EDIFICE The Global Network for B2B Integration in High Tech Industries

855
Purchase Order Acknowledgment

Functional Group ID = PR
X12 Version 004 Release 010

December 2002

Revision History

Date	Description
June 1999	Published
January 2001	Updated front matter – change of Secretariat
December 2002	Applied new publication template

Contents   **Page**

OVERVIEW

1. FUNCTIONAL DEFINITION

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Acknowledgment/Request – Transaction Set (855) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to convey acceptance or rejection of changes to a previously submitted purchase order by the seller or to notify the buyer of changes initiated by the seller to a previously submitted purchase order by the seller.

2. CONSIDERATIONS

3. TRADING PARTNERS

  1. Any seller to any buyer.

4. EDIFICE BUSINESS MODELS

This is a simple recast/version upgrade of an existing EDIFICE guideline.

5. FIELD OF APPLICATION

This transaction may be applied for both national and international trade. It is based on universal commercial practice and is not dependent on the type of business or industry.

6. FORMAT

The transmission in the ASC X12 format uses two required envelopes. One is the ISA Interchange Control Header Segment, which starts and identifies an interchange of zero or more functional groups and interchange-related control segments. The ISA includes the sender's mailbox address and a receiver's mailbox address, and specifies which delimiter (a/k/a control, service) characters (data element separator, component element separator and data segment terminator) are being used.

There are no default service characters reserved for use in ASC X12. Allowable service characters should be discussed between trading partners.

The second required envelope is GS Functional Group Header, which indicates the beginning of a functional group and provides group level control information. The GS segment includes functional group level sender and receiver addresses, typically used by the trading partner(s) for

internal routing. The GS also includes the GS08 ASC X12 Version/Release/Industry Identifier Code. EDIFICE does not recommend the use of an Industry Identifier code.

The functional groups are analogous to batches of like documents, i.e. purchase orders, invoices, etc. Each functional group contains one ore more transaction sets (electronic documents).

Each transaction set is an ordered collection of segments.

Each segment is an ordered collection of data elements. Each segment has been assigned a two or three character identifier. This identifier marks the beginning of each segment. Each element within the segment is separated by a data element delimiter. EDIFICE recommends the use of the asterisk (*) character as a data element delimiter. A segment terminator character is used to mark the end of a segment.

Any shaded areas indicate EDIFICE recommended usage and comment.

7. ATTRIBUTES

Each data element has three ANSI attributes: Element usage, element type and minimum/maximum length. EDIFICE has additional usage indicated for optional segments and elements which are noted in the following table.

MARGIN	ATTRIBUTE	DE NOTE	MEANING
Must Use	M (Mandatory)	N/A	If a segment, composite, or stand alone data element is mandatory according to the standard, EDIFICE cannot change the mandatory status on that component. *DATA ELEMENT within a COMPOSITE:* A data element within a composite is mandatory only if the composite is used.
X	C or X (Conditional) or O (Optional)	No note or NOT USED	EDIFICE has determined no value in supplying the composite or data element; hence, it need not be generated.
Blank	C or X (Conditional) or O (Optional)	REQUIRED	EDIFICE members agree that the data concerned must be sent.
Blank	C or X (Conditional) or O (Optional)	No note	Indicates that EDIFICE makes no recommendation regarding usage. The trading partners must agree on usage.
Blank	C or X (Conditional) or O (Optional)	ADVISED	EDIFICE has determined value in supplying the data element; hence, it should be generated.
Blank	C or X (Conditional) or O (Optional)	DEPENDING	Data must be sent if a particular defined condition or set of conditions exist. The associated conditions must be explained at the appropriate level of detail.

8. CHANGES FROM VERSION 3020

Only segments, elements or codes used by EDIFICE are listed.   Because this is a recast and EDIFICE is not adding codes to any code lists except codes identified in EDIFICE's guidelines for product and other identifiers. Type ID fields which have increased in maximum length are not listed.

- All date fields changed from 6/6 (YYMMDD) to 8/8 (CCYYMMDD)
- Changes made to harmonize related transactions 850, 855, 860 and 865; added SAC segment at detail level, with element and code usage based on harmonization with 855; miscellaneous changes to code lists and notes.
- Changes made to bring transaction into conformance with Product and Other ID supporting document; miscellaneous changes to code lists and notes.
- Order Acknowledgment support document added code 'AE' Acknowledge with Exception Detail, 'RD' Reject with Detail, 'RF' Reject with Exception Detail Only, and 'RJ' Reject with No Detail' to DE 587 (used in Bak02).
- Per Change Order support document added code 'CJ' Clause Number to DE 128 (used in REF01 at header and detail level).
- SSS Special Services segment and ITA Allowance, Charge or Service segment both replaced by SAC Service, Promotion, Allowance, or Charge Information Segment, equivalent codes and data elements available. DE 1300 replaces DE 560 (Special Services Code).
- Per Product and Other ID support document, added codes to DE 98 and DE 66 code lists (used in N1 segment).
- Per Product and Other ID support document, changed N2, N3 and N4 segments to 'Used'
- Per Product and Other ID support document added code code 'EM' Electronic Mail to DE 365 (used in PER03).
- Max length of DE 350 Assigned Identification (used in POI01) changed from 11 to 20; EDIFICE still recommends that trading partners use no more than 6 bytes.
- Per Blanket Order support document, usage of DE 350 Assigned Identification (used in POI01) is changed to required for acknowledgment for Stand Alone Purchase Orders and optional for acknowledgment for Blanket Purchase Orders.
- Requirement of DE 234 Product/Service ID Qualifier (used in POI segment) changed from 'O' Optional to 'X' Conditional
- Per Product and Other ID supporting document, added codes to DE 235 code list (used in POI segment).
- Per Product and Other ID support document, removed usage of DE 234 code 'PW' Part Drawing. See code list for POI08.
- Change Order Issue Log recommends Release Number be carried in a REF segment (at POI loop).
- Per Blanket Change Order support document added code 'RE' Release Number to REF01 (in POI loop).
- Per Change Order support document and Blanket Order support document, added code '011' Shipped, '036' Expiration, '067' Current Schedule Delivery, '068' Current Schedule Ship, '112' Buyers Dock to DE 374 (used in ACK04).
- Added codes to DE 374 (used in DTM01) to conform to code list for DE 374 (used on SCH segment) in the 860 transaction..
- Removed usage of DE 634 Century in DTM segment (DTM05).
- Requirement for CTT segment changed from 'M' Mandatory to 'O' Optional.

SEGMENT TABLES

855 Purchase Order Acknowledgment– List of Used and Not Used Segments

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1		
	040	CUR	Currency	O	1		
	050	REF	Reference Identification	O	>1		
Not Used	060	PER	Administrative Communications Contact	O	3		
	070	TAX	Tax Reference	O	>1		
	080	FOB	F.O.B. Related Instructions	O	>1		
Not Used	090	CTP	Pricing Information	O	>1		
Not Used	095	PAM	Period Amount	O	10		
Not Used	110	CSH	Sales Requirements	O	1		
			LOOP ID – SAC			25	
	120	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
Not Used	125	CUR	Currency	O	1		
	130	ITD	Terms of Sale/Deferred Terms of Sale	O	5		
Not Used	140	DIS	Discount Detail	O	20		
Not Used	145	INC	Installment Information	O	1		
Not Used	150	DTM	Date/Time Reference	O	10		
Not Used	160	LDT	Lead Time	O	12		
Not Used	180	LIN	Item Identification	O	5		n1
Not Used	185	SI	Service Characteristic Identification	O	>1		
Not Used	190	PID	Product/Item Description	O	200		
Not Used	200	MEA	Measurements	O	40		
	210	PWK	Paperwork	O	25		
Not Used	220	PKG	Marking, Packaging, Loading	O	25		
Not Used	230	TD1	Carrier Details (Quantity and Weight)	O	2		
	240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
Not Used	250	TD3	Carrier Details (Equipment)	O	12		
Not Used	260	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
Not Used	270	MAN	Marks and Numbers	O	10		
Not Used	275	TXI	Tax Information	O	>1		
Not Used	277	CTB	Restrictions/Conditions	O	>1		
			LOOP ID – N9			1000	
Not Used	280	N9	Reference Identification	O	1		
Not Used	285	DTM	Date/Time Reference	O	>1		
Not Used	290	MSG	Message Text	O	1000		
			LOOP ID – N1			200	
	300	N1	Name	O	1		
	310	N2	Additional Name Information	O	2		
	320	N3	Address Information	O	2		

				Req.		Loop	Notes and

	330	N4	Geographic Location	O	1		
Not Used	335	NX2	Location ID Component	O	>1		
Not Used	340	REF	Reference Identification	O	12		
	350	PER	Administrative Communications Contact	O	>1		
Not Used	355	SI	Service Characteristic Identification	O	>1		
Not Used	360	FOB	F.O.B. Related Instructions	O	1		
Not Used	370	TD1	Carrier Details (Quantity and Weight)	O	2		
Not Used	380	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
Not Used	390	TD3	Carrier Details (Equipment)	O	12		
Not Used	400	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
Not Used	410	PKG	Marking, Packaging, Loading	O	25		
Not Used	420	MSG	Message Text	O	>1		
			LOOP ID – ADV			>1	
Not Used	430	ADV	Advertising Demographic Information	O	1		
Not Used	440	DTM	Date/Time Reference	O	>1		
Not Used	450	MTX	Text	O	>1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID – PO1			100000	
	010	PO1	Baseline Item Data	O	1		n2
Not Used	015	LIN	Item Identification	O	>1		
Not Used	018	SI	Service Characteristic Identification	O	>1		
Not Used	020	CUR	Currency	O	1		
Not Used	030	PO3	Additional Item Detail	O	25		
Not Used	040	CTP	Pricing Information	O	>1		
Not Used	045	PAM	Period Amount	O	10		
Not Used	049	MEA	Measurements	O	40		
			LOOP ID – PID			1000	
Not Used	050	PID	Product/Item Description	O	1		
Not Used	060	MEA	Measurements	O	10		
	070	PWK	Paperwork	O	25		
	090	PO4	Item Physical Details	O	>1		
	100	REF	Reference Identification	O	>1		
Not Used	110	PER	Administrative Communications Contact	O	3		
			LOOP ID – SAC			25	
	130	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
Not Used	135	CUR	Currency	O	1		
Not Used	140	IT8	Conditions of Sale	O	1		
Not Used	142	CSH	Sales Requirements	O	>1		
Not Used	150	ITD	Terms of Sale/Deferred Terms of Sale	O	2		
Not Used	160	DIS	Discount Detail	O	20		
Not Used	165	INC	Installment Information	O	1		
Not Used	170	TAX	Tax Reference	O	>1		
Not Used	180	FOB	F.O.B. Related Instructions	O	>1		
Not Used	190	SDQ	Destination Quantity	O	500		
Not Used	200	DTM	Date/Time Reference	O	10		
Not Used	210	LDT	Lead Time	O	12		

Not Used	230	TD1	Carrier Details (Quantity and Weight)	O	1	
	240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	250	TD3	Carrier Details (Equipment)	O	12	
Not Used	260	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	

			LOOP ID – ACK		104	
	270	ACK	Line Item Acknowledgment	O	1	
	280	DTM	Date/Time Reference	O	1	

Not Used	290	MAN	Marks and Numbers	O	10	
Not Used	293	AMT	Monetary Amount	O	1	n3
Not Used	295	CTB	Restrictions/Conditions	O	>1	
Not Used	296	TXI	Tax Information	O	>1	

			LOOP ID – QTY		>1	
Not Used	300	QTY	Quantity	O	1	
Not Used	302	SI	Service Characteristic Identification	O	>1	

			LOOP ID – PKG		200	
Not Used	303	PKG	Marking, Packaging, Loading	O	1	
Not Used	305	MEA	Measurements	O	>1	

			LOOP ID – SCH		200	
Not Used	310	SCH	Line Item Schedule	O	1	n4
Not Used	315	TD1	Carrier Details (Quantity and Weight)	O	2	
Not Used	320	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	330	TD3	Carrier Details (Equipment)	O	12	
Not Used	340	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
Not Used	345	REF	Reference Identification	O	>1	

			LOOP ID – N9		1000	
Not Used	350	N9	Reference Identification	O	1	
Not Used	355	DTM	Date/Time Reference	O	>1	
Not Used	360	MSG	Message Text	O	1000	

			LOOP ID – N1		200	
Not Used	370	N1	Name	O	1	
Not Used	380	N2	Additional Name Information	O	2	
Not Used	390	N3	Address Information	O	2	
Not Used	400	N4	Geographic Location	O	1	
Not Used	405	NX2	Location ID Component	O	>1	
Not Used	410	REF	Reference Identification	O	12	
Not Used	420	PER	Administrative Communications Contact	O	3	
Not Used	425	SI	Service Characteristic Identification	O	>1	
Not Used	426	DTM	Date/Time Reference	O	1	
Not Used	430	FOB	F.O.B. Related Instructions	O	1	
Not Used	435	SCH	Line Item Schedule	O	200	
Not Used	440	TD1	Carrier Details (Quantity and Weight)	O	2	
Not Used	450	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	460	TD3	Carrier Details (Equipment)	O	12	
Not Used	470	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
Not Used	475	QTY	Quantity	O	>1	
Not Used	480	PKG	Marking, Packaging, Loading	O	25	

			LOOP ID – SLN		1000	

Not Used	490	SLN	Subline Item Detail	O	1		
Not Used	495	MSG	Message Text	O	>1		
Not Used	500	SI	Service Characteristic Identification	O	>1		
Not Used	510	PID	Product/Item Description	O	1000		
Not Used	520	PO3	Additional Item Detail	O	25		
Not Used	522	CTP	Pricing Information	O	25		
Not Used	523	PAM	Period Amount	O	10		
Not Used	530	ACK	Line Item Acknowledgment	O	104		
			LOOP ID – SAC			10	
Not Used	540	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
Not Used	545	CUR	Currency	O	1		
Not Used	550	DTM	Date/Time Reference	O	10		
Not Used	554	PO4	Item Physical Details	O	1		
Not Used	557	TAX	Tax Reference	O	3		
Not Used	558	ADV	Advertising Demographic Information	O	>1		
			LOOP ID – QTY			>1	
Not Used	559	QTY	Quantity	O	1		
Not Used	561	SI	Service Characteristic Identification	O	>1		
			LOOP ID – N9			>1	
Not Used	563	N9	Reference Identification	O	1		
Not Used	564	DTM	Date/Time Reference	O	>1		
Not Used	565	MSG	Message Text	O	>1		
			LOOP ID – N1			10	
Not Used	576	N1	Name	O	1		
Not Used	578	N2	Additional Name Information	O	2		
Not Used	580	N3	Address Information	O	2		
Not Used	590	N4	Geographic Location	O	1		
Not Used	600	NX2	Location ID Component	O	>1		
Not Used	610	REF	Reference Identification	O	12		
Not Used	620	PER	Administrative Communications Contact	O	3		
Not Used	625	SI	Service Characteristic Identification	O	>1		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID – CTT			1	
	010	CTT	Transaction Totals	O	1		n5
Not Used	020	AMT	Monetary Amount	O	1		n6
Must Use	030	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. If segment LIN is used, do not use LIN01.
2. PO102 is required.
3. If AMT is used in the detail area, then AMT01 will = 1 and AMT02 will indicate total line amount as calculated by the sender.
4. The SCH segment is used to specify various quantities of items ordered that are to be scheduled. When this segment is used the unit of measurement code (SCH02) should always be identical to the unit of measurement code in the associated PO1 segment

(PO103) and the sum of values of quantity (SCH01) should always equal the quantity ordered (PO102) in the PO1 segment.

5. The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

6. If AMT is used in the summary area, then AMT01 will = TT and AMT02 will indicate total transaction amount as calculated by the sender.

Segment: ST Transaction Set Header

Position:	010
Loop:	
Level:	Heading
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the start of a transaction set and to assign a control number
Syntax Notes:	
Semantic Notes:	1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	ST01	143	**Transaction Set Identifier Code**	M ID 3/3
			Code uniquely identifying a Transaction Set	
			855 Purchase Order Acknowledgment	
Must Use	ST02	329	**Transaction Set Control Number**	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
			The control number is assigned by the sender. It should be sequentially assigned within each functional group to aid in error recovery and research. The control number in the SE segment (SE02) must be identical to the control number in the ST segment for each transaction.	

Segment: **BAK** Beginning Segment for Purchase Order Acknowledgment

Position:	020
Loop:	
Level:	Heading
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the beginning of the Purchase Order Acknowledgment Transaction Set and transmit identifying numbers and dates
Syntax Notes:	
Semantic Notes:	1 BAK04 is the date assigned by the purchaser to purchase order.
	2 BAK08 is the seller's order number.
	3 BAK09 is the date assigned by the sender to the acknowledgment.
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	BAK01	353	**Transaction Set Purpose Code**	M ID 2/2

Code identifying purpose of transaction set
00 Original

	Ref. Des.	Data Element	Name	Attributes
Must Use	BAK02	587	**Acknowledgment Type**	M ID 2/2

Code specifying the type of acknowledgment
AC Acknowledge – With Detail and Change
AD Acknowledge – With Detail, No Change
AE Acknowledge – With Exception Detail Only
AK Acknowledge – No Detail or Change
RD Reject with Detail
RF Reject with Exception Detail Only
RJ Rejected – No Detail

	Ref. Des.	Data Element	Name	Attributes
Must Use	BAK03	324	**Purchase Order Number**	M AN 1/22

Identifying number for Purchase Order assigned by the orderer/purchaser

Buyer's original purchase order number used to identify an order. Received in Purchase Order Number on the BEG segment of the 850 transaction.

	Ref. Des.	Data Element	Name	Attributes
Must Use	BAK04	373	**Date**	M DT 8/8

Date expressed as CCYYMMDD

Buyer's purchase order date as received on the BEG segment in the 850 transaction.

	BAK05	328	Release Number	O	AN 1/30

Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction

EDIFICE Usage: DEPENDING.   While release number may be carried at the header level, it is recommended that release number be carried in an REF segment at the line item level. Release numbers should be returned to the buyer if they are received. Should equal the release number received from the buyer on the BEG segment in the 850 transaction.

	BAK06	326	Request Reference Number	O	AN 1/45

Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number)

EDIFICE Usage: OPTIONAL. If used this number should be the buyer's internal reference/RFQ number as received on the BEG segment in the 850 transaction.

	BAK07	367	Contract Number	O	AN 1/30

Contract number

EDIFICE Usage: OPTIONAL. The buyer's contract number as received on the BEG segment in the 850 transaction should be returned in this field. For contract business this field should be used rather than a header level REF segment.

	BAK08	127	Reference Identification	O	AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

EDIFICE Usage: OPTIONAL. The seller's internal order number should be returned to the buyer in this field.

	BAK09	373	Date	O	DT 8/8

Date expressed as CCYYMMDD

EDIFICE Usage: ADVISED. The date the purchase order acknowledgment was generated.

Not Used	BAK10	640	Transaction Type Code	O	ID 2/2

Code specifying the type of transaction
Refer to 004010 Data Element Dictionary for acceptable code values.

Segment: # CUR Currency

Position:	040
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To specify the currency (dollars, pounds, francs, etc.) used in a transaction
Syntax Notes:	1 If CUR08 is present, then CUR07 is required.
	2 If CUR09 is present, then CUR07 is required.
	3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
	4 If CUR11 is present, then CUR10 is required.
	5 If CUR12 is present, then CUR10 is required.
	6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
	7 If CUR14 is present, then CUR13 is required.
	8 If CUR15 is present, then CUR13 is required.
	9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
	10 If CUR17 is present, then CUR16 is required.
	11 If CUR18 is present, then CUR16 is required.
	12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
	13 If CUR20 is present, then CUR19 is required.
	14 If CUR21 is present, then CUR19 is required.
Semantic Notes:	
Comments:	1 See Figures Appendix for examples detailing the use of the CUR segment.
Notes:	EDIFICE Usage: OPTIONAL. This segment is used at the discretion of the sender.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	CUR01	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			BY Buying Party (Purchaser)	
			SE Selling Party	
Must Use	CUR02	100	Currency Code	M ID 3/3
			Code (Standard ISO) for country in whose currency the charges are specified	
Not Used	CUR03	280	Exchange Rate	O R 4/10
			Value to be used as a multiplier conversion factor to convert monetary value from one currency to another	
Not Used	CUR04	98	Entity Identifier Code	O ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			Refer to 004010 Data Element Dictionary for acceptable code	

values.

Not Used	CUR05	100	Currency Code	O	ID 3/3

Code (Standard ISO) for country in whose currency the charges are specified

Not Used	CUR06	669	Currency Market/Exchange Code	O	ID 3/3

Code identifying the market upon which the currency exchange rate is based
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	CUR07	374	Date/Time Qualifier	X	ID 3/3

Code specifying type of date or time, or both date and time
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	CUR08	373	Date	O	DT 8/8

Date expressed as CCYYMMDD

Not Used	CUR09	337	Time	O	TM 4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Not Used	CUR10	374	Date/Time Qualifier	X	ID 3/3

Code specifying type of date or time, or both date and time
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	CUR11	373	Date	X	DT 8/8

Date expressed as CCYYMMDD

Not Used	CUR12	337	Time	X	TM 4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Not Used	CUR13	374	Date/Time Qualifier	X	ID 3/3

Code specifying type of date or time, or both date and time
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	CUR14	373	Date	X	DT 8/8

Date expressed as CCYYMMDD

Not Used	CUR15	337	Time	X	TM 4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Not Used	CUR16	374	Date/Time Qualifier	X	ID 3/3

Code specifying type of date or time, or both date and time
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	CUR17	373	Date	X	DT 8/8

Date expressed as CCYYMMDD

Not Used	CUR18	337	Time	X	TM 4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Not Used	CUR19	374	Date/Time Qualifier	X	ID 3/3

Code specifying type of date or time, or both date and time
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	CUR20	373	Date	X	DT 8/8

Date expressed as CCYYMMDD

Not Used	CUR21	337	Time	X	TM 4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Segment: **REF** Reference Identification

Position:	050
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To specify identifying information
Syntax Notes:	1 At least one of REF02 or REF03 is required.
	2 If either C04003 or C04004 is present, then the other is required.
	3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	1 REF04 contains data relating to the value cited in REF02.
Comments:	
Notes:	EDIFICE Usage: OPTIONAL. This segment is used for reference numbers that are agreed upon by both trading partners. EDIFICE Usage: OPTIONAL. While release number may be carried at the header level, it is recommended that release number be carried in an REF segment at the line item level. If this is an acknowledgment to a previously release, must be the same number as original Release Number from the 860. There is one reference number per segment. See IMPLEMENTATION RECOMMENDATIONS FOR PRODUCT AND OTHER IDENTIFIERS (June 1997).

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	REF01	128	**Reference Identification Qualifier**	M ID 2/3

Code qualifying the Reference Identification

CJ	Clause Number
DQ	Delivery Quote Number
GC	Government Contract Number
GP	Government Priority Number
IT	Internal Customer Number
PH	Priority Rating
PR	Price Quote Number
VN	Vendor Order Number

	Ref. Des.	Data Element	Name	Attributes
	REF02	127	**Reference Identification**	X AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier
EDIFICE Usage: REQUIRED.

	Ref. Des.	Data Element	Name	Attributes
Not Used	REF03	352	**Description**	X AN 1/80

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

	Ref. Des.	Data Element	Name	Attributes
Not Used	REF04	C040	**Reference Identifier**	O

To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier

Not Used	C04001	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	C04002	127	**Reference Identification**	M	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	C04003	128	**Reference Identification Qualifier**	X	ID 2/3
			Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	C04004	127	**Reference Identification**	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	C04005	128	**Reference Identification Qualifier**	X	ID 2/3
			Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	C04006	127	**Reference Identification**	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

Segment: **TAX** Tax Reference

Position:	070
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To provide data required for proper notification/determination of applicable taxes applying to the transaction or business described in the transaction

Syntax Notes:
1. At least one of TAX01 or TAX03 is required.
2. If either TAX02 or TAX03 is present, then the other is required.
3. If either TAX04 or TAX05 is present, then the other is required.
4. If either TAX06 or TAX07 is present, then the other is required.
5. If either TAX08 or TAX09 is present, then the other is required.
6. If either TAX10 or TAX11 is present, then the other is required.

Semantic Notes:

Comments:
1. Tax ID number is, in many instances, referred to as a Tax Exemption Number. The paired (combined) use of data elements 309 and 310 provides for the designation of five taxing jurisdictions.
2. TAX01 is required if tax exemption is being claimed.

Notes: EDIFICE Usage: ADVISED. This segment while optional is required in some states such as California. It is strongly recommended that all sales for resale purposes include the TAX segment with the appropriate Tax Exempt Code along with Tax Identification Number.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
TAX01	325	**Tax Identification Number**	X AN 1/20
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number	
		EDIFICE Usage: REQUIRED.	
Not Used TAX02	309	**Location Qualifier**	X ID 1/2
		Code identifying type of location	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used TAX03	310	**Location Identifier**	X AN 1/30
		Code which identifies a specific location	
Not Used TAX04	309	**Location Qualifier**	X ID 1/2
		Code identifying type of location	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used TAX05	310	**Location Identifier**	X AN 1/30
		Code which identifies a specific location	

Not Used	TAX06	309	Location Qualifier	X	ID 1/2

Code identifying type of location
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	TAX07	310	Location Identifier	X	AN 1/30

Code which identifies a specific location

Not Used	TAX08	309	Location Qualifier	X	ID 1/2

Code identifying type of location
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	TAX09	310	Location Identifier	X	AN 1/30

Code which identifies a specific location

Not Used	TAX10	309	Location Qualifier	X	ID 1/2

Code identifying type of location
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	TAX11	310	Location Identifier	X	AN 1/30

Code which identifies a specific location

	TAX12	441	Tax Exempt Code	O	ID 1/1

Code identifying exemption status from sales and use tax
EDIFICE Usage: REQUIRED.

0	Exempt (For Export)
1	Yes (Tax Exempt)
2	No (Not Tax Exempt)
3	Exempt (For Resale)
8	Exempt (Sale to U.S. Government)
9	Exempt (Per State Law)

Not Used	TAX13	1179	Customs Entry Type Group Code	O	ID 1/1

Code identifying a group of entry types as filed with U.S. Customs when goods enter the country
Refer to 004010 Data Element Dictionary for acceptable code values.

Segment: FOB F.O.B. Related Instructions

Position:	080
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To specify transportation instructions relating to shipment
Syntax Notes:	1 If FOB03 is present, then FOB02 is required.
	2 If FOB04 is present, then FOB05 is required.
	3 If FOB07 is present, then FOB06 is required.
	4 If FOB08 is present, then FOB09 is required.
Semantic Notes:	1 FOB01 indicates which party will pay the carrier.
	2 FOB02 is the code specifying transportation responsibility location.
	3 FOB06 is the code specifying the title passage location.
	4 FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.
Comments:	
Notes:	EDIFICE Usage: OPTIONAL. The FOB usage for the electronics industry will be to define exceptions to the ship method. The use of the segment to define terms and conditions for ownership that override the contractual agreement is not recommended.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**FOB01**	146	**Shipment Method of Payment**	M ID 2/2

Code identifying payment terms for transportation charges

CC	Collect
DF	Defined by Buyer and Seller
PC	Prepaid but Charged to Customer
PP	Prepaid (by Seller)
WC	Weight Condition

FOB02   309   **Location Qualifier**   X ID 1/2

Code identifying type of location

EDIFICE Usage: DEPENDING. Use if FOB03 used. Code specifying transportation responsibility location.

DE	Destination (Shipping)
OR	Origin (Shipping Point)

FOB03   352   **Description**   O AN 1/80

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

EDIFICE Usage: OPTIONAL. Specify the location of responsibility.

FOB04   334   **Transportation Terms Qualifier Code**   O ID 2/2

Code identifying the source of the transportation terms

EDIFICE Usage: REQUIRED. Code structure used to describe transportation responsibility criteria; qualifies code in Transportation Terms Code.

02	Trade Terms Code

| FOB05 | 335 | Transportation Terms Code | X | ID 3/3 |

Code identifying the trade terms which apply to the shipment transportation responsibility

EDIFICE Usage: REQUIRED.

    FOB   Free on Board

| FOB06 | 309 | Location Qualifier | X | ID 1/2 |

Code identifying type of location

EDIFICE Usage: DEPENDING. Use if FOB07 used. Code specifying title passage location.

This code MUST match the terms and conditions between the trading partners.

    DE   Destination (Shipping)
    OR   Origin (Shipping Point)

| FOB07 | 352 | Description | O | AN 1/80 |

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

EDIFICE Usage: OPTIONAL. Description of location where title passes. The actual location should be spelled out.

| Not Used | FOB08 | 54 | Risk of Loss Code | O | ID 2/2 |

Code specifying where responsibility for risk of loss passes
Refer to 004010 Data Element Dictionary for acceptable code values.

| Not Used | FOB09 | 352 | Description | X | AN 1/80 |

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

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

Position:	120
Loop:	SAC Optional
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

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

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

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

Notes: EDIFICE Usage: OPTIONAL. Used to specify inspection requirements and other special services or allowances in the electronics industry. If multiple inspections, services or allowances are required, multiple records are sent.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	SAC01	248	Allowance or Charge Indicator	M ID 1/1

Code which indicates an allowance or charge for the service specified

A	Allowance
C	Charge
N	No Allowance or Charge

	Ref. Des.	Data Element	Name	Attributes
	SAC02	1300	Service, Promotion, Allowance, or Charge Code	X ID 4/4

Code identifying the service, promotion, allowance, or charge

EDIFICE Usage: REQUIRED. Other codes than those recommended by EDIFICE may be used by trading partner agreement.

B020	Certificate of Conformance
B030	Certificate of Origin
D370	Government Inspection
D870	Inspection
E840	Notarized Affidavit
G780	Ship to Stock Quality Audit
G990	Source Inspection
H000	Special Allowance

	Ref. Des.	Data Element	Name	Attributes
	SAC03	559	Agency Qualifier Code	X ID 2/2

Code identifying the agency assigning the code values

EDIFICE Usage: OPTIONAL.

AX	ANSI Accredited Standards Committee, X12

	Ref. Des.	Data Element	Name	Attributes
Not Used	SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code	X AN 1/10

Agency maintained code identifying the service, promotion, allowance, or charge

	Ref. Des.	Data Element	Name	Attributes
Not Used	SAC05	610	Amount	O N2 1/15

Monetary amount

	Ref. Des.	Data Element	Name	Attributes
Not Used	SAC06	378	Allowance/Charge Percent Qualifier	X ID 1/1

Code indicating on what basis allowance or charge percent is calculated
Refer to 004010 Data Element Dictionary for acceptable code values.

	Ref. Des.	Data Element	Name	Attributes
Not Used	SAC07	332	Percent	X R 1/6

Percent expressed as a percent

	Ref. Des.	Data Element	Name	Attributes
Not Used	SAC08	118	Rate	O R 1/9

Rate expressed in the standard monetary denomination for the currency specified

	Ref. Des.	Data Element	Name	Attributes
Not Used	SAC09	355	Unit or Basis for Measurement Code	X ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
Refer to 004010 Data Element Dictionary for acceptable code

values.

Not Used	SAC10	380	Quantity	X	R 1/15

Numeric value of quantity

Not Used	SAC11	380	Quantity	O	R 1/15

Numeric value of quantity

	SAC12	331	Allowance or Charge Method of Handling Code	O	ID 2/2

Code indicating method of handling for an allowance or charge

EDIFICE Usage: ADVISED.

    06   Charge to be Paid by Customer

Not Used	SAC13	127	Reference Identification	X	AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Not Used	SAC14	770	Option Number	O	AN 1/20

A unique number identifying available promotion or allowance options when more than one is offered

Not Used	SAC15	352	Description	X	AN 1/80

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

Not Used	SAC16	819	Language Code	O	ID 2/3

Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)

Segment: ITD Terms of Sale/Deferred Terms of Sale

Position:	130
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	5
Purpose:	To specify terms of sale
Syntax Notes:	1 If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.
	2 If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.
	3 If ITD09 is present, then at least one of ITD10 or ITD11 is required.
Semantic Notes:	1 ITD15 is the percentage applied to a base amount used to determine a late payment charge.
Comments:	1 If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.
Notes:	EDIFICE Usage: OPTIONAL. The contract terms and conditions should not be changed without a prior trading partner agreement that the other partner allows such overrides.
	The use of this segment to override standard terms and conditions is strongly discouraged.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
ITD01	336	**Terms Type Code**	O	ID 2/2
		Code identifying type of payment terms		
		EDIFICE Usage: ADVISED.		
		01 Basic		
ITD02	333	**Terms Basis Date Code**	O	ID 1/2
		Code identifying the beginning of the terms period		
		EDIFICE Usage: ADVISED.		
		1 Ship Date		
		2 Delivery Date		
		3 Invoice Date		
ITD03	338	**Terms Discount Percent**	O	R 1/6
		Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date		
		EDIFICE Usage: ADVISED.		
Not Used ITD04	370	**Terms Discount Due Date**	X	DT 8/8
		Date payment is due if discount is to be earned expressed in format CCYYMMDD		
ITD05	351	**Terms Discount Days Due**	X	N0 1/3
		Number of days in the terms discount period by which payment is due if terms discount is earned		
		EDIFICE Usage: DEPENDING. Required if ITD03 is used.		

Not Used	ITD06	446	Terms Net Due Date	O	DT 8/8

Date when total invoice amount becomes due expressed in format CCYYMMDD

	ITD07	386	Terms Net Days	O	N0 1/3

Number of days until total invoice amount is due (discount not applicable)

EDIFICE Usage: ADVISED.

Not Used	ITD08	362	Terms Discount Amount	O	N2 1/10

Total amount of terms discount

Not Used	ITD09	388	Terms Deferred Due Date	O	DT 8/8

Date deferred payment or percent of invoice payable is due expressed in format CCYYMMDD

Not Used	ITD10	389	Deferred Amount Due	X	N2 1/10

Deferred amount due for payment

Not Used	ITD11	342	Percent of Invoice Payable	X	R 1/5

Amount of invoice payable expressed in percent

Not Used	ITD12	352	Description	O	AN 1/80

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

Not Used	ITD13	765	Day of Month	X	N0 1/2

The numeric value of the day of the month between 1 and the maximum day of the month being referenced

Not Used	ITD14	107	Payment Method Code	O	ID 1/2

Code identifying type of payment procedures
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	ITD15	954	Percent	O	R 1/10

Percentage expressed as a decimal

Segment: **PWK** Paperwork

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

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	PWK01	755	**Report Type Code**	M ID 2/2
			Code indicating the title or contents of a document, report or supporting item	
			CP Certificate of Compliance (Material Certification)	
	PWK02	756	**Report Transmission Code**	O ID 1/2
			Code defining timing, transmission method or format by which reports are to be sent	
			EDIFICE Usage: ADVISED.	
			WS With Shipment (With Package)	
	PWK03	757	**Report Copies Needed**	O N0 1/2
			The number of copies of a report that should be sent to the addressee	
			EDIFICE Usage: ADVISED.	
Not Used	PWK04	98	**Entity Identifier Code**	O ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	PWK05	66	**Identification Code Qualifier**	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not	PWK06	67	**Identification Code**	X AN 2/80

Used

Code identifying a party or other code

Not Used	PWK07	352	Description	O	AN 1/80

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

Not Used	PWK08	C002	Actions Indicated	O	

Actions to be performed on the piece of paperwork identified

Not Used	C00201	704	Paperwork/Report Action Code	M	ID 1/2

Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	C00202	704	Paperwork/Report Action Code	O	ID 1/2

Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	C00203	704	Paperwork/Report Action Code	O	ID 1/2

Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	C00204	704	Paperwork/Report Action Code	O	ID 1/2

Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	C00205	704	Paperwork/Report Action Code	O	ID 1/2

Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	PWK09	1525	Request Category Code	O	ID 1/2

Code indicating a type of request
Refer to 004010 Data Element Dictionary for acceptable code values.

Segment: **TD5** Carrier Details (Routing Sequence/Transit Time)

Position:	240
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	12
Purpose:	To specify the carrier and sequence of routing and provide transit time information
Syntax Notes:	1 At least one of TD502 TD504 TD505 TD506 or TD512 is required.
	2 If TD502 is present, then TD503 is required.
	3 If TD507 is present, then TD508 is required.
	4 If TD510 is present, then TD511 is required.
	5 If TD513 is present, then TD512 is required.
	6 If TD514 is present, then TD513 is required.
	7 If TD515 is present, then TD512 is required.
Semantic Notes:	1 TD515 is the country where the service is to be performed.
Comments:	1 When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.
Notes:	EDIFICE Usage: OPTIONAL.
	It is RECOMMENDED that this data be communicated when the trading partners allow a change to the carrier via EDI.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
TD501	133	**Routing Sequence Code**	O ID 1/2
		Code describing the relationship of a carrier to a specific shipment movement	
		EDIFICE Usage: DEPENDING. Use Routing Sequence Code when explicitly specifying each carrier and sequence.	
		O Origin Carrier (Air, Motor, or Ocean)	
TD502	66	**Identification Code Qualifier**	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		EDIFICE Usage: REQUIRED.	
		2 Standard Carrier Alpha Code (SCAC)	
		91 Assigned by Seller or Seller's Agent	
		92 Assigned by Buyer or Buyer's Agent	
TD503	67	**Identification Code**	X AN 2/80
		Code identifying a party or other code	
		EDIFICE Usage: REQUIRED.	

| | TD504 | 91 | Transportation Method/Type Code | X | ID 1/2 |

Code specifying the method or type of transportation for the shipment

EDIFICE Usage: ADVISED.

A	Air
AE	Air Express
B	Barge
BP	Book Postal
D	Parcel Post
H	Customer Pickup
L	Contract Carrier
M	Motor (Common Carrier)
P	Private Carrier
U	Private Parcel Service

| | TD505 | 387 | Routing | X | AN 1/35 |

Free-form description of the routing or requested routing for shipment, or the originating carrier's identity

EDIFICE Usage: ADVISED.

Not Used | TD506 | 368 | Shipment/Order Status Code | X | ID 2/2 |

Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used | TD507 | 309 | Location Qualifier | O | ID 1/2 |

Code identifying type of location
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used | TD508 | 310 | Location Identifier | X | AN 1/30 |

Code which identifies a specific location

| | TD509 | 731 | Transit Direction Code | O | ID 2/2 |

The point of origin and point of direction

EDIFICE Usage: DEPENDING. Advised if TD510 and TD511 are used.

| SB | Seller to Buyer |

| | TD510 | 732 | Transit Time Direction Qualifier | O | ID 2/2 |

Code specifying the value of time used to measure the transit time

EDIFICE Usage: DEPENDING. Use if TD511 used. Working days are the seller's working days. The difference in companies' working calendars is a trading partner issue.

| CD | Calendar Days (Includes weekends and Holidays) |
| WD | Working Days (Excludes weekends and holidays) |

| | TD511 | 733 | Transit Time | X | R 1/4 |

The numeric amount of transit time

EDIFICE Usage: DEPENDING. Transit days for the carrier

specified.   The transit time must be provided if this segment is used to change the default carrier that has been agreed upon by the trading partners.

Not Used	TD512	284	Service Level Code	X	ID 2/2

Code indicating the level of transportation service or the billing service offered by the transportation carrier
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	TD513	284	Service Level Code	X	ID 2/2

Code indicating the level of transportation service or the billing service offered by the transportation carrier
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	TD514	284	Service Level Code	O	ID 2/2

Code indicating the level of transportation service or the billing service offered by the transportation carrier
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	TD515	26	Country Code	O	ID 2/3

Code identifying the country

Segment: **N1** Name

Position:	300
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	1 At least one of N102 or N103 is required.
	2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
	2 N105 and N106 further define the type of entity in N101.
Notes:	EDIFICE Usage: REQUIRED.
	This segment is used to identify the parties involved in the transaction. It is encouraged that the trading partners codify all addresses within their system. The use of only the N1 segment with Bill-to and Ship-to values is encouraged.
	See IMPLEMENTATION RECOMMENDATIONS FOR PRODUCT AND OTHER IDENTIFIERS (June 1997).

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N101	98	**Entity Identifier Code**	M ID 2/3

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

28	Subcontractor
AK	Party to Whom Acknowledgment Should Be Sent
BT	Bill-to-Party
BY	Buying Party (Purchaser)
CN	Consignee
DB	Distributor Branch
DS	Distributor
EN	End User
MA	Party for whom Item is Ultimately Intended
MF	Manufacturer of Goods
PG	Prime Contractor
RI	Remit To
SE	Selling Party
SF	Ship From
ST	Ship To
SU	Supplier/Manufacturer

	Ref. Des.	Data Element	Name	Attributes
	N102	93	**Name**	X AN 1/60

Free-form name

			EDIFICE Usage: ADVISED.			
	N103	66	**Identification Code Qualifier**	X	ID 1/2	

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

			EDIFICE Usage: DEPENDING. Required if N104 used.			

	1	D-U-N-S Number, Dun & Bradstreet
	9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix
	14	UCC/EAN Location Code Prefix

The first part of a 13 digit UCC/EAN Location Code within the Uniform Code Council (UCC) and International Article Number Association (EAN) numbering system. A globally unique 3 to 10 digit code for the identification of a company

	91	Assigned by Seller or Seller's Agent
	92	Assigned by Buyer or Buyer's Agent

	N104	67	**Identification Code**	X	AN 2/80	

Code identifying a party or other code

			EDIFICE Usage: ADVISED.			
Not Used	N105	706	**Entity Relationship Code**	O	ID 2/2	

Code describing entity relationship
Refer to 004010 Data Element Dictionary for acceptable code values.

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

Code identifying an organizational entity, a physical location, property or an individual
Refer to 004010 Data Element Dictionary for acceptable code values.

Segment: N2 Additional Name Information

Position:	310
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	2
Purpose:	To specify additional names or those longer than 35 characters in length
Syntax Notes:	
Semantic Notes:	
Comments:	
Notes:	EDIFICE Usage: OPTIONAL. Use only when address information cannot be conveyed via an Identification Code on the N1 segment. See IMPLEMENTATION RECOMMENDATIONS FOR PRODUCT AND OTHER IDENTIFIERS (June 1997).

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N201	93	Name	M AN 1/60
			Free-form name	
	N202	93	Name	O AN 1/60
			Free-form name	
			EDIFICE Usage: OPTIONAL.	

Segment: N3 Address Information

Position:	320
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	2
Purpose:	To specify the location of the named party
Syntax Notes:	
Semantic Notes:	
Comments:	
Notes:	EDIFICE Usage: OPTIONAL. Use only when address information cannot be conveyed via an Identification Code on the N1 segment. See IMPLEMENTATION RECOMMENDATIONS FOR PRODUCT AND OTHER IDENTIFIERS (June 1997).

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N301	166	**Address Information**	M AN 1/55
			Address information	
	N302	166	**Address Information**	O AN 1/55
			Address information	
			EDIFICE Usage: OPTIONAL.	

Segment: **N4** Geographic Location

Position:	330
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To specify the geographic place of the named party
Syntax Notes:	1 If N406 is present, then N405 is required.
Semantic Notes:	
Comments:	1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
	2 N402 is required only if city name (N401) is in the U.S. or Canada.
Notes:	EDIFICE Usage: OPTIONAL. Use only when address information cannot be conveyed via an Identification Code on the N1 segment. See IMPLEMENTATION RECOMMENDATIONS FOR PRODUCT AND OTHER IDENTIFIERS (June 1997).

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
N401	19	**City Name**	O	AN 2/30
		Free-form text for city name		
		EDIFICE Usage: ADVISED.		
N402	156	**State or Province Code**	O	ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency		
		EDIFICE Usage: OPTIONAL.		
N403	116	**Postal Code**	O	ID 3/15
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
		EDIFICE Usage: ADVISED.		
N404	26	**Country Code**	O	ID 2/3
		Code identifying the country		
		EDIFICE Usage: ADVISED.		
Not Used N405	309	**Location Qualifier**	X	ID 1/2
		Code identifying type of location Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used N406	310	**Location Identifier**	O	AN 1/30
		Code which identifies a specific location		

Segment: PER Administrative Communications Contact

Position:	350
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To identify a person or office to whom administrative communications should be directed
Syntax Notes:	1 If either PER03 or PER04 is present, then the other is required.
	2 If either PER05 or PER06 is present, then the other is required.
	3 If either PER07 or PER08 is present, then the other is required.
Semantic Notes:	
Comments:	
Notes:	EDIFICE Usage: ADVISED. Electronic Industry use should relate only to the parties responsible for originating the purchase order. See IMPLEMENTATION RECOMMENDATIONS FOR PRODUCT AND OTHER IDENTIFIERS (June 1997).

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	PER01	366	**Contact Function Code**	M	ID 2/2

Code identifying the major duty or responsibility of the person or group named

BD	Buyer Name or Department
CW	Confirmed With
EX	Expeditor
IC	Information Contact
RD	Receiving Dock

	Ref. Des.	Data Element	Name	Attributes	
	PER02	93	**Name**	O	AN 1/60

Free-form name

EDIFICE Usage: ADVISED.

	Ref. Des.	Data Element	Name	Attributes	
	PER03	365	**Communication Number Qualifier**	X	ID 2/2

Code identifying the type of communication number

EDIFICE Usage: DEPENDING. Use if PER04 used.

EM	Electronic Mail
TE	Telephone
TL	Telex

	Ref. Des.	Data Element	Name	Attributes	
	PER04	364	**Communication Number**	X	AN 1/80

Complete communications number including country or area code when applicable

EDIFICE Usage: ADVISED. If Communications Number Qualifier equals "TE" (Telephone), the proposed format is: 800-555-1212X1234.

	Ref. Des.	Data Element	Name	Attributes	
Not Used	PER05	365	**Communication Number Qualifier**	X	ID 2/2

Code identifying the type of communication number
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	PER06	364	Communication Number	X	AN 1/80

Complete communications number including country or area code when applicable

Not Used	PER07	365	Communication Number Qualifier	X	ID 2/2

Code identifying the type of communication number
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	PER08	364	Communication Number	X	AN 1/80

Complete communications number including country or area code when applicable

Not Used	PER09	443	Contact Inquiry Reference	O	AN 1/20

Additional reference number or description to clarify a contact number

Segment: PO1 Baseline Item Data

Position:	010
Loop:	PO1 Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify basic and most frequently used line item data
Syntax Notes:	1 If PO103 is present, then PO102 is required.
	2 If PO105 is present, then PO104 is required.
	3 If either PO106 or PO107 is present, then the other is required.
	4 If either PO108 or PO109 is present, then the other is required.
	5 If either PO110 or PO111 is present, then the other is required.
	6 If either PO112 or PO113 is present, then the other is required.
	7 If either PO114 or PO115 is present, then the other is required.
	8 If either PO116 or PO117 is present, then the other is required.
	9 If either PO118 or PO119 is present, then the other is required.
	10 If either PO120 or PO121 is present, then the other is required.
	11 If either PO122 or PO123 is present, then the other is required.
	12 If either PO124 or PO125 is present, then the other is required.
Semantic Notes:	
Comments:	1 See the Data Element Dictionary for a complete list of IDs.
	2 PO101 is the line item identification.
	3 PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes:	EDIFICE Usage: DEPENDING. Required if Acknowledgment Type in BAK segment indicates that detail is being sent.
	There is one PO1 segment for each different part number. The Product ID Qualifiers and Product Identifications should completely specify the parts being ordered. Product identification should be specified according to the Product Identification Guidelines published by EDIFICE.
	Code values identified in PO106 are to be used for all occurrences of data element 235. See IMPLEMENTATION RECOMMENDATIONS FOR PRODUCT AND OTHER IDENTIFIERS (June 1997).

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
PO101	350	Assigned Identification	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	
		EDIFICE Usage: DEPENDING. Line item number (Assigned Identity) is required for Stand-Alone Purchase Orders but optional for Blanket Purchase orders. Assigned Identity is a sequential number assigned to each line item by the buyer. The use of same PO line item in both the buyer's and the seller's system is encouraged.	

PO102	330	**Quantity Ordered**	X	R 1/15

Quantity ordered

EDIFICE Usage: REQUIRED. The total quantity ordered for all the requested ship dates that are provided in the SCH segments.

PO103	355	**Unit or Basis for Measurement Code**	O	ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

EDIFICE Usage: REQUIRED.

EA	Each

PO104	212	**Unit Price**	X	R 1/17

Price per unit of product, service, commodity, etc.

EDIFICE Usage: REQUIRED.

PO105	639	**Basis of Unit Price Code**	O	ID 2/2

Code identifying the type of unit price for an item

EDIFICE Usage: REQUIRED.

CA	Catalog
CT	Contract
DI	Distributor
HP	Price per Hundred
PE	Price per Each
QT	Quoted
TE	Contract Price per Each
TP	Price per Thousand

PO106	235	**Product/Service ID Qualifier**	X	ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

EDIFICE Usage: REQUIRED. At least one product identifier is required by EDIFICE.

AB	Assembly
BP	Buyer's Part Number
DR	Drawing Revision Number
EC	Engineering Change Level
EN	European Article Number (EAN) (2-5-5-1)
MG	Manufacturer's Part Number
PC	Prime Contractor Part Number
PN	Company Part Number
UP	U.P.C. Consumer Package Code (1-5-5-1)
VP	Vendor's (Seller's) Part Number

PO107	234	**Product/Service ID**	X	AN 1/48

Identifying number for a product or service

EDIFICE Usage: REQUIRED. Product defined in PO106.   At least one product identifier is required by EDIFICE.

PO108	235	**Product/Service ID Qualifier**	X	ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

See code list under PO106.

PO109	234	**Product/Service ID**	X	AN 1/48

Identifying number for a product or service

PO110	235	**Product/Service ID Qualifier**	X	ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

		See code list under PO106.		
PO111	234	**Product/Service ID**	X	AN 1/48
		Identifying number for a product or service		
PO112	235	**Product/Service ID Qualifier**	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		See code list under PO106.		
PO113	234	**Product/Service ID**	X	AN 1/48
		Identifying number for a product or service		
PO114	235	**Product/Service ID Qualifier**	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		See code list under PO106.		
PO115	234	**Product/Service ID**	X	AN 1/48
		Identifying number for a product or service		
PO116	235	**Product/Service ID Qualifier**	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		See code list under PO106.		
PO117	234	**Product/Service ID**	X	AN 1/48
		Identifying number for a product or service		
PO118	235	**Product/Service ID Qualifier**	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		See code list under PO106.		
PO119	234	**Product/Service ID**	X	AN 1/48
		Identifying number for a product or service		
PO120	235	**Product/Service ID Qualifier**	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		See code list under PO106.		
PO121	234	**Product/Service ID**	X	AN 1/48
		Identifying number for a product or service		
PO122	235	**Product/Service ID Qualifier**	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		See code list under PO106.		
PO123	234	**Product/Service ID**	X	AN 1/48
		Identifying number for a product or service		
PO124	235	**Product/Service ID Qualifier**	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		See code list under PO106.		
PO125	234	**Product/Service ID**	X	AN 1/48
		Identifying number for a product or service		

Segment: PWK Paperwork

Position:	070
Loop:	PO1 Optional
Level:	Detail
Usage:	Optional
Max Use:	25
Purpose:	To identify the type or transmission or both of paperwork or supporting information
Syntax Notes:	1 If either PWK05 or PWK06 is present, then the other is required.
Semantic Notes:	
Comments:	1 PWK05 and PWK06 may be used to identify the addressee by a code number.
	2 PWK07 may be used to indicate special information to be shown on the specified report.
	3 PWK08 may be used to indicate action pertaining to a report.
Notes:	EDIFICE Usage: OPTIONAL. This segment is used to specify the method of delivery of Certificates of Compliance and the number of copies required.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	PWK01	755	Report Type Code	M ID 2/2
			Code indicating the title or contents of a document, report or supporting item	
			CP Certificate of Compliance (Material Certification)	
	PWK02	756	Report Transmission Code	O ID 1/2
			Code defining timing, transmission method or format by which reports are to be sent	
			EDIFICE Usage: ADVISED.	
			WS With Shipment (With Package)	
	PWK03	757	Report Copies Needed	O N0 1/2
			The number of copies of a report that should be sent to the addressee	
			EDIFICE Usage: ADVISED.	
Not Used	PWK04	98	Entity Identifier Code	O ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	PWK05	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67) Refer to 004010 Data Element Dictionary for acceptable code values.	
Not	PWK06	67	Identification Code	X AN 2/80

Used

Code identifying a party or other code

Not Used	PWK07	352	Description		O	AN 1/80

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

Not Used	PWK08	C002	Actions Indicated		O	

Actions to be performed on the piece of paperwork identified

Not Used	C00201	704	Paperwork/Report Action Code		M	ID 1/2

Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	C00202	704	Paperwork/Report Action Code		O	ID 1/2

Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	C00203	704	Paperwork/Report Action Code		O	ID 1/2

Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	C00204	704	Paperwork/Report Action Code		O	ID 1/2

Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	C00205	704	Paperwork/Report Action Code		O	ID 1/2

Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	PWK09	1525	Request Category Code		O	ID 1/2

Code indicating a type of request
Refer to 004010 Data Element Dictionary for acceptable code values.

Segment: PO4 Item Physical Details

Position:	090
Loop:	PO1 Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify the physical qualities, packaging, weights, and dimensions relating to the item

Syntax Notes:
1. If either PO402 or PO403 is present, then the other is required.
2. If PO405 is present, then PO406 is required.
3. If either PO406 or PO407 is present, then the other is required.
4. If either PO408 or PO409 is present, then the other is required.
5. If PO410 is present, then PO413 is required.
6. If PO411 is present, then PO413 is required.
7. If PO412 is present, then PO413 is required.
8. If PO413 is present, then at least one of PO410 PO411 or PO412 is required.
9. If PO417 is present, then PO416 is required.
10. If PO418 is present, then PO404 is required.

Semantic Notes:
1. PO415 is used to indicate the relative layer of this package or range of packages within the layers of packaging. Relative Position 1 (value R1) is the innermost package.
2. PO416 is the package identifier or the beginning package identifier in a range of identifiers.
3. PO417 is the ending package identifier in a range of identifiers.
4. PO418 is the number of packages in this layer.

Comments:
1. PO403 – The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the pack (PO401) /size (PO402) measure which indicates the quantity in the inner pack unit. For example: If the carton contains 24 12-Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ".
2. PO413 defines the unit of measure for PO410, PO411, and PO412.

Notes: EDIFICE Usage: OPTIONAL. Packaging information is conveyed using DE103 Packaging Code in the PO4 segment. That is a 5 digit, concatenated field with the first 3 digits for "packaging form" and the final 2 for "packaging material".

See IMPLEMENTATION RECOMMENDATIONS FOR PRODUCT AND OTHER IDENTIFIERS (June 1997).

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Not Used	PO401	356	Pack	O N0 1/6
			The number of inner containers, or number of eaches if there are no inner containers, per outer container	
Not Used	PO402	357	Size	X R 1/8

Size of supplier units in pack

| Not Used | PO403 | 355 | **Unit or Basis for Measurement Code** | X | ID 2/2 |

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
Refer to 004010 Data Element Dictionary for acceptable code values.

| | PO404 | 103 | **Packaging Code** | X | AN 3/5 |

Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required

EDIFICE Usage: REQUIRED. These agreements apply to "secondary packaging", not items such as "surface mount", which are considered to be part specifications.

This does not apply to shipping packaging, which is used in segment TD1.

AMM	Ammo Pack
BLK	Bulk
RAL	Rail (Semiconductor)
REL	Reel
TRY	Tray
90	Standard

| Not Used | PO405 | 187 | **Weight Qualifier** | O | ID 1/2 |

Code defining the type of weight
Refer to 004010 Data Element Dictionary for acceptable code values.

| Not Used | PO406 | 384 | **Gross Weight per Pack** | X | R 1/9 |

Numeric value of gross weight per pack

| Not Used | PO407 | 355 | **Unit or Basis for Measurement Code** | X | ID 2/2 |

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
Refer to 004010 Data Element Dictionary for acceptable code values.

| Not Used | PO408 | 385 | **Gross Volume per Pack** | X | R 1/9 |

Numeric value of gross volume per pack

| Not Used | PO409 | 355 | **Unit or Basis for Measurement Code** | X | ID 2/2 |

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
Refer to 004010 Data Element Dictionary for acceptable code values.

| Not Used | PO410 | 82 | **Length** | X | R 1/8 |

Largest horizontal dimension of an object measured when the object is in the upright position

| Not Used | PO411 | 189 | **Width** | X | R 1/8 |

Shorter measurement of the two horizontal dimensions measured with the object in the upright position

Not Used	PO412	65	**Height**	X	R 1/8

Vertical dimension of an object measured when the object is in the upright position

Not Used	PO413	355	**Unit or Basis for Measurement Code**	X	ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	PO414	810	**Inner Pack**	O	N0 1/6

The number of eaches per inner container

Not Used	PO415	752	**Surface/Layer/Position Code**	O	ID 2/2

Code indicating the product surface, layer or position that is being described
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	PO416	350	**Assigned Identification**	X	AN 1/20

Alphanumeric characters assigned for differentiation within a transaction set

Not Used	PO417	350	**Assigned Identification**	O	AN 1/20

Alphanumeric characters assigned for differentiation within a transaction set

Not Used	PO418	1470	**Number**	O	N0 1/9

A generic number

Segment: **REF** Reference Identification

Position:	100
Loop:	PO1 Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify identifying information
Syntax Notes:	1 At least one of REF02 or REF03 is required.
	2 If either C04003 or C04004 is present, then the other is required.
	3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	1 REF04 contains data relating to the value cited in REF02.
Comments:	
Notes:	EDIFICE Usage: OPTIONAL. This segment is used for reference numbers that are agreed upon by both trading partners. There is one reference number per segment. See IMPLEMENTATION RECOMMENDATIONS FOR PRODUCT AND OTHER IDENTIFIERS (June 1997).

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3

Code qualifying the Reference Identification

CJ	Clause Number
DQ	Delivery Quote Number
GC	Government Contract Number
GP	Government Priority Number
PH	Priority Rating
PR	Price Quote Number
RE	Release Number
	While release number may be carried at the header level, it is recommended that release number be carried in an REF segment at the line item level. Release numbers should be returned to the buyer if they are received. Should equal the release number received from the buyer on the BEG segment in the 850 transaction.
VN	Vendor Order Number

	Ref. Des.	Data Element	Name	Attributes
	REF02	127	Reference Identification	X AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier
EDIFICE Usage: REQUIRED.

	Ref. Des.	Data Element	Name	Attributes
Not Used	REF03	352	Description	X AN 1/80

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

	Ref. Des.	Data Element	Name	Attributes
Not Used	REF04	C040	Reference Identifier	O

To identify one or more reference numbers or identification

numbers as specified by the Reference Qualifier

Not Used	C04001	128	**Reference Identification Qualifier**	M	ID 2/3

Code qualifying the Reference Identification
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	C04002	127	**Reference Identification**	M	AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Not Used	C04003	128	**Reference Identification Qualifier**	X	ID 2/3

Code qualifying the Reference Identification
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	C04004	127	**Reference Identification**	X	AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Not Used	C04005	128	**Reference Identification Qualifier**	X	ID 2/3

Code qualifying the Reference Identification
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	C04006	127	**Reference Identification**	X	AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

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

Position:	130
Loop:	SAC Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge
Syntax Notes:	1 At least one of SAC02 or SAC03 is required.
	2 If either SAC03 or SAC04 is present, then the other is required.
	3 If either SAC06 or SAC07 is present, then the other is required.
	4 If either SAC09 or SAC10 is present, then the other is required.
	5 If SAC11 is present, then SAC10 is required.
	6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
	7 If SAC14 is present, then SAC13 is required.
	8 If SAC16 is present, then SAC15 is required.
Semantic Notes:	1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
	2 SAC05 is the total amount for the service, promotion, allowance, or charge.
	If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
	3 SAC08 is the allowance or charge rate per unit.
	4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
	5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
	6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
	7 SAC16 is used to identify the language being used in SAC15.
Comments:	1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
	2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" – Dollars in SAC09.
Notes:	EDIFICE Usage: OPTIONAL. Used to specify inspection requirements and other special services or allowances in the electronics industry. If multiple inspections, services or allowances are required, multiple records are sent.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	SAC01	248	Allowance or Charge Indicator	M ID 1/1

Code which indicates an allowance or charge for the service specified

A	Allowance
C	Charge
N	No Allowance or Charge

	Ref. Des.	Data Element	Name	Attributes
	SAC02	1300	Service, Promotion, Allowance, or Charge Code	X ID 4/4

Code identifying the service, promotion, allowance, or charge

EDIFICE Usage: REQUIRED. Other codes than those recommended by EDIFICE may be used by trading partner agreement.

B020	Certificate of Conformance
B030	Certificate of Origin
D370	Government Inspection
D870	Inspection
E840	Notarized Affidavit
G780	Ship to Stock Quality Audit
G990	Source Inspection
H000	Special Allowance

	Ref. Des.	Data Element	Name	Attributes
	SAC03	559	Agency Qualifier Code	X ID 2/2

Code identifying the agency assigning the code values

EDIFICE Usage: OPTIONAL.

AX	ANSI Accredited Standards Committee, X12

	Ref. Des.	Data Element	Name	Attributes
Not Used	SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code	X AN 1/10

Agency maintained code identifying the service, promotion, allowance, or charge

	Ref. Des.	Data Element	Name	Attributes
	SAC05	610	Amount	O N2 1/15

Monetary amount

EDIFICE Usage: DEPENDING. Use if a monetary amount is associated with the charge or allowance.

	Ref. Des.	Data Element	Name	Attributes
Not Used	SAC06	378	Allowance/Charge Percent Qualifier	X ID 1/1

Code indicating on what basis allowance or charge percent is calculated
Refer to 004010 Data Element Dictionary for acceptable code values.

	Ref. Des.	Data Element	Name	Attributes
Not Used	SAC07	332	Percent	X R 1/6

Percent expressed as a percent

	Ref. Des.	Data Element	Name	Attributes
Not Used	SAC08	118	Rate	O R 1/9

Rate expressed in the standard monetary denomination for the currency specified

	Ref. Des.	Data Element	Name	Attributes
Not Used	SAC09	355	Unit or Basis for Measurement Code	X ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	SAC10	380	**Quantity**	X	R 1/15

Numeric value of quantity

Not Used	SAC11	380	**Quantity**	O	R 1/15

Numeric value of quantity

	SAC12	331	**Allowance or Charge Method of Handling Code**	O	ID 2/2

Code indicating method of handling for an allowance or charge
EDIFICE Usage: ADVISED.

	06		Charge to be Paid by Customer

Not Used	SAC13	127	**Reference Identification**	X	AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Not Used	SAC14	770	**Option Number**	O	AN 1/20

A unique number identifying available promotion or allowance options when more than one is offered

Not Used	SAC15	352	**Description**	X	AN 1/80

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

Not Used	SAC16	819	**Language Code**	O	ID 2/3

Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)

Segment: **TD5** Carrier Details (Routing Sequence/Transit Time)

Position:	240
Loop:	PO1 Optional
Level:	Detail
Usage:	Optional
Max Use:	12
Purpose:	To specify the carrier and sequence of routing and provide transit time information
Syntax Notes:	1 At least one of TD502 TD504 TD505 TD506 or TD512 is required.
	2 If TD502 is present, then TD503 is required.
	3 If TD507 is present, then TD508 is required.
	4 If TD510 is present, then TD511 is required.
	5 If TD513 is present, then TD512 is required.
	6 If TD514 is present, then TD513 is required.
	7 If TD515 is present, then TD512 is required.
Semantic Notes:	1 TD515 is the country where the service is to be performed.
Comments:	1 When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.
Notes:	EDIFICE Usage: OPTIONAL.
	It is RECOMMENDED that this data be communicated when the trading partners allow a change to the carrier via EDI.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
TD501	133	Routing Sequence Code	O ID 1/2
		Code describing the relationship of a carrier to a specific shipment movement	
		EDIFICE Usage: DEPENDING. Use Routing Sequence Code when explicitly specifying each carrier and sequence.	
		O Origin Carrier (Air, Motor, or Ocean)	
TD502	66	Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		EDIFICE Usage: REQUIRED.	
		1 D-U-N-S Number, Dun & Bradstreet	
		2 Standard Carrier Alpha Code (SCAC)	
		8 UCC/EAN Global Product Identification Prefix The first part of a UCC/EAN Product Identification Code within the Uniform Code Council (UCC) and International Article Number Association (EAN) numbering system; A globally unique 3 to 10 digit code for the identification of the company assigning the remainder of the ID code, such as U.P.C., EAN-13, SCC-14, EAN-14 or SSCC-18	

		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
		91	Assigned by Seller or Seller's Agent		
		92	Assigned by Buyer or Buyer's Agent		
	TD503	67	**Identification Code**	X	AN 2/80

Code identifying a party or other code
EDIFICE Usage: REQUIRED.

	TD504	91	**Transportation Method/Type Code**	X	ID 1/2

Code specifying the method or type of transportation for the shipment
EDIFICE Usage: ADVISED.

		A	Air
		AE	Air Express
		B	Barge
		BP	Book Postal
		D	Parcel Post
		H	Customer Pickup
		L	Contract Carrier
		M	Motor (Common Carrier)
		P	Private Carrier
		U	Private Parcel Service

	TD505	387	**Routing**	X	AN 1/35

Free-form description of the routing or requested routing for shipment, or the originating carrier's identity
EDIFICE Usage: ADVISED.

Not Used	TD506	368	**Shipment/Order Status Code**	X	ID 2/2

Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	TD507	309	**Location Qualifier**	O	ID 1/2

Code identifying type of location
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	TD508	310	**Location Identifier**	X	AN 1/30

Code which identifies a specific location

	TD509	731	**Transit Direction Code**	O	ID 2/2

The point of origin and point of direction
EDIFICE Usage: DEPENDING. Advised if TD510 and TD511 are used.

		SB	Seller to Buyer

| | TD510 | 732 | Transit Time Direction Qualifier | O | ID 2/2 |

Code specifying the value of time used to measure the transit time

EDIFICE Usage: DEPENDING. Use if TD511 used. Working days are the seller's working days. The difference in companies' working calendars is a trading partner issue.

CD   Calendar Days (Includes weekends and Holidays)

WD   Working Days (Excludes weekends and holidays)

| | TD511 | 733 | Transit Time | X | R 1/4 |

The numeric amount of transit time

EDIFICE Usage: DEPENDING. Transit days for the carrier specified.   The transit time must be provided if this segment is used to change the default carrier that has been agreed upon by the trading partners.

| Not Used | TD512 | 284 | Service Level Code | X | ID 2/2 |

Code indicating the level of transportation service or the billing service offered by the transportation carrier
Refer to 004010 Data Element Dictionary for acceptable code values.

| Not Used | TD513 | 284 | Service Level Code | X | ID 2/2 |

Code indicating the level of transportation service or the billing service offered by the transportation carrier
Refer to 004010 Data Element Dictionary for acceptable code values.

| Not Used | TD514 | 284 | Service Level Code | O | ID 2/2 |

Code indicating the level of transportation service or the billing service offered by the transportation carrier
Refer to 004010 Data Element Dictionary for acceptable code values.

| Not Used | TD515 | 26 | Country Code | O | ID 2/3 |

Code identifying the country

Segment: **ACK** Line Item Acknowledgment

Position:	270
Loop:	ACK Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To acknowledge the ordered quantities and specify the ready date for a specific line item

Syntax Notes:
1 If either ACK02 or ACK03 is present, then the other is required.
2 If ACK04 is present, then ACK05 is required.
3 If either ACK07 or ACK08 is present, then the other is required.
4 If either ACK09 or ACK10 is present, then the other is required.
5 If either ACK11 or ACK12 is present, then the other is required.
6 If either ACK13 or ACK14 is present, then the other is required.
7 If either ACK15 or ACK16 is present, then the other is required.
8 If either ACK17 or ACK18 is present, then the other is required.
9 If either ACK19 or ACK20 is present, then the other is required.
10 If either ACK21 or ACK22 is present, then the other is required.
11 If either ACK23 or ACK24 is present, then the other is required.
12 If either ACK25 or ACK26 is present, then the other is required.
13 If either ACK27 or ACK28 is present, then the other is required.
14 If ACK28 is present, then both ACK27 and ACK29 are required.

Semantic Notes:
1 ACK29 Industry Reason Code may be used to identify the item status. In addition, it may be used in conjunction with ACK01 to further clarify the status.

Comments:

Notes:
EDIFICE Usage: DEPENDING.   Advised if Acknowledgment Type in BAK segment indicates that detail is being sent.

There is one ACK segment for each seller's scheduled delivery date. The sum of the quantities returned in this segment should match Quantity Ordered in the PO1 segment to allow the buyer to correctly interpret the acknowledgment.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	ACK01	668	Line Item Status Code	M ID 2/2

Code specifying the action taken by the seller on a line item requested by the buyer

AC	Item Accepted and Shipped
AR	Item Accepted and Released for Shipment
DR	Item Accepted – Date Rescheduled
IA	Item Accepted
IC	Item Accepted – Changes Made
ID	Item Deleted
IH	Item on Hold
IP	Item Accepted – Price Changed
IQ	Item Accepted – Quantity Changed
IR	Item Rejected
IS	Item Accepted – Substitution Made
SP	Item Accepted – Schedule Date Pending

	Ref. Des.	Data Element	Name	Attributes
	ACK02	380	Quantity	X R 1/15

Numeric value of quantity

EDIFICE Usage: ADVISED.

	Ref. Des.	Data Element	Name	Attributes
	ACK03	355	Unit or Basis for Measurement Code	X ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

EDIFICE Usage: ADVISED.

EA	Each

	Ref. Des.	Data Element	Name	Attributes
	ACK04	374	Date/Time Qualifier	O ID 3/3

Code specifying type of date or time, or both date and time

EDIFICE Usage: DEPENDING. Use if ACK05 used.

011	Shipped
017	Estimated Delivery
036	Expiration
	Date coverage expires
067	Current Schedule Delivery
068	Current Schedule Ship
112	Buyers Dock

	Ref. Des.	Data Element	Name	Attributes
	ACK05	373	Date	X DT 8/8

Date expressed as CCYYMMDD

EDIFICE Usage: DEPENDING. Send a date only when appropriate. See "Implementation Recommendations for Change Orders and Acknowledgments" (4/95).

	Ref. Des.	Data Element	Name	Attributes
Not Used	ACK06	326	Request Reference Number	O AN 1/45

Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number)

	Ref. Des.	Data Element	Name	Attributes
Not Used	ACK07	235	Product/Service ID Qualifier	X ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)
Refer to 004010 Data Element Dictionary for acceptable code

values.

Not Used	ACK08	234	**Product/Service ID**	X	AN 1/48

Identifying number for a product or service

Not Used	ACK09	235	**Product/Service ID Qualifier**	X	ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	ACK10	234	**Product/Service ID**	X	AN 1/48

Identifying number for a product or service

Not Used	ACK11	235	**Product/Service ID Qualifier**	X	ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	ACK12	234	**Product/Service ID**	X	AN 1/48

Identifying number for a product or service

Not Used	ACK13	235	**Product/Service ID Qualifier**	X	ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	ACK14	234	**Product/Service ID**	X	AN 1/48

Identifying number for a product or service

Not Used	ACK15	235	**Product/Service ID Qualifier**	X	ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	ACK16	234	**Product/Service ID**	X	AN 1/48

Identifying number for a product or service

Not Used	ACK17	235	**Product/Service ID Qualifier**	X	ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	ACK18	234	**Product/Service ID**	X	AN 1/48

Identifying number for a product or service

Not Used	ACK19	235	**Product/Service ID Qualifier**	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	ACK20	234	**Product/Service ID**	X	AN 1/48
			Identifying number for a product or service		
Not Used	ACK21	235	**Product/Service ID Qualifier**	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	ACK22	234	**Product/Service ID**	X	AN 1/48
			Identifying number for a product or service		
Not Used	ACK23	235	**Product/Service ID Qualifier**	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	ACK24	234	**Product/Service ID**	X	AN 1/48
			Identifying number for a product or service		
Not Used	ACK25	235	**Product/Service ID Qualifier**	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	ACK26	234	**Product/Service ID**	X	AN 1/48
			Identifying number for a product or service		
Not Used	ACK27	559	**Agency Qualifier Code**	X	ID 2/2
			Code identifying the agency assigning the code values Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	ACK28	822	**Source Subqualifier**	X	AN 1/15
			A reference that indicates the table or text maintained by the Source Qualifier		
Not Used	ACK29	1271	**Industry Code**	X	AN 1/30
			Code indicating a code from a specific industry code list		

Segment: **DTM** Date/Time Reference

Position:	280
Loop:	ACK Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify pertinent dates and times
Syntax Notes:	1 At least one of DTM02 DTM03 or DTM05 is required.
	2 If DTM04 is present, then DTM03 is required.
	3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:	
Comments:	
Notes:	EDIFICE Usage: OPTIONAL. Use to convey buyer's original schedule as sent in SCH segments in the 850.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	DTM01	374	Date/Time Qualifier	M ID 3/3

Code specifying type of date or time, or both date and time

002	Delivery Requested
010	Requested Ship
036	Expiration
	Date coverage expires
037	Ship Not Before
038	Ship No Later
050	Received
063	Do Not Deliver After
064	Do Not Deliver Before
112	Buyers Dock

	Ref. Des.	Data Element	Name	Attributes
	DTM02	373	Date	X DT 8/8

Date expressed as CCYYMMDD

EDIFICE Usage: REQUIRED.

	Ref. Des.	Data Element	Name	Attributes
Not Used	DTM03	337	Time	X TM 4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

	Ref. Des.	Data Element	Name	Attributes
Not Used	DTM04	623	Time Code	O ID 2/2

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	DTM05	1250	**Date Time Period Format Qualifier**	X	ID 2/3
			Code indicating the date format, time format, or date and time format		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	DTM06	1251	**Date Time Period**	X	AN 1/35
			Expression of a date, a time, or range of dates, times or dates and times		

Segment: CTT Transaction Totals

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

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	CTT01	354	Number of Line Items	M N0 1/6
			Total number of line items in the transaction set	
	CTT02	347	Hash Total	O R 1/10
			Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: –.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ––––––––– 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.	
			EDIFICE Usage: OPTIONAL For example, if the has total number is 1234567.8901 (11 characters), the value sent in CTT02 would be: "234567.8901".	
Not Used	CTT03	81	Weight	X R 1/10
			Numeric value of weight	
Not Used	CTT04	355	Unit or Basis for Measurement Code	X ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	CTT05	183	Volume	X R 1/8
			Value of volumetric measure	

Not Used	CTT06	355	Unit or Basis for Measurement Code	X	ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	CTT07	352	Description	O	AN 1/80

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

Segment: **SE** **Transaction Set Trailer**

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

Data Element Summary

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

The control number is assigned by the sender. It should be sequentially assigned within each functional group to aid in error recovery and research. The control number in the SE segment (SE02) must be identical to the control number in the ST segment for each transaction.

855 PURCHASE ORDER ACKNOWLEDGMENT EXAMPLES

855 Example 1 – BASIC PURCHASE ORDER ACKNOWLEDGMENT

This is an example of an acknowledgment of a discrete, stand-alone purchase order for an established partnership. This example conforms to EDIFICE Order Model 1.

Example 1 Summary

HEADER SECTION	
ST*855*000000001'	This is a purchase order acknowledgment, and the transaction set control number is 000000001.
BAK*00*AD*CA223598*20000106***K93101'	This is an original acknowledgment with detail and no change. The PO number is CA223598, the order date is January 6, 2000 and the contract number is K93101.
N1*BT*ELECTRIC FACTORY*01*002344986'	The bill-to party is Electric Factory, and their DUNS number is 002344986.
N1*ST*ELECTRIC FACTORY*01*002344986'	The ship-to party is Electric Factory, and their DUNS number is 002344986.
PER*BD*GLORIA BAUER*TE*408-555-4442'	The buyer contact is Gloria Bauer and her telephone number is 408-555-4442.
DETAIL SECTION	
PO1*1*2500*EA*15.25*CT*BP*AG125542*EC*A'	The line item number is 1. The total order quantity is 2500 and the unit of measure is 'Each'. The unit price of 15.25 is based on a contract. The buyer's part number is AG125542, and the Engineering Change level is A.
ACK*IA*2500*EA*068*20000228'	The item is accepted as sent by the buyer and the current schedule ship date for 2500 units is February 28, 2000.
DTM*010*20000429'	The requested ship date was April 29, 2000.
SUMMARY SECTION	
CTT*1*2500'	There is one line item in the transaction set, and the sum of the PO102 order quantities is 2500.
SE*10*000000001'	There are 10 segments in transaction set 000000001, including the SE and ST.

855 Example 2 – ACKNOWLEDGMENT OF A BLANKET PURCHASE ORDER WITH AN ESTIMATED QUANTITY, NO SCHEDULES

In this example, the acknowledgment is for a blanket purchase order with an estimated quantity and no schedules; schedules will be sent via releases or forecasts. The acknowledgment is, however, confirming the estimated quantity of 33,000 as well as a price change and an estimated delivery date. This example conforms to EDIFICE Order Model 2.

Example 2 Summary

HEADER SECTION	
ST*855*000000001'	This is a purchase order acknowledgment, and the transaction set control number is 000000001.
BAK*00*AC*CA2302026*19990629***99–001'	This is an original acknowledgment with detail and change. The PO number is CA2302026, the order date is June 29, 1999 and the contract number is 99–0001.
CUR*BY*USD'	The order (buyer's) currency is U.S. Dollars
TAX*9933325567**********3'	The buyer's tax ID number is 9933325567; the goods are tax exempt for resale.
DTM*036*19991231'	The expiration date of the blanket PO is December 31, 1999.
N1*BT*ELECTRIC FACTORY*1*002344986'	The bill–to party is Electric Factory, and their DUNS number is 002344986.
N1*ST*ELECTRIC FACTORY*1*002344986'	The ship–to party is Electric Factory, and their DUNS number is 002344986.
PER*BD*GLORIA DEI*TE*415–555–4442'	The buyer contact is Gloria Dei and her telephone number is 415–555–4442.
DETAIL SECTION	
PO1*1*33000*EA*.130*CT*BP*AG125542*EC*C'	The line item number is 1, the estimated order quantity is 33,000 and the unit of measure is 'Each'. The unit price of .130 is based on a contract. The Buyer's part number is AG125542 and the Engineering Change level is C.
ACK*IP*33000*EA*017*19991101'	The item is accepted, but the price has been changed from that sent on the buyer's PO. The estimated delivery date is November 1, 1999.
PO4*****REL90'	The secondary packaging is tape–and–reel, standard.
SUMMARY SECTION	
CTT*1'	There is one line item in the transaction set.
SE*13*000000001'	There are 13 segments in transaction set 000000001 including the ST and SE segments.

855 Example 3 – ACKNOWLEDGMENT OF A BLANKET PURCHASE ORDER WITH AN ESTIMATED QUANTITY AND A DUMMY SCH

In this example, the acknowledgment is for a blanket purchase order with an estimated quantity and no schedules; schedules will be sent via releases or forecasts. The acknowledgment is, however, confirming that the estimated quantity of 33,000 has been accepted and shipped as well as the actual date of shipment. This example conforms to EDIFICE Order Model 2.

Example 3 Summary

HEADER SECTION	
ST*855*000000001'	This is a purchase order acknowledgment, and the transaction set control number is 000000001.
BAK*00*AC*CA2302026**19990629*99-001'	This is an original acknowledgment with detail and change. The PO number is CA2302026, the order date is June 29, 1999 and the contract number is 99-0001.
CUR*BY*USD'	The order (buyer's) currency is U.S. Dollars.
TAX*9933325567**********3'	The buyer's tax ID number is 9933325567; the goods are tax exempt, for resale.
DTM*036*19991231'	The expiration date of the blanket PO is December 31, 1999.
N1*BT*ELECTRIC FACTORY*1*002344986'	The bill-to party is the Electric Factory, and their DUNS number is 002344986.
N1*ST*ELECTRIC FACTORY*1*002344986'	The ship-to party is the Electric Factory, and their DUNS number is 002344986.
PER*BD*GLORIA DEI*TE*415-555-4442'	The buyer contact is Gloria Dei and her telephone number is 415-555-4442.
DETAIL SECTION	
PO1*1*33000*EA*400*CT*BP*AG125542*EC*C'	The line item number is 1, the estimated order quantity is 33,000 and the unit of measure is 'Each'. The unit price of 4.00 is based on a contract. The Buyer's part number is AG125542 and the Engineering Change level is C.
ACK*AC*33000*EA*011*19990815'	The item is accepted and has been shipped on August 15, 1999.
PO4*****REL90'	The secondary packaging is tape-and-reel, standard.
SUMMARY SECTION	
CTT*1'	There is one line item in the transaction set.
SE*13*000000001'	There are 13 segments in transaction set 000000001 including the ST and SE segments.