Army and Air Force Exchange Service

810 Invoice

Functional Group ID=IN

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Invoice Transaction Set (810) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the billing for goods and services provided.

Notes:

The following document identifies the AAFES business requirements for receiving the 810 invoice. All segments marked "RECOMMENDED" and elements marked "R" are required by AAFES to process the electronic invoice. Elements marked "M" are required by the standards. All elements defined may be transmitted as necessary in their respective segments.

Heading:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
4	0100	ST	Transaction Set Header	M	1		
5	0200	BIG	Beginning Segment for Invoice	M	1		
Not Used	0300	NTE	Note/Special Instruction	O	100		
6	0400	CUR	Currency	O	1		
7	0500	REF	Reference Identification	O	12		
Not Used	0550	YNQ	Yes/No Question	O	10		
Not Used	0600	PER	Administrative Communications Contact	O	3		
			LOOP ID - N1			200	
8	0700	N1	Name	O	1		
9	0800	N2	Additional Name Information	O	2		
10	0900	N3	Address Information	O	2		
11	1000	N4	Geographic Location	O	1		
Not Used	1100	REF	Reference Identification	O	12		
Not Used	1200	PER	Administrative Communications Contact	O	3		
Not Used	1250	DMG	Demographic Information	O	1		
12	1300	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
14	1400	DTM	Date/Time Reference	O	10		
Not Used	1500	FOB	F.O.B. Related Instructions	O	1		
Not Used	1600	PID	Product/Item Description	O	200		
Not Used	1700	MEA	Measurements	O	40		
Not Used	1800	PWK	Paperwork	O	25		
Not Used	1900	PKG	Marking, Packaging, Loading	O	25		
Not Used	2000	L7	Tariff Reference	O	1		
Not Used	2120	BAL	Balance Detail	O	>1		
Not Used	2130	INC	Installment Information	O	1		
Not Used	2140	PAM	Period Amount	O	>1		
Not Used	2145	CRC	Conditions Indicator	O	1		
			LOOP ID - LM			10	
Not Used	2200	LM	Code Source Information	O	1		

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Not Used	2300	LQ	Industry Code	M	100		
			LOOP ID - N9			1	
Not Used	2400	N9	Reference Identification	O	1		
Not Used	2500	MSG	Message Text	M	10		
			LOOP ID - V1			>1	
Not Used	2600	V1	Vessel Identification	O	1		
Not Used	2700	R4	Port or Terminal	O	>1		
Not Used	2800	DTM	Date/Time Reference	O	>1		
			LOOP ID - FA1			>1	
Not Used	2900	FA1	Type of Financial Accounting Data	O	1		
Not Used	3000	FA2	Accounting Data	M	>1		

Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - IT1			200000	
15	0100	IT1	Baseline Item Data (Invoice)	O	1		
Not Used	0120	CRC	Conditions Indicator	O	1		
Not Used	0150	QTY	Quantity	O	5		n1
Not Used	0200	CUR	Currency	O	1		
Not Used	0300	IT3	Additional Item Data	O	5		
Not Used	0400	TXI	Tax Information	O	>1		
17	0500	CTP	Pricing Information	O	25		
Not Used	0550	PAM	Period Amount	O	10		
Not Used	0590	MEA	Measurements	O	40		
			LOOP ID - PID			1000	
18	0600	PID	Product/Item Description	O	1		
Not Used	0700	MEA	Measurements	O	10		
Not Used	0800	PWK	Paperwork	O	25		
Not Used	0900	PKG	Marking, Packaging, Loading	O	25		
19	1000	PO4	Item Physical Details	O	1		
Not Used	1100	ITD	Terms of Sale/Deferred Terms of Sale	O	2		
Not Used	1200	REF	Reference Identification	O	>1		
Not Used	1250	YNQ	Yes/No Question	O	10		
Not Used	1300	PER	Administrative Communications Contact	O	5		
Not Used	1400	SDQ	Destination Quantity	O	500		
Not Used	1500	DTM	Date/Time Reference	O	10		
Not Used	1600	CAD	Carrier Detail	O	>1		
Not Used	1700	L7	Tariff Reference	O	>1		
Not Used	1750	SR	Requested Service Schedule	O	1		
			LOOP ID - SAC			>1	
20	1800	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
			LOOP ID - TXI			>1	
Not Used	1900	TXI	Tax Information	O	1		
Not Used	1950	DTM	Date/Time Reference	O	1		
			LOOP ID - SLN			1000	
Not Used	2000	SLN	Subline Item Detail	O	1		
Not Used	2050	DTM	Date/Time Reference	O	1		

Not Used	2100	REF	Reference Identification	O	>1	
Not Used	2200	PID	Product/Item Description	O	1000	
Not Used	2300	SAC	Service, Promotion, Allowance, or Charge Information	O	25	
Not Used	2350	TC2	Commodity	O	2	
Not Used	2370	TXI	Tax Information	O	>1	
			LOOP ID - N1			200
Not Used	2400	N1	Name	O	1	
Not Used	2500	N2	Additional Name Information	O	2	
Not Used	2600	N3	Address Information	O	2	
Not Used	2700	N4	Geographic Location	O	1	
Not Used	2800	REF	Reference Identification	O	12	
Not Used	2900	PER	Administrative Communications Contact	O	3	
Not Used	2950	DMG	Demographic Information	O	1	
			LOOP ID - LM			10
Not Used	3000	LM	Code Source Information	O	1	
Not Used	3100	LQ	Industry Code	M	100	
			LOOP ID - V1			>1
Not Used	3200	V1	Vessel Identification	O	1	
Not Used	3300	R4	Port or Terminal	O	>1	
Not Used	3400	DTM	Date/Time Reference	O	>1	
			LOOP ID - FA1			>1
Not Used	3500	FA1	Type of Financial Accounting Data	O	1	
Not Used	3600	FA2	Accounting Data	M	>1	

Summary:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
23	0100	TDS	Total Monetary Value Summary	M	1		
Not Used	0200	TXI	Tax Information	O	>1		
Not Used	0300	CAD	Carrier Detail	O	1		
Not Used	0350	AMT	Monetary Amount	O	>1		
			LOOP ID - SAC			>1	
24	0400	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
Not Used	0450	DTM	Date/Time Reference	O	>1		
			LOOP ID - TXI			>1	
Not Used	0500	TXI	Tax Information	O	1		
Not Used	0550	DTM	Date/Time Reference	O	1		
			LOOP ID - ISS			>1	
Not Used	0600	ISS	Invoice Shipment Summary	O	1		
Not Used	0650	PID	Product/Item Description	O	1		
27	0700	CTT	Transaction Totals	O	1		n2
28	0800	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. The QTY segment is used to specify a quantity of units which are expected as payments, e.g., trade-ins or returns.
2. Number of line items (CTT01) is the accumulation of the number of IT1 segments. If used CTT02 is the hash total of the quantities invoiced (IT102) for each IT1 segment.

Segment:	**ST** **Transaction Set Header**		
Position:	0100		
Loop:			
Level:	Heading		
Usage:	Mandatory		
Max Use:	1		
Purpose:	To indicate the start of a transaction set and to assign a control number		
Syntax Notes:			
Semantic Notes:	1	The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).	
	2	The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition.	
Comments:			

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	ST01	143	**Transaction Set Identifier Code**	M	1 ID 3/3
			Code uniquely identifying a Transaction Set		
			810 *Invoice*		
			810 Invoice		
M	ST02	329	**Transaction Set Control Number**	M	1 AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		

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	Segment:	**BIG** Beginning Segment for Invoice
	Position:	0200
	Loop:	
	Level:	Heading
	Usage:	Mandatory
	Max Use:	1
	Purpose:	To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates
	Syntax Notes:	
	Semantic Notes:	**1** BIG01 is the invoice issue date.
		2 BIG03 is the date assigned by the purchaser to purchase order.
		3 BIG10 is the consolidated invoice number associated with the invoice identified in BIG02. When BIG07 contains code CI (Consolidated Invoice), BIG02 will contain the consolidated invoice number and BIG10 is not used.
	Comments:	**1** BIG07 is used only to further define the type of invoice when needed.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
M	**BIG01**	**373**	**Date**	**M**	1	**DT 8/8**	
			Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year				
M	**BIG02**	**76**	**Invoice Number**	**M**	1	**AN 1/22**	
			Identifying number assigned by issuer				
R	**BIG04**	**324**	**Purchase Order Number**	**O**	1	**AN 1/22**	
			Identifying number for Purchase Order assigned by the orderer/purchaser				
			The AAFES 10-digit purchase order number or delivery order number must be present.				

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	Segment:	**CUR** Currency
	Position:	0400
	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: *This segment is required if the payment is in currency other than US dollars. If the payment is in US dollars, the segment is NOT used.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	CUR01	98	**Entity Identifier Code**	M	1	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual			
			15 Accounts Payable Office			
M	CUR02	100	**Currency Code**	M	1	ID 3/3
			Code (Standard ISO) for country in whose currency the charges are specified			
			Three digit currency code of desired payment.			

	Segment:	**REF** Reference Identification
	Position:	0500
	Loop:	
	Level:	Heading
	Usage:	Optional
	Max Use:	12
	Purpose:	To specify identifying information

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

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

Comments:

Notes: *Segment used to identify internal delivery ticket number and/or special order number.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	REF01	128	**Reference Identification Qualifier**	M	1	ID 2/3
			Code qualifying the Reference Identification			
			BM Bill of Lading Number			
			DJ Delivery Ticket Number			
	REF02	127	**Reference Identification**	X	1	AN 1/50
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
	REF03	352	**Description**	X	1	AN 1/80
			A free-form description to clarify the related data elements and their content			

Segment:	# N1 Name
Position:	0700
Loop:	N1 Optional (Recommended)
Level:	Heading
Usage:	Optional (Recommended)
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:	*Two N1 loops are required by AAFES. In the first loop, the "ST" and /or "BY" qualifier must be used to identify the AAFES ship-to and /or buying party location. The "RI" qualifer must be used to identify the party to receive payment in the second N1 loop.*
	Use the NI,N3, & N4 segments to convey customer name and address information for orders delivered directly to customers. This includes Exchange Catalog Orders & home delivery items.
	N104 must contain the AAFES 7 digit and/or the EDI 4 digit code for direct charge program invoices.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	N101	98	**Entity Identifier Code**	M	1	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual			
			BY Buying Party (Purchaser)			
			RI Remit To			
			ST Ship To			
	N102	93	**Name**	X	1	AN 1/60
			Free-form name			
			If the entity identifier code = "ST" and/or "BY", the N102 is not required unless the AAFES facility number is not available for transmission in the N104.			
R	N103	66	**Identification Code Qualifier**	X	1	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)			
			1 D-U-N-S Number, Dun & Bradstreet			
			9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix			
			92 Assigned by Buyer or Buyer's Agent			
R	N104	67	**Identification Code**	X	1	AN 2/80
			Code identifying a party or other code			
			This identication code will either be a 9-digit Duns number, a 13-digit Duns number, or an AAFES facility number.			

Segment:	**N2** **Additional Name Information**				
Position:	0800				
Loop:	N1 Optional (Recommended)				
Level:	Heading				
Usage:	Optional				
Max Use:	2				
Purpose:	To specify additional names				
Syntax Notes:					
Semantic Notes:					
Comments:					
Notes:	*Not required if N104 is transmitted.*				

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	N201	93	**Name**	M	1	AN 1/60
			Free-form name			
	N202	93	**Name**	O	1	AN 1/60
			Free-form name			

Segment:	**N3** Address Information		
Position:	0900		
Loop:	N1 Optional (Recommended)		
Level:	Heading		
Usage:	Optional		
Max Use:	2		
Purpose:	To specify the location of the named party		
Syntax Notes:			
Semantic Notes:			
Comments:			
Notes:	*The N3 segment is used for the "ST" and /or "BY" loops only. The N3 segment is not needed if the AAFES facility number is transmitted in the N104 segment.*		
	AAFES only uses the first instance of the N3 segment.		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	**N301**	**166**	**Address Information** Address information	**M**	**1**	**AN 1/55**
	N302	**166**	**Address Information** Address information	**O**	**1**	**AN 1/55**

Segment:	**N4** **Geographic Location**
Position:	1000
Loop:	N1 Optional (Recommended)
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To specify the geographic place of the named party
Syntax Notes:	1 Only one of N402 or N407 may be present.
	2 If N406 is present, then N405 is required.
	3 If N407 is present, then N404 is required.
Semantic Notes:	
Comments:	1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
	2 N402 is required only if city name (N401) is in the U.S. or Canada.
Notes:	*Not required if the "N104" is transmitted.*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
N401	**19**	**City Name**	O	1	**AN 2/30**
		Free-form text for city name			
N402	**156**	**State or Province Code**	X	1	**ID 2/2**
		Code (Standard State/Province) as defined by appropriate government agency			
N403	**116**	**Postal Code**	O	1	**ID 3/15**
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)			
N404	**26**	**Country Code**	X	1	**ID 2/3**
		Code identifying the country			

Segment:	**ITD** Terms of Sale/Deferred Terms of Sale		
Position:	1300		
Loop:			
Level:	Heading		
Usage:	Optional (Recommended)		
Max Use:	>1		
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:	*This segment is required by AAFES.*		

EXAMPLES:

Net 30   ITD01=01, ITD07=30

2%10 Net30   ITD01=01, ITD03=2, ITD05=10, ITD07=30

Net 10 Prox   ITD01=09, ITD07=10

Net 15 EOM ITD01=02, ITD07=15

AAFES will process only one set of terms which are applied to the entire invoice.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
R	**ITD01**	336	**Terms Type Code**	O	1	ID 2/2
			Code identifying type of payment terms			
			01 Basic			
			02 End of Month (EOM)			
			03 Fixed Date			
			05 Discount Not Applicable			
			06 Mixed			
			07 Extended			
			08 Basic Discount Offered			
			09 Proximo			
			11 Elective			
			12 10 Days After End of Month (10 EOM)			
			14 Previously agreed upon			
	ITD03	338	**Terms Discount Percent**	O	1	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			
	ITD04	370	**Terms Discount Due Date**	X	1	DT 8/8
			Date payment is due if discount is to be earned expressed in format CCYYMMDD where CC represents the first two digits of the calendar year			
	ITD05	351	**Terms Discount Days Due**	X	1	N0 1/3
			Number of days in the terms discount period by which payment is due if terms discount is earned			
	ITD06	446	**Terms Net Due Date**	O	1	DT 8/8

Date when total invoice amount becomes due expressed in format
CCYYMMDD where CC represents the first two digits of the calendar year

ITD07	**386**	**Terms Net Days**	**O**	**1**	**N0 1/3**

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

ITD08	**362**	**Terms Discount Amount**	**O**	**1**	**N2 1/10**

Total amount of terms discount

ITD12	**352**	**Description**	**O**	**1**	**AN 1/80**

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

Segment:	**DTM** Date/Time Reference		
Position:	1400		
Loop:			
Level:	Heading		
Usage:	Optional (Recommended)		
Max Use:	10		
Purpose:	To specify pertinent dates and times		
Syntax Notes:	1	At least one of DTM02 DTM03 or DTM05 is required.	
	2	If DTM04 is present, then DTM03 is required.	
	3	If either DTM05 or DTM06 is present, then the other is required.	
Semantic Notes:			
Comments:			

Notes: *Ship date is required.*

AAFES will process only one occurance of the DTM segment to determine the ship date of merchandise. Invoice payment is based on the later of scheduled ship date or invoice receipt date.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	DTM01	374	**Date/Time Qualifier**	M	1	ID 3/3
			Code specifying type of date or time, or both date and time			
			011 Shipped			
R	DTM02	373	**Date**	X	1	DT 8/8
			Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			

Segment:	**IT1** Baseline Item Data (Invoice)	
Position:	0100	
Loop:	IT1	Optional (Recommended)
Level:	Detail	
Usage:	Optional (Recommended)	
Max Use:	1	
Purpose:	To specify the basic and most frequently used line item data for the invoice and related transactions	

Syntax Notes:	**1**	If any of IT102 IT103 or IT104 is present, then all are required.
	2	If either IT106 or IT107 is present, then the other is required.
	3	If either IT108 or IT109 is present, then the other is required.
	4	If either IT110 or IT111 is present, then the other is required.
	5	If either IT112 or IT113 is present, then the other is required.
	6	If either IT114 or IT115 is present, then the other is required.
	7	If either IT116 or IT117 is present, then the other is required.
	8	If either IT118 or IT119 is present, then the other is required.
	9	If either IT120 or IT121 is present, then the other is required.
	10	If either IT122 or IT123 is present, then the other is required.
	11	If either IT124 or IT125 is present, then the other is required.
Semantic Notes:	**1**	IT101 is the line item identification.
Comments:	**1**	Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.
	2	IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes:		*This segment is not required, when sending freight charges seperately.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
R	IT102	358	**Quantity Invoiced**	X	1	R 1/10
			Number of units invoiced (supplier units)			
R	IT103	355	**Unit or Basis for Measurement Code**	X	1	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
			Refer to 004030 Data Element Dictionary for acceptable code values.			
R	IT104	212	**Unit Price**	X	1	R 1/17
			Price per unit of product, service, commodity, etc.			
R	IT106	235	**Product/Service ID Qualifier**	X	1	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			

	EN	EAN/UCC - 13
		Data structure for the 13 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN)
	UA	U.P.C./EAN Case Code (2-5-5)
	UI	U.P.C. Consumer Package Code (1-5-5)
	UK	EAN/UCC - 14
		Data structure for the 14 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN)
	UP	UCC - 12
		Data structure for the 12 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN). Also known as the Universal Product Code (U.P.C.)

	Ref. Des.	Data Element	Name	Attributes		
R	IT107	234	**Product/Service ID**	X	1	AN 1/48

Identifying number for a product or service

IT108	**235**	**Product/Service ID Qualifier**	**X**	**1**	**ID 2/2**

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

    PI   Purchaser's Item Code

IT109	**234**	**Product/Service ID**	**X**	**1**	**AN 1/48**

Identifying number for a product or service

IT110	**235**	**Product/Service ID Qualifier**	**X**	**1**	**ID 2/2**

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

    VA   Vendor's Style Number

IT111	**234**	**Product/Service ID**	**X**	**1**	**AN 1/48**

Identifying number for a product or service

IT112	**235**	**Product/Service ID Qualifier**	**X**	**1**	**ID 2/2**

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

    CB   Buyer's Catalog Number

IT113	**234**	**Product/Service ID**	**X**	**1**	**AN 1/48**

Identifying number for a product or service

IT114	**235**	**Product/Service ID Qualifier**	**X**	**1**	**ID 2/2**

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

    IB   International Standard Book Number (ISBN)

IT115	**234**	**Product/Service ID**	**X**	**1**	**AN 1/48**

Identifying number for a product or service

IT116	**235**	**Product/Service ID Qualifier**	**X**	**1**	**ID 2/2**

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

    U2   U.P.C. Shipping Container Code (1-2-5-5)

A 13-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, and the remaining five digits are the item code

IT117	**234**	**Product/Service ID**	**X**	**1**	**AN 1/48**

Identifying number for a product or service

Segment:	**CTP** Pricing Information	
Position:	0500	
Loop:	IT1 Optional (Recommended)	
Level:	Detail	
Usage:	Optional	
Max Use:	25	
Purpose:	To specify pricing information	
Syntax Notes:	1 If either CTP04 or CTP05 is present, then the other is required.	
	2 If CTP06 is present, then CTP07 is required.	
	3 If CTP09 is present, then CTP02 is required.	
	4 If CTP10 is present, then CTP02 is required.	
	5 If CTP11 is present, then CTP03 is required.	
Semantic Notes:	1 CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of .90 would be the factor if a 10% discount is given.	
	2 CTP08 is the rebate amount.	
Comments:	1 See Figures Appendix for an example detailing the use of CTP03 and CTP04. See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07.	
Notes:	*Two occurrences of the CTP segment can be sent on the invoice.* *First occurrence will indicate if a partner is on the "direct charge program", this segment will be identified before testing.* *Second occurrence is for 'promotional price reduction' which is passed on the purchase order.*	

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
CTP02	236	**Price Identifier Code**	X	1	ID 3/3
		Code identifying pricing specification			
		PRP Promotional price			
		Voluntary Price Reduction (VPR)			
		RES Resale			
		AAFES sell price for direct charge program only.			
CTP03	212	**Unit Price**	X	1	R 1/17
		Price per unit of product, service, commodity, etc.			

Segment:	**PID** Product/Item Description	
Position:	0600	
Loop:	PID	Optional
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To describe a product or process in coded or free-form format	
Syntax Notes:	**1**	If PID04 is present, then PID03 is required.
	2	At least one of PID04 or PID05 is required.
	3	If PID07 is present, then PID03 is required.
	4	If PID08 is present, then PID04 is required.
	5	If PID09 is present, then PID05 is required.
Semantic Notes:	**1**	Use PID03 to indicate the organization that publishes the code list being referred to.
	2	PID04 should be used for industry-specific product description codes.
	3	PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
	4	PID09 is used to identify the language being used in PID05.
Comments:	**1**	If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
	2	Use PID06 when necessary to refer to the product surface or layer being described in the segment.
	3	PID07 specifies the individual code list of the agency specified in PID03.
Notes:	*If the item cannot be identified based on UPC, AAFES may elect to receive an item description.*	
	AAFES will only use one PID segment per line (IT1).	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
M	**PID01**	**349**	**Item Description Type**		**M**	**1**	**ID 1/1**
			Code indicating the format of a description				
			F	Free-form			
	PID05	**352**	**Description**		**X**	**1**	**AN 1/80**
			A free-form description to clarify the related data elements and their content				
			Item description.				

Segment:	**PO4** Item Physical Details
Position:	1000
Loop:	IT1 Optional (Recommended)
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify the physical qualities, packaging, weights, and dimensions relating to the item

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

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

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

Notes:	*Case Pack information is required if billing unit is case.*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
PO401	**356**	**Pack**	**O 1 N0 1/6**
		The number of inner containers, or number of eaches if there are no inner containers, per outer container	

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Segment:	**SAC** Service, Promotion, Allowance, or Charge Information			
Position:	1800			
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 with SAC03 to further define 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:		*If the SAC segment is transmitted, the SAC02 and SAC05 are required by AAFES.* *AAFES will process up to (15) SAC segments per line. Allowances and charges are added or deducted and will be calculated in the total invoice amount..*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	SAC01	248	**Allowance or Charge Indicator**	M	1	ID 1/1
			Code which indicates an allowance or charge for the service specified			

A	Allowance
C	Charge

	Ref. Des.	Data Element	Name	Attributes		
	SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	X	1	ID 4/4
			Code identifying the service, promotion, allowance, or charge			

A260	Advertising Allowance
A400	Allowance Non-performance
A630	Blocking and Bracing Charge

B190	Closing & Sealing
B290	Combination
B320	Competitive Allowance
B560	Container Allowance
B570	Container Deposits
B660	Contract Allowance
B720	Cooperative Advertising/Merchandising Allowance (Performance)
B750	Core Charge
B950	Damaged Merchandise
C000	Defective Allowance
C090	Deposit Charges
C260	Discount - Incentive
C300	Discount - Special
C310	Discount
C350	Distributor Discount/Allowance
C540	Early Buy Allowance
C560	Early Ship Allowance
C680	Environmental Protection Service
C940	Export/Import Charge
C970	Extra Length
D240	Freight
D250	Freshness/Leaker Allowance
D270	Fuel Surcharge
D530	Hazardous Cargo Charge
D920	Insurance Fee
E380	Lift Gate (Truck) or Forklift Service at Pick-up/Delivery
E550	Market Development Funds
E730	New Item Allowance
E800	No Return Credit Allowance
F170	Pallet Exchange Charge
F180	Pallet
F190	Palletizing
F340	Pick/Up
F670	Price and Marketing Allowance
F730	Priority Service
F750	Processing Charge
F800	Promotional Allowance
F910	Quantity Discount
F920	Quantity Surcharge
F970	Rebate
G170	Redistribution Allowance
G290	Regulatory Fee
G360	Repack Charge
G450	Residential Delivery
G470	Restocking Charge
G740	Service Charge
G830	Shipping and Handling
G870	Shrink-Wrap Charge
H000	Special Allowance
H090	Special Handling

		H630	Tax - City Sales Tax (Only)			
		H640	Tax - Excise Tax - Destination			
		H650	Tax - Excise Tax - Origin			
		H660	Tax - Federal Excise Tax, FET			
		H670	Tax - Federal Excise Tax, FET, on Tires			
		H680	Tax - Governmental			
		H700	Tax - Local Tax			
		H720	Tax - Regulatory Tax			
		H730	Tax - Local Sales Tax			
			All applicable sales taxes by taxing authorities below the State level			
		H740	Tax - Sales and Use			
		H750	Tax - Sales Tax (State and Local)			
		H760	Tax - State Hazardous Substance			
		H770	Tax - State Tax			
		H780	Tax - Super Fund Excise Tax			
		H790	Tax - Use Tax			
		H850	Tax			
		H920	Temporary Allowance			
		H970	Terms Allowance			
		I170	Trade Discount			
		I310	Truckload Discount			
		I410	Unsaleable Merchandise Allowance			
		I530	Volume Discount			
R	**SAC05**	**610**	**Amount**	**O**	**1**	**N2 1/15**
			Monetary amount			

	Segment:	**TDS** Total Monetary Value Summary
	Position:	0100
	Loop:	
	Level:	Summary
	Usage:	Mandatory
	Max Use:	1
	Purpose:	To specify the total invoice discounts and amounts
	Syntax Notes:	

Semantic Notes:
1. TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).
2. TDS02 indicates the amount upon which the terms discount amount is calculated.
3. TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).
4. TDS04 indicates the total amount of terms discount.

Comments:
1. TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

Notes: *The TDS01 must reflect the total extented amount of the IT segments including any SAC segments.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	TDS01	610	**Amount**	M	1	N2 1/15
			Monetary amount			
			Total Invoice Amount			
	TDS02	610	**Amount**	O	1	N2 1/15
			Monetary amount			
			Amount subject to terms discount.			
	TDS03	610	**Amount**	O	1	N2 1/15
			Monetary amount			
			Discount amount due.			
	TDS04	610	**Amount**	O	1	N2 1/15
			Monetary amount			
			Required only if a cash discount applies.			

Segment:	**SAC** Service, Promotion, Allowance, or Charge Information
Position:	0400
Loop:	SAC Optional
Level:	Summary
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 with SAC03 to further define 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: *If the SAC segment is transmitted , the SAC02 & SAC05 are required by AAFES.*

AAFES will process up to (15) SAC segments at the total (TDS) summary level. Allowances and charges are added or deducted and will be calculated in the total invoice payment.

Freight charge of $150.00 or more require a copy of the paid freight bill mailed to AAFES Accounts Payable before payment is made for freight charges.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	SAC01	248	**Allowance or Charge Indicator**	M	1	ID 1/1
			Code which indicates an allowance or charge for the service specified			
			A Allowance			
			C Charge			
	SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	X	1	ID 4/4
			Code identifying the service, promotion, allowance, or charge			
			A260 Advertising Allowance			
			A400 Allowance Non-performance			

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A630	Blocking and Bracing Charge
B190	Closing & Sealing
B290	Combination
B320	Competitive Allowance
B560	Container Allowance
B570	Container Deposits
B660	Contract Allowance
B720	Cooperative Advertising/Merchandising Allowance (Performance)
B750	Core Charge
B950	Damaged Merchandise
C000	Defective Allowance
C090	Deposit Charges
C260	Discount - Incentive
C300	Discount - Special
C310	Discount
C350	Distributor Discount/Allowance
C540	Early Buy Allowance
C560	Early Ship Allowance
C680	Environmental Protection Service
C940	Export/Import Charge
C970	Extra Length
D240	Freight
D250	Freshness/Leaker Allowance
D270	Fuel Surcharge
D530	Hazardous Cargo Charge
D920	Insurance Fee
E550	Market Development Funds
E730	New Item Allowance
E800	No Return Credit Allowance
F170	Pallet Exchange Charge
F180	Pallet
F190	Palletizing
F340	Pick/Up
F670	Price and Marketing Allowance
F730	Priority Service
F750	Processing Charge
F800	Promotional Allowance
F910	Quantity Discount
F920	Quantity Surcharge
F970	Rebate
G170	Redistribution Allowance
G290	Regulatory Fee
G360	Repack Charge
G470	Restocking Charge
G740	Service Charge
G830	Shipping and Handling
G870	Shrink-Wrap Charge
H000	Special Allowance
H090	Special Handling
H630	Tax - City Sales Tax (Only)

	H640		Tax - Excise Tax - Destination		
	H650		Tax - Excise Tax - Origin		
	H660		Tax - Federal Excise Tax, FET		
	H670		Tax - Federal Excise Tax, FET, on Tires		
	H680		Tax - Governmental		
	H700		Tax - Local Tax		
	H720		Tax - Regulatory Tax		
	H730		Tax - Local Sales Tax		
			All applicable sales taxes by taxing authorities below the State level		
	H740		Tax - Sales and Use		
	H750		Tax - Sales Tax (State and Local)		
	H760		Tax - State Hazardous Substance		
	H770		Tax - State Tax		
	H780		Tax - Super Fund Excise Tax		
	H790		Tax - Use Tax		
	H850		Tax		
	H920		Temporary Allowance		
	H970		Terms Allowance		
	I170		Trade Discount		
	I310		Truckload Discount		
	I410		Unsaleable Merchandise Allowance		
	I530		Volume Discount		
R	**SAC05**	**610**	**Amount**	**O**	**1 N2 1/15**
			Monetary amount		

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Segment:	**CTT** Transaction Totals		
Position:	0700		
Loop:			
Level:	Summary		
Usage:	Optional (Recommended)		
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:	*Required by AAFES.*		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	CTT01	354	**Number of Line Items**	M	1	N0 1/6
			Total number of line items in the transaction set			

Segment:	**SE** **Transaction Set Trailer**	
Position:	0800	
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		
M	SE01	96	**Number of Included Segments**	M	1	N0 1/10
			Total number of segments included in a transaction set including ST and SE segments			
M	SE02	329	**Transaction Set Control Number**	M	1	AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set			