

# 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	
			<b>LOOP ID - N9</b>	<b>1</b>		
Not Used	2400	N9	Reference Identification	O	1	
Not Used	2500	MSG	Message Text	M	10	
			<b>LOOP ID - V1</b>	<b>&gt;1</b>		
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	
			<b>LOOP ID - FA1</b>	<b>&gt;1</b>		
Not Used	2900	FA1	Type of Financial Accounting Data	O	1	
Not Used	3000	FA2	Accounting Data	M	>1	

**Detail:**

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
			<b>LOOP ID - IT1</b>	<b>200000</b>			
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		
			<b>LOOP ID - PID</b>	<b>1000</b>			
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		
			<b>LOOP ID - SAC</b>	<b>&gt;1</b>			
20	1800	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
			<b>LOOP ID - TXI</b>	<b>&gt;1</b>			
Not Used	1900	TXI	Tax Information	O	1		
Not Used	1950	DTM	Date/Time Reference	O	1		
			<b>LOOP ID - SLN</b>	<b>1000</b>			
Not Used	2000	SLN	Subline Item Detail	O	1		
Not Used	2050	DTM	Date/Time Reference	O	1		

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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
<b>LOOP ID - N1</b>					<b>200</b>
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
<b>LOOP ID - LM</b>					<b>10</b>
Not Used	3000	LM	Code Source Information	O	1
Not Used	3100	LQ	Industry Code	M	100
<b>LOOP ID - V1</b>					<b>&gt;1</b>
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
<b>LOOP ID - FA1</b>					<b>&gt;1</b>
Not Used	3500	FA1	Type of Financial Accounting Data	O	1
Not Used	3600	FA2	Accounting Data	M	>1

**Summary:**

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
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		
<b>LOOP ID - SAC</b>					<b>&gt;1</b>		
24	0400	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
Not Used	0450	DTM	Date/Time Reference	O	>1		
<b>LOOP ID - TXI</b>					<b>&gt;1</b>		
Not Used	0500	TXI	Tax Information	O	1		
Not Used	0550	DTM	Date/Time Reference	O	1		
<b>LOOP ID - ISS</b>					<b>&gt;1</b>		
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**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
M	ST01	143 <b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set	M 1 ID 3/3
		810 Invoice	
		Refer to 004030 Data Element Dictionary for acceptable code values.	
M	ST02	329 <b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M 1 AN 4/9

**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**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	BIG01	373	<b>Date</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	M 1 DT 8/8
M	BIG02	76	<b>Invoice Number</b> Identifying number assigned by issuer	M 1 AN 1/22
R	BIG04	324	<b>Purchase Order Number</b> 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 1 AN 1/22

**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.	Data Element	Name	Attributes
M	CUR01	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	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**

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

**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.	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 identification 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**

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

**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**

	<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>		
	<b>Des.</b>	<b>Element</b>				
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**

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

**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.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Terms Type Code</u>	<u>1 ID 2/2</u>
R	ITD01	336	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)	
	ITD03	338	O 1 R 1/6
		<b>Terms Discount Percent</b>	
		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	X 1 DT 8/8
		<b>Terms Discount Due Date</b>	
		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	X 1 N0 1/3
		<b>Terms Discount Days Due</b>	
		Number of days in the terms discount period by which payment is due if terms discount is earned	
	ITD06	446	O 1 DT 8/8
		<b>Terms Net Due Date</b>	
		Date when total invoice amount becomes due expressed in format	

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<b>ITD07</b>	<b>386</b>	<b>Terms Net Days</b>	<b>O 1 N0 1/3</b>
		Number of days until total invoice amount is due (discount not applicable)	
<b>ITD08</b>	<b>362</b>	<b>Terms Discount Amount</b>	<b>O 1 N2 1/10</b>
		Total amount of terms discount	
<b>ITD12</b>	<b>352</b>	<b>Description</b>	<b>O 1 AN 1/80</b>
		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 occurrence 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**

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

**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 separately.

**Data Element Summary**

Ref.	Data	Attributes		
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
R	IT102	358	<b>Quantity Invoiced</b>	X 1 R 1/10
			Number of units invoiced (supplier units)	
R	IT103	355	<b>Unit or Basis for Measurement Code</b>	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	<b>Unit Price</b>	X 1 R 1/17
			Price per unit of product, service, commodity, etc.	
R	IT106	235	<b>Product/Service ID Qualifier</b>	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.)	
R	IT107	234	<b>Product/Service ID</b>	X 1 AN 1/48

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		Identifying number for a product or service		
<b>IT108</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>1 ID 2/2</b>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		PI Purchaser's Item Code		
<b>IT109</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>1 AN 1/48</b>
		Identifying number for a product or service		
<b>IT110</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>1 ID 2/2</b>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		VA Vendor's Style Number		
<b>IT111</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>1 AN 1/48</b>
		Identifying number for a product or service		
<b>IT112</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>1 ID 2/2</b>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		CB Buyer's Catalog Number		
<b>IT113</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>1 AN 1/48</b>
		Identifying number for a product or service		
<b>IT114</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>1 ID 2/2</b>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		IB International Standard Book Number (ISBN)		
<b>IT115</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>1 AN 1/48</b>
		Identifying number for a product or service		
<b>IT116</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>1 ID 2/2</b>
		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		
<b>IT117</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>1 AN 1/48</b>
		Identifying number for a product or service		
<b>IT118</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>1 ID 2/2</b>
		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)		
<b>IT119</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>1 AN 1/48</b>
		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**

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

<b>Segment:</b>	<b>PID</b> <b>Product/Item Description</b>
<b>Position:</b>	0600
<b>Loop:</b>	PID Optional
<b>Level:</b>	Detail
<b>Usage:</b>	Optional
<b>Max Use:</b>	1
<b>Purpose:</b>	To describe a product or process in coded or free-form format
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If PID04 is present, then PID03 is required.</li> <li>2 At least one of PID04 or PID05 is required.</li> <li>3 If PID07 is present, then PID03 is required.</li> <li>4 If PID08 is present, then PID04 is required.</li> <li>5 If PID09 is present, then PID05 is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 Use PID03 to indicate the organization that publishes the code list being referred to.</li> <li>2 PID04 should be used for industry-specific product description codes.</li> <li>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.</li> <li>4 PID09 is used to identify the language being used in PID05.</li> </ol>
<b>Comments:</b>	<ol style="list-style-type: none"> <li>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.</li> <li>2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.</li> <li>3 PID07 specifies the individual code list of the agency specified in PID03.</li> </ol>
<b>Notes:</b>	<p>If the item cannot be identified based on UPC, AAFES may elect to receive an item description.</p> <p>AAFES will only use one PID segment per line (IT1).</p>

**Data Element Summary**

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

- 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**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
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	

**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.	Data	Attributes		
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	SAC01	248	Allowance or Charge Indicator	M 1 ID 1/1
		A	Allowance	
		C	Charge	
	SAC02	1300	Service, Promotion, Allowance, or Charge Code	X 1 ID 4/4
		A260	Advertising Allowance	
		A400	Allowance Non-performance	
		A630	Blocking and Bracing Charge	

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B190	Closing & Sealing
B290	Combination
B320	Competitive 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
C300	Discount - Special
C310	Discount
C350	Distributor Discount/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
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

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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
I170	Trade Discount
I310	Truckload Discount
I410	Unsaleable Merchandise Allowance
I530	Volume Discount

<b>R</b>	<b>SAC05</b>	<b>610</b>	<b>Amount</b>	<b>O</b>	<b>1 N2 1/15</b>
			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 extended amount of the IT segments including any SAC segments.

**Data Element Summary**

Ref.	Data Des.	Element	Name	Attributes		
				M	1	N2 1/15
M	TDS01	610	<b>Amount</b>	M	1	N2 1/15
			Monetary amount			
			Total Invoice Amount			
TDS02	610	<b>Amount</b>	O	1	N2 1/15	
		Monetary amount				
		Amount subject to terms discount.				
TDS03	610	<b>Amount</b>	O	1	N2 1/15	
		Monetary amount				
		Discount amount due.				
TDS04	610	<b>Amount</b>	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.	Data	Attributes	
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>ID</u>
M	SAC01	248 Allowance or Charge Indicator	M 1 ID 1/1
		A Allowance	
		C Charge	
	SAC02	1300 Service, Promotion, Allowance, or Charge Code	X 1 ID 4/4
		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
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
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
H630	Tax - City Sales Tax (Only)
H640	Tax - Excise Tax - Destination
H650	Tax - Excise Tax - Origin
H660	Tax - Federal Excise Tax, FET



**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**

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

**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**

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