ARMY & AIR FORCE EXCHANGE SERVICE
810 Invoice

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Functional Group ID=IN

</div>

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:

This document identifies the business requirements for the Invoice with all data segments and their corresponding elements defined as required by AAFES. All segments & elements marked "R" are required by AAFES to process the electronic invoice. Elements marked >> are required by the standards. All elements defined may be transmitted as necessary in their respective 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	BIG	Beginning Segment for Invoice	M	1		
Not Used	030	NTE	Note/Special Instruction	O	100		
	040	CUR	Currency	O	1		
Not Used	050	REF	Reference Identification	O	12		
Not Used	055	YNQ	Yes/No Question	O	10		
Not Used	060	PER	Administrative Communications Contact	O	3		
			LOOP ID - N1			200	
R	070	N1	Name	O	1		
	080	N2	Additional Name Information	O	2		
	090	N3	Address Information	O	2		
	100	N4	Geographic Location	O	1		
Not Used	110	REF	Reference Identification	O	12		
Not Used	120	PER	Administrative Communications Contact	O	3		
R	130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
R	140	DTM	Date/Time Reference	O	10		
Not Used	150	FOB	F.O.B. Related Instructions	O	1		
Not Used	160	PID	Product/Item Description	O	200		
Not Used	170	MEA	Measurements	O	40		
Not Used	180	PWK	Paperwork	O	25		
Not Used	190	PKG	Marking, Packaging, Loading	O	25		
Not Used	200	L7	Tariff Reference	O	1		
Not Used	210	AT	Financial Accounting	O	>1		
Not Used	212	BAL	Balance Detail	O	2		n1
Not Used	213	INC	Installment Information	O	1		
			LOOP ID - LM			10	
Not Used	220	LM	Code Source Information	O	1		
Not Used	230	LQ	Industry Code	M	100		

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				LOOP ID - N9			1	
Not Used	240	N9		Reference Identification	O	1		
Not Used	250	MSG		Message Text	M	10		
				LOOP ID - V1			>1	
Not Used	260	V1		Vessel Identification	O	1		
Not Used	270	R4		Port	O	>1		
Not Used	280	DTM		Date/Time Reference	O	>1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - IT1			200000	
R	010	IT1	Baseline Item Data (Invoice)	O	1		
Not Used	012	CRC	Conditions Indicator	O	1		
Not Used	015	QTY	Quantity	O	5		n2
Not Used	020	CUR	Currency	O	1		
Not Used	030	IT3	Additional Item Data	O	5		
Not Used	040	TXI	Tax Information	O	10		
	050	CTP	Pricing Information	O	25		
Not Used	055	PAM	Period Amount	O	10		
Not Used	059	MEA	Measurements	O	40		
			LOOP ID - PID			1000	
	060	PID	Product/Item Description	O	1		
Not Used	070	MEA	Measurements	O	10		
Not Used	080	PWK	Paperwork	O	25		
Not Used	090	PKG	Marking, Packaging, Loading	O	25		
	100	PO4	Item Physical Details	O	1		
Not Used	110	ITD	Terms of Sale/Deferred Terms of Sale	O	2		
Not Used	120	REF	Reference Identification	O	>1		
Not Used	125	YNQ	Yes/No Question	O	10		
Not Used	130	PER	Administrative Communications Contact	O	5		
Not Used	140	SDQ	Destination Quantity	O	500		
Not Used	150	DTM	Date/Time Reference	O	10		
Not Used	160	CAD	Carrier Detail	O	>1		
Not Used	170	L7	Tariff Reference	O	>1		
Not Used	175	SR	Requested Service Schedule	O	1		
Not Used	176	AT	Financial Accounting	O	>1		
			LOOP ID - SAC			25	
	180	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
Not Used	190	TXI	Tax Information	O	10		
			LOOP ID - SLN			1000	
Not Used	200	SLN	Subline Item Detail	O	1		
Not Used	210	REF	Reference Identification	O	>1		
Not Used	220	PID	Product/Item Description	O	1000		
Not Used	230	SAC	Service, Promotion, Allowance, or Charge Information	O	25		
Not Used	235	TC2	Commodity	O	2		
Not Used	237	TXI	Tax Information	O	10		

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			LOOP ID - N1				**200**
Not Used	240	N1	Name	O	1		
Not Used	250	N2	Additional Name Information	O	2		
Not Used	260	N3	Address Information	O	2		
Not Used	270	N4	Geographic Location	O	1		
Not Used	280	REF	Reference Identification	O	12		
Not Used	290	PER	Administrative Communications Contact	O	3		
			LOOP ID - LM				**10**
Not Used	300	LM	Code Source Information	O	1		
Not Used	310	LQ	Industry Code	M	100		
			LOOP ID - V1				**>1**
Not Used	320	V1	Vessel Identification	O	1		
Not Used	330	R4	Port	O	>1		
Not Used	340	DTM	Date/Time Reference	O	>1		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	TDS	Total Monetary Value Summary	M	1		
Not Used	020	TXI	Tax Information	O	10		
Not Used	030	CAD	Carrier Detail	O	1		
			LOOP ID - SAC				**25**
	040	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
Not Used	050	TXI	Tax Information	O	10		
			LOOP ID - ISS				**>1**
Not Used	060	ISS	Invoice Shipment Summary	O	1		
Not Used	065	PID	Product/Item Description	O	1		
R	070	CTT	Transaction Totals	O	1		n3
Must Use	080	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. The BAL segment is to be used only if the code in BIG07 indicates that the transaction is a ``Monthly Adjustment''or ``Special Handling Adjustment'' invoice.

2. The QTY segment is used to specify a quantity of units which are expected as payments, e.g., trade-ins or returns.

3. Number of line items (CTT01) is the accumulation of the number of IT1 segments. If used, hash total (CTT02) is the sum of the value of quantities invoiced (IT102) for each IT1 segment.

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	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) 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
>>	**ST01**	**143**	**Transaction Set Identifier Code**	**M ID 3/3**
			Code uniquely identifying a Transaction Set	
			Refer to 003060 Data Element Dictionary for acceptable code values.	
>>	**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	

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Segment:	**BIG** Beginning Segment for Invoice	
Position:	020	
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 indicates the consolidated invoice number. When BIG07 contains code CI, 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	
>>	**BIG01**	**373**	**Date**	**M**	**DT 6/6**
			Date (YYMMDD)		
>>	**BIG02**	**76**	**Invoice Number**	**M**	**AN 1/22**
			Identifying number assigned by issuer		
R	**BIG04**	**324**	**Purchase Order Number**	**O**	**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:	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:	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	
>>	CUR01	98	**Entity Identifier Code**	M	ID 2/2
			Code identifying an organizational entity, a physical location, or an individual		
			15 Accounts Payable Office		
>>	CUR02	100	**Currency Code**	M	ID 3/3
			Code (Standard ISO) for country in whose currency the charges are specified		
			Three digit currency code of desired payment.		

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Segment:	**N1** Name	
Position:	070	
Loop:	N1	
Level:	Heading	
Usage:	Required by AAFES	
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. The "ST" N1 loop to identify the AAFES ship to location, and the "RE" N1 loop to identify the party to receive payment.	
	Use N1, 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 AAFES facility number for direct charge program invoices.	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
>>	N101	98	Entity Identifier Code	M	ID 2/2
			Code identifying an organizational entity, a physical location, or an individual		
			RE	Party to receive commercial invoice remittance	
			ST	Ship To	
	N102	93	Name	X	AN 1/35
			Free-form name		
			If the Entity Identifier Code = "ST", 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	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	AN 2/20
			Code identifying a party or other code		
			This identification code will either be a 9 digit Duns number, a 13 digit Duns number, or an AAFES facility number.		

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Segment:	**N2** Additional Name Information	
Position:	080	
Loop:	N1	
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:	Not required if "N104" is transmitted.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
>>	**N201**	**93**	**Name**	**M**	**AN 1/35**
			Free-form name		
	N202	**93**	**Name**	**O**	**AN 1/35**
			Free-form name		

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Segment:	**N3** Address Information
Position:	090
Loop:	N1
Level:	Heading
Usage:	Optional
Max Use:	2
Purpose:	To specify the location of the named party
Syntax Notes:	
Semantic Notes:	
Comments:	
Notes:	N3 segment is used for "ST" loops only. N3 segment not needed if the AAFES facility number is transmitted in the "ST" N104 segment. AAFES only uses the first instance of the N3 segment.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
>>	N301	166	**Address Information** Address information	M	AN 1/35
	N302	166	**Address Information** Address information	O	AN 1/35

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Segment:	**N4** Geographic Location
Position:	100
Loop:	N1
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:	Not required if the "N104" is transmitted.

Data Element Summary

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

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Segment:	**ITD** Terms of Sale/Deferred Terms of Sale			
Position:	130			
Loop:				
Level:	Heading			
Usage:	Required by AAFES			
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: Examples:Net 30 ITD01=01,ITD07=30; 2%10Net30 ITD01=01,ITD03=2,ITD05=10,ITD07=30; NET10 PROX ITD01=09,ITD07=10; NET15EOM 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**	**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	

	Ref. Des.	Data Element	Name	Attributes	
	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

	ITD04	370	**Terms Discount Due Date**	**X**	**DT 6/6**

Date payment is due if discount is to be earned

	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

	ITD06	446	**Terms Net Due Date**	**O**	**DT 6/6**

Date when total invoice amount becomes due

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

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

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

Total amount of terms discount

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

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

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Segment:	**DTM** Date/Time Reference
Position:	140
Loop:	
Level:	Heading
Usage:	Required by AAFES
Max Use:	10
Purpose:	To specify pertinent dates and times
Syntax Notes:	1 At least one of DTM02 DTM03 or DTM06 is required.
	2 If either DTM06 or DTM07 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 the 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
>>	**DTM01**	**374**	**Date/Time Qualifier**	M	**ID 3/3**
			Code specifying type of date or time, or both date and time		
			011 Shipped		
R	**DTM02**	**373**	**Date**	X	**DT 6/6**
			Date (YYMMDD)		
	DTM05	**624**	**Century**	O	**N0 2/2**
			The first two characters in the designation of the year (CCYY)		

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Segment:	**IT1** Baseline Item Data (Invoice)	
Position:	010	
Loop:	IT1	
Level:	Detail	
Usage:	Required by AAFES	
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 purchase order 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., UPC No., ISBN No., Model No., or SKU.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
R	IT102	358	**Quantity Invoiced**	X	R 1/10
			Number of units invoiced (supplier units)		
R	IT103	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 003060 Data Element Dictionary for acceptable code values.		
R	IT104	212	**Unit Price**	X	R 1/17
			Price per unit of product, service, commodity, etc.		
R	IT106	235	**Product/Service ID Qualifier**	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			UA U.P.C./EAN Case Code (2-5-5)		
			UP U.P.C. Consumer Package Code (1-5-5-1)		
R	IT107	234	**Product/Service ID**	X	AN 1/40
			Identifying number for a product or service		
	IT108	235	**Product/Service ID Qualifier**	X	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	AN 1/40
			Identifying number for a product or service		
	IT110	235	**Product/Service ID Qualifier**	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			VA Vendor's Style Number		

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IT111	**234**	**Product/Service ID**		**X**	**AN 1/40**

Identifying number for a product or service

IT112	**235**	**Product/Service ID Qualifier**		**X**	**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**	**AN 1/40**

Identifying number for a product or service

IT114	**235**	**Product/Service ID Qualifier**		**X**	**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**	**AN 1/40**

Identifying number for a product or service

IT116	**235**	**Product/Service ID Qualifier**		**X**	**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**	**AN 1/40**

Identifying number for a product or service

IT118	**235**	**Product/Service ID Qualifier**		**X**	**ID 2/2**

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

    EN   European Article Number (EAN) (2-5-5-1)

IT119	**234**	**Product/Service ID**		**X**	**AN 1/40**

Identifying number for a product or service

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Segment:	**CTP** Pricing Information
Position:	050
Loop:	IT1
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.
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:	One CTP segment is required if the invoice is for the direct charge program, otherwise, the CTP segment is not used. AAFES-FA-EDI will advise during testing if this segment is required.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
CTP02	236	**Price Identifier Code**	X ID 3/3
		Code identifying pricing specification	
		RES Resale	
		AAFES Sell Price	
CTP03	212	**Unit Price**	O R 1/17
		Price per unit of product, service, commodity, etc.	

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Segment:	**PID** Product/Item Description
Position:	060
Loop:	PID
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 PID03 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
>>	**PID01**	**349**	**Item Description Type**	**M ID 1/1**
			Code indicating the format of a description	
			F Free-form	
	PID05	**352**	**Description**	**X AN 1/80**
			A free-form description to clarify the related data elements and their content	
			Item Description	

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Segment:	**PO4** Item Physical Details	
Position:	100	
Loop:	IT1	
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 of 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:	Case pack information is required if billing units is case.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
PO401	356	**Pack**	**O**	**N0 1/6**
		Number of inner pack units per outer pack unit		
PO402	357	**Size**	**X**	**R 1/8**
		Size of supplier units in pack		
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 003060 Data Element Dictionary for acceptable code values.		
PO406	384	**Gross Weight per Pack**	**X**	**R 1/9**
		Numeric value of gross weight per pack		
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 003060 Data Element Dictionary for acceptable code values.		
PO408	385	**Gross Volume per Pack**	**X**	**R 1/9**
		Numeric value of gross volume per pack		
PO409	355	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**

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

Refer to 003060 Data Element Dictionary for acceptable code values.

Army & Air Force Exchange Service

Segment:	**SAC** Service, Promotion, Allowance, or Charge Information
Position:	180
Loop:	SAC
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.
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.
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 a "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.
Notes:	If SAC segment transmitted **SAC02 & SAC05 ARE REQUIRED BY AAFES** AAFES will process up to 8 SAC segments per line. Allowances and charges are deducted or added to each invoice payment. Freight charges of $150.00 or more require a copy of the paid freight bill mailed to AAFES Accounts Payable before payment is made for the freight charges.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
>>	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	
	SAC02	1300	**Service, Promotion, Allowance, or Charge Code**		**X ID 4/4**
			Code identifying the service, promotion, allowance, or charge		
			A260	Advertising Allowance	
			A630	Blocking and Bracing Charge	
			B190	Closing & Sealing	
			B320	Competitive Allowance	

B560	Container Allowance	
B570	Container Deposits	
C000	Defective Allowance	
C310	Discount	
C350	Distributor Discount/Allowance	
C540	Early Buy Allowance	
C560	Early Ship Allowance	
C680	Environmental Protection Service	
D240	Freight	
D530	Hazardous Cargo Charge	
E550	Market Development Funds	
E800	No Return Credit Allowance	
F170	Pallet Exchange Charge	
F190	Palletizing	
F340	Pick/Up	
F800	Promotional Allowance	
F910	Quantity Discount	
G170	Redistribution Allowance	
G360	Repack Charge	
G470	Restocking Charge	
G870	Shrink-Wrap Charge	
H000	Special Allowance	
H660	Tax - Federal Excise Tax, FET	
H770	Tax - State Tax	
H920	Temporary Allowance	
I170	Trade Discount	
I310	Truckload Discount	
I410	Unsaleable Merchandise Allowance	
I530	Volume Discount	

SAC05   **610**   **Amount**   **O**   **N2 1/15**

Monetary amount

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

Code indicating method of handling for an allowance or charge

	02	Off Invoice
	06	Charge to be Paid by Customer

SAC15   **352**   **Description**   **O**   **AN 1/80**

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

Army & Air Force Exchange Service

Segment:	**TDS** Total Monetary Value Summary	
Position:	010	
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.

Data Element Summary

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

Army & Air Force Exchange Service

Segment:	**SAC** Service, Promotion, Allowance, or Charge Information
Position:	040
Loop:	SAC
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.

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.

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 a "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Notes: If SAC segment transmitted **SAC02 & SAC05 ARE REQUIRED BY AAFES**

AAFES will process up to six(6) SAC segments at the total(TDS) level.
Allowances and charges are deducted or added to calculate invoice payment.

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

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
>>	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

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

Code identifying the service, promotion, allowance, or charge

A260	Advertising Allowance
A630	Blocking and Bracing Charge
B190	Closing & Sealing
B320	Competitive Allowance

B560	Container Allowance		
B570	Container Deposits		
C000	Defective Allowance		
C310	Discount		
C350	Distributor Discount/Allowance		
C540	Early Buy Allowance		
C560	Early Ship Allowance		
C680	Environmental Protection Service		
D240	Freight		
D530	Hazardous Cargo Charge		
E550	Market Development Funds		
E800	No Return Credit Allowance		
F170	Pallet Exchange Charge		
F190	Palletizing		
F340	Pick/Up		
F800	Promotional Allowance		
F910	Quantity Discount		
G170	Redistribution Allowance		
G360	Repack Charge		
G470	Restocking Charge		
G870	Shrink-Wrap Charge		
H000	Special Allowance		
H660	Tax - Federal Excise Tax, FET		
H770	Tax - State Tax		
H920	Temporary Allowance		
I170	Trade Discount		
I310	Truckload Discount		
I410	Unsaleable Merchandise Allowance		
I530	Volume Discount		

R	SAC05	610	**Amount**	O	N2 1/15
			Monetary amount		
	SAC12	331	**Allowance or Charge Method of Handling Code**	O	ID 2/2
			Code indicating method of handling for an allowance or charge		
			02 Off Invoice		
			06 Charge to be Paid by Customer		
	SAC15	352	**Description**	O	AN 1/80
			A free-form description to clarify the related data elements and their content		

Army & Air Force Exchange Service

Segment:	**CTT** Transaction Totals
Position:	070
Loop:	
Level:	Summary
Usage:	Required by AAFES
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
>> CTT01	354	**Number of Line Items**	M N0 1/6
		Total number of line items in the transaction set	

Army & Air Force Exchange Service

Segment:	**SE** Transaction Set Trailer
Position:	080
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
>>	SE01	96	**Number of Included Segments** M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments
>>	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