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810 Invoice

Functional Group=IN

Purpose: 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.

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	ST	Transaction Set Header	M	1			Must use
020	BIG	Beginning Segment for Invoice	M	1			Must use
030	NTE	Note/Special Instruction	O	100			Used
050	REF	Reference Identification	M	12			Must use
LOOP ID - N1					**200**		
070	N1	Name	M	1			Must use
090	N3	Address Information	O	2			Used
100	N4	Geographic Location	M	1			Must use
130	ITD	Terms of Sale/Deferred Terms of Sale	M	>1			Must use
140	DTM	Date/Time Reference	M	10			Must use
150	FOB	F.O.B. Related Instructions	O	1			Must use

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - IT1					**200000**		
010	IT1	Baseline Item Data (Invoice)	M	1			Must use
060	PID	Product/Item Description	M	1			Must use
180	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	TDS	Total Monetary Value Summary	M	1			Must use
030	CAD	Carrier Detail	M	1			Must use
LOOP ID - SAC					**25**		
040	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
LOOP ID - ISS					**>1**		
060	ISS	Invoice Shipment Summary	M	1			Must use
070	CTT	Transaction Totals	M	1		N3/070	Must use
080	SE	Transaction Set Trailer	M	1			Must use

Notes:

3/070   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.

ST Transaction Set Header

<table>
<tr><td>Pos: 010</td><td>Max: 1</td></tr>
<tr><td colspan="2">Heading - Mandatory</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 2</td></tr>
</table>

User Option (Usage): Must use

Purpose: To indicate the start of a transaction set and to assign a control number

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST01	143	**Transaction Set Identifier Code**	M	ID	3/3	Must use

Description: Code uniquely identifying a Transaction Set

CodeList Summary (Total Codes: 298, Included: 1)

Code	Name
810	Invoice

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST02	329	**Transaction Set Control Number**	M	AN	4/9	Must use

Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Semantics:

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).

BIG Beginning Segment for Invoice

Pos: 020	**Max: 1**
Heading - Mandatory	
Loop: N/A	**Elements: 4**

User Option (Usage): Must use

Purpose: To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BIG01	373	**Date**	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD				
BIG02	76	**Invoice Number**	M	AN	1/22	Must use
		Description: Identifying number assigned by issuer				
BIG03	373	**Date**	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD				
BIG04	324	**Purchase Order Number**	M	AN	1/22	Must use
		Description: Identifying number for Purchase Order assigned by the orderer/purchaser				

Semantics:

1. BIG01 is the invoice issue date.
2. BIG03 is the date assigned by the purchaser to purchase order.

Comments:

1. BIG04 is used to match the invoice with the UNFI Purchase Order therefore BIG04 is mandatory.

NTE   Note/Special Instruction

Pos: 030	**Max: 100**
Heading - Optional	
Loop: N/A	**Elements: 2**

User Option (Usage): Used

Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
NTE01	363	**Note Reference Code**	O	ID	3/3	Used

Description: Code identifying the functional area or purpose for which the note applies

CodeList Summary (Total Codes: 241, Included: 1)

Code	Name
GEN	Entire Transaction Set

Ref	Id	Element Name	Req	Type	Min/Max	Usage
NTE02	352	**Description**	O	AN	1/80	Used

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

Comments:

1. The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

REF Reference Identification

Pos: 050   Max: 12
Heading - Mandatory
Loop: N/A   Elements: 2

User Option (Usage): Must use
Purpose: To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

CodeList Summary (Total Codes: 1503, Included: 1)

Code	Name
VR	Vendor ID Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	X	AN	1/30	Must use

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

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

Semantics:

1. REF01 of VR is mandatory.
2. When REF01 is VR then REF02 is the Vender ID Number assigned to a Vendor in the UNFI system. This is the same value passed on the EDI Purchase Order in the BEG06 segment. If the Purchase Order is not received via EDI then the data needs to be captured from the hard copy of the Purchase Order.

Loop Name

Pos: 070	Repeat: 200
Mandatory	
Loop: N1	**Elements: N/A**

User Option (Usage): Must use

Purpose: To identify a party by type of organization, name, and code

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
070	N1	Name	M	1		Must use
090	N3	Address Information	O	2		Used
100	N4	Geographic Location	M	1		Must use

N1   Name

	Pos: 070	Max: 1
	Heading - Mandatory	
	Loop: N1	**Elements: 4**

User Option (Usage): Must use

Purpose: To identify a party by type of organization, name, and code

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	**Entity Identifier Code**	M	ID	2/3	Must use

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

CodeList Summary (Total Codes: 1312, Included: 3)

<u>Code</u>	<u>Name</u>
BT	Bill-to-Party
RE	Party to receive commercial invoice remittance
ST	Ship To

N102	93	**Name**	X	AN	1/60	Must use

Description: Free-form name

N103	66	**Identification Code Qualifier**	X	ID	1/2	Must use

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

CodeList Summary (Total Codes: 215, Included: 1)

<u>Code</u>	<u>Name</u>
9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix

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

Description: Code identifying a party or other code

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

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.
3. N104 is mandatory and must be the DUNS+4. The UNFI Specialty Distribution Services (Millbrook Distribution
4. Services) Distribution Center DUNS and addresses can be found on the web.

N3 Address Information

<table>
<tr><td>Pos: 090</td><td style="text-align:right">Max: 2</td></tr>
<tr><td colspan="2" style="text-align:center">Heading - Optional</td></tr>
<tr><td>Loop: N1</td><td style="text-align:right">Elements: 2</td></tr>
</table>

User Option (Usage): Used

Purpose: To specify the location of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N301	166	**Address Information**	M	AN	1/55	Must use
		Description: Address information				
N302	166	**Address Information**	O	AN	1/55	Used
		Description: Address information				

N4 Geographic Location

Pos: 100	Max: 1
Heading - Mandatory	
Loop: N1	**Elements: 4**

User Option (Usage): Must use

Purpose: To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name**	M	AN	2/30	Must use

Description: Free-form text for city name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N402	156	**State or Province Code**	M	ID	2/2	Must use

Description: Code (Standard State/Province) as defined by appropriate government agency

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N403	116	**Postal Code**	M	ID	3/15	Must use

Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N404	26	**Country Code**	O	ID	2/3	Used

Description: Code identifying the country

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

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.

ITD Terms of Sale/Deferred Terms of Sale

Pos: 130	**Max: >1**
Heading - Mandatory	
Loop: N/A	**Elements: 9**

User Option (Usage): Must use

Purpose: To specify terms of sale

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD01	336	**Terms Type Code**	M	ID	2/2	Must use

Description: Code identifying type of payment terms

CodeList Summary (Total Codes: 65, Included: 1)

Code	Name
01	Basic

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD02	333	**Terms Basis Date Code**	M	ID	1/2	Must use

Description: Code identifying the beginning of the terms period

CodeList Summary (Total Codes: 17, Included: 1)

Code	Name
3	Invoice Date

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD03	338	**Terms Discount Percent**	M	R	1/6	Must use

Description: Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD04	370	**Terms Discount Due Date**	M	DT	8/8	Must use

Description: Date payment is due if discount is to be earned expressed in format CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD05	351	**Terms Discount Days Due**	M	N0	1/3	Must use

Description: Number of days in the terms discount period by which payment is due if terms discount is earned

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD06	446	**Terms Net Due Date**	M	DT	8/8	Must use

Description: Date when total invoice amount becomes due expressed in format CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD07	386	**Terms Net Days**	M	N0	1/3	Must use

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD08	362	**Terms Discount Amount**	O	N2	1/10	Must use

Description: Total amount of terms discount

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD12	352	**Description**	M	AN	1/80	Must use

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

Syntax Rules:

1. L03040513 - If ITD03 is present, then at least one of ITD04, ITD05 or ITD13 is required.

2. L08040513 - If ITD08 is present, then at least one of ITD04, ITD05 or ITD13 is required.
3. L091011 - If ITD09 is present, then at least one of ITD10 or ITD11 is required.

Semantics:

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.

DTM Date/Time Reference

Pos: 140	Max: 10
Heading - Mandatory	
Loop: N/A	**Elements: 2**

User Option (Usage): Must use

Purpose: To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM01	374	**Date/Time Qualifier**	M	ID	3/3	Must use

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

CodeList Summary (Total Codes: 1112, Included: 2)

Code	Name
002	Delivery Requested
011	Shipped

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM02	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.

Comments:

1. Both the date shipped and date requested are mandatory.

FOB F.O.B. Related Instructions

Pos: 150	**Max: 1**
Heading - Optional	
Loop: N/A	**Elements: 3**

User Option (Usage): Must use

Purpose: To specify transportation instructions relating to shipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
FOB01	146	**Shipment Method of Payment**	M	ID	2/2	Must use

Description: Code identifying payment terms for transportation charges

CodeList Summary (Total Codes: 28, Included: 1)

Code	Name
PB	Customer Pick-up/Backhaul

Ref	Id	Element Name	Req	Type	Min/Max	Usage
FOB02	309	**Location Qualifier**	M	ID	1/2	Must use

Description: Code identifying type of location

CodeList Summary (Total Codes: 172, Included: 1)

Code	Name
OR	Origin (Shipping Point)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
FOB03	352	**Description**	O	AN	1/80	Used

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

Syntax Rules:

1. C0302 - If FOB03 is present, then FOB02 is required.

Semantics:

1. FOB01 indicates which party will pay the carrier.
2. FOB02 is the code specifying transportation responsibility location.

Loop Baseline Item Data (Invoice)

Pos: 010	Repeat: 200000
Optional	
Loop: IT1	**Elements: N/A**

User Option (Usage): Must use

Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
010	IT1	Baseline Item Data (Invoice)	M	1		Must use
060	PID	Product/Item Description	M	1		Must use
180	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used

IT1   Baseline Item Data (Invoice)

Pos: 010	**Max: 1**
Detail - Mandatory	
Loop: IT1	**Elements: 7**

User Option (Usage): Must use

Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IT102	358	**Quantity Invoiced**	M	R	1/10	Must use

Description: Number of units invoiced (supplier units)

| IT103 | 355 | **Unit or Basis for Measurement Code** | M | ID | 2/2 | Must use |

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

CodeList Summary (Total Codes: 794, Included: 5)

Code	Name
CA	Case
DZ	Dozen
EA	Each
GS	Gross
LB	Pound

| IT104 | 212 | **Unit Price** | M | R | 1/17 | Must use |

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

| IT106 | 235 | **Product/Service ID Qualifier** | M | ID | 2/2 | Must use |

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

CodeList Summary (Total Codes: 477, Included: 2)

Code	Name
UA	U.P.C./EAN Case Code (2-5-5)
UI	U.P.C. Consumer Package Code (1-5-5)

| IT107 | 234 | **Product/Service ID** | M | AN | 1/48 | Must use |

Description: Identifying number for a product or service

| IT108 | 235 | **Product/Service ID Qualifier** | M | ID | 2/2 | Must use |

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

CodeList Summary (Total Codes: 477, Included: 2)

Code	Name
MF	Manufacturer
MG	Manufacturer's Part Number

| IT109 | 234 | **Product/Service ID** | M | AN | 1/48 | Must use |

Description: Identifying number for a product or service

Syntax Rules:

1. P020304 - If either IT102, IT103 or IT104 are present, then the others are required.
2. P0607 - If either IT106 or IT107 is present, then the other is required.
3. P0809 - If either IT108 or IT109 is present, then the other is required.

Semantics:

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.

PID Product/Item Description

Pos: 060	Max: 1
Detail - Mandatory	
Loop: IT1	**Elements: 2**

User Option (Usage): Must use

Purpose: To describe a product or process in coded or free-form format

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID01	349	**Item Description Type**	M	ID	1/1	Must use

Description: Code indicating the format of a description

CodeList Summary (Total Codes: 3, Included: 1)

Code	Name
F	Free-form

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID05	352	**Description**	M	AN	1/80	Must use

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

Comments:

1. If PID01 equals "F", then PID05 is used.

SAC Service, Promotion, Allowance, or Charge Information

Pos: 180	Max: 1
Detail - Optional	
Loop: IT1	**Elements: 5**

User Option (Usage): Used

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC01	248	**Allowance or Charge Indicator**	M	ID	1/1	Must use

Description: Code which indicates an allowance or charge for the service specified

CodeList Summary (Total Codes: 7, Included: 1)

Code	Name
A	Allowance

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	M	ID	4/4	Must use

Description: Code identifying the service, promotion, allowance, or charge

CodeList Summary (Total Codes: 1053, Included: 1)

Code	Name
F800	Promotional Allowance

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC05	610	**Amount**	M	N2	1/15	Must use

Description: Monetary amount

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC08	118	**Rate**	O	R	1/9	Must use

Description: Rate expressed in the standard monetary denomination for the currency specified

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC15	352	**Description**	M	AN	1/80	Must use

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

Syntax Rules:

1. R0203 - At least one of SAC02 or SAC03 is required.

Semantics:

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.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
4. SAC08 is the allowance or charge rate per unit.

TDS Total Monetary Value Summary

Pos: 010	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 4

User Option (Usage): Must use
Purpose: To specify the total invoice discounts and amounts

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TDS01	610	**Amount**	M	N2	1/15	Must use
		Description: Monetary amount				
TDS02	610	**Amount**	M	N2	1/15	Must use
		Description: Monetary amount				
TDS03	610	**Amount**	O	N2	1/15	Used
		Description: Monetary amount				
TDS04	610	**Amount**	O	N2	1/15	Used
		Description: Monetary amount				

Semantics:

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.
2. TDS02 is the Dollar Amount Subject to Discount.
3. TDS02 is required if it is not equal to TDS01.

CAD   Carrier Detail

<table>
<tr><td>Pos: 030</td><td>Max: 1</td></tr>
<tr><td colspan="2">Summary - Mandatory</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 6</td></tr>
</table>

User Option (Usage): Must use

Purpose: To specify transportation details for the transaction

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CAD01	91	**Transportation Method/Type Code**	M	ID	1/2	Must use

Description: Code specifying the method or type of transportation for the shipment

CodeList Summary (Total Codes: 71, Included: 1)

Code	Name
M	Motor (Common Carrier)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CAD02	206	**Equipment Initial**	O	AN	1/4	Used

Description: Prefix or alphabetic part of an equipment unit's identifying number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CAD05	387	**Routing**	M	AN	1/35	Must use

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CAD06	368	**Shipment/Order Status Code**	O	ID	2/2	Used

Description: Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CAD07	128	**Reference Identification Qualifier**	O	ID	2/3	Used

Description: Code qualifying the Reference Identification

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CAD08	127	**Reference Identification**	X	AN	1/30	Used

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

Syntax Rules:

1. R0504 - At least one of CAD05 or CAD04 is required.
2. C0708 - If CAD07 is present, then CAD08 is required.

Loop Service, Promotion, Allowance, or Charge Information	Pos: 040 Repeat: 25
	Optional
	Loop: SAC Elements: N/A

User Option (Usage): Used

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
040	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used

SAC Service, Promotion, Allowance, or Charge Information

Pos: 040   Max: 1
Summary - Optional
Loop: SAC   Elements: 13

User Option (Usage): Used

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC01	248	**Allowance or Charge Indicator**	M	ID	1/1	Must use

Description: Code which indicates an allowance or charge for the service specified

CodeList Summary (Total Codes: 7, Included: 2)

Code	Name
A	Allowance
C	Charge

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	M	ID	4/4	Must use

Description: Code identifying the service, promotion, allowance, or charge

CodeList Summary (Total Codes: 1053, Included: 9)

Code	Name
A260	Advertising Allowance
A400	Allowance Non-performance
D240	Freight
D260	Fuel Charge
F180	Pallet
F340	Pick/Up
F800	Promotional Allowance
H000	Special Allowance
H560	Swell

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC05	610	**Amount**	M	N2	1/15	Must use

Description: Monetary amount

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC06	378	**Allowance/Charge Percent Qualifier**	X	ID	1/1	Used

Description: Code indicating on what basis allowance or charge percent is calculated

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC07	332	**Percent**	X	R	1/6	Used

Description: Percent expressed as a percent

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC08	118	**Rate**	O	R	1/9	Used

Description: Rate expressed in the standard monetary denomination for the currency specified

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC09	355	**Unit or Basis for Measurement Code**	X	ID	2/2	Used

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				

CodeList Summary (Total Codes: 794, Included: 3)

Code	**Name**
CA	Case
DZ	Dozen
EA	Each

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC10	380	**Quantity**	X	R	1/15	Used

Description: Numeric value of quantity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC11	380	**Quantity**	O	R	1/15	Used

Description: Numeric value of quantity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC12	331	**Allowance or Charge Method of Handling Code**	M	ID	2/2	Must use

Description: Code indicating method of handling for an allowance or charge

CodeList Summary (Total Codes: 22, Included: 2)

Code	**Name**
01	Bill Back
02	Off Invoice

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC13	127	**Reference Identification**	X	AN	1/30	Used

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC14	770	**Option Number**	O	AN	1/20	Used

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC15	352	**Description**	M	AN	1/80	Must use

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

Syntax Rules:

1. R0203 - At least one of SAC02 or SAC03 is required.
2. P0304 - If either SAC03 or SAC04 is present, then the other is required.
3. P0607 - If either SAC06 or SAC07 is present, then the other is required.
4. P0910 - If either SAC09 or SAC10 is present, then the other is required.
5. C1110 - If SAC11 is present, then SAC10 is required.
6. L130204 - If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7. C1413 - If SAC14 is present, then SAC13 is required.
8. C1615 - If SAC16 is present, then SAC15 is required.

Semantics:

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.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.

4. SAC08 is the allowance or charge rate per unit.

5. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.

6. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.

7. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.

8. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.

9. 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.

Loop Invoice Shipment Summary

Pos: 060	**Repeat: >1**
Mandatory	
Loop: ISS	**Elements: N/A**

User Option (Usage): Must use

Purpose: To specify summary details of total items shipped in terms of quantity, weight, and volume

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
060	ISS	Invoice Shipment Summary	M	1		Must use

ISS Invoice Shipment Summary

<table>
<tr><td>Pos: 060</td><td>Max: 1</td></tr>
<tr><td colspan="2">Summary - Mandatory</td></tr>
<tr><td>Loop: ISS</td><td>Elements: 4</td></tr>
</table>

User Option (Usage): Must use

Purpose: To specify summary details of total items shipped in terms of quantity, weight, and volume

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISS01	382	**Number of Units Shipped**	M	R	1/10	Must use

Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set

| ISS02 | 355 | **Unit or Basis for Measurement Code** | M | ID | 2/2 | Must use |

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

CodeList Summary (Total Codes: 794, Included: 4)

Code	Name
CA	Case
DZ	Dozen
EA	Each
GS	Gross

| ISS03 | 81 | **Weight** | X | R | 1/10 | Must use |

Description: Numeric value of weight

| ISS04 | 355 | **Unit or Basis for Measurement Code** | X | ID | 2/2 | Must use |

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

CodeList Summary (Total Codes: 794, Included: 1)

Code	Name
LB	Pound

Syntax Rules:

1. R010305 - At least one of ISS01, ISS03 or ISS05 is required.
2. P0102 - If either ISS01 or ISS02 is present, then the other is required.
3. P0304 - If either ISS03 or ISS04 is present, then the other is required.
4. P0506 - If either ISS05 or ISS06 is present, then the other is required.

Semantics:

1. ISS07 is the quantity of third party pallets.
2. ISS08 is the gross weight of third party pallets in pounds.

CTT Transaction Totals

User Option (Usage): Must use

Purpose: To transmit a hash total for a specific element in the transaction set

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTT01	354	**Number of Line Items**	M	N0	1/6	Must use

Description: Total number of line items in the transaction set

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTT02	347	**Hash Total**	O	R	1/10	Used

Description: Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed.   .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. --------- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.

Syntax Rules:

1. P0304 - If either CTT03 or CTT04 is present, then the other is required.
2. P0506 - If either CTT05 or CTT06 is present, then the other is required.

Comments:

1. This segment is intended to provide hash totals to validate transaction completeness and correctness.

SE Transaction Set Trailer

Pos: 080	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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)

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE01	96	**Number of Included Segments**	M	N0	1/10	Must use

Description: Total number of segments included in a transaction set including ST and SE segments

SE02	329	**Transaction Set Control Number**	M	AN	4/9	Must use

Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Comments:

1. SE is the last segment of each transaction set.