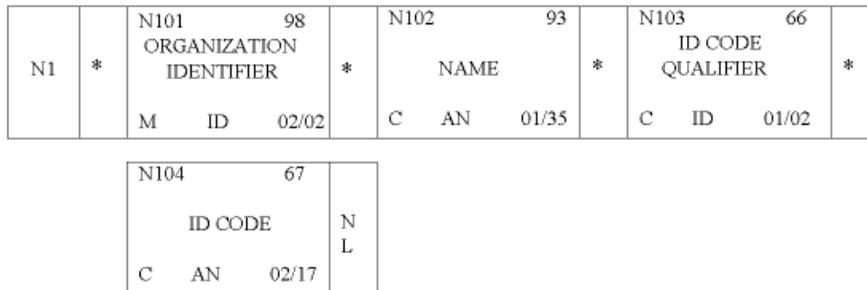
N101. Organization Identifier (Data Element #98)

 (Spec: Mandatory Type = ID Min/Max = 02/02)

This data element defines the organization specified in the Name field (N102). The preferred T1-recognized codes for this transaction are:

CODE	DEFINITION
BT	Party to be billed (bill to)
BY	Buyer
SE	Seller
ST	Ship to

A complete list of the T1-recognized codes can be found in Appendix A.

> The MANDATORY Organization identifiers are the Seller (SE) and the Buyer (BY).

N102.   Name (Data Element #93)

  (Spec: Conditional Type = AN Min/Max = 01/35)

This data element contains the name of the party referenced by the Organization identifier (N101). See Note 1.

> The Name data element is NOT RECOMMENDED. Ameritech prefers the use of the I.D. Code Qualifier (N103) and the I.D. Code (N104).

N103.   I.D. Code Qualifier (Data Element #66)

  (Spec: Conditional Type = ID Min/Max = 01/02)

This data element identifies the type code found in the I.D. Code data element (N104). See Note 1. The T1-recognized codes can be found in Appendix A.

> The I.D. Code Qualifier is STRONGLY RECOMMENDED. The referred I.D. Code Qualifiers, in order of preference, are 1) Dun and Bradstreet (Credit Reporting) (DUNS)(01), 2) Assigned by Seller or Seller's Agent(91), or 3) Assigned by Buyer(92).

N104.   I.D. Code (Data Element #67)

  (Spec: Conditional Type = AN Min/Max = 02/17)

This data element contains the mutually agreed upon code identifying the organization specified in the I.D. Code Qualifier (N103). See Note 1.

> The I.D. Code data element is mandatory when the I.D. Code Qualifier (N103) is provided. Only the first 12 characters of this element will be used. The ABC's use headquarters DUNS numbers without dashes and with a three character suffix for an overall length of twelve characters. The valid I.D. Codes for the ABCs may be obtained from the ABC BVAPP coordinators shown in Appendix 1.

NOTE: 1. Either N102 or N103 and N104 is required.

> Ameritech RECOMMENDS N103 and N104.

N2 - ADDITIONAL NAME INFORMATION

Purpose: To specify additional names or those longer than 35 characters in length.

Spec: Optional, Max Length = 75, Max Use = 2 within the N1 loop

Diagram:

| N2 | * | N201　　　　93
NAME
M　　AN　　01/35 | * | N202　　　　93
DD'L NAME
o　　AN　　01/35 | N L |

> The Additional Name segment is NOT RECOMMENDED. See TCIF GUIDELINES for data element definitions.

N3 - STREET ADDRESS

Purpose: To specify the street, building, or other address information. This segment is required if the Name (N102) was specified in the N1 segment.

Spec: Optional, Max Length = 75, Max Use = 2 within the N1 loop

Diagram:

| N3 | * | N301　　　　166
STREET
ADDRESS
M　　AN　　01/35 | * | N302　　　　166
ADD'L STREET
NUMER
O　　AN　　01/35 | N L |

> The Street Address segment is NOT RECOMMENDED. See TCIF GUIDELINES for data element definitions.

N4 - CITY/STATE

Purpose: To specify the geographic location of the named party. This segment is required if the Name (N102) was specified in the N1 segment.

Spec: Optional, Max Length = 68, Max Use = 1 within the N1 loop

Diagram:

The City/State segment is NOT RECOMMENDED. See TCIF GUIDELINES for data element definitions.

REF - REFERENCE NUMBERS

Purpose: To transmit identifying numbers associated with the named party.

One Reference Numbers segment is RECOMMENDED in the Buyer's (BY) N1 loop for HARDWIRED requistion/TEOs only.

Spec: Optional, Max Length = 119, Max Use = 12 Within the N1 Loop

Diagram:

REF01. Reference Number Qualifier (Data Element #128)

(Spec: Mandatory, Type = ID, Min/Max = 02/02)

This data element identifies type of reference number contained in the Reference Number data element (REF02) of the description in the Description data element (REF03). The TI-recognized codes can be found in Appendix A.

> The Ameritech preferred Reference Number Qualifier is Customer Reference (CR).

REF02. Reference Number (Data Element #127)

(Spec: Conditional, Type = AN, Min/Max = 01/30)

This data element is the reference number of identification code as defined for a particular transaction set. See Note 1.

> The Reference Numbers is RECOMMENDED. The first 7 characters of this data element shall contain the ACCOUNTING LOCATION number shown on the HARDWIRED requistion/TEO.

REF03. Description (Data Element #352)

(Spec: Conditional, Type = AN, Min/Max = 01/80)

This data element contains a description of clarify the related data elements and their content. See Note 1.

> The Description is NOT RECOMMENDED.

NOTE: 1. Either REF02 or REF03 is required.

> Ameritech RECOMMENDS REF02.

PER - ADMINISTRATIVE COMMUNICATION CONTACT

Purpose: To identify a person or office to whom administrative communications should be directed.

Spec: Optional, Max Length = 114, Max Use = 3 N1 loop end, if used

Diagram:

> The Administrative Communications Contact segment is NOT RECOMMENDED. See TCIF GUIDELINES for data element definitions.

SSS - SPECIAL SERVICES

Purpose: To specify special conditions or services associated with the purchase order acknowl-edgment. The Telecommunications Industry recommends that this segment be used for non-billable services only.

Spec: Optional, Max Length = 167, Max Use = 25

Diagram:

The Special Services segment is NOT RECOMMENDED. See TCIF GUIDELINES for data element definitons.

CSH - HEADER SALE CONDITION

Purpose: This segment is used to specify general conditions or requirements of the sale.

Spec: Optional, Max Length = 70, Max Use = 1

Diagram:

The Header Sale Condition segment is NOT RECOMMENDED. See TCIF GUIDELINES for data element definitions.

ITA - ALLOWANCE OR CHARGE

Purpose: To specify allowances or charges related to the entire purchase order.

Spec: Optional, Max Length = 175, Max Use = 10

Diagram:

		ITA01 248 ALLOWANCE OR CHARGE INDICATOR M ID 01/01		ITA02 559 AGENCY QUALIFIER CODE O ID 02/02		IDA03 560 SPECIAL SERVICES CODE C ID 02/10	
ITA	*		*		*		*

ITA04 331 ALLOW. OR CHGE. METHOD OF HANDLING M ID 02/02		ITA05 341 ALLOWANCE OR CHARGE NUMBER @ AN 01/16		ITA06 359 ALLOWANCE OR CHARGE RATE PER UNIT @ R 01/09	
	*		*		*

ITA07 360 ALLOWANCE OR CHARGE TOTAL AMOUNT C N2 01/00		ITA08 378 ALLOWANCE OR CHARGE % QUALIF. O ID 01/01		ITA09 332 ALLOWANCE OR CHARGE PERCENT C R 01/06	
	*		*		*

ITA10 339 ALLOW. OR CHGE. QUANTITY @ § R 01/10		ITA11 355 UNIT OF MEASURE CODE @ ID 02/02		ITA12 379 FREE GOODS QUANTITY @ R 01/10	
	*		*		*

ITA13 352 DESCRIPTION C AN 01/80	
	N L

The Allowance or Charge segment is NOT RECOMMENDED. See TCIF GUIDELINES for data element definitions.

ITD - TERMS OF SALE/DEFERRED TERMS OF SALE

Purpose: to specify terms of sale.

Spec: Optional, Max Length = 155, Max Use = 5

Diagram:

ITD	*	ITD01 336 TERMS TYPE CODE M ID 02/02	*	ITD02 333 TERMS BASIS DATE CODE M ID 01/02	*	ITD03 338 TERMS DISC. PERCENT C R 01/06	*

	ITD04 370 TERMS DISC. DUE DATE C DT 06/06	*	ITD05 351 TERMS DISC. DAYS DUE C N0 01/03	*	ITD06 446 TERMS NET DUE DATE C DT 06/06	*

	ITD07 386 TERMS NET DAYS C N0 01/03	*	ITD08 362 TERMS DISC, AMOUNT C N2 01/10	*	ITD09 368 TERMS DEF. DUE DATE @ DT 06/06	*

	ITD10 389 DEFERRED AMOUNT DUE @ N2 01/10	*	ITD11 342 % INVOICE PAYABLE @ R 01/05	*	ITD12 352 DESCRIPTION @ AN 01/80	N L

> The Terms of Sale/Deferred Terms of Sale segment is NOT RECOMMENDED. Ameritech prefers trade discounts to be incorporated into the unit price data element. See TCIF GUIDE-LINES for data element definitions.

DTM - DATE/TIME REFERENCE

Purpose: To specify pertinent dates and times.

Spec: Optional, Max Length = 20, Max Use = 10

Diagram:

DTM	*	DTM01 374 DATE/TIME QUALIFIER M ID 03/03	*	DTM02 373 DATE C DT 06/06	*	DTM03 337 TIME C TM 04/04	*

The Date/Time Reference segment is NOT RECOMMENDED. See TCIF GUIDELINES for data element definitions.

SHH - GENERAL SCHEDULE

Purpose: To specify general scheduling conditions.

Spec: Optional, Max Length = 104, Max Use = 5

Ameritech RECOMMENDS the General Schedule segment.

Diagram:

SHH01. Schedule Code (Data Element #562)

(Spec: Mandatory, Type = ID, Min/Max = 02/02)

This data element contains a code indicating the general scheduling arrangements. The TI-recognized codes can be found in Appendix A.

The Ameritech preferred codes for PICS/DCPR BVAPP Implementation are shown in Appendix A.

SHH02. Date/Time Qualifier (Data Element #374)

(Spec: Mandatory, Type = ID, Min/Max = 03/03)

This data element identifies the type of date/time information that is to follow. The TI-recognized codes can be found in Appendix A.

The Ameritech preferred codes for PICS/DCPR BVAPP Implementation are shown in Appendix A.

SHH03. Date (Data Element #373)

(Spec: Conditional, Type = DT, Min/Max = 06/06)

This data element is the date associated with the Date/Time Qualifier (SHH02). See Note 1.

The Date data element is RECOMMENDED.

SHH04. Time (Data Element #337)

(Spec: Conditional, Type = TM, Min/Max = 04/04)

This data element is the time associated with the Date/Time Qualifier (SHH02). See Note 1.

The Time data element is NOT RECOMMENDED.

SHH05. Description (Data Element #352)

(Spec: Optional, Type = AN, Min/Max = 01/80)

This data element contains a free-form description to clarify the related data elements and their content.

The Description data element is NOT RECOMMENDED.

NOTE: 1. Either SHH03 or SHH04 is required.

Ameritech RECOMMENDS SHH03.

FOB - F.O.B. RELATED INSTRUCTIONS

Purpose: To specify transportation instructions relating to shipment when the transportation instructions differ from the instructions specified in the formal agreement between the trading partners.

Spec: Optional, Max Length = 185, Max Use = 1

Diagram:

> The F.O.B. Related Instructions segment is NOT RECOMMENDED. See TCIF GUIDELINES for data element definitions.

TD1 - CARRIER DETAILS (QUANTITY AND WEIGHT)

Purpose: To specify transportation details relative to commodity, weight, and quantity.

Spec: Optional, Max Length = 72, Max Use = 2

Diagram:

The Carrier Details (Quantity and Weight) segment is NOT RECOMMENDED. See TCIF GUIDELINES for data element definitions.

TD2 - CARRIER DETAILS (ROUTING)

Purpose: To specify the carrier and sequence of routing.

Spec: Optional, Max Length = 80, Max Use = 12

Diagram:

The Carrier Details (Routing) segment is NOT RECOMMENDED. See TCIF GUIDELINES for data element definitions.

TD3 - CARRIER DETAILS (EQUIPMENT)

Purpose: To specify transportation details relating to the equipment used by the carrier.

Spec: Optional, Max Length = 37, Max Use = 12

Diagram:

TD3	*	TD301 40 EQUIP. DESC. CODE M ID 02/02	*	TD302 206 EQUIPMENT INITIAL O AN 01/04	*	TD303 207 EQUIPMENT NUMBER C AN 01/07	*

TD304 187 WEIGHT QUALIFIER O ID 01/02	*	TD305 81 WEIGHT C R 01/08	*	TD306 355 UNIT OF MEASURE CODE C ID 02/02	*

TD307 102 OWNERSHIP CODE O ID 01/01	N L

The Carrier Details (Equipment) segment is NOT RECOMMENDED. See TCIF GUIDELINES for data element definitions.

TD4 - CARRIER DETAILS (SPECIAL HANDLING/HAZARDOUS MATERIAL)

Purpose: To specify transportation special handling requirements and hazardous materials information.

Spec: Optional, Max Length = 96, Max Use = 5

Diagram:

| TD4 | * | TD401   152
SPEC. HAND.
CODE

C   ID   02/03 | * | TD402   208
HAZARD MATL.
CODE QUALIF.

O   ID   01/01 | * | TD403   309
HAZARDOUS
MATL. CLASS
CODE
C   AN   02/04 | * |

| TD404   352
DESCRIPTION

C   AN   01/80 | N L |

The Carrier Details (Special Handling/Hazardous Material) segment is NOT RECOM-
MENDED. See TCIF GUIDELINES for data element defintions.

MAN - MARKS AND NUMBERS

Purpose: To indicate identifying marks and numbers for shipping containers.

Spec: Optional, Max Length = 53, Max Use = 10

Diagram:

| MAN | * | MAN01   88
MARKS AND
NOS. QUAL.

M   ID   01/02 | * | MAN02   87
MARKS AND
NUMBERS

M   AN   01/45 | N L |

The Marks and Numbers segment is NOT RECOMMENDED. See TCIF GUIDELINES for
data element defintions.

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4.   Purchase Order Acknowledgment Detail Segments

PO1 - BASELINE ITEM DATA

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

A minimum of one Baseline Item Data (P01) loop is MANDATORY for PICS/DCPR BVAPP implementation. This segment identifies the line item on the purchase order acknowledgment and gives basic price and quantity information. The dollar amount determined for the line item from the Baseline Item Data segment is prior to any charges/credits applied to the line item in the Allowance or Charge segment. The quantity, price and product ID information specified in the PO1 segment represents information from the original purchase order or the most recent previous acknowledgment of that order. If this order acknowledgment changes quantity, price or product ID information for the item, then the changed information is supplied in the PO3 and/or ACK segments.

Spec: Mandatory § Max Length = 382 Max Use = 1 PO1 loop start Max loops = 10,000

Diagram:

PO101. Purchase Order Line Number (Data Element #350)

(Spec: Mandatory, Type = AN, Min/Max = 01/04)

This data element is the identifying number or code for a purchase order acknowledgment line item. Note that the maximum length of this data element is less than ANSI.

HARDWIRED

Ameritech STRONGLY RECOMMENDS the COMBINATION of the following data elements be UNIQUE for each Baseline Item on a HARDWIRED requisition/TEO:

BAK09 - Seller's Order Number

PO1xx=VX/PO1yy - Vendor Specification Number

PO101 - Purchase Order Line Number

PLUG-IN

Ameritech STRONGLY RECOMMENDS the Purchase Order Line Number (PO101) data element be the SAME as the line item number on the ORIGINAL PLUG-IN requisition/TEO.

PO102. Quantity Ordered (Data Element #330)

(Spec: Mandatory, Type = R, Min/Max = 01/09)

The data element contains the quantity ordered as qualified by the Unit of Measure Code (PO103). See Notes 3, 4, and 5.

Ameritech RECOMMENDS the Quantity Ordered data element NOT EXCEED eight (8) characters in length.

PO103. Unit of Measure Code (Data Element #355)

(Spec: Mandatory, Type = ID, Min/Max = 02/02)

This code identifies the basic unit of measurement for the item being acknowledged. The TI-recognized codes can be found in Appendix A.

The Ameritech preferred codes for PICS/DCPR BVAPP Implementation are shown in Appendix A.

PO104. Unit Price (Data Element #212)

(Spec: Mandatory, Type = R, Min/Max = 01/14)

This data element contains the price per unit of the product, service, commodity, etc. See Note 3.

> Ameritech recommends the price per unit of the product be zero when Sub Line Item seg-
> ments for embedded PLUG-IN ITEMS are provided with the Baseline Item Data.

PO105. Basis of Unit Price Code (Data Element #639)

(Spec: Optional, Type = ID, Min/Max = 02/02)

This code defines the price indicated for an item. The Basis of Unit Price Code represents a
factor applied to the product of quantity and unit price to determine the cost of an item being
acknowledged, as shown in the formula and examples below:

Formula: Extended value of item ordered =

```
            Quantity Ordered (PO102) x Unit Price (PO104)
            ---------------------------------------------------------
                      Basis of Unit Price (PO105)

Example 1 - Assume PO102 - 10, PO104 = $1.00, PO105 = TE (Price/Each)

     10 x $1.00
     ------------   = $10.00
          1

Example 2 - Assume PO102 = 10, PO104 = $1.00, PO105 = TC (Price/Hundred)

     10 x $1.00
     ------------   = $.10
         100
```

See Notes 3 and 4.

The TI-recognized codes can be found in Appendix A.

> Ameritech STRONGLY RECOMMENDS the Basis of Unit Price Code data element. The
> Ameritech preferred codes for PICS/DCPR BVAPP Implementation are shown in Appendix A.

PO106. Product I.D. Qualifier (Data Element #235)

(Spec: Optional, Type = ID, Min/Max = 02/02)

This qualifier identifies the type or source of the descriptive information being provided in the
Product I.D. (PO107). See Notes 1 and 2. The preferred TI-recognized codes for this data ele-
ment are:

[COMMON LANGUAGE is a registered trademark and CLEI is a trademark of Bell Communica-
tion Research, Inc."CI" = CLEI(TM) (COMMON LANGUAGE Equipment Identifier) is an

alphanumeric code describing a unique equipment item (10 characters) or a group of related equipment items (7 characters). The Language Standards Division of Bell Communications Research, Inc. controls the assignment of these codes. CI is an approved ANSI code and will be published in the next release.

HARDWIRED

Ameritech STRONGLY RECOMMENDS the CLEI™ Product I.D. Qualifier/Product I.D. pair be provided for ALL PLUG-IN ITEMS on a HARDWIRED requisition/TEO, including ALL PLUG-IN units embedded in or part of a hardwired frame, shelf, sub-assembly, etc.

PLUG-IN

Ameritech STRONGLY RECOMMENDS the CLEI™ Product I.D. Qualifier/Product I.D. pair be provided for ALL ITEMS on a PLUG-IN requisition/TEO.

"CR" - Contract Number is an alphanumeric code that specifies the purchase agreement between the trading partners.

Ameritech does NOT RECOMMEND the Contract Number Product I.D. Qualifier/Product I.D. pair.

"CT" - Continuation of the part number, used when the part number exceeds 30 characters.

Ameritech does NOT RECOMMEND the Continuation of the Part Numer Product I.D. Qualifier/Product I.D. pair.

"IN" - Buyer's Item Number is the Customer's Standard Supply Item Number used in the internal systems.

Ameritech does NOT RECOMMEND the Buyer's Item Number Product I.D. Qualifier/Product I.D. pair.

"MF" - Manufacturer is an alphanumeric code that specifies the manufacturer of the equipment.

Ameritech STRONGLY RECOMMENDS the Manufacturer Product I.D. Qualifier/Product I.D. pair be provided for ALL ITEMS. Ameritech also STRONGLY RECOMMENDS the Manufacturer Product I.D. be the 4 character alpha code that is assigned and maintained by the Language Standards Division of Bell Communications Research, Inc.

"PN" - Company Part Number is an alphanumeric code which qualifies the basic unit to uniquely identify a specific piece of the vendor's equipment.

HARDWIRED

Ameritech STRONGLY RECOMMENDS the Company Part Number Product I.D. Qualifier/ Product I.D. pair be provided for ALL HARDWIRED ITEMS on a HARDWIRED requisition/ TEO. Ameritech also STRONGLY RECOMMENDS the Company Part Number Product I.D. be the part number that is assigned and maintained by the Language Standards Division of Bell Communications Research, Inc. If the item does not meet the criteria for coding by the Language Standards Division of Bell Communications Research, Inc. and will not be coded, Ameritech RECOMMENDS the Vendor's Item Number (VN) Product I.D. Qualifier/Product I.D. pair be provided.

PLUG-IN

Ameritech does NOT RECOMMEND the Company Part Number Product I.D. Qualifier/Product I.D. pair be provided for items on a PLUG-IN requisition/TEO. If the Company Part Number Product I.D. Qualifier/Product I.D. pair is provided, Ameritech STRONGLY RECOMMENDS the Company Part Number Product I.D. be the part number that is assigned and maintained by the Language Standards Division of Bell Communications Research, Inc.

"D" - Reel Number to be specified by the customer when ordering cable. A customer reel number can be provided and used or the vendor can assign a number so that the trading partners can maintain inventories and audit the return of non-billable reels to the vendor.

Ameritech does NOT RECOMMEND the Reel Number Product I.D. Qualifier/Product I.D. pair.

"SV" - Services Rendered specifies a non-material charge such as Engineering or Installation.

Ameritech does NOT RECOMMEND the Services Rendered Product I.D. Qualifier/Product I.D. pair.

"UP" - Universal Product Code (UPC) (Full 11-digit number) is a common cod used by the vendor and the customer to eliminate the necessity for descriptions. The codes are administered by:

Uniform Product Council, 7051 Corporate Way, Dayton, Ohio 45459

Ameritech does NOT RECOMMEND the Universal Product Code (UPC) Product I.D. Qualifier/Product I.D. pair.

"VN" - Vendor's Item Number is an alphanumeric code that the vendor uses to identify the material ordered. This is the number that appears in the vendor's catalog.

HARDWIRED

Ameritech RECOMMENDS the Vendor's Item Number Product I.D. Qualifier/Product I.D. pair be provided only if the item does not meet the criteria for coding by the Language Standards Division of Bell Communications Research, Inc. and will not be coded.

PLUG-IN

Ameritech does NOT RECOMMEND the Vendor's Item Number Product I.D. Qualifier/Product I.D. pair be provided for items on a PLUG-IN requisition/TEO.

"VO" - Vendor Order Number is a number assigned by the vendor to all or part of a customer order. The use of the vendor order number is at the vendor's discretion, as long as the use is consistent for same items on related transaction sets.

Ameritech does NOT RECOMMEND the Vendor's Order Number Product I.D. Qualifier/Product I.D. pair. Ameritech prefers the use of Seller's Order Number (BAK09) data element.

"VS" - Vendor's Supplemental Item Number is an alphanumeric point item number used to subdivide a grouping of related pieces of equipment into separately orderable entities. It is also used for substitution items.

Ameritech does NOT RECOMMEND the Vendor's Supplemental Item Number Product I.D. Qualifier/Product I.D. pair. Ameritech prefers the use of Subline Number (SLN) segments for providing details of ALL PLUG-IN units embedded in or part of a hardwired frame, shelf, subassembly, etc.

"VU" - Vendor's Basic Unit Number is an alphanumeric code which defines a family of related items of equipment.

HARDWIRED

Ameritech STRONGLY RECOMMENDS the Vendor's Basic Unit Number Product I.D. Quali-fier/Product I.D. pair be provided for ALL HARDWIRED ITEMS on a HARDWIRED requisition/ TEO. Ameritech also STRONGLY RECOMMENDS the Vendor's Basic Unit Number Product I.D. be the basic unit that is assigned and maintained by the Language Standards Division of Bell Communications Research, Inc. If the item does not meet the criteria for coding by the Language Standards Division of Bell Communications Research, Inc. and will not be coded, Ameitech RECOMMENDS the Vendor's Item Number (VN) Product I.D. Qualifier/Product I.D. pair be provided.

PLUG-IN

Ameritech does NOT RECOMMEND the Vendor's Basic Unit Number Product I.D. Qualifier/ Product I.D. pair be provided for items on a PLUG-IN requisition/TEO. If the Vendor's Basic Unit Number Product I.D. Qualifier/Product I.D. pair is provided, Ameritech STRONGLY REC-OMMENDS the Vendor's Basic Unit Number Product I.D. be the basic unit that is assigned and maintained by the Language Standards Division of Bell Communications Research, Inc.

"VX" - Vendor Specification Number is a number assigned by the customer engineer or the ven-dor engineer, depending on who engineered the order, to all or part of the order. An engineer will usually use this data element to subdivide an order. The use of the vendor specification number is at the vendor's discretion for vendor engineered jobs, as long as the use is consis-tent for the same item on all related transaction sets.

HADWIRED

Ameritech STRONGLY RECOMMENDS the Vendor Specification Number Product I.D. Quali-fier/Product I.D. pair be provided for a vendor engineered requisition/TEO. Ameritech STRONGLY RECOMMENDS the combination of the Seller's Order Number (BAK09), the Purchase Order Line Number (PO101) and the Vendor Specification Number (PO1xx-VX) Product I.D. Qualifier/(PO1yy) Product I.D. data elements be UNIQUE for each Baseline Item Data segment on a HARDWIRED requisition/TEO.

PLUG-IN

Ameritech does NOT RECOMMEND the Vendor Specification Number Product I.D. Qualifier/ Product I.D. pair be provided for items on a PLUG-IN requisition/TEO.

A complete list of the TI-recognized codes can be found in Appendix A.

PO107. Product I.D. (Data Element #234)

(Spec: Conditional, Type = AN, Min/Max = 01/30)

This data element identifies the number for a product or service. See Notes 1 and 2.

Ameritech STRONGLY RECOMMENDS the maximum lengths of the Product I.D.s be limited as follows:	
PRODUCT I.D. QUALIFIER (PO1xx)	MAX LENGTH OF PRODUCT I.D. (PO1yy)
CI	10
MF	4
PN	30
VN	30
VU	11
VX	7

NOTE: 1. If PO106 is used PO107 is required.

NOTE: 2. The Product I.D. Qualifier (PO106)/Product I.D. (PO107) combination can occur a total of ten times. All notes applicable to PO106 and PO107 apply.

HARDWIRED

Ameritech STRONGLY RECOMMENDS the following pairs of PO1xx/PO1yy be provided for items on a HARDWIRED requisition/TEO:

VX, MF, VU, PN - (coded hardwired items)

VX, MF, CI - (CLEI^{TM} plug-in items)

VX, MF, VN - (non-coded mino items)

PLUG-IN

Ameritech STRONGLY RECOMMENDS the following pairs of PO1xx/PO1yy be provided for items on a PLUG-IN requisition/TEO:

MF, CI - (CLEI^{TM} plug-in items)

NOTE: 3. If quantity is not applicable, as may be the case for some services, Quantity Or-
dered (PO102) must contain a zero and Unit Price (PO104) will contain the total price.
Since Unit Price (PO104) contains the total price, the formula shown in Basis of Unit
Price Code (PO105) for calculation of the extended amount is not appropriate.

NOTE: 4. If Quantity Ordered (PO102) is other than zero, Basis of Unit Price Code (PO105) is
required.

NOTE: 5. The capability to consolidate minor/expense items may be available. See Appendix
A.

SLN - SUBLINE ITEM DETAIL

Purpose: To specify product subline item data.

This segment identifies subline details of the line item provided in the Baseline Item Data
(PO1) segment and gives basic price and quantity information of items that are part of the
baseline item or items that are added/deleted from the baseline item. The dollar amount de-
termined for the subline item from the Subline Item Detail segment is prior to any charges/
credits applied to the subline item in the Allowance or Charge segment. The quantity, price
and product I.D. information specified in the SLN segment represents information from the
original purchase order or the most recent previous acknowledgment of that order. If this or-
der acknowledgment changes quantity, price or product ID information for the subline item,
then the changed information is supplied in the PO3 and/or ACK segments.

Ameritech STRONGLY RECOMMENDS the Subline Item Detail segment be provided for all
PLUG-IN units embedded in or part of the hardwired frame, shelf, sub-assembly, etc. pro-
vided in the Baseline Item Data (PO1) segment. Ameritech RECOMMENDS the Subline Item
Detail segment for HARDWIRED requisition/TEOs only. Ameritech does NOT RECOMMEND
the Subline Item Detail segment for any PLUG-IN requisition/TEOs.

Spec: Optional, Max Length = 390, Max Use = 300 §, Within the PO1 loop

Diagram:

SLN	*	SLN01 659 SUBLINE NUMBER M AN 01/06	*	SLN02 660 SUBLINE LEVEL @ AN 01/02	*	SLN03 661 CONFIGURATION CODE M ID 01/01	*
		SLN04 380 QUANTITY M R 01/10	*	SLN05 355 UNIT OF MEASURE CODE M ID 02/02	*	SLN06 212 UNIT PRICE M R 01/14	*
		SLN07 639 BASIS OF UNIT PRICE CODE O ID 02/02	*	SLN08 662 SUBLINE PICE CHANGE ID M ID 01/01	*	SLN09 235 PRODUCT ID QUALIF. O ID 02/02	*
		SLN10 234 PRODUCT ID C AN 01/30	*	SLNxx 235 PRODUCT ID QUALIF. O ID 02/02	*	SLNyy 234 PRODUCT ID C AN 01/30	N L

SLN01. Subline Number (Data Element #659)

(Spec: Mandatory, Type = AN, Min/Max = 01/06)

This number identifies the subline item related to (but not necessarily equivalent to) the Base-line Purchase Order Acknowledgment Line Number (PO101). For Example, if 2.1 or 2.A are used as subline or point item numbers for a baseline item of number, then SLN01 would be ei-ther 1 or A.

Ameritech STRONGLY RECOMMENDS the Subline number not exceed 4 characters in length. Ameritech STRONGLY RECOMMENDS the COMBINATION of the following data elements be UNIQUE for each Baseline Item on a HARDWIRED requisitoin/TEO.	
BAK09	Seller's Order Number
and	Vendor Specification Number
PO1xx=VX/PO1yy	Vendor's Supplemental Item Number
and	Subline Number
PO101	
and	
PO1xx=VS/PO1yy	
or	
SLN01	
The use of PO1xx-VS/PO1yy and SLN01 is NOT RECOMMENDED.	

SLN02. Subline Level (Data Element #660)

NOT USED BY T1.

SLN03. Configuration Code (Data Element #661)

(Spec: Mandatory, Type = ID, Min/Max = 01/01)

The Configuration Code indicates whether the subline item is included in, added to, or deleted from the baseline item configuration. The preferred TI-recognized codes for this transaction are:

CODE	DEFINITION
A	Added to the Configuration
D	Deleted from the Configuration
I	Included in the Configuration

A complete list of the TI-recognized codes can be found in Appendix A.

> Ameritech RECOMMENDS the Included in the Configuration (I) Configuration Code be pro-
> vided when PLUG-IN ITEMS are embedded in or part of a hardwired frame, sub-assembly,
> etc. The corresponding hardwired frame, shelf, sub-assembly that the plug-in items are em-
> bedded in must also be provided as a separate SLN segment.

SLN04. Quantity (Data Element #380)

(Spec: Mandatory, Type = R, Min/Max = 01/10)

This data element contains the quantity to be added to, included in or deleted from the baseline
item. See Note 4.

> Ameritech RECOMMENDS the Quanitity data element NOT EXCEED eight (8) characters in
> length.

SLN05. Unit of Measurement Code (Data Element #355)

(Spec. Mandatory, Type = ID, Min/Max = 02/02)

This code identifies the basic unit of measurement for the subline item being acknowledged.
The TI-recognized codes can be found in Appendix A.

> The Ameritech preferred codes for PICS/DCPR BVAPP Implementation are shown in Ap-
> pendix A.

SLN06. Unit Price (Data Element #212)

(Spec: Mandatory, Type = R, Min/Max = 01/14)

This data element contains the price per unit of the product, service, commodity, etc. of the
subline item being added to, deleted from or included in the baseline item. See Notes 3 and 4.

SLN07. Basis of Unit Price Code (Data Element #639)

(Spec: Optional, Type = ID, Min/Max = 02/02)

This code defines the price indicated for an item. See Note 4. For calculation of extended
amount, see formula under Basis of Unit Price (PO105). The TI-recognized codes can be
found in Appendix A.

> Ameritech STRONGLY RECOMMENDS the Basis of Unit Price Code data element. The
> Ameritech preferred codes for PICS/DCPR BVAPP Implementation are shown in Appendix A.

SLN08. Subline Price Change I.D. (Data Element #662)

(Spec: Mandatory, Type = ID, Min/Max = 01/01)

This code indicates whether the price of the subline item is included in, added to, or subtracted from the baseline item unit price (PO104). The preferred TI-recognized codes for this transaction are:

CODE	DEFINITION
A	Added to the Baseline Item Unit Price
I	Included in the Baseline Item Unit Price
S	Subtracted from the Baseline Item Unit Price

A complete list of T-1 recognized codes can be found in Appendix A.

> Ameritech RECOMMENDS the Added to the Baseline Unit Price (A) Subline Price Charge I.D. code be provided for embedded PLUG-IN items and associated HARDWIRED frame, self, sub-assembly, etc. when provided.

SLN09. Product I.D. Qualifier (Data Element #235)

(Spec: Optional, Type = ID, Min/Max = 02/02)

This qualifier identifies the type of source of the descriptive information being provided in the Product I.D. (SLN10). See Notes 1 and 2. The preferred codes for this data element are:

"CI" - CLEI(TM) (COMMON LANGUAGE Equipment Identifier) is an alphanumeric code describing a unique equipment item (10 characters) or a group of related equipment items (7 characters). The Language Standards Division of Bell Communications Research, Inc. controls the assignment of these codes. CI is an approved ANSI code and will be published in the next release.

> Ameritech STRONGLY RECOMMENDS the CLEI(TM) Product I.D. Qualifier/Product I.D. pair be provided for ALL PLUG-IN ITEMS on a HARDWIRED requistion/TEO, including ALL PLUG-IN units embedded in or part of a hardwired frame, shelf, sub-assembly, etc.

"CT" - Continuation of the part number, used when the part number exceeds 30 characters.

Ameritech does NOT RECOMMEND the Continuation of the Part Number Product I.D. Qual-
ifer/Product I.D. pair.

"IN" - Buyer's Item Number is the Customer's Standard Supply Item Number used in the inter-
nal system.

Ameritech does NOT RECOMMEND the Buyer's Item Number Product I.D. Qualifier/Product
I.D. pair.

"MF" - Manufacturer is an alphanumeric code that specifies the manufacturer of the equipment.

Ameritech STRONGLY RECOMMENDS the Manufacturer Product I.D. Qualifier/Product I.D.
pair be provided for ALL ITEMS. Ameritech also STRONGLY RECOMMENDS the Manufac-
turers Product I.D. be the 4 character alpha code that is assigned and maintained by the
Language Standards Division of Bell Communications Research, Inc.

"PN" - Company Part Number is an alphanumeric code which qualifies the basic unit to
uniquely identify a specific piece of the vendor's equipment.

Ameritech STRONGLY RECOMMENDS the Company Part Number Product I.D. Qualifier/
Product I.D. pair be provided for ALL HARDWIRED ITEMS on a HARDWIRED requisition/
TEO. Ameritech also STRONGLY RECOMMENDS the Company Part Number Product I.D.
be the part number that is assigned and maintained by the Language Standards Division of
Bell Communicatoins Research, Inc. If the item does not meet the criteria for coding by the
Language Standards Division of Bell Communications Research, Inc. and will not be coded,
Ameritech RECOMMENDS the Vendor's Item Number (VN) Product I.D. Qualifier/Product I.D.
pair be provided.

"RD" - Reel Number to be specified by the customer when ordering cable. A customer reel
number can be provided and used or the vendor can assign a number so that the trading part-
ners can maintain inventories and audit the return of non-billable reels to the vendor.

Ameritech does NOT RECOMMEND the Reel Number Product I.D. Qualifier/Product I.D. pair.

"SV" - Services Rendered specifies a non-material charge such as Engineering or Installation.

Ameritech does NOT RECOMMEND the Services Rendered Product I.D. Qualifier/Product
I.D. pair.

"UP" - Universal Product Code (UPC) (Full 11-digit number) is a common code used by the vendor and the customer to eliminate the necessity for descriptions. The codes are administered by:

Uniform Product Council, 7051 Corporate Way, Dayton, Ohio 45459

> Ameritech does NOT RECOMMEND the Universal Product Code (UPC) Product I.D. Qualifier/Product I.D. pair.

"VN" - Vendor's Item Number is an alphanumeric code that the vendor uses to identify the material ordered. This is the number that appears in the vendor's catalog.

> Ameritech RECOMMENDS the Vendor's Item Number Product I.D. Qualifier/Product I.D. pair be provided only if the item does not meet the criteria for coding by the Language Standards Division of Bell Communications Research, Inc. and will not be coded.

"VO" - Vendor Order Number is a number assigned by the vendor to all or part of a customer order. The use of the vendor order number is at the vendor's discretion, as long as the use is consistent for the same items on related transaction sets.

> Ameritech does NOT RECOMMEND the Vendor's Order Number Product I.D. pair. Ameritech prefers the use of Seller's Order Number (BAK09) data element.

"VS" - Vendor's Supplemental Item Number is an alphanumeric point item number used to subdivide a grouping of related pieces of equipment into separately orderable entities. It is also used for substitution items.

> Ameritech does NOT RECOMMEND the Vendor's Supplemental Item Number Product I.D. Qualifier/Product I.D. pair.

"VU" - Vendor's Basic Unit Number is an alphanumeric code which defines a family of related items of equipment.

Ameritech STRONGLY RECOMMENDS the Vendor's Basic Unit Number Product I.D. Quali-fier/Product I.D. pair be provided for ALL HARDWIRED ITEMS on a HARDWIRED requisition/ TEO. Ameritech also STRONGLY RECOMMENDS the Vendor's Basic Unit Number Product I.D. be the basic unit that is assigned and maintained by the Language Standards Division of Bell Communications Research, Inc. If the item does not meet the criteria for coding by the Language Standards Division of Bell Communications Research, Inc. and will not be coded, Ameritech RECOMMENDS the Vendor's Item Number (VN) Product I.D. Qualifier/Product I.D. pair be provided.

"VX" - Vendor Specification Number is a number assigned by the customer engineer or the ven-dor engineer, depending on who engineered the order, to all or part of the order. An engineer will usually use this data element to subdivide an order. The use of the vendor specification number is at the vendor's discretion for vendor engineered jobs, as long as the use is consis-tent for the same item on all related transaction sets.

Ameritech STRONGLY RECOMMENDS the Vendor Specification Number Product I.D. Quali-fier/Product I.D. pair be provided for a vendor engineered requisition/TEO. Ameritech STRONGLY RECOMMENDS the combination of the Seller's Order Number (BAK09), the Purchase Order Line Number (PO101), the Vendor Specification Number (PO1xx=VX)/Prod-uct I.D. (PO1yy) and the Subline Number (SLN01) data elements be UNIQUE for each Subline Number segment on a HARDWIRED requisition/TEO. Ameritech also STRONGLY RECOMMENDS the Vendor Specification Number (SLNxx=VX)/Product I.D. (SLNyy) in the Subline Item Detail segment be the SAME as the Vendor Specification Number (PO1xx=VX)/ Product I.D. (PO1yy) in the Baseline Item Data segment.

A complete list of the TI-recognized codes can be found in Appendix A.

SLN10. Product I.D. (Data Element #234)

(Spec: Condition, Type = AN, Min/Max = 01/30)

This data element identifies the number for a product or service. See Notes 1 and 2.

Ameritech STRONGLY RECOMMENDS the maximum lengths of the Product I.D.s be limited as follows:	
PRODUCT I.D. QUALIFIER (SLNxx)	MAX LENGTH OF PRODUCT I.D. (SLNyy)
CI	10
MF	4
PN	30

VN	30
VU	11
VX	7

NOTE: 1. If SLN09 is used SLN10 is required.

NOTE: 2. The Product I.D. Qualifier (SLN09)/Product I.D. (SLN10) combination can occur a total of ten times. All notes applicable to SLN09 and SLN10 apply.

Ameritech STRONGLY RECOMMENDS the following pairs ofSLNxx/SLNyy be provided for items on a HARDWIRED requisition/TEO.	
VX, MF, VU, PN	(coded hardwired items)
VX, MF, CI	(CLEI(TM) plug-in items)
VX, MF, VN	(non-coded minor items)

NOTE: If quantity is not applicable, as may be the case for some services, Quantity (SLN04) must contain a zero and Unit Price (SLN06) will contain the total price. Since Unit Price (SLN06) contains the total price, the formula shown in Basis of Unit Price Code (PO105) for calculation of the extended amount is not appropriate.

Ameritech does NOT RECOMMEND the provision of services in the SLN segments.

NOTE: 4. If Quantity (SLN04) is other than zero, Basis of Unit Price Code (SLN07) is required.

J2X - ITEM DESCRIPTION

Purpose: To describe an item in either an industry standard or a free-form format.

HARDWIRED
Ameritech STRONGLY RECOMMENS the Item Description segment for the frame identification of baseline items on a HARDWIRED requisition/TEO that is vendor engineered.
PLUG-IN
The Item Description segment is NOT RECOMMENDED for any items ona PLUG-IN requisition/TEO.

Spec: Optional, Max Length = 90, Max Use = 1,000, Within the PO1 loop

Diagram:

J2X01. Item Description Qualifier (Data Element #348)

(Spec: Mandatory, Type = ID, Min/Max = 02/02)

This code identifies the group or industry for the product. 'TI' (Telecommunications Industry) is the only TI-recognized code.

J2X02. Item Description Type (Data Element #349)

(Spec: Mandatory, Type = ID, Min/Max = 01/01)

This code indicates the format of the description. The preferred TI-recognized codes for this transaction are:

CODE	DESCRIPTION
F	Free-form
S	Structured

A complete list of the TI-recognized codes can be found in Appendix A.

> Ameritech RECOMMENDS the Structured(s) Item Description Type when the frame ID is provided. The Free Form (F) Item Description is recommended when a minor/expense roll-up is provided (see Appendix 4).

J2X03. Item Description (Data Element #372)

(Spec: Mandatory, Type = AN, Min/Max = 01/80)

This data element contains a free-form description of the item being purchased. If item Description Type (J2X02) is 'S', then this data element contains structured data as agreed on by the trading partners.

Ameritech STRONGLY RECOMMENDS the Item Description data element contain a 23 character frame ID code. The frame ID code shall be structured as follows:		
POS	CONTENTS	
01-02	Floor	(M AN 02/02)
03-07	Line-up or Frame Function	(M AN 05/05)
08-09	Bay Number	(M AN 02/02)
10	Bay Designation	(M AN 01/01)
11-19	Quantity (Zero Filled)	(M N0 09/09)

See Appendix 4 regarding the structure of data elements for minor/expense roll-up.

PO3 - ADDITIONAL ITEM DETAIL

Purpose: To specify item-related changes to the PO1 or SLN segments in the purchase order or purchase order acknowledgment. These changes involve variations in the price/quantity information.

The PO3 segment is an optional segment used to specify additional item related data involving variations in normal price/quantity structure. The quantity and price information specified in the PO1 or SLN segments represent information from the original purchase order or the most recent previous acknowledgment of that order. If this order acknowledgment changes quantity or price information for the item, then the changed information is supplied in the PO3 segment.

Ameritech STRONGLY RECOMMENDS that PO3 segment NOT be provided on the original purchase order acknowledgment.

Spec: Optional, Max Length = 131, Max Use = 25 Within PO1 loop.

Diagram:

PO301. Change Reason Code (Data Element #371)

(Spec: Mandatory, Type = ID, Min/Max = 02/02)

The code specifies the reason for the price or quantity change. See Note 5. The preferred TI-recognized codes for this transaction are:

CODE	DEFINITION
AQ	Alternative Quantity and Unit of Measure
QO	Quantity Ordered
QP	Quantity Based on Price Qualifier
QT	Quantity Price Break
UM	Unit of Measure Difference
UP	Unit Price

A complete list of the TI-recognized codes can be found in Appendix A.

> **HARDWIRED**
>
> The Ameritech preferred Change Reason Code for HARDWIRED requisition/TEOs are listed above.
>
> **PLUG-IN**
>
> The Ameritech preferred Change Reason Codes for PLUG-IN requisition/TEOs are Quantity Ordered (QO), Quantity Price Break (QT), or Unit Price (UP).

PO302. Date (Data Element #373)

(Spec: Optional, Type = DT, Min/Max = 06/06)

This data element is the effective date related to the Change Reason Code (PO301) whenever it may be applicable.

> Ameritech RECOMMENDS the Date data element.

PO303. Price Qualifier (Data Element #236)

(Spec: Optional, Type = ID, Min/Max = 03/03)

This code identifies the pricing specifications. See Note 1, The TI-recognized codes can be found in Appendix A.

> Ameritech does NOT RECOMMEND the Price Qualifier data element.

PO304. Unit Price (Data Element #212)

(Spec: Conditional, Type = R, Min/Max = 01/14)

This is the price per unit of the product, service, commodity, etc. See Notes 1 and 3.

> Ameritech STRONGLY RECOMMENDS the Unit Price data element.

PO305. Basis of Unit Price Code (Data Element #639)

(Spec: Optional, Type = ID, Min/Max = 02/02)

This code identifies the type of price indicated for an item. For calculation of the extended amount see the formula under Basis of Unit Price Code (PO105). See Notes 1 and 4. The TI-recognized codes can be found in Appendix A.

> Ameritech STRONGLY RECOMMENDS the Basis of Unit Price Code data element. The Ameritech preferred codes for PICS/DCPR BVAPP Implementation are shown in Appendix A.

PO306. Quantity (Data Element #380)

(Spec: Mandatory, Type = R, Min/Max = 01/10)

This contains the numeric value of the quantity. See Notes 2 and 4.

> Ameritech RECOMMENDS the Quantity Ordered data element NOT EXCEED eight (8) characters in length.

PO307. Unit of Measure Code (Data Element #355)

(Spec: Mandatory, Type = ID, Min/Max = 02/02)

This code identifies the basic unit of measurement of the Quantity (PO306). See Note 2. The TI-recognized codes can be found in Appendix A.

> The Ameritech preferred codes for PICS/DCPR BVAPP Implementation are shown in Appendix A.

PO308. Description (Data Element #352)

(Spec: Optional, Type = AN, Min/Max = 01/80)

This data element is a free-form description to clarify the related data elements and their content. See Note 5.

> Ameritech STRONGLY RECOMMENDS the Description data element when a previously acknowledged SLN segment is being changed.

NOTE: 1. If PO303 or PO305 is used PO304 is required.

> Ameritech RECOMMENDS PO305 and PO304.

NOTE: 2. PO307 defines the unit of measure for PO306.

NOTE: 3. If the quantity is not applicable, as may be the case for some services, Quantity (PO306) must contain a zero and Unit Price (PO304) will contain the total price. Since Unit Price (PO304) contains the total price, the formula shown in Basis of Unit Price Code (PO105) for calculation of the extended amount is not appropriate.

NOTE: 4. If Quantity (PO306) is other than zero, Basis of Unit Price Code (PO305) is required.

NOTE: 5. If this segment is being used to modify a previous SLN segment, the Change Reason Code (PO301) must contain "ZZ" and the Description (PO308) must be structured with the first two characters containing the Change Reason Code, the next six characters containing the Subline Number (SLN) and the remaining seventy-two positions a free-form description, if applicable.

POS	CONTENTS
01-02	Change Reason Code (ZZ) (M A/N 02/02)
03-08	Subline Number (SLN01) left justified, blank filled (M A/N 06/06)
09-80	Free-form description (o A/N 01/72)

SSS - SPECIAL SERVICES

Purpose: To specify special conditions or services associated with the purchased product (line item). The Telecommunications Industry recommends that this segment be used for non-billable services only.

Spec: Optional, Max Length = 67, Max Use = 25 Within the PO1 loop.

Diagram:

The Special Services segment is NOT RECOMMENDED. See TCIF GUIDELINES for data element definitions.

ITA - ALLOWANCE OR CHARGE

Purpose: To specify allowances or charges related to a line item.

Spec: Optional, Max Length = 175, Max Use = 10 Within PO1 loop.

Diagram:

> The Allowance or Charge segment is NOT RECOMMENDED. Ameritech preferes Trade Discounts to be incorporated into the unit price data elements. See TCIF GUIDELINES for data element definitions.

IT8 - CONDITIONS OF SALE

Purpose: To specify general conditions or requirements of the sale and to detail conditions for substitution of alternative products or services. This segment will override the CSH segment in the purchase order acknowledgment header.

Spec: Optional, Max Length = 402, Max Use = 1 Within the PO1 loop.

Diagram:

> The Condition of Sale segment is NOT RECOMMENDED. See TCIF GUIDELINES for data element definitions.

TAX - TAX REFERENCE

Purpose: To provide data required for proper notification/determination of applicable sales and related taxes applying to the item.

Spec: Optional, Max Length = 170, Max Use = 1 Within PO1 loop

Diagram:

> The Tax Reference segment is NOT RECOMMENDED.

N1 - NAME

Purpose: To identify a party by the type or organization, name, or code. This segment (loop) will be used if the ship to address for an item is different from the ship to address provided in the header. If the Name (N102) is used in this segment, the N3 and N4 segments are required.

Spec: Optional, Max Length = 63 Max Use = 1 N1 Loopstart Max Loops = 5 Within PO1 Loop

Diagram:

The Additional Name segment is NOT RECOMMENDED. See TCIF GUIDELINES for data element definitions.

N2 - ADDITIONAL NAME INFORMATION

Purpose: To specify additional names or those longer than 35 characters in length.

Spec: Optional, Max Length = 75, Max Use = 2 within the N1 loop Within the PO1 loop.

Diagram:

The Additional Name segment is NOT RECOMMENDED. See TCIF GUIDELINES for data element definitions.

N3 - STREET ADDRESS

Purpose: To specify the street, building, or other address information. This segment is required if the Name (N102) was specified in the N1 segment.

Spec: Optional, Max Length = 75, Max Use = 2 within the N1 loop Within the PO1 loop

Diagram:

The Street Address segment is NOT RECOMMENDED. See TCIF GUIDELINES for data element definitions.

N4 - CITY/STATE

Purpose: To specify the geographic location of the named party. This segment is required if the Name (N102) was specified in the N1 segment.

Spec: Optional, Max Length = 68, Max Use = 1 within the N1 loop Within the PO1 loop

Diagram:

The City/State segment is NOT RECOMMENDED. See TCIF GUIDELINES for data element definitions.

REF - REFERENCE NUMBERS

Purpose: To transmit identifying numbers associated with the named party.

Spec: Optional, Max Length = 119, Max Use = 12 within the N1 loop Within the PO1 loop

Diagram:

		REF01 128 REFERENCE NO. QUALIF. M an 02/02		REF02 127 REFERENCE NUMBER C AN 01/30		REF03 352 DESCRIPTION C AN 01/80	N L
REF	*		*		*		

> The Reference Numbers segment is NOT RECOMMENDED. See TCIF GUIDELINES for data element defintions.

PER - ADMINISTRATIVE COMMUNICATION CONTACT

Purpose: To identify a person or office to whom administrative communications should be directed.

Spec: Optional, Max Length = 114, Max Use = 3 N1 loop end, if used, Within the PO loop

Diagram:

		PER01 366 CONTACT FUNCTION CODE M ID 02/02		PER02 93 NAME O AN 01/35		PER03 365 COMM. NUMBER QUALIFIER O ID 02/02	*
PER	*		*		*		

PER04 364 COMM. NUMBER C AN 07/21	*	PER05 326 REQUEST REF. NUMBER @ ID 01/45	N L

> The Administrative Communications Contact segment is NOT RECOMMENDED. See TCIF GUIDELINES for data element definitions.

DTM - DATE/TIME REFERENCE

Purpose: To specify pertinent dates and times.

Spec: Optional, Max Length = 20, Max Use = 10 Within in PO1 loop

Diagram:

| DTM | * | DTM01 374
DATE/TIME
QUALIFIER

M   ID   03/03 | * | DTM02 373

DATE

C   DT   06/06 | * | DTM03 337

TIME

C   TM   04/04 | * |

> The Date/Time Reference segment is NOT RECOMMENDED. See TCIF GUIDELINES for data element definitions.

SCH - LINE ITEM SCHEDULE

Purpose: To specify the data for scheduling a specific line item. This segment will override the SHH segment in the header.

> The Line Item Schedule segment is RECOMMENDED for PLUG-IN and hardwired requisition/TEOs only. This segment is recommended only when item information differs from SHH.

Spec: Optional, Max Length = 154, Max Use = 104 Within PO1 Loop

Diagram:

| SCH | * | SCH01 380

QUANTITY

M   R   01/10 | * | SCH02 355
UNIT OF
MEASURE
CODE
M   ID   02/02 | * | SCH03 352

DESCRIPTION

@   AN   01/80 | * |

| | | SCH04 98
ORGANIZATION
IDENTIFIER

@   ID   02/02 | * | SCH05 93

NAME

@   AN   01/35 | * | SCH06 374
DATE/TIME
QUALIFIER

M   ID   03/03 | * |

| | | SCH07 373

NAME

C   DT   06/06 | * | SCH08 337

TIME

C   TM   04/04 | N
L |

SCH01. Quantity (Data Element #380)

(Spec: Mandatory, Type = R, Min/Max = 01/10)

This data element contains the numeric value of the quantity. See Note 1.

SCH02. Unit of Measure Code (Data Element #355)

(Spec: Mandatory, Type = ID, Min/Max = 02/02)

This code identifies the basic unit of measurement. See Note 1. The TI-recognized codes can be found in Appendix A.

> The Ameritech preferred codes for PICS/DCPR BVAPP Implementation are shown in Appendix A.

SCH03. Description (Data Element #352)

NOT USED BY TI.

SCH04. Organization Identifier (Data Element #98)

NOT USED BY TI.

SCH05. Name (Data Element #93)

NOT USED BY TI.

SCH06. Date/Time Qualifier (Data Element #374)

(Spec: Mandatory, Type = ID, Min/Max = 03/03)

This data element identifies the type of date/time information that is to follow. The TI-recognized codes can be found in Appendix A.

> The Ameritech preferred codes for PICS/DCPR BVAPP Implementation are shown in Appendix A.

SCH07. Date (Data Element #373)

(Spec: Conditional, Type = DT, Min/Max = 06/06)

This data element is the date associated with the Date/Time Qualifier (SCH06).

> The Date data element is RECOMMENDED.

SCH08. Time (Data Element #337)

(Spec: Conditional, Type = TM, Min/Max = 04/04)

This data element is the time associated with the Date/Time Qualifier (SCH06).

> The Time data element is NOT RECOMMENDED.

NOTE: 1. The Unit of Measure Code (SCH02) should always be the same as the Unit of Measure Code in the associated PO1 segment, and the sum of the values of Quantity (SCH01) should always equal the Qualifier Ordered (PO102) in the PO1 segment.

FOB - F.O.B. RELATED INSTRUCTIONS

Purpose: To specify transportation instructions relating to shipment, when the transportation instructions differ from the instructions specified in the formal agreement between the trading partners.

Spec: Optional, Max Length = 185, Max Use = 1 Within the PO1 loop
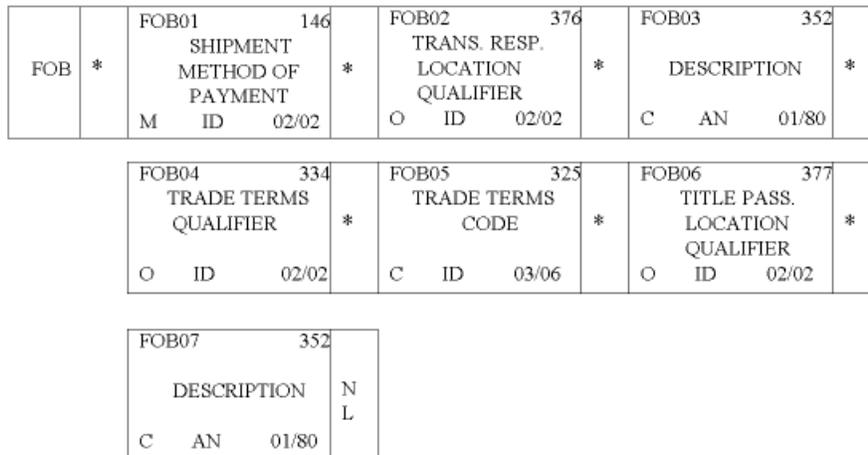
Diagram:

FOB	*	FOB01 146 SHIPMENT METHOD OF PAYMENT M ID 02/02	*	FOB02 376 TRANS. RESP. LOCATION QUALIFIER O ID 02/02	*	FOB03 352 DESCRIPTION C AN 01/80	*
		FOB04 334 TRADE TERMS QUALIFIER O ID 02/02	*	FOB05 325 TRADE TERMS CODE C ID 03/06	*	FOB06 377 TITLE PASS. LOCATION QUALIFIER O ID 02/02	*
		FOB07 352 DESCRIPTION C AN 01/80	N L				

> The F.O.B. Related Instructions segment is NOT RECOMMENDED. See TCIF GUIDELINES for data element definitions.

TD1 - CARRIER DETAILS (QUANTITY AND WEIGHT)

Purpose: To specify transportation details relative to commodity, weight, and quantity.

Spec: Optional, Max Length = 72, Max Use = 1 Within the PO1 loop

Diagram:

The Carrier Details (Quantity and Weight) segment is NOT RECOMMENDED. See TCIF GUIDELINES for data element definitions.

TD2 - CARRIER DETAILS (ROUTING)

Purpose: To specify the carrier and sequence of routing.

Spec: Optional, Max Length = 80, Max Use = 12 Within the PO1 loop

Diagram:

The Carrier Details (Routing) segment is NOT RECOMMENDED. See TCIF GUIDELINES for data element definitions.

TD3 - CARRIER DETAILS (EQUIPMENT)

Purpose: To specify transportation details relating to the equipment used by the carrier.

Spec: Optional, Max Length = 37, Max Use = 12 Within the PO1 loop

Diagram:

The Carrier Details (Equipment) segment is NOT RECOMMENDED. See TCIF GUIDELINES for data element definitions.

TD4 - CARRIER DETAILS (SPECIAL HANDLING/HAZARDOUS MATERIAL)

Purpose: To specify transportation special handling requirements and hazardous materials information.

Spec: Optional, Max Length = 96, Max Use = 5 Within the PO1 loop

Diagram:

| TD4 | * | TD401   152
SPEC. HAND.
CODE

C   ID   02/03 | * | TD402   208
HAZARD MATL.
CODE QUALIF.

O   ID   01/01 | * | TD403   209
HAZARDOUS
MATL. CLASS
CODE
C   AN   02/04 | * |

| TD404   352
DESCRIPTION

C   AN   01/80 | N
L |

> The Carrier Details (Special Handling/Hazardous Material) segment is NOT RECOMMENDED. See TCIF GUIDELINES for data element defintions.

MAN - MARKS AND NUMBERS

Purpose: To indicate identifying marks and numbers for shipping containers.

Spec: Optional, Max Length = 53, Max Use = 10 Within the PO1 loop

Diagram:

| MAN | * | MAN01   88
MARKS AND
NOS. QUAL.

M   ID   01/02 | * | MAN02   87
MARKS AND
NUMBERS

M   AN   01/45 | N
L |

> The Marks and Numbers segment is NOT RECOMMENDED. See TCIF GUIDELINES for data element defintions.

ACK - LINE ITEM ACKNOWLEDGMENTS

Purpose: To acknowledge the ordered quantities and specify the ready date for a specific line item. This segment should be used to show changes in dates and product.

> The Line Item Acknowledgment segment is an optional segment that may be used to acknowledge ordered quantities and specify the ready date. It may also be used to specify product ID changes from what was originally ordered or previously acknowledged. The product ID originally ordered or previously acknowledged is specified in the PO1 or SLN segment. The product ID information in the ACK segment will override the product ID information in the corresponding PO1 or SLN segment.
>
> Ameritech STRONGLY RECOMMENDS that ACK segment NOT be provided on the original purchase order acknowledgment.

Spec: Optional, Max Length = 418, Max Use = 104, PO1 loop end, if used

Diagram:

ACK01. Line Item Status Code (Data Element #668)

(Spec: Mandatory, Type = ID, Min/Max = 02/02)

This code identifies the action taken by the seller on a line item requested by the buyer. The TI-recognized codes can be found in Appendix A.

> The Ameritech preferred codes for PICS/DCPR BVAPP Implementation are shown in Appendix A.

ACK02. Quantity (Data Element #380)

(Spec: Optional, Type = R, Min/Max = 01/10)

This is the numeric value of the quantity. See Note 1.

> Ameritech STRONGLY RECOMMENDS the Quantity Ordered data element and that the ACK02 MATCH the PO102 or SLN04 in the corresponding PO1 or SLN segment respectively.

ACK03. Unit of Measure Code (Data Element #355)

(Spec: Conditional, Type = ID, Min/Max = 02/02)

This code identifies the basic unit of measurement of the Quantity (ACK02). See Note 1. The TI-recognized codes can be found in Appendix A.

> Ameritech STRONGLY RECOMMENDS the Unit of Measure Code (ACK03) MATCH the PO105 or SLN05 in the corresponding PO1 or SLN segment respectively.

ACK04. Date/Time Qualifier (Data Element #374)

(Spec: Optional, Type = ID, Min/Max = 03/03)

This data element identifies the type of date information that is to follow. See Note 2. The TI-recognized codes can be found in Appendix A.

> The Date/Time Qualifier data element is NOT RECOMMENDED.

ACK05. Date (Data Element #373)

(Spec: Conditional, Type = DT, Min/Max = 06/06)

This data element is the date associated with the Date/Time Qualifier (ACK04). See Note 2.

The Date data element is NOT RECOMMENDED.

ACK06. Request Reference Number (Data Element #326)

(Spec: Optional, Type = AN, Min/Max = 01/45)

This data element contains a reference number identifying a particular transaction set.

The Request Reference Number data element is NOT RECOMENDED.

ACK07. Product I.D. Qualifier (Data Element #235)

(Spec: Optional, Type = ID, Min/Max = 02/02)

This qualifier identifies the type or source of the description information being provided in the Product I.D. (ACK08). See Notes 3, 4 and 5. The preferred TI-recognized codes for this data element are:

"CI" - CLEI(TM) (COMMON LANGUAGE Equipment Identifier) is an alphanumeric code describing a unique equipment item (10 characters) or a group of related equipment items (7 characters). The Language Standards Division of Bell Communications Research Inc. controls the assignment of those codes. CI is an approved ANSI code and will be published in the next release.

HARDWIRED

Ameritech STRONGLY RECOMMENDS the CLEI(TM) Product I.D. Qualifier/Product I.D. pair be provided for ALL PLUG-IN ITEMS on a HARDWIRED requisition/TEO, including ALL PLUG-IN units embedded in or part of a hardwired frame, shelf, sub-assembly, etc.

PLUG-IN

Ameritech STRONGLY RECOMMENDS the CLEI(TM) Product I.D. Qualifier/Product I.D. pair be provided for ALL ITEMS on a PLUG-IN requisition/TEO.

"CR" - Contract Number is an alphanumeric code that specifies the purchase agreement between the trading partners.

Ameritech does NOT RECOMMEND the Contract Number Product I.D. Qualifier/Product I.D. pair.

"CT" - Continuation of the part number, used when the part number exceeds 30 characters.

> Ameritech does NOT RECOMMEND the Continuation of the Part Number Product I.D. Quali-
> fier/Product I.D. pair.

"IN" - Buyer's Item Number is the Customer's Standard Supply Item Number used in the inter-
nal system.

> Ameritech does NOT RECOMMEND the Buyer's Item Number Product I.D. Qualifier/Product
> I.D. pair.

"MF" - Manufacturer is an alphanumeric code that specifies the manufacturer of the equipment.

> Ameritech STRONGLY RECOMMENDS the Manufacturer Product I.D. Qualifier/Product I.D.
> pair be provided for ALL ITEMS. Ameritech also STRONGLY RECOMMENDS the Manufac-
> turer Product I.D. be the 4 character alpha code that is assigned and maintained by the
> Language Standards Division of Bell Communications Research, Inc.

"PN" - Company Part Number is an alphanumeric code which qualifies the basis unit to unique
identify a specific piece of the vendor's equipment.

> **HARDWIRED**
>
> Ameritech STRONGLY RECOMMENDS the Company Part Number Product I.D. Qualifier/
> Product I.D. pair be provided for ALL HARDWIRED ITEMS on a HARDWIRED requisition/
> TEO. Ameritech also STRONGLY RECOMMENDS the Company Part Number Product I.D.
> be the part number that is assigned and maintained by the Language Standards Division of
> Bell Communications Research, Inc. If the item does not meet the criteria for coding by the
> Language Standards Division of Bell Communications Research, Inc. and will not be coded,
> Ameritech RECOMMENDS the Vendor's Item Number (VN) Product I.D. Qualifier/Product I.D.
> pari be provided.
>
> **PLUG-IN**
>
> Ameritech does NOT RECOMMEND the Company Part Number Product I.D. Qualifier/Prod-
> uct I.D. pair be provided for items on a PLUG-IN requisition/TEO. If the Company Part
> Number Product I.D. Qualifier/Product I.D. pair be provided, Ameritech STRONGLY RECOM-
> MENDS the Company Part Number Product I.D. be the part number that is assigned and
> maintained by the Language Standards Division of Bell Communications Research, Inc.

"RD" - Reel Number to be specified by the customer when ordering cable. A customer reel number can be provided and used or the vendor can assign a number so that the trading partners can maintain inventories and audit the return of non-billable reels to the vendor.

Ameritech does NOT RECOMMEND the Reel Number Product I.D. Qualifier/Product I.D. pair.

"SV" - Services Rendered specifies a non-material charge such as Engineering or Installation.

Ameritech does NOT RECOMMEND the Service Rendered Product I.D. Qualifier/Product I.D. pair.

"UP" - Universal Product Code (UPC) (Full 11-digit number) is a common code used by all vendor and the customer to eliminate the necessity for descriptions. The codes are administered by:

Uniform Product Council, 7051 Corporate Way, Dayton, Ohio, 45459

Ameritech does NOT RECOMMEND the Universal Product Code (UPC) Product I.D. Qualifier/Product I.D. pair.

"VN" - Vendor's Item Number is an alphanumeric code that the vendor uses to identify the material ordered. This is the number that appears in the vendor's catalog.

HARDWIRED

Ameritech RECOMMENDS the Vendor's Item Number Product I.D. Qualifier/Product I.D. pair to provided only if the item does not meet the criteria for coding by the Language Standards Division of Bell Communications Research, Inc. and will not be coded.

PLUG-IN

Ameritech does NOT RECOMMEND the Vendor's Item Number Product I.D. Qualifier/Product I.D. pair be provided for items on a PLUG-IN requisition/TEO.

"VO" - Vendor Order Number is a number assigned by the vendor to all or part of a customer order. The use of the vendor order number is at the vendor's discretion, as long as the use is consistent for same items on related transaction sets.

Ameritech does NOT RECOMMEND the Vendor's Order Number Product I.D. Qualifier/Product I.D. pair. Ameritech prefers the use of Seller's Order Number (BAK09) data element.

"VS" Vendor"s Supplemental Item Number is an alphanumeric point item number used to subdivide a grouping of related pieces of equipment into separately orderable entities. It is also used for substitution items.

> Ameritech does NOT RECOMMEND the Vendor's Supplemental Item Number Product I.D. Qualifier/Product I.D. pair. Ameritech prefers the use of Subline Number (SLN) segments for providing details of ALL PLUG-IN units embedded in or part of a hardwired frame, shelf, subassembly, etc.

"VU" - Vendor's Basic Unit Number is an alphanumeric code which defines a family of related items or equipment.

> **HARDWIRED**
>
> Ameritech STRONGLY RECOMMENDS the Vendor's Basic Unit Number Product I.D. Qualifier/Product I.D. pair be provided for ALL HARDWIRED ITEMS on a HARDWIRED requisition/ TEO. Ameritech also STRONGLY RECOMMENDS the Vendor's Basic Unit Number Product I.D. be the basic unit that is assigned and maintained by the Language Standards Division of Bell Communications Research, Inc. If the item does not meet the criteria for coding by the Language Standards Division of Bell Communications Research, Inc. and will not be coded, Ameritech RECOMMENDS the Vendor's Item Number (VN) Product I.D. Qualifier/Product I.D. pair be provided.
>
> **PLUG-IN**
>
> Ameritech does NOT RECOMMEND the Vendor's Basic Unit Number Product I.D. Qualifier/ Product I.D. pair be provided for items on a PLUG-IN requisition/TEO. If the Vendor's Basic Unit Number Product I.D. Qualifier/Product I.D. pair is provided, Ameritech STRONGLY REC- OMMENDS the Vendor's Basic Unit Number Product I.D. be the basic unit that is assigned and maintained by the Language Standards Division of Bell Communications Research, Inc.

"VX" - Vendor Specification Number is a number assigned by the customer engineer or the vendor engineer, depending on who engineered the order, to all or part of the order. An engineer will usually use this data element to subdivide an order. The use of the vendor specification number is at the vendor's discretion for vendor engineered jobs, as long as the use is consistent for the same item on all related transaction sets.

HARDWIRED

Ameritech STRONGLY RECOMMENDS the Vendor Specification Number Product I.D. Qualifier/Product I.D. pair MATCH the corresponding VX pair in the PO1 segment.

PLUG-IN

Ameritech does NOT RECOMMEND the Vendor Specification Number Product I.D. Qualifier/Product I.D. pair be provided for items on a PLUG-IN requisition/TEO.

A complete list of the TI-recognized codes can be found in Appendix A.

ACK08. Product I.D. (Data Element #234)

(Spec: Conditional, Type = AN, Min/Max = 01/30)

This data element identifies the number for a product or service. See Notes 3, 4 and 5.

Ameritech STRONGLY RECOMMENDS the maximum lengths of the Product I.D.s be limited as follows:	
PRODUCT I.D. QUALIFIER (ACKxx)	MAX LENGTH OF PRODUCT I.D. (ACKyy)
CI	10
MF	4
PN	30
VN	30
VU	11
VX	7

NOTE: 1. If ACK02 is used ACK03 is required.

Ameritech RECOMMENDS ACK02 and ACK03.

NOTE: 2. If ACK04 is used ACK05 is required.

ACK04 and ACK05 are NOT RECOMMENDED.

NOTE: 3. If ACK07 is used ACK08 is required.

NOTE: 4. The Product I.D. Qualifier (ACK07)/Product I.D. (ACK08) combination can occur a total of ten times. All notes applicable to ACK07 and ACK08 apply.

HARDWIRED

Ameritech STRONGLY RECOMMENDS the following pair of PO1xx/PO1yy be provided for items on a HARDWIRED requisition/TEO:

VX, MF, VU, PN - (coded hardwired items)

VX, MF, CI - CLEI(TM) plug-in items)

VX, MF, VN - (non-coded minor items)

e

PLUG-IN

Ameritech STRONGLY RECOMMENDS the following pairs of PO1xx/PO1yy be provided for items on a PLUG-IN requisition/TEO:

MF, CI - (CLEI(TM) plug-in items)

NOTE: If this segment is being used to modify a previous SLN segment, "ZZ" should be used in the Product I.D. Qualifier (ACK07) and the Subline Number should be in the Product I.D. (ACK08). The next nine combinations of Product I.D. Qualifier and Product I.D. will contain the new data.

5.   Purchase Order Acknowledgment Summary Segments

CTT - TRANSACTION TOTALS

Purpose: To provide hash totals to validate transaction completeness and correctness.

Spec: Mandatory, Max Length = 127, Max Use = 1

Diagram:

CTT01. Number of Line Items (Data Element #354)

(Spec: Mandatory, Type = N0, Min/Max - 01/06)

This data element identifies the total number of line item (PO1 segments) in the transaction set.

CTT02. Hash Total (Data Element #347)

(Spec: Optional, Type = R, Min/Max = 01/10

This data element contains the total of the Quantity Ordered (PO102) for all the Baseline Item Data segments contained in the transaction set.

Ameritech STRONGLY RECOMMENDS the Hash Total data element.

CTT03. Weight (Data Element #81)

NOT USED BY TI.

CTT04. Unit of Measure Code (Data Element #355)

NOT USED BY TI.

CTT05. Volume (Data Element #183)

NOT USED BY TI.

CTT06. Unit of Measure Code (Data Element #355)

NOT USED BY TI.

CTT07. Description (Data Element #352)

NOT USED BY TI.

SE - TRANSACTION SET TRAILER

Purpose: To specify the end of a transaction set.

Spec: Mandatory, Max Length = 20, Max Use = 1

Diagram:

SE01. Number of included Segments (Data Element #96)

(Spec: Mandatory, Type = N0, Min/Max = 01/06)

This data element identifies the number of included segments used in the transaction set, including the "ST" and "SE" segments.

SE02. Transaction Set Control Number (Data Element #329)

Spec: Mandatory, Type = AN, Min/Max = 04/09)

This data element is the identifying control number assigned by the originator of the transaction set. The value of this element must equal the same data element in the Transaction Set Header (ST02).

6.   Control Segments

GE - FUNCTIONAL GROUP TRAILER (END)

Purpose: To define (specify) the end of a functional group of related transaction sets.

Spec: Mandatory, Fixed Length = 20, Max Use = 1

Diagram:

		GE01 97		GE02 28	
GE	*	NUMBER OF INCL. TRANS. SETS	*	DATA INTERCHANGE CONTROL NO.	N L
		M N0 01/06		M N0 01/09	

GE01. Number of Included Transaction Sets (Data Element #97)

(Spec: Mandatory, Type = N0, Min/Max = 01/06)

This number represents the total number of transaction sets (as defined by ST and SE segment pairs) that are included between the Group Start (GS) segment and the Group End (GE) segment.

GE02. Data Interchange Control Number (Data Element #28)

(Spec: Mandatory, Type = N0, Min/Max = 01/09)

This control number is generated by the sender of the transaction set(s) bounded by the Group Start (GS) and Group End (GE) segments. The Data Interchange Control Number used in the Group End (GE) segment must match exactly the Data Interchange Control Number (GS06) in the Functional Group Header (GS) segment. (Identical Data Interchange Control Numbers (GS06 and GE02) in the associated Functional Group Header segment (GS) and Functional Group Trailer segment (GE) is designed to maximize functional group integrity.)

IEA - INTERCHANGE CONTROL TRAILER

Purpose: To define the end of an interchange of one or more functional groups, and interchange related control segments. IEA is an approved ANSI segment and will be published in the next release.

Spec: Mandatory, Max Length = 20, Max Use = 1

Diagram:

		IEA01 405		IEA02 709	
IEA	*	NUMBER OF INCLUDED. GROUPS	*	INTERCHANGE CONTROL NUMBER	N L
		M N0 01/05		M N0 09/09	

IEA01. Number of Included Functional Groups (Data Element #405)

(Spec: Mandatory, Type = N0, Min/Max = 01/05)

The Number of Included Functional Groups is the total of all functional groups included in the interchange.

IEA02. Interchange Control Number (Data Element #709)

(Spec: Mandatory, Type = N0, Min/Max - 09/09)

The Interchange Control Number is generated by the sender of the interchange and is used to uniquely identify the interchange to the sender. In conjunction with the Interchange Sender I.D. (ISA06) in the Interchange Control Header (ISA) segment, it uniquely identifies the interchange to the receiver. The Interchange Control Number used in the Interchange Control Trailer (IEA) must match exactly the Interchange Control Number (ISA13) used in the Interchange Control Header (ISA) segment.

Appendix 1: Ameritech BVAPP MOA/MI Coordinators

AMERITECH SERVICES INC

    BVAPP MOA/MI Coordinator   Phone: (708) 248-4335
    2000 W. Ameritech Ctr. Dr., 3D09E   Fax: (708) 248-3941
    Hoffman Estates, Illinois 60196

INDIANA BELL

    BVAPP MOA/MI Coordinator   Phone: (317) 265-5330
    240 North Meridian, Room 1567   Fax: (317) 265-2286
    Indianapolis, Indiana 46204

ILLINOIS BELL

    BVAPP MOA/MI Coordinator   Phone: (312) 727-7292
    225 West Randolph, Room 19G   Fax: (312) 977-8528
    Chicago, Illinois 60606

MICHIGAN BELL

    BVAPP MOA/MI Coordinator   Phone: (313) 262-4064
    29777 Telegraph Road, Room 4671   Fax: (313) 262-4779
    Southfield, Michigan 48034

OHIO BELL

    BVAPP MOA/MI Coordinator   Phone: (614) 223-6668
    150 East Gay Street, Room 20P   Fax: (614) 223-4501
    Columbus, Ohio 43215

WISCONSIN BELL

    BVAPP MOA/MI Coordinator   Phone: (414) 523-8692
    125 North Executive Drive   Fax: (414) 523-5010
    2nd Floor
    Brookfield, Wisconsin 53005

APPENDIX 2: Purchase Order Line Numbers for Non-Material Items On Hardwired Requisition/TEO's

PURCHASE ORDER LINE NUMBERS
FOR NON-MATERIAL ITEMS
ON HARDWIRED REQUISTION/TEO'S

ITEM NO.	DESCRIPTION OR CHARGES	BILLING CAT
980	ASSEMBLY	ASSM
986	REPRODUCTION SERVICES	REPR
987	RENTS AND LEASES	R&L
988	WAREHOUSING	WARE
989	HAULING AND HOISTING	H&H
990	CLAIMS	MISC
991	MATERIAL SERVICES FINAL BILL (00) AMOUNT. IF MATERIAL AMOUNT IS ON FINAL BILL, IT HAS TO BE CHARGED TOA SPECIFIC ITEM NUMBER.	MATN
994	RIGHT-TO-USE FEES – INITIAL	RTUI
995	RIGHT-TO-USE FEES – RECURRING	RTUR
996	INSTALLATION CHARGES	LABI
997	ENGINEERING CHARGES	ENG
999	TRANSPORTATION CHARGES	TRNV

NOTE: IF THERE IS MORE THAN ONE CHARGE BY VENDOR ORDER AND VENDOR SPEC ON AN INVOICE, A SUPPLEMENTAL ITEM NUMBER MUST BE USED TO SEPARATE THE CHARGES.

APPENDIX 3: PICS/DCPR BVAPP Billing Categories

PICS/DCPR BVAPP
BILLING CATEGORIES

BILLING CATEGORY	HW	PI	REP	DESCRIPTION	FINAL BILL INDICATOR
ASSM	X			SHOP ASSEMBLY CHARGES – (e.g., CEV)	IB
ENG	X			ENGINEERING	EB
FRMW	X			FIRMWARE	MB
H&H	X			HAULING AND HOISTING	MB
JREC			X	JUNKED IN REPAIR RECORD/CHARGE	—
LABI	X			LABOR – INSTALLATION	IB
LABM			X	LABOR – MODIFY/UPGRADE	—
LABN			X	LABOR – NO TROUBLE FOUND	—
LABR			X	LABOR – REPAIR	—
LABT			X	LABOR – TEST AND CALIBRATE	—
MATM			X	MATERIAL – MODIFY/UPGRADE	—
MATN	X	X		MATERIAL – NEW	MB
MATP	X			MATERIAL – PRINTED (ASI ONLY)	MB
MATR			X	MATERIAL – REPAIR	—
OSSS	X			OPTIONAL SOFTWARE SUPPORT SERVICES	RB
OWRL			X	OUT-OF-WARRANTY REPAIR LABEL (WARRANTY ORDER)	—
OWRM			X	OUT-OF-WARRANTY REPAIR MATRL (WARRANTY ORDER)	—
OWSC			X	OUT-OF-WARRANTY SERVICE CHARGE (SPARE EXCH)	—
PUBL	X			PUBLICATIONS	MB
R&L	X			RENTS AND LEASES	MB
REPR	X			REPRODUCTION	MB
RTUI	X			RIGHT-TO-USE FEES – INITIAL	RB
RTUR	X			RIGHT-TO-USE FEES – RECURRING	RB
SALV	X			SALVAGE CREDITS	MB
SERC	X			SERVICE CHARGES	MB
SERO			X	SERVICE CHARGE (SPARE EXCHANGE)	—
TRND	X	X	X	TRANSPORTATION – DIRECT BILLING	MB
TRNV	X	X	X	TRANSPORTATION – VENDOR PROVIDED	MB
TRN3	X	X	X	TRANSPORTATION – THIRD PARTY BILLING	MB
WARE	X			WAREHOUSING	MB

NOTES:

1. THE USE OF ANY NON-REPAIR BILLING CATEGORY FOR A REPAIR INVOICE WILL RESULT IN THE REJECTION OF THE INVOICE IN PICS/DCPR BVAPP.

2. TRANSPORTATION CHARGES FOR REPAIR SERVICE ORDERS (RSO'S) SHOULD BE PROVIDED AS SEPARATE LINE ITEMS (IT1 SEGMENTS). THE USE OF ITA SEG- MENTS IN A REPAIR INVOICE MAY RESULT IN DELAYED PAYMENT OF THE INVOICE.

3. THE USE OF ANY NON-PLUG-IN BILLING CATEGORY FOR A PLUG-IN INVOICE MAY RESULT IN DELAYED PAYMENT OF THE INVOICE.

4. THE USE OF ANY NON-HARDWIRED BILLING CATEGORY FOR A HARDWIRED IN- VOICE MAY RESULT IN DELAYED PAYMENT OF THE INVOICE.

Appendix 4: Roll-Up of Minor & Expense Material

The following procedures have been defined by the Ameritech DEGUB (DCPR/EDI BVAPP User Group) when rolling up Minor/Expense equipment prior to transmission:

1. Items that can be rolled up:

    A. If the equipment (basic unit) is 1) in the minor and expense "Noun Table" published by Telcordia (formerly Bellcore) (attachment 1), and 2) less than $200 (amount established by the Ameritech Operating Companies).

    B. If the equipment is not coded by Telcordia (formerly Bellcore) and costs less than $25.00.

2. Rolled up minor/expense items are to be entered in the PO1 segment (baseline item data). See attachment 2 for an example.

3. The Vendor will pass a J2X (item description) for each item combined in the PO1. The J2X segment, for this application, is for information only and will not load. The J2X

segments will be semi-structured in free form and will print on a report. See attachment 3 for an example.

SPECIAL BASIC UNIT NOUN TABLE

MINOR ITEMS

CPR = 099999   ECN = 999   PRC = -7C

ADAPTOR	INSULATOR
ATTENUATOR	JACK
BLOCK	METER
BLOCK CONNG	MOLDING
BOLT	NUT
BRACKET	PAD
CABINET	PANEL BLANK
CABLE	PANEL FILR
CABLE BULK	PLATE
CABLE COAX	PROTECTOR
CABLE CONN	RACK
CAPACITOR	REEL
CLIP	RELAY
CONDUIT	RING DISTG
COVER	SCREW
DIODE	SPRING
FRAMEWORK	WASHER
LUG TERM	WIRE

EXPENSE ITEMS

CPR = 099604   ECN = 000   PRC = -604

ARRESTER	GAUGE (See Note)
CART	KIT TOOL
CASE CARY	LABEL
CLEANER	LIGHT
DISK	TAPE
EXTENDER	

Note: "Gauge" is misspelled "Guage" in the noun table. Need to correct next time table is updated.

6.1.   Attachment 1: PO1 Segment

Exhibit I, an SD43-300 print, has items underlined and denoted with an asterisk. These items are the minor equipment represented in the following PO1 segment example.

Segments in the PO1 are:

```
PO101    =    Min                (Minor) Note 1
PO102    =    0                  (Zero Quantity)
PO103    =    EA
PO104    =    $78.15             (Rolled up dollar amount)
PO105    =    TE                 (Basis of unit price code)
PO106    =    VS                 (Supplemental item number)
PO107    =    0001               (product ID)
PO106    =    VX                 (vendor spec number)
PO107    =    B355942
PO1XX    =    MF
PO1YY    =    Weco
PO1XX    =    VN
PO1YY    =    Miscellaneous Minor
```

Note 1:   The first minor/expense roll-up passed on the mechanized order
               acknowledgment will be <u>MIN</u> for the purchase order line number PO01.
               All subsequent minor/expense roll-ups will be coded <u>MIN</u> for the
               purchase order line number, PO101, with a product ID qualifier, PO106,
               of VS, vendor's supplemental item number, and a product ID, PO107, of
               0001, for the first subsequent roll-up and 0002, etc., for all following.

Example:

PO1*Min*0*EA*78.15*TE*VS*0001*VX*B355942*MF*Weco*VN*Miscellaneous Minor*

6.2.   Attachment 2

J2X Segment

Item Description

The items in this example are the descriptions for the minor items that were rolled up and entered in the PO1 segments.

```
J2X01 =        TI
J2X02 =        F                    (Free form)
J2X03 =        1/80 positions A/N   item description (Note 1)

Note 1:        J2X03 = 80 Positions

J2X03    position    1-1       configuration code (Note 2)
                      2-11      quantity
                      12-13     unit of measure
                      14-29     unit price
                      30-31     basis of unit price
                      32-42     vendor unit
                      43-72     part number
                      73-76     manufacturer
                      77-80     ID number in sequential order; e.g.,
                                1st J2X, 0001, 2nd J2X, 0002, etc.


Note 2:

Configuration Code =      A       Added to configuration
                          D       Deleted from configuration
                          I       Included in configuration
```

6.3.   Attachment 3

J2x Example

J2X*TI*F*A	28FT	69.04TP	CABLE	811AWEC00001*
J2X*TI*F*A	14FT	41.08TB	CABLE	812AWEC00002*
J2X*TI*F*A	70FT	69.04TP	CABLE	811AWEC00003*
J2X*TI*F*A	55FT	69.04TP	CABLE	811AWEC00004*
J2X*TI*F*A	60FT	69.04TP	CABLE	811AWEC00005*
J2X*TI*F*A	60FT	69.04TP	CABLE	811AWEC00006*
J2X*TI*F*A	20FT	17.93TC	CABLE	12/2-NMWEC00007*
J2X*TI*F*A	40FT	2.45TC	WIRE	8437453WEC00008*
J2X*TI*F*A	65FT	162.37TP	CABLE	800AWEC00009*
J2X*TI*F*A	533FT	41.08TP	CABLE	812AWEC00010*
J2X*TI*F*A	83FT	55.72TP	CABLE	816AWEC00011*
J2X*TI*F*A	92FT	82.86TP	CABLE	820AWEC00012*
J2X*TI*F*A	26FT	69.04TP	CABLE	811WEC00013*
J2X*TI*F*A	13FT	41.08TP	CABLE	812AWEC00014*
J2X*TI*F*A	24FT	69.04TP	CABLE	811AWEC00015*
J2X*TI*F*A	12FT	41.08TP	CABLE	812AWEC00016*
J2X*TI*F*A	24FT	69.04TP	CABLE	811AWEC00017*
J2X*TI*F*A	12FT	41.08TP	CABLE	812AWEC00018*
J2X*TI*F*A	32FT	41.08TP	CABLE	812AWEC00019*
J2X*TI*F*A	32FT	41.08TP	CABLE	812AWEC00020*

APPENDIX A - APPENDIX A

CODE	DEFINITION	PICS/DCPR
23 Commodity Code Qualifier		
	Available from:	
	Superintendent of Documents	
	U.S. Government Printing Office	
	Washington, D.C. 20402	
B	Schedule B Number	NR
	Available from:	
	Superintendent of Documents	
	U.S. Government Printing Office	
	Washington, D.C. 20402	
C	Canadian Freight Classification	NR
	Available from:	
	Mr. J.P. Lavaliee	
	Agent	
	Canadian Freight Association	
	1162 St. Antoine Street	
	Montreal, P.Q. H3C 1B5, Canada	
E	Coordinated Motor Freight Classification	NR
	Available from:	
	New England Motor Freight Bureau, Inc.	
	14 New England Executive Park	
	Burlingont, MA 01803	
F	Federal Supply Classification and National Stock Number	NR
	Available from:	
	(A) General Services Administration (BBRD-9)	
	Bldg. 41	
	Denver Federal Center	
	Denver, CO 80225	
	(B) Defense Logistics Service Center	
	Attn: DLSC-APPP	
	Battle Creek, MI 49016	
H	Brussels Nomenclature	NR
	Available from:	
	Customs Co-operation Council	
	40 Rue Washington	
	B-1-50 Brussels, Belgium	
I	Milstamp AITC or Water Commodity Code	NR
L	Last Contained Contents STCC	NR
	Available from:	
	Tariff Publishing Officer	
	222 South Riverside Plaza	
	Chicago, IL 60606	

23 Continued

N	National Motor Freight Classification (NMFC)	NR	

Available from:
American Trucking Association, Inc.
1616 P Street, N.W.
Washington, D.C. 20036

S	Standard International Trade Classification (SITC)	NR

Available from:
United Nations Publishing Service
New York, NY 10017

T	Standard Transportation Commodity Code (STCC)	NR

Available from:
Tariff Publishing Officer
222 South Riverside Plaza
Chicago, IL 60606

U	Uniform Freight Classification (UFC)	NR

Available from:
Mr. J.D. Sherson
Tariff Publishing Officer
Room 202, Union Station
516 West Jackson Boulevard
Chicago, IL 60606

40 Equipment Desription Code

Code	Description	
2B	20 Ft. IL Container (Closed Top)	NR
2O	20 Ft. IL Container (Open Top)	NR
4B	40 Ft. IL Container (Closed Top)	NR
4O	40 Ft. IL Container (Open Top)	NR
AC	Closed Container	NR
AF	Air Freight (Break Bulk)	NR
AT	Closed Container (Controlled Temperature)	NR
BC	Covered Barge	NR
BG	Bogie	NR
BO	Barge Open	NR
BR	Barge	NR
BX	Boxcar	NR
CA	Container-Van	NR
CC	Container Resting on Chassis	NR
CH	Chassis	NR
CL	Container (Closed Top – Length Unspecified)	NR
CN	Container	NR
CO	Containerized (Closed Top Unspecified Length)	NR
CP	Coil Car Open	NR
CR	Coil Car Covered	NR
CS	Container – Low Side Open Top	NR
CT	Container – High Side Open Top	NR
CU	Container (Open Top – Length Unspecified)	NR
CV	Closed Van	NR
CX	Containerized (Open Top – Unspecified Length)	NR
DT	Drop Back Trailer	NR
DX	Boxcar (DF Equipped)	NR
FR	Flat Bed Trailer – Removable Sides	NR
FT	Flat Bed Trailer	NR
FX	Boxcar Cushion Under Frame of	NR
HC	Hooper Car (Covered)	NR
HO	Hopper Car (Open)	NR
HP	Hooper Car (Covered; Pneumatic Discharge)	NR
HV	High Cube Van	NR
ID	Idler Car	NR
IX	Boxcar (Insulated)	NR

40 Continued

LU	Load/Unload Device on Equipment	NR
NX	Boxcar (Interior Bulkheads)	NR
OB	Ocean Vessel (Break Bulk)	NR
OT	Open-Top/Flatbed Trailer	NR
OV	Open Top Van	NR
PT	Protected Trailer	NR
PU	Pick-up Truck	NR
RC	Refrigerated (Reefer) Car	NR
RE	Flat Car (End Bulkheads)	NR
RF	Flat Car	NR
RG	Gondola Covered	NR
RI	Gondola Car (Covered – Interior Bulkheads)	NR
RO	Gondola Car (Open)	NR
RR	Rail Car	NR
RT	Controlled Temperature Trailer (Reefer)	NR
SC	Service Car	NR
ST	Removable Side Trailer	NR
SV	Van-Special IL, IW, or IH Requirements	NR
TH	Truck, Open Top High Side	NR
TL	Trailer (Not Otherwise Specified)	NR
TO	Truck, Open Top	NR
TR	Removable Side Trailer	NR
TT	Telescoping Trailer	NR
TU	Truck, Open Top Low Side	NR
TV	Truck, Van	NR
UL	Unit Load Drive (ULD)	NR
UX	Boxcar Cushion Under Frame	NR
VC	Closed Van	NR
VE	Vessel, Ocean	NR
VL	Vessel, Lake	NR
VO	Open Top Van	NR
VR	Vessel, Ocean-Rollon-Rolloff	NR
VS	Vessel, Ocean-Lash	NR
VT	Vessel, Ocean-Containership	NR

66 Identification Code Qualifier

01	Dun and Bradstreet (Credit Reporting) (DUNS)	HW/PI
02	Standard Carrier Alpha Code (Motor) (SCAC)	NR
03	Federal Maritime Commission (Ocean) (FMC)	NR
04	International Air Transport Association (IATA)	NR
05	SIRET	NR
07	Dock	NR
08	Vendor UPC Code	NR
09	DUNS Number with 4 digit suffix	NR
10	Department of Defense Active Agency Code (DODAAC)	NR
11	Drug Enforcement Administration (DEA)	NR
12	Telephone Number (Phone)	NR
13	Federal Reserve Routing Code (FRRC)	NR
14	International European Article Number (EAN) (Vendor Portion)	NR
15	Standard Address Number (SAN)	NR
16	Zip Code	NR
21	Health Care Industry I.D. Number	NR
22	Branch	NR
91	Assigned by Seller or Seller's Agency	HW/PI
92	Assigned by Buyer	HW/PI

88 Marks and Number Qualifier

PB	Premarked by Buyer	NR
SM	Shipper Assigned	NR

91 Mode

A	Air	NR
AE	Air Express	NR
BU	Bus	NR
C	Consolidation	NR
CE	Customer Pickup / Customer's Expense	NR
D	Parcel Post	NR
E	Expedited Truck	NR
F	Hold for Pickup	NR
G	Piggyback (TOFC/COFC)	NR
H	Customer Pickup	NR
I	Common Irregular Carrier	NR
J	Other Motor	NR
K	Backhaul	NR
L	Contract Carrier	NR
LT	LTL Truckload	NR
M	Motor (Common Carrier)	NR
N	Private Vessel	NR
NN	Zoned Carrier (Not Loaded to Full Visible Capacity)	NR
NY	Zoned Carrier (Loaded to Full Visible Capacity)	NR
O	Containerized	NR
PC	Private Carrier	NR
PL	Pipeline Motor Carrier	NR
PT	Pool Truck	NR
Q	Conventional	NR
R	Rail	NR
S	Other Ocean	NR
SR	Supplier's Truck	NR
SS	Steamship	NR
T	Best Way (Shipper's Option)	NR
TN	Common Carrier (Not Loaded to Full Visible Capacity)	NR
TY	Common Carrier (Loaded to Full Visible Capacity)	NR
U	United Parcel Service (UPS)	NR
VE	Vessel	NR
W	Inland Waterway	NR
X	Intermodal	NR

92 Purchase Order Type

BE	Blanket Order/Estimated Quantities (Not firm commitment)	NR
BK	Blanket Order (Quantity Firm)	NR
CP	Change to Purchase Order	NR
CR	Change to Release	NR
KO	Close Out	NR
RL	Release Against Blanket Order	NR
RR	Repair and Return	NR
SA	Stand-alone Order	NR
SS	Supply or Service Order	NR

98 Organization Identifier

AK	Party to Whom Acknowledgement Should be Sent	NR
BT	Party To Be Billed	NR
BY	Buying Party (Purchaser)	NR
PE	Payee's Company Name/ID (Check, Draft, or Wire) Receiving Company Name/ID (ACH Transfers)	NR
SE	Selling Party	NR
SF	Ship From	NR
ST	Ship To	NR

102 Ownership Code

N	Not Customer Owned or Leased	NR
R	Seller Owned, Returnable	NR
S	Customer Owned or Leased	NR
T	Trip Leased	NR

103 Packaging Code – Two Part Code (Part 1 – Packaging Form, Part 2 – Material)

BAG	Bag	NR
BAL	Bale	NR
BBL	Barrel	NR
BDL	Bundle	NR
BEM	Beam	NR
BIC	Bing Chest	NR
BIN	Bin	NR
BLK	Bulk	NR
BOB	Bobbin	NR
BOX	Box	NR
BRG	Barge	NR
BSK	Basket or Hamper	NR
BXI	Box, with inner container	NR
BXT	Bucket	NR
CAB	Cabinet	NR
CAG	Cage	NR
CAN	Can	NR
CAR	Carrier	NR
CAS	Case	NR
CBC	Containers of Bulk Cargo	NR
CBY	Carboy	NR
CCS	Can Case	NR
CHE	Cheeses	NR
CHS	Chest	NR
CNT	Container	NR
COL	Coil	NR
CON	Cones	NR
COR	Core	NR
CRD	Cradle	NR
CRT	Crate	NR
CSK	Cask	NR
CTN	Carton	NR
CYL	Cylinder	NR
DBK	Dry Bulk	NR
DRK	Double-length Rack	NR
DRM	Drum	NR
DSK	Double-length Skid	NR
DTB	Double-length Tote Bin	NR
FIR	Firkin	NR
FLO	Flo-bin	NR
FRM	Frame	NR

103 Continued

FSK	Flask	NR
FWR	Forward Reel	NR
HED	Heads of Beef	NR
HGH	Hogshead	NR
HPC	Hopper Car	NR
HPT	Hopper Truck	NR
HRB	On Hanger or Rack on Boxes	NR
HRK	Half-Standard Rack	NR
HTB	Half-Standard Tote Bin	NR
JAR	Jar	NR
KEG	Keg	NR
KIT	Kit	NR
KRK	Knockdown Rack	NR
KTB	Knockdown Tote Bin	NR
LBK	Liquid Bulk	NR
LOG	Log	NR
LSE	Loose	NR
LUG	Lug	NR
LVN	LIFT Van	NR
MRP	Multi-Roll Pack	NR
NOL	Noil	NR
PAL	Pail	NR
PCK	Packed-Not Otherwise Specified	NR
PCS	Pieces	NR
PIR	Pirns	NR
PKG	Package	NR
PLF	Platform	NR
PLN	Pipeline	NR
PLT	Pallet	NR
POV	Private Vehicle	NR
PRK	Pipe Rack	NR
QTR	Quarter of Beef	NR
RAL	Rail (Semiconductor)	NR
RCK	Rack	NR
REL	Reel	NR
ROL	Roll	NR
RVR	Reverse Reel	NR
SAK	Sack	NR
SHK	Shook	NR
SID	Side of Beef	NR
SKD	Skid	NR
SKE	Skid, Elevating or Lift Truck	NR
SLV	Sleeve	NR
SPI	Spin Cylinders	NR
SPL	Spool	NR
TBE	Tube	NR
TBN	Tote Bin	NR
TKR	Tank Car, Rail	NR
TKT	Tank Truck	NR
TNK	Tank	NR
TRC	Tierce	NR
TRK	Trunk and Chest	NR
TRY	Tray	NR
TSS	Trunk, Salesmen Sample	NR
TUB	Tub	NR
UCR	Unit Car, Rail	NR
UNP	Unpacked	NR
UNT	Unit	NR
VPK	Van Pack	NR
WHE	On Own Wheel	NR
WLC	Wheeled Carrier	NR

Part 2 – Material

01	Aluminum	NR
04	As Specified by the DOT	NR
07	Burlap	NR
10	Chemically Hardened Fiber	NR

103 Continued

13	Cloth	NR
16	Cloth Top	NR
19	Cloth or Fabric	NR
22	Compressed	NR
25	Corrugated or Solid	NR
28	Double-wall Paper	NR
31	Fibre	NR
34	Fibre (Paperboard)	NR
37	Fibreboard	NR
40	Fibreboard Metal	NR
43	Glass	NR
46	In Inner Containers	NR
49	Insulated	NR
50	Wire Mesh	NR
51	Special Jumbo	NR
52	Iron or Steel	NR
53	Jumbo	NR
55	Lead	NR
58	Metal	NR
59	Metal Cans	NR
61	Moisture Resistant	NR
64	Molded Plastic	NR
67	Multiple Wall Paper (2 or More Walls)	NR
70	Multiple Wall Paper (3 or More Walls)	NR
71	Not Otherwise Specified	NR
73	Other Than Glass	NR
74	Other Than Metal or Plastic Tubes or Glass	NR
76	Paper	NR
79	Plastic	NR
80	Polyethylene Lines	NR
82	Pulpboard	NR
85	Rubber	NR
88	Rubber and Fabric	NR
89	Special	NR
90	Standard	NR
91	Stainless Steel	NR
92	Tubes, Metal or Plasitc	NR
94	Wood	NR

128 Reference Number Qualifier

AB	Acceptable Source Purchaser ID	NR
AC	Air Cargo Transfer Manifest	NR
AD	Acceptable Source DUNS Number	NR
AF	Airlines Flight Identification Number	NR
AG	Agent's Shipment Number	NR
AM	Adjustment Memo (Charge Back)	NR
AN	Sending Company Audit Number (ACH Transfers)	NR
AO	Appointment Number	NR
AP	Accounts Receivable	NR
AR	Arrival Code	NR
AS	Acceptable Source Supplier ID	NR
AU	Authorization to Meet competition No.	NR
AW	Air Waybill Number	NR
BA	Beginning Meter Reading (Actual)	NR
BC	Buyer's Contract Number	NR
BD	Bid Number	NR
BE	Beginning Meter Reading (Estimated)	NR
BK	Broker's Order Number	NR
BL	Government Bill of Lading	NR
BM	Bill of Lading Number	NR
BN	Booking Number	NR
BR	Broker or Sales Office Number	NR
BT	Batch Number	NR
CA	Cost Allocation Reference	NR
CB	Combined Shipment	NR
CC	Contract Co-op Number	NR
CD	Credit Note Number	NR

128 Continued

CE	Class of Contact Code	NR
CF	Fleet Reference Number	NR
CG	Consignee's Order Number	NR
CK	Check Number	NR
CL	Seller's Credit Memo	NR
CM	Credit Memo	NR
CN	Carrier's Reference Number (PRO/Invoice)	NR
CO	Customer Order Number	NR
CP	Condition of Purchase Document Number	NR
CR	Customer Reference Number	NR
CS	Condition of Sale Document Number	NR
CT	Contract Number	NR
DB	Buyer's Debit Memo	NR
DE	Depositor Number	NR
DI	Distributor Invoice Number	NR
DK	Dock Number	NR
DM	Debit Memo	NR
DN	Draft Number	NR
DO	Delivery Order Number	NR
DP	Department Number	NR
DR	Dock Receipt Number	NR
DS	Defense Priorities Allocation system (DPAS)	NR
EA	Ending Meter Reading (Actual)	NR
ED	Export Declaration	NR
EE	Ending Meter Reading (Estimated)	NR
EI	Employer's Identification Number	NR
EQ	Equipment Number	NR
ER	Container or Equipment Receipt Number	NR
ES	Employer's Social Security Number	NR
ET	Excess Transportation	NR
FI	File Identifier	NR
FN	Forwarder's/Agent's Reference Number	NR
FR	Freight Bill Number	NR
GB	Grain Block Number	NR
GC	Government Contract Number	NR
GP	Government Priority Number	NR
HB	Bill & Hold Invoice No.	NR
HC	Heat Code	NR
HP	Pack & Hold Invoice No.	NR
IC	Inbound-to Party	NR
IL	Internal Order Number	NR
IN	Consignee's Invoice Number	NR
IO	Inbound-to or Outbound-from Party	NR
IS	Invoice Number Suffix	NR
IT	Internal Customer Number	NR
IV	Seller's Invoice Number	NR
JA	Beginning Job Sequence Number	NR
JE	Ending Job Sequence Number	NR
JS	Job Sequence Number	NR
LA	Shipping Label Serial Number	NR
LB	Lockbox	NR
LF	Assembly Line Feed Allocaiton	NR
LI	Line Item Identifier (Seller's)	NR
LS	Bar coded Label Serial Number	NR
LT	Lot Number	NR
LW	Location Within Equipment	NR
MA	Ship Notice Manifest Number	NR
MB	Master Bill of Lading	NR
MF	Manufacturer's Part Number	NR
MH	Manufacturing Order Number	NR
MN	MICR Number	NR
MV	Motor Vehicle ID Number	NR
OB	Ocean Bill of Lading	NR
OC	Ocean Container Number	NR
OI	Original Invoice Number	NR
OM	Ocean Manifest	NR
OP	Original Purchase Order	NR
OS	Outbound-from Party	NR

128 Continued

PA	Price Area Number	NR
PB	Payer's financial Institution Account Number (Check, Draft, or Wire)	NR
PC	Production Code	NR
PD	Promotion/Deal Number	NR
PE	Plant Number	NR
PF	Prime Contractor Contract Number	NR
PG	Product Group	NR
PH	Priority Rating	NR
PI	Price List Change or Issure Number	NR
PK	Packing List Number	NR
PL	Price List Number	NR
PM	Part Number	NR
PN	Permit Number	NR
PO	Purchase Order Number	NR
PP	Purchase Order Revision Number	NR
PR	Price Quote Number	NR
PS	Purchase Order Number Suffix	NR
PT	Purchase Option Agreement	NR
PY	Payee's Financial Institution Account Number (Check, Draft, ow Wire)	NR
PZ	Product Change Notice Number	NR
RC	Rail Routing Code	NR
RE	Release Number	NR
RL	Reserve Assembly Line Feed Allocation	NR
RN	Run Number	NR
RP	Repetitive Pattern Code	NR
RQ	Purchase Requisiton Number	NR
RR	Payer's Financial Institution Transit Routing No. (ACH Transfers) ODFI (ACH Transfers)	NR
RS	Returnable Container Serial Number	NR
RT	Payee's Financial Institution Transit Routing Number (Check, Draft, or Wire) RDFI Transit Routing Number (ACH Transfers)	NR
RW	AAR RWC (Origin Carrier, SPLC, and RWC Number)	NR
SA	Salesperson	NR
SC	Shipper Car Order Number	NR
SE	Serial Number	NR
SF	Ship From	NR
SI	Shipper's Identifying Number for Shipment (SID)	NR
SL	Sales/Territory Code	NR
SN	Seal Number	NR
SO	Shipper's Order (Invoice Number)	NR
SQ	Container Sequence Number	NR
SR	Sales Responsibility	NR
ST	Store Number	NR
SU	Sub Code	NR
SV	Service Charge Number	NR
TB	Trucker's Bill of Lading	NR
TL	Tax License Exemption	NR
TM	Travel Manifest (ACI or OTR)	NR
TN	Transaction Reference Number	NR
TR	Government Transportation Request	NR
TX	Tax Exempt Number	NR
UB	Unacceptable Source Purchaser ID	NR
UD	Unacceptable Source DUNS Number	NR
US	Unacceptable Source Supplier ID	NR
UT	Unit Train	NR
VC	Vendor Contract Number	NR
VM	Vessel Name	NR
VN	Vendor Order Number	NR
VP	Vendor Product Number	NR
VS	Vendor Order Number Suffix	NR
VV	Voucher	NR
WM	Weight Agreement Number	NR
WR	Warehouse Receipt Number	NR
WY	Rail Waybill Number	NR

133 Routing Sequence Code

1	1st Carrier After Origin Carrier	NR
2	2nd Carrier After Origin Carrier	NR
3	3rd Carrier After Origin Carrier	NR
4	4th Carrier After Origin Carrier	NR
5	5th Carrier After Origin Carrier	NR
6	6th Carrier After Origin Carrier	NR
7	7th Carrier After Origin Carrier	NR
8	8th Carrier After Origin Carrier	NR
9	9th Carrier After Origin Carrier	NR
A	Origin Carrier, Agent's Routing (Rail)	NR
B	Origin/Delivery Carrier (any Mode)	NR
D	DELY (Delivery Switch Carrier)	NR
I	Origin Switch Carrier	NR
O	Origin Carrier (Air, Motor, or Ocean)	NR
PD	Port of Debarkation	NR
PI	Port of Entry	NR
PO	Port of Exit	NR
R	Origin Carrier, Rule 11 Shipment	NR
S	Origin Carrier, Shipper's Routing (Rail)	NR
V	Intermediate Switch Carrier at Origin	NR

143 Transaction Set Identifier

810	X12.2 Invoice	NR
820	X12.4 Remittance/Payment Advice	NR
821	X12.24 Financial Transaction Reporting	NR
822	X12.25 Customer Account Analysis	NR
830	X12.14 Planning Schedule	NR
832	X12.13 Price/Sales Catalog	NR
840	X12.7 Request for Quotaiton	NR
843	X12.8 Response to Requst for Quotation	NR
844	X12.26 Account of Adjustment	NR
845	X12.27 Price Authorization/Acknowledgment Status	NR
846	X12.28 Inventory Advice	NR
850	X12.1 Purchase Order	NR
851	X12.29 Purchase Order – Sales/Inventory Calculated	NR
855	X12.9 Purchase Order Acknowledgment	HW/PI
856	X12.10 Ship Notice/Manifest	NR
857	X12.17 Notification of Readiness to Ship	NR
858	X12.18 Shipping Documentation	NR
859	X12.19 Post Shipment Documentation	NR
860	X12.15 Purchase Order Change Request	NR
861	X12.12 Receiving Advice	NR
865	X12.16 Purchase Order Change Request Acknowledgment	NR
868	X12.30 Electronic Form Transfer Structure	NR
869	X12.11 Order Status Inquiry	NR
870	X12.23 Order Status Report	NR
997	X12.20 Function Acknowledgment	NR

146 Shipment Method of Payment

CA	Advance Collect	NR
CC	Collect	NR
CF	Collect, Freight Credited to Payment Customer	NR
DF	Defined by Buyer and Seller	NR
FO	FOB Port of Call	NR
IC	Information Copy, No Payment Due	NR
MX	Mixed	NR
NC	Service Freight, No Charge	NR
NS	Not Specified	NR
PA	Advance Prepaid	NR
PB	Customer Pickup/Backhaul	NR
PC	Prepaid but Charged to Customer	NR
PO	Prepaid Only	NR
PP	Prepaid (by Seller)	NR
PU	Pickup	NR
TP	Third Party Pay	NR
WC	Weight Condition	NR

152 Special Handling Code

AGG	Motor-Aggregate Tender Discount	NR
AK	Rail-Attachment-Auto Keys	NR
ASY	Motor Assembly Service Requested	NR
AT	Rail-Attachment to Move With Car	NR
AV	Rail-Annual Volume	NR
AW	Rail-Attachments-Advance Only Waybill	NR
BA	Rail-Clearinghouse Balance	NR
BL	Rail-Blowable Load	NR
BN	Rail-If Bad Ordered Notify shipper	NR
BW	Rail-Bill Shipper for Weight Charge	NR
CCH	Motor-Certification	NR
CD	Rail-Attachment-Customer's Document	NR
CI	Rail-Customs Inspection	NR
CM	Rail-Attachment-Cotton Manifest	NR
COU	Motor-Consignee Unload	NR
CR	Rail-Circus Ramp Only (TOFC Van)	NR
CW	Rail-Bill Consignee for Weight Charges	NR
CY	Rail-Endorsed for Recycling	NR
DA	Rail-Dangerous	NR
DIS	Motor-Distribution Service Requested	NR
DS	Rail-Delivery on Order of Shipper	NR
DT	Rail-Dead in Tow	NR
DU	Rail-Do Not Uncouple	NR
DW	Rail-Destination Weight Applies	NR
END	Motor-Endorsement	NR
ER	Rail-Return Empty Via Reverse Route	NR
EW	Rail-Excessive Weight	NR
EX	Rail-Explosive Flammable Gas	NR
EXU	Motor-Exclusive use of Vehicle Damaged	NR
FG	Rail-Flammable Gas	NR
FL	Rail-Flammable	NR
FR	Rail-Fragile-Handle with Care	NR
FS	Rail-Nontransit Flat Shipment	NR
FVC	Motor-Loaded to Full Visible Capacity	NR
GI	Rail-Grain Inspection	NR
HE	Rail-Head End Car	NR
HM	Rail-Endorsed as Hazardous Material	NR
HO	Rail-Hold for Orders	NR
HP	Rail-Heated Prior to Loading	NR
HR	Rail-Home for Repair	NR
HT	Rail-Heat	NR
HV	Rail-High Value Load	NR
HW	Rail-High Wide Load	NR
IB	Rail-In Bond	NR
IC	Rail-Ice	NR
IP	Rail-Import Shipment	NR
IR	Rail-Rail Incentive Rate	NR
IS	Rail-Surveillance Service	NR
JLX	Motor-Joint Line Exception	NR
JS	Rail-Junction Settlement Account	NR
LC	Rail-Car Trip Leased to Consignee	NR
LD	Rail-Loading Devices	NR
LF	Rail-Loaded to Full Visible Capacity	NR
LS	Rail-Local Service Only	NR
LT	Rail-Less Than Full Carload	NR
MC	Rail-Person in Charge of Car	NR
MES	Motor-Escort	NR
MEX	Motor-Exclusive Use	NR
MF	Rail-Cleared for Border Crossing	NR
MFR	Motor-Fragile, Handle With Care	NR
MHT	Motor-Heated	NR
MHV	Motor-High Value Load	NR
MIB	Motor-In-Bond	NR
MIN	Motor-Insulated	NR
MNC	Motor-Notify Consignee Before Delivery	NR
MOT	Motor-Other	NR
MP	WINS-Multiple Pickup	NR
MPS	Motor-Protective Service	NR

152 Continued

MR	Rail-Mechanical Refrigeration	NR
MRF	Motor-Refrigerated	NR
MSH	Motor-Shiftable Load	NR
MUP	Motor-Unprotected Perishables	NR
MVT	Motor-Ventilation Instructions	NR
NC	Rail-Notify Consignee Before Delivery	NR
ND	Rail-Do Not Divert	NR
NE	Rail-No Special Entrainment Required	NR
NH	Rail-Do Not Hump	NR
NP	Rail-Do Not Pool	NR
NS	Rail-Notify Shipper Before Reconsigment	NR
NT	Rail-Do Not Transfer Contents	NR
NW	Rail-In Case of Fire Do Not Use Water	NR
NX	Rail-Not For Export	NR
OBL	Ocean-Block Sowage	NR
OCA	Ocean-Cargo Aboard	NR
OCS	Ocean-Completing Shipment	NR
OCV	Ocean-Delivery Verification Not Required	NR
OEH	Ocean-Exempt Commodity	NR
OEX	Ocean-Export Shipment	NR
OFU	Ocean-Fumigation	NR
OHC	Ocean-Harmless	NR
ONC	Ocean-Use No Hooks	NR
ONS	Ocean-Not Restricted Cargo	NR
OOB	Ocean-Cargo On Board-Certification Required	NR
OOD	Ocean-On Deck Stowage	NR
OPR	Ocean-Perishable	NR
OPT	Ocean-Partial Shipment	NR
ORF	Ocean-Refrigerated	NR
OSB	Ocean-Stow Below Deck	NR
OST	Ocean-Stow Between Decks	NR
OTC	Ocean-Temperature Control	NR
OTD	Ocean-Time of Delivery and Signature Required	NR
OTS	Ocean-Total Shipment	NR
OXX	Ocean-Other	NR
PB	Rail-Perishable in Box Car	NR
PG	Rail-Poisonous Gas	NR
PI	Rail-Iced Prior To Loading	NR
PS	Rail-Protective Service	NR
PW	Rail-Attachment-Prepaid Waybill	NR
RB	Rail-Render Bill or Charges	NR
RM	Rail-Radioactive Material	NR
RO	WINS-Rush Order	NR
RR	Rail-Rear Rider	NR
RS	Rail-Inspect Hourly if Car Stopped	NR
RT	Rail-Record for Transit	NR
SC	Rail-Shove to Rest and Cover	NR
SCL	Motor-Shipper Load and Consignee Unload	NR
SD	Rail-Subject to Special Detention Rules/Charges	NR
SE	Rail-Attachment-Shipper's Export document	NR
SH	Rail-Shiftable Load	NR
SHL	Motor-Shipper Load	NR
SI	WINS-Ship to Cross Dock or Pool	NR
SK	Rail-Requires Shelf Couplers	NR
SLC	Motor-Shipper Load and Count	NR
SM	Rail-Attachment-Shipper's Manifest	NR
SP	Rail-Attachment-Shipper's Packing Instructions	NR
SR	Rail-Speed Restricted	NR
TA	Rail-Cars Temporarily Articulated	NR
TLS	Motor-Tendered as Truckload (Truckload Service Requested)	NR
TN	Rail-Turn Car	NR
TS	Rail-Transit Shipment	NR
TT	Rail-Team Track Delivery	NR
TV	Rail-Time Volume Rates Only	NR
UN	Rail-Unload as Placarded	NR
UP	Rail-Unprotected Persishable	NR
US	Rail-Shipper Certifies Cross Weight Under	NR

152 Continued

US	Rail-Shipper Certifies Cross Weight Under 240,000 pounds	NR
VT	Rail-Ventilation Instructions	NR
WD	Rail-Waived Inspection-Set Direct	NR
WE	Rail-Weight Empty	NR
WH	Rail-Attachments-High Wide Notice	NR
WI	Rail-Waive Inspection	NR
WM	Rail-Manifest Must Accompany Waybill	NR
WO	Rail-Weight to Check for Overload	NR
WW	Rail-Waste Water	NR
XP	Rail-Export	NR

187 Weight Qualifier

A	Consolidated Weight	NR
B	Billed Weight	NR
C	Actual Net Repeated for Combination	NR
D	Destination Weight Agreement	NR
E	Estimated Net Weight	NR
F	Deficit Weight	NR
G	Gross Weight	NR
H	Weight Per 100 Feet	NR
I	Weight Per 1000 Feet	NR
J	Light Weight	NR
K	Clean Out	NR
L	Legal Weight	NR
M	Minimum Weight (for rate)	NR
N	Actual Net Weight	NR
O	Excess Weight Over Maximum	NR
P	Weight Per 100 Units	NR
Q	Weight Per 1000 Units	NR
R	Per Unit Dunnage	NR
S	State Wight	NR
T	Tare Weight	NR
U	Weight Per Unit	NR
V	Theoretical Weight	NR
X	Maximum Weight (for rate)	NR

208 Hazardous Material Code Qualifier

4	46 Level DOT Code	NR
	Available from: Presently being developed by the Association of American Railroads	
6	Airline Tariff 6D	NR
	Available from: Airline Tariff Publishing Company Dulles Airport Washington, D.C.	
9	49 Level Code	NR
A	ICAO Code	NR
I	IMCO Code (Inter-Governmental Maritime Consultative Orgainzation)	NR
	Available from: Inter-Governmental Martime Consultative Organization (IMCO) 101-104 Picadilly London, W1 VOAE England	
R	BOE 6000-A (Rail)	NR

208 Continued

U	United Nations	NR

235 Product/Service I.D. Qualifier

CI	CLEI™ Code	HW/PI
CN	Commodity Name	NR
CR	Contract Number	NR
CT	Continuation (ID Number Spans Multiple Product ID Data Elements)	NR
IN	Buyer's Item Number	NR
MF	Manufacturer	HW/PI
PN	Company Part Number	HARDWIRED
RD	Reel Number	NR
SV	Services Rendered	NR
UP	Universal Product Code (UPC) (Full 11 Digit No.)	NR
VN	Vendor's (Seller's) Item Number	HARDWIRED
VO	Vendor's Order Number	HARDWIRED
VS	Vendor's Supplemental Item Number	NR
VU	Vendor's Basic Unit Number	HARDWIRED
VX	Vendor's Specification Number	HARDWIRED
ZZ	Change a/w SLN	HARDWIRED

236 Price Code Qualifier

CDV	Current Domestic Value	NR
CON	Contract Price	NR
DSC	Discount Amount Allowed	NR
FET	Federal Excise Tax	NR
ICL	Unit Price Through Quantity	NR
INV	Invoice Billing Price	NR
MSR	Manufacturer's Suggested Price	NR
PBQ	Unit Price Beginning Quantity	NR
PPD	Prepaid Freight Charges	NR
QTE	Quote Price	NR
RES	Resale	NR
SHD	Ship and Debit	NR
SUM	Sum of Line Items	NR
TOT	Total Invoice Amount Due	NR
TRF	Transfer	NR

248 Allowance or Charge Indicator

A	Allowance	NR
C	Charge	NR
N	No Allowance or Charge	NR

309 Location Qualifier

AC	City and State	NR
CC	Country	NR
CI	City	NR
CL	National Rate Basis	NR
CO	County/Parish and State	NR
CS	Canadian SPLC	NR
CY	County/Parish	NR
DE	Destination (Shipping)	NR
FA	Factory	NR
FE	Freight Equalization Point	NR
FI	FIPS 55	NR
IM	Milstamp	NR
IP	Postal (ZIP)	NR
MI	Mill	NR
NS	City/State From Point	NR
OP	Overseas Point Location Code	NR
OR	Origin (Shipping Point)	NR
PL	Plant	NR
PO	Postal	NR
PP	Pool Point	NR

309 Continued

RS	Standard Carrier Alpha Code	NR
SC	City/State and Points Within	NR
SL	U.S. SPLC	NR
SP	State/Province	NR
TC	Transcontinental Freight Bureau	NR
TN	Township	NR
TX	Taxing District	HARDWIRED
WH	Warehouse	NR

331 Allow or Charge Method of Handling

04	Credit Customer Account	NR
06	Charge to be Paid by Customer	NR

333 Terms Basis Date Code

1	Ship Date	NR
2	Delivery Date	NR
3	Invoice Date	NR
4	Specified Date (See Data Element 446 - Terms Net Due Date)	NR
5	Invoice Recipt Date	NR

335 Trade Terms Code

CAF	Cost and Freight	NR
CIF	Cost, Insurance, and Freight	NR
DAF	Delivered at Frontiere	NR
DDP	Delivered Duty Paid	NR
EXQ	Ex Quay	NR
EXS	Ex Ship	NR
EXW	Ex Works	NR
FCA	Free Carrier	NR
FCI	Freight Carriage and Insurance Paid to	NR
FCP	Freight Carriage Paid To	NR
FOB	Free on Board	NR
FOR	Free on Rail	NR
FOT	Free on Truck	NR

336 Terms Type code

01	Basic	NR
02	EOM	NR
03	Fixed Date	NR
04	Deferred	NR
05	Discount Not Applicable	NR
06	Mixed	NR
07	Extended	NR
08	Basic Discount Offered	NR
09	Prozimo	NR
10	Instant	NR

348 Item Description Qualifier

TI	Telecommunications Industry	HARDWIRED

349 Item Description Type

F	Free-form	NR
S	Structured	HARDWIRED

353 Transaction set Purpose

00	Original	HW/PI
01	Cancellation	NR
03	Delete	NR
04	Change	NR
05	Replace	NR

353 Continued

| 06 | Confirmation | HW/PI |
| 07 | Duplicate | NR |

355 Unit of Measure Code

01	Actual Pounds	NR
05	Lifts	NR
08	Heat Lots	NR
24	Theoretical Pounds	NR
26	Actual Tons	NR
27	Theoretical Tons	NR
31	Catchweight	NR
50	Actual Kilograms	NR
51	Actual Tonnes	NR
53	Theoretical Kilograms	NR
54	Theoretical Tonnes	NR
56	Sitas	NR
58	Net Kilograms	NR
AC	Acre	NR
AM	Ampoule	NR
AP	Aluminum Pounds Only	NR
AY	Assembly	NR
B2	Bunks	NR
B3	Batting Pound	NR
B4	Barrel, Imperial	NR
B7	Cycles	NR
BA	Bale	HARDWIRED
BB	Base Box	NR
BC	Bucket	HARDWIRED
BD	Bundle	HARDWIRED
BE	Beam	NR
BF	Board Feet	NR
BG	Bag	HARDWIRED
BH	Brush	NR
BI	Bar	NR
BJ	Band	NR
BK	Book	NR
BL	Block	NR
BN	Bulk	NR
BO	Bottle	NR
BR	Barrel	NR
BS	Basket	NR
BT	Belt	NR
BU	Bushel	HARDWIRED
BV	Bushel, Dry Imperial	NR
BW	Base Weight	NR
BX	Box	HARDWIRED
C2	Carset	NR
C3	Centiliter	NR
C4	Carload	NR
C5	Cost	NR
C6	Composit Product Pounds (Total Weight)	NR
C8	Cubic Decimeter	NR
CA	Case	HARDWIRED
CB	Carboy	NR
CC	Cubic Centimeter	NR
CD	Carat	NR
CE	Cell	NR
CF	Cubic Feet	NR
CG	Card	NR
CH	Container	HARDWIRED
CI	Cubic Inches	NR
CJ	Cone	NR
CK	Connector	NR
CL	Cylinder	NR
CM	Centimeter	NR
CN	Can	NR
CO	Count	HARDWIRED

355 Continued

CP	Crate	HARDWIRED
CQ	Cartridge	NR
CR	Cubic Meter	NR
CS	Coil Group	NR
CT	Carton	HARDWIRED
CU	Cup	NR
CV	Cover	NR
CW	Hundred Pounds (CWT)	HARDWIRED
CX	Coil	NR
CY	Cubic Yard	NR
CZ	Combo	NR
DA	Days	NR
DB	Dry Pound	NR
DC	Disk (Disc)	NR
DD	Degree	NR
DE	Deal	NR
DF	Dram	NR
DG	Decigram	NR
DI	Dispenser	NR
DK	Kilometers	NR
DL	Deciliter	NR
DM	Decimeter	NR
DP	Dozen Pair	NR
DR	Drum	HARDWIRED
DS	Display	NR
DT	Dry Ton	NR
DZ	Dozen	HARDWIRED
E3	Inches, Fraction-Average	NR
E4	Inches, Fraction-Minimum	NR
E5	Inches, Fraction-Actual	NR
E7	Inches, Decimal-Average	NR
E8	Inches, Decimal-Actual	NR
EA	Each	HW/PI
ED	Inches, Decimal-Nominal	NR
EF	Inches, Fraction-Nominal	NR
EM	Inches, Decimal-Minimum	NR
EV	Envelope	NR
EX	Feet, Inches and Fraction	NR
EY	Feet, Inches and Decimal	NR
EZ	Feet and Decimal	NR
FA	Fahrenheit	NR
FO	Fluid Ounce	NR
FP	Pounds Per Square Foot	NR
FT	Foot	HARDWIRED
GA	Gallon	HARDWIRED
GB	Gallons/Day	NR
GI	Imperial Gallons	NR
GM	Grams Per Square Meter	NR
GR	Gram	NR
GS	Gross	NR
GY	Gross yard	NR
GZ	Gauge Systems	NR
HA	Hank (100 Feet of Rope)	NR
HB	Hundred Boxes	NR
HD	Half Dozen	HARDWIRED
HF	Hundred Feet	HR
HG	Hectogram	NR
HH	Hundred Cubic Feet	NR
HK	Hundred Kilograms	NR
HP	Hundred Pounds	NR
HR	Hours	NR
HS	Hour	NR
HT	Half Hour	NR
HU	Hundred	NR
HV	Hundred Weight (Short)	NR
HW	Hundred Weight (Long)	NR
HY	Hundred Yards	NR
IN	Inch	HARDWIRED

355 Continued

JB	Jumbo	NR
JO	Joint	NR
JR	Jar	NR
JU	Jug	NR
KA	Cake	NR
KE	Keg	NR
KG	Kilogram	NR
KH	Kilowatt Hour	NR
KI	Kilograms/Millimeter Width	NR
KL	Kilograms/Meter	NR
KM	Kilograms/Square Meter, Kilograms, Decimal	NR
KN	Kilometer	NR
KT	Kit	NR
KV	Kelvin	NR
KW	Kilogram Per Millimeter	NR
LB	Pound	HARDWIRED
LC	Linear Centimeter	NR
LE	Lite	NR
LF	Linear Foot	HARDWIRED
LG	Long Ton	HARDWIRED
LH	Labor Hours	NR
LI	Linear Inch	NR
LK	Link	NR
LM	Linear Meter	NR
LN	Length	NR
LO	Lot	HARDWIRED
LP	Pounds Per Cubic Inch	NR
LR	Layer	NR
LS	Lump Sum	NR
LT	Liter	NR
LY	Linear Yard	NR
M2	Millimeter-Actual	NR
M3	Mat	NR
M6	Milligrams/Square Inch	NR
MA	Machine/Unit	NR
MB	Millimeter-Nominal	NR
MC	Micogram	NR
ME	Milligram	NR
MF	Thousand Feet	NR
MG	Metric Gross Ton	NR
MH	Microns	NR
MI	Metric	NR
MJ	Minutes	NR
ML	Millileter	NR
MM	Millimeter	NR
MN	Netric Net Ton	NR
MO	Months	NR
MP	Metric Ton	NR
MQ	1000 Meters	NR
MR	Meter	NR
MS	Square Millimeter	NR
MT	Metric Long Ton	NR
MU	Millicurie	NR
MV	Number of Mults	NR
MW	Metric Ton Kilograms	NR
MX	Mixed	NR
MY	Millimeter-Average	NR
MZ	Millimeter-Minimum	NR
NB	Barge	NR
NC	Car	NR
NL	Load	NR
NN	Train	NR
NR	Container	NR
NT	Trailer	NR
NV	Vehicle	NR
OL	Ounce-Liquid	NR
OT	Overtime Hours	NR
OZ	Ounce-Average	NR

355 Continued

P1	Percent	NR
P2	Pounds Per Foot	NR
P4	Four-Pack	NR
P5	Five-Pack	NR
P8	Eight-Pack	NR
PA	Pail	NR
PB	Pair Inches	NR
PC	Piece	HW/PI
PD	Pad	NR
PE	Pound Equivalent	NR
PF	Pallet (lift)	HARDWIRED
PG	Pounds Gross	NR
PH	Pack (PAK)	NR
PI	Pitch	NR
PJ	Pounds, Decimal – Pounds/Square Foot – Pound Gage	NR
PK	Package	HARDWIRED
PL	Pallet/Unit Load	NR
PM	Pounds-Percentage	NR
PN	Pounds Net	NR
PP	Plate	NR
PR	Pair	HARDWIRED
PS	Pounds Per Square Inch	NR
PT	Pint	HARDWIRED
PW	Pounds Per Inch of Width	NR
PX	Pint, Imperial	NR
PY	Peck, Dry U.S.	NR
PZ	Peck, Dry Imperial	NR
QD	Quarter Dozen	NR
QR	Quire	NR
QS	Quart, Dry U.S.	NR
QT	Quart	HARDWIRED
QU	Quart, Imperial	NR
RA	Rack	NR
RD	Rod	NR
RE	Reel	HARDWIRED
RG	Ring	NR
RK	Roll-Metric Measure	NR
RL	Roll	HARDWIRED
RM	Ream	HARDWIRED
RN	Ream-Metric Measure	NR
RO	Round	NR
SA	Sandwich	NR
SB	Square Mile	NR
SC	Square Centimeter	NR
SD	Solid Pounds	NR
SE	Section	NR
SF	Square Foot	NR
SG	Segment	NR
SH	Sheet	NR
SI	Square Inch	NR
SJ	Sack	NR
SL	Sleeve	NR
SM	Square Meter	NR
SN	Square Rod	NR
SO	Spool	HARDWIRED
SP	Shelf Package	NR
SQ	Square	NR
SR	Strip	NR
SS	Sheet-Metric Measure	NR
ST	Set	NR
SU	Short Ton	NR
SW	Skein	NR
SX	Shipment	NR
SY	Square Yard	NR
TA	Tenth Cubic Foot	NR
TB	Tube	NR
TC	Truckload	NR
TD	Therms	NR

355 Continued

TE	Tote	NR
TF	Ten Square Yards	NR
TG	Gross Ton	NR
TH	Thousand	NR
TI	Thousand Square Inches	NR
TJ	Thousand Square Centimeters	NR
TK	Tank	NR
TL	Thousand Feet (Linear)	NR
TM	Thousand Feet (Board)	NR
TN	Net Ton	NR
TO	Troy Ounch	NR
TP	Ten-Pack	NR
TR	Ten Square Feet	NR
TS	Thousand Square Feet	NR
TT	Thousand Linear Meters	NR
TU	Thousand Linear Yards	NR
TV	Thousand Kilograms	NR
TX	Troy Pound	NR
TY	Tray	NR
UN	Unit	HW/PI
VI	Vial	NR
VT	Voltage	NR
WB	Wet Pounds	NR
WE	Wet Ton	NR
WH	Wheel	NR
WI	Weight Per Square Inch	NR
WK	Week	NR
WP	Pennyweight	NR
WR	Wrap	NR
WT	Wattage	NR
YD	Yard	HARDWIRED
YR	Years	NR

363 Note Reference Code

ALL	All Documents	NR
CHG	Change	NR
DEL	Delivery	NR
GEN	Entire Transaction Set	NR
INS	Insurance	NR
INV	Invoice Instruction	NR
LIN	Line Item	NR
PAY	Payables	NR
PMT	Payment	NR
PRI	Priority	NR
PUR	Purchasing	NR
REV	Receivables	NR
SPH	Special Handling	NR
TRA	Transportation	NR
WHI	Warehouse Instruction	NR

365 Communication Number Qualifier

IT	International Telephone	NR
PS	Packet Switching	NR
TE	Telephone	NR
TL	Telex	NR
TM	Telemail	NR
TX	TWX	NR

366 Contact Function Code

AD	Accounting Department	NR
AP	Accounts Payable Department	NR
AR	Accounts Receivable Department	NR
BD	Buyer Name or Department	NR
CR	Customer Relatons	NR
CW	Confirmed With	NR

366 Continued

EX	Expeditor	NR
HM	Hazardous Material Contact	NR
IC	Information contact	NR
NT	Notification Contact	NR
OD	Order Department	NR
RD	Receiving Dock	NR
SA	Sales Administration	NR
SC	Schedule Contact	NR
SD	Shipping Department	NR
SR	Sales Representative or Department	NR
TA	Traffic Administrator	NR
WH	Warehouse	NR

371 Change Reason Code

AQ	Alternative Quantity and Unit of Measure	HARDWIRED
QO	Quantity Ordered	HARDWIRED
QP	Quantity Based on Price Qualifier	HARDWIRED
QT	Quantity Price Break	HARDWIRED
UM	Unit of Measure Difference	HARDWIRED
UP	Unit Price	HARDWIRED
ZZ	Change a/w SLN	HARDWIRED

374 Date/Time Qualifier

001	Cancel After This Date/Time	NR
002	Delivery Requested on this Date/Time	NR
004	Purchase Order Date/Time	NR
005	Sailing Date/Time	NR
006	Sold Date/Time	NR
007	Effective Date/Time	NR
009	Process Date/Time	NR
010	Requested Ship Date/Time	HW/PI
011	Shipped on this Date/Time	HW/PI
037	Ship Not Before Date/Time	NR
038	Ship Not Later Than Date/Time	NR
039	Ship Week of Date/Time	NR
055	Confirmed Date	NR
061	Cancel if Not Delivered by this Date	NR
063	Do Not Deliver After This Date	NR
064	Do Not Deliver Before This Date	NR
065	1st Schedule Delivery Date	NR
066	1st Schedule Ship Date	HW/PI
092	Contract Effective Date	NR
093	Contract Expiration Date	NR
096	Date/Time of Discharge	NR

378 Allowance or Charge Percent Qualifier

1	Item List Cost	NR
2	Item Net Cost	NR

455 Responsible Agency Code

X	Accredited Standards Committee X12	HW/PI

479 Functional Identifier

FA	Functional Acknowledgment Transactions	NR
IN	Invoice Related Transactions	NR
PO	Purchase Order Related Transactions	HW/PI
QG	Quotation Related Transactaions	NR
SH	Shipment Related Transactions	NR

480 Version

   Part 1 – Positions 1-6

      002000   Standards Approved by ANSI in February 1986   HW/PI

   Part 2 – Positions 1-6

      T10100   TCIF Guideline issue 1, release 0   HW/PI

560 Special Services Codes

Code	Description	
AC	Acid (Battery)	NR
AJ	Adjustments	NR
AM	Additional Material	NR
AP	Anodizing Charge	NR
AS	Assembly Charge	NR
AT	Handling Charge Tax	NR
BF	Both – Flat	NR
BP	Broken Package Charge	NR
C00100	Cancellation Charge	NR
C0012	Capping	NR
C0032	Coating (Dip, Rustproof)	NR
C0036	Certificate of Conformance	NR
C0038	Certificate of Origin	NR
C0072	Crating	NR
C0090	Cutting Charge	NR
CD	Car Loading	NR
CF	Container Deposits	NR
CH	Core Charge	NR
CK	COD Charge	NR
CP	Competitive Price	NR
CZ	Cable Pressurization	NR
DL	Delivery	NR
EC	Engineering charge	NR
EG	Engraving	NR
EI	One Time Engineering Charge	NR
EN	Enclosure	NR
EP	Expediting Premium	NR
F0011	F.E.T. (Precent)	NR
F0012	F.E.T. (Dollar Value)	NR
F0014	Fabrication Charge	NR
F0018	F.E.T. Tires	NR
FI	Finance Charge	NR
FR	Flat Rate	NR
G0052	Government Inspection	NR
GF	Gold Factor	NR
GP	Gas Pressure	NR
HS	Hauling & Hoisting	NR
I0012	Installation	NR
I0021	Inspection	NR
I0022	Identification	NR
IA	Invoice Adjustment	NR
ID	Inside Delivery Charge	NR
IN	Insurance	NR
IP	Item Percentage	NR
IR	Installation and Training	NR
IU	Item – Unit	NR
L0010	Labor Charges	NR
L0012	Labor (Repair & Return)	NR
L0020	License Fee	NR
L0022	Licensing Fee	NR
LA	Labeling	NR
LD	Lead Factor	NR
M0024	Mileage Fee (for Repair and Return)	NR
M0030	Minimum Order/Minimum Billing Charge	NR
M0040	Monthly Rental	NR
M0042	Mounting	NR
N0020	Non-Returnable Container	NR
OC	Option Charge (Color/Fabric – Office Furniture)	NR

560 Continued

OF	Order – Flat	NR
P0020	Premium Charge	NR
P0024	Premium Transportation	NR
PC	Packaging Service	NR
PE	Pulling Eyes	NR
PF	Proof and Composition	NR
PL	Palletizing	NR
PM	Precious Metal Content	NR
PN	Pallet Charge	NR
PO	Per Order Charge	NR
R0072	Repair	NR
R0076	Returnable Container	NR
R0090	Restocking Charge	NR
R0110	Rework	NR
RC	Reel Cable	NR
RD	Reel Deposit	NR
RF	Refurbishing Charge	NR
RP	Repair Charge	NR
S0010	Shipping & Handling	NR
S0012	Service Charge (With Cash Discount)	NR
S0054	Source Inspection	NR
S0056	Strapping	NR
SA	Salvage	NR
SE	Service Charge	NR
SF	Spool Charge	NR
SL	Select Charge	NR
SO	Pool Wood – Service Charge	NR
ST	Sales Tax (State & Local)	NR
SU	Set-Up	NR
T0012	Tank Rental	NR
T0022	Tax on Transportation	NR
T0062	Testing Service	NR
T0084	Transportation and Set-up	NR
T1	One Time Tooling	NR
TB	Transportation (Direct Billing)	NR
TD	Trade Discount	NR
TM	Tax on Miscellaneous Charge	NR
TT	Transportation (Third Party)	NR
TU	Transportation (Minimum Rate)	NR
TV	Transportation (Vendor Provided)	NR
VP	Vehicle Preparation Charge (Courtesy Delivery)	NR
WH	Warehousing	NR

562 Schedule Code

BK	Ship Partial-Balance Back Order	NR
CD	Cancel This Delivery By This Date	NR
CS	Cancel If Not Shipped by This Date	NR
DA	Do Not Deliver After	NR
DB	Do Not Deliver Before	NR
DD	Deliver On Date	NR
FT	Ship Full Truck Only	NR
IS	Substitute Item	NR
P1	No Schedule Established	NR
P2	ASAP-Ship As Soon As Possible	NR
P3	May Preship	NR
P4	Do Not Preship	NR
SA	Do Not Ship After	NR
SB	Do Not Ship Before	NR
SC	Ship Complete	HW/PI
SD	Ship Due	HW/PI
SF	Ship Partial, If No Freight Rate Increase	NR
SL	Ship Partial, Carload Lots Only	NR
SP	Ship Partial, Balance Cancel	NR
SQ	Ship Partial, Item Only, Proportional to Total Order	NR
ST	Ship Partial, Truckload Lots Only	NR
SU	Ship Partial, Balance Substitute	NR
N	No Back Order	NR

562 Continued

ST	Ship Partial, Truckload Lots Only	NR
SU	Ship Partial, Balance Substitute	NR

563 Back-Order Code

N	No Back Order	NR
Y	Back Order If Out Of Stock	NR

564 Do-Not-Exceed Action Code

0	Cancel Balance Of Order/Item That Exceeds Value Specified in Data Element 565	NR
1	Cancel Entire Order/Item	NR

566 Product/Service Subsitution Code

B0	No Substitution Allowed	NR
Y	Alternative Item Substitution Allowed	NR

587 Acknowledgment Purpose

AC	Acknowledge – With Detail and Change	HW/PI
AD	Acknowledge – With Detail and No Change	HW/PI
AE	Acknowledge – With Exception Detail Only	NR
AH	Acknowledge – Hold Status	NR
AK	Acknowledge – No Detail or Change	NR
RJ	Rejected P.O. – No Detail	NR

639 Basis of Unit Price Code

HP	Price Per Hundred	HARDWIRED
LC	Catalog Price Per Hundred	NR
LE	Catalog Price Per Each	NR
LM	Catalog Price Per Thousand	NR
PE	Price Per Each	HW/PI
QE	Quoted Price Per Each	NR
QH	Quoted Price Per Hundred	NR
QS	Quoted Price Per Thousand	NR
RC	Retail Price Per Hundred	NR
RE	Retail Price Per Each	NR
RM	Retail Price Per Thousand	NR
TC	Contract Price Per Hundred	HARDWIRED
TE	Contract Price Per Each	HW/PI
TM	Contract Price Per Thousand	HARDWIRED
TP	Price Per Thousand	HARDWIRED
WC	Wholesale Price Per Hundred	NR
WE	Wholesale Price Per Each	NR
WM	Wholesale Price Per Thousand	NR

640 Invoice Type

BB	Billback	NR
CA	Cash	NR
CI	Consolidated Invoice	NR
CO	Corrected	NR
CR	Credit Memo/Invoice	NR
DR	Debit Memo/Invoice	NR
DU	Duplicate	NR
EB	Engineering Final Bill	NR
EF	Engineering, Installation Right to Use, Final Bill	NR
EI	Engineering, Installation, Final Bill	NR
ER	Engineering, Right to Use, Final Bill	NR
IB	Installation Final Bill	NR
IF	Material, Engineering, Installation, Final Bill	NR
IR	Installation, Right to Use, Final Bill	NR
IU	Material, Installation, Right to Use, Final Bill	NR
MB	Material Final Bill	NR
ME	Memorandum	NR

640 Continued

MF	Material, Engineering, Final Bill	NR
MI	Material, Installation, Final Bill	NR
MR	Material, Right to Use, Final Bill	NR
PB	Partial Bill	NR
PR	Product (or Service)	NR
RB	Right to Use Final Bill	NR
RF	Material, Engineering, Right to Use, Final Bill	NR
UF	Material, Engineering, Installation, Right to Use Final Bill	HARDWIRED

661 Configuration Code

A	Added to the Configuration	HARDWIRED
D	Deleted from the Configuration	HARDWIRED
I	Included in the Configuration	HARDWIRED

662 Subline Price Change Code ID

A	Added to the Baseline Item Unit Price	HARDWIRED
I	Included in the Baseline Item Unit Price	HARDWIRED
S	Subtracted from the Baseline Item Unit Price	HARDWIRED

668 Line Item Status Code

AC	Item Accepted and Shipped	HARDWIRED
AR	Item Accepted and Released for Shipment	HARDWIRED
DR	Item Accepted – Date Rescheduled	HW/PI
IA	Item Accepted	HARDWIRED
IB	Item Backordered	NR
IC	Item Accepted – Changes Made	NR
ID	Item Deleted	HW/PI
IH	Item on Hold	NR
IP	Item Accepted – Price Changed	NR
IQ	Item Accepted – Quantity Changed	NR
IR	Item Rejected	HARDWIRED
IS	Item Accepted – Substitution Made	HW/PI

669 Currency Market/Exchange Code

IMF	International Monetary Fund	NR
LNF	London (England) Exchange – First Closing	NR
LNS	London (England) Exchange – Second Closing	NR
NYC	New York Foreign Exchange	NR
PHI	Philadelphia Foreign Exchange	NR
ZUR	Zurich (Switzerland) Exchange	NR

670 Line Item Change Type

AI	Add Item	NR
DI	Delete Item	NR
NC	No Change	NR
QD	Quantity Decrease	NR
QI	Quantity Increase	NR
RE	Replacement Item	NR
RS	Reschedule	NR

704 Interchange I.D. Qualifier

01	Dun and Bradstreet (Credit Reporting) (DUNS)	HW/PI
02	Standard Carrier Alpha Code (Motor) (SCAC)	NR
03	Federal Maritime Commission (Ocean) (FMC)	NR
04	International Air Transport Association (IATA)	NR
05	SIRET	NR
07	Dock	NR
08	Vendor UPC Code	NR
09	DUNS Number with 4 digit suffix	NR
10	Department of Defense Active Agency Code (DODAAC)	NR
11	Drug Enforcement Administration (DEA)	NR

704 Continued

12	Telephone Number (Phone)	NR
13	Federal Reserve Routing code (FRRC)	NR
14	International European Article Number (EAN) (Vendor Portion)	NR
15	Standard Address Number (SAN)	NR
16	Zip Code	NR
21	Health Care Industry I.D. Number	NR
22	Branch	NR
91	Assigned by Seller or Seller's Agency	HW/PI
92	Assigned by Buyer	HW/PI

715 Test Indicator

A	The transmitted functional group is accepted. An acceptance of a functional group is an acceptance of all transaction sets in that functional group.	NR
E	The transmitted functional group is accepted, but errors are noted. This means that the sender must not resend this data.	NR
P	Part of the transmitted functional group is accepted by transaction set.	NR
R	The transmitted functional group is a rejection of all transaction sets in that functional group. Depending on the error reason, the sender may resend this data.	NR

716 Functional Group Note Code

1	This functional group type is not supported.	NR
2	This version of the functional group is not supported.	NR
3	The functional group trailer is missing	NR
4	The data interchange control number in the header and trailer do not match. The value from the header is used in the acknowledgment.	NR
5	The number of included sets does not match the actual count.	NR

717 Set Acknowledge Code

A	The transmitted transaction set is accepted.	NR
E	The transmitted transaction set is accepted, but errors are noted. This means that the sender must not resend this data.	NR
R	The transmitted set is rejected. Depending on the error reason, the sender may resend this data.	NR

718 Transaction Set Note Code

1	This transaction set type is not supported.	NR
2	The transaction set trailer is missing.	NR
3	the transaction set control number in the header and trailer do not match. The value from the header is used in the acknowledgment.	NR
4	The number of included segments does not match the actual count.	NR
5	One or more segments are in error.	NR

720 Segment Note Code

1	Unrecognized segment ID.	NR
2	Unexpected segment.	NR
3	Mandatory segment missing.	NR

723 Data Element Note Code

1	Mandatory element missing.		NR
2	Conditional element missing but needed here		NR
3	Too many elements		NR
4	Element too short		NR
5	Element too long		NR
6	Bad Character in element		NR
7	Bad code in ID type		NR

748 Test Indicator

P	Production Data	HW/PI
T	Test Data	HW/PI

749 Acknowledge Requested

0	No acknowledge requested	HW/PI
1	Interchange acknowledge requested	HW/PI