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 ">>" 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	010	ST	Transaction Set Header	M	1		
5	020	BIG	Beginning Segment for Invoice	M	1		
Not Used	030	NTE	Note/Special Instruction	O	100		
6	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	
7	070	N1	Name	O	1		
8	080	N2	Additional Name Information	O	2		
9	090	N3	Address Information	O	2		
10	100	N4	Geographic Location	O	1		
Not Used	110	REF	Reference Identification	O	12		
Not Used	120	PER	Administrative Communications Contact	O	3		
Not Used	125	DMG	Demographic Information	O	1		
11	130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
13	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	212	BAL	Balance Detail	O	>1		
Not Used	213	INC	Installment Information	O	1		
Not Used	214	PAM	Period Amount	O	>1		
			LOOP ID - LM			10	
Not Used	220	LM	Code Source Information	O	1		
Not Used	230	LQ	Industry Code	M	100		

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			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 or Terminal	O	>1		
Not Used	280	DTM	Date/Time Reference	O	>1		
			LOOP ID - FA1			>1	
Not Used	290	FA1	Type of Financial Accounting Data	O	1		
Not Used	300	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	
14	010	IT1	Baseline Item Data (Invoice)	O	1		
Not Used	012	CRC	Conditions Indicator	O	1		
Not Used	015	QTY	Quantity	O	5		n1
Not Used	020	CUR	Currency	O	1		
Not Used	030	IT3	Additional Item Data	O	5		
Not Used	040	TXI	Tax Information	O	10		
16	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	
17	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		
18	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		
			LOOP ID - SAC			25	
19	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	205	DTM	Date/Time Reference	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		
			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		
Not Used	295	DMG	Demographic Information	O	1		
			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 or Terminal	O	>1		
Not Used	340	DTM	Date/Time Reference	O	>1		
			LOOP ID - FA1			>1	
Not Used	350	FA1	Type of Financial Accounting Data	O	1		
Not Used	360	FA2	Accounting Data	M	>1		

Summary:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
22	010	TDS	Total Monetary Value Summary	M	1		
Not Used	020	TXI	Tax Information	O	10		
Not Used	030	CAD	Carrier Detail	O	1		
Not Used	035	AMT	Monetary Amount	O	>1		
			LOOP ID - SAC			25	
23	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		
26	070	CTT	Transaction Totals	O	1		n2
27	080	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, hash total (CTT02) is the sum of the value of quantities invoiced (IT102) for each IT1 segment.

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

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
M	**BIG01**	**373**	**Date** Date expressed as CCYYMMDD	**M DT 8/8**
M	**BIG02**	**76**	**Invoice Number** Identifying number assigned by issuer	**M AN 1/22**
R	**BIG04**	**324**	**Purchase Order Number** Identifying number for Purchase Order assigned by the orderer/purchaser *The AAFES 10-digit purchase order number or delivery order number must be present.*	**O AN 1/22**

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
M	**CUR01**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 2/3**
M	**CUR02**	**100**	**Currency Code** Code (Standard ISO) for country in whose currency the charges are specified *Three digit currency code of desired payment.*	**M ID 3/3**

Segment:	**N1** **Name**
Position:	070
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 "RE" qualifier must be used to identify the party to receive payment in the second N1 loop.* *Use the 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 the AAFES facility number for direct charge program invoices.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual BY — Buying Party (Purchaser) RE — Party to receive commercial invoice remittance ST — Ship To	**M ID 2/3**
	N102	**93**	**Name** 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.*	**X AN 1/60**
R	**N103**	**66**	**Identification Code Qualifier** 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	**X ID 1/2**
R	**N104**	**67**	**Identification Code** 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.*	**X AN 2/80**

Segment:	**N2 Additional Name Information**
Position:	080
Loop:	N1 Optional (Recommended)
Level:	Heading
Usage:	Optional
Max Use:	2
Purpose:	To specify additional names or those longer than 35 characters in length
Syntax Notes:	
Semantic Notes:	
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N201**	**93**	**Name** Free-form name *Not required if N104 is transmitted.*	**M AN 1/60**

Segment:	**N3 Address Information**
Position:	090
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**	**AN 1/55**
	N302	**166**	**Address Information** Address information	**O**	**AN 1/55**

Segment: **N4** **Geographic Location**
Position: 100
Loop: N1 Optional (Recommended)
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** Free-form text for city name	**O**	**AN 2/30**
N402	**156**	**State or Province Code** Code (Standard State/Province) as defined by appropriate government agency	**O**	**ID 2/2**
N403	**116**	**Postal Code** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	**O**	**ID 3/15**
N404	**26**	**Country Code** Code identifying the country	**O**	**ID 2/3**

Segment: **ITD** **Terms of Sale/Deferred Terms of Sale**
Position: 130
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: *EXAMPLES:*

Net 30 ITD01=01, ITD07=30

2%10 Net 30 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** 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	**O**	**ID 2/2**
	ITD03	**338**	**Terms Discount Percent** Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date	**O**	**R 1/6**
	ITD04	**370**	**Terms Discount Due Date** Date payment is due if discount is to be earned expressed in format CCYYMMDD	**X**	**DT 8/8**
	ITD05	**351**	**Terms Discount Days Due** Number of days in the terms discount period by which payment is due if terms discount is earned	**X**	**N0 1/3**
	ITD06	**446**	**Terms Net Due Date** Date when total invoice amount becomes due expressed in format CCYYMMDD	**O**	**DT 8/8**
	ITD07	**386**	**Terms Net Days** Number of days until total invoice amount is due (discount not applicable)	**O**	**N0 1/3**

ITD08	**362**	**Terms Discount Amount** Total amount of terms discount	**O**	**N2 1/10**
ITD12	**352**	**Description** A free-form description to clarify the related data elements and their content	**O**	**AN 1/80**

Segment: **DTM** **Date/Time Reference**
Position: 140
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 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
M	**DTM01**	**374**	**Date/Time Qualifier** Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 3/3**
R	**DTM02**	**373**	**Date** Date expressed as CCYYMMDD	**X DT 8/8**

Segment: **IT1** **Baseline Item Data (Invoice)**
Position: 010
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 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., U.P.C. 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 004010 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 1/48**
			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 1/48**
			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		
	IT111	**234**	**Product/Service ID**	**X**	**AN 1/48**
			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 1/48**
		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 1/48**
		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 1/48**
		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 1/48**
		Identifying number for a product or service		

Segment:	**CTP Pricing Information**
Position:	050
Loop:	IT1 Optional (Recommended)
Level:	Detail
Usage:	Optional (Recommended)
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:	*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** Code identifying pricing specification *AAFES sell price.* RES Resale	**X ID 3/3**
CTP03	**212**	**Unit Price** Price per unit of product, service, commodity, etc.	**X R 1/17**

Segment: **PID** **Product/Item Description**
Position: 060
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 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.	

Segment: **PO4** **Item Physical Details**
Position: 100
Loop: IT1 Optional (Recommended)
Level: Detail
Usage: Optional (Recommended)
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: *Case pack information is required if billing units is case.*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
PO401	**356**	**Pack** The number of inner containers, or number of eaches if there are no inner containers, per outer container	**O**	**N0 1/6**
PO402	**357**	**Size** Size of supplier units in pack	**X**	**R 1/8**
PO403	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	**X**	**ID 2/2**
PO406	**384**	**Gross Weight per Pack** Numeric value of gross weight per pack	**X**	**R 1/9**
PO407	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	**X**	**ID 2/2**
PO408	**385**	**Gross Volume per Pack** Numeric value of gross volume per pack	**X**	**R 1/9**
PO409	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	**X**	**ID 2/2**

Segment:	**SAC** **Service, Promotion, Allowance, or Charge Information**
Position:	180
Loop:	SAC Optional (Recommended)
Level:	Detail
Usage:	Optional (Recommended)
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:

If the SAC segment is transmitted, the SAC02 and SAC05 are requried 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
M	**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	
			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		
			H690 Tax - Handling Charge 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**	**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 Refer to 004010 Data Element Dictionary for acceptable code values.		
	SAC15	**352**	**Description**	**X**	**AN 1/80**
			A free-form description to clarify the related data elements and their content		

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	
M	**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.		

Segment: **SAC** **Service, Promotion, Allowance, or Charge Information**
Position: 040
Loop: SAC Optional (Recommended)
Level: Summary
Usage: Optional (Recommended)
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: *If the SAC segment is transmitted, the SAC02 and 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
M	**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	
			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
E550	Market Development Funds
E760	New Warehouse Discount
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** Monetary amount	**O**	**N2 1/15**
	SAC12	**331**	**Allowance or Charge Method of Handling Code** Code indicating method of handling for an allowance or charge Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 2/2**
	SAC15	**352**	**Description** A free-form description to clarify the related data elements and their content	**X**	**AN 1/80**

Segment: **CTT** **Transaction Totals**
Position: 070
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** Total number of line items in the transaction set	**M N0 1/6**

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