

# Core-Mark 810 Invoice

X12/V5010/810: 810 Invoice

<b>Author:</b>	<b>SPS Commerce</b>
<b>Company:</b>	<b>Core-Mark</b>
<b>Publication:</b>	<b>4/30/2024</b>
<b>Modified:</b>	<b>4/30/2024</b>

# 810 Invoice

Functional Group=IN

**Purpose:** This X12 Transaction Set 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.

## General Usage:

**Invoice (810)**– Core-Mark is requiring suppliers to provide electronic Invoices for all orders shipped. This information will be used to automate the receipt of invoices, use the three way matching functionality against the Inventory receipt and Purchase order and apply the invoice into their accounts payable system for timely payments to the suppliers. The suppliers are to create an invoice per single PO.

## Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0100	ST	Transaction Set Header	M	1			Must use
0200	BIG	Beginning Segment for Invoice	M	1			Must use
0500	REF	Reference Information	M	4			Must use
0600	PER	Administrative Communications Contact	O	1			Used
<b>LOOP ID - N1</b>					<b>3</b>		
0700	N1	Party Identification	M	1			Must use
0800	N2	Additional Name Information	O	1			Used
0900	N3	Party Location	M	2			Must use
1000	N4	Geographic Location	M	1			Must use
1300	ITD	Terms of Sale/Deferred Terms of Sale	O	1			Used
1400	DTM	Date/Time Reference	M	2			Must use
1500	FOB	F.O.B. Related Instructions	M	1			Must use
<b>LOOP ID - N9</b>					<b>1</b>		
2400	N9	Extended Reference Information	C	1			Used
2500	MSG	Message Text	C	1			Used

## Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
<b>LOOP ID - IT1</b>					<b>200000</b>		
0100	IT1	Baseline Item Data (Invoice)	M	1			Must use
0300	IT3	Additional Item Data	C	1			Used
0500	CTP	Pricing Information	M	1			Must use
<b>LOOP ID - PID</b>					<b>2</b>		
0600	PID	Product/Item Description	M	1			Must use
1000	PO4	Item Physical Details	O	1			Used

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
<b><u>LOOP ID - SAC</u></b>					<b><u>25</u></b>		
1800	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used

**Summary:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
0100	TDS	Total Monetary Value Summary	M	1			Must use
0200	TXI	Tax Information	O	10			Used
<b><u>LOOP ID - SAC</u></b>					<b><u>25</u></b>		
0400	SAC	Service, Promotion, Allowance, or Charge Information	M	1			Must use
<b><u>LOOP ID - ISS</u></b>					<b><u>1</u></b>		
0600	ISS	Invoice Shipment Summary	M	1			Must use
0700	CTT	Transaction Totals	O	1		N3/0700	Used
0800	SE	Transaction Set Trailer	M	1			Must use

**Notes:**

3/0700 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.

# ST Transaction Set Header

Pos: 0100	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

**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: 318, Included: 1)

**Code Name**

810 Invoice

ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
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**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) 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. When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.

# BIG Beginning Segment for Invoice

Pos: 0200	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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BIG01	373	Date	M	DT	8/8	Must use
<b>Description:</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year <b>User Note 1:</b> <i>Invoice Date</i>						
BIG02	76	Invoice Number	M	AN	1/22	Must use
<b>Description:</b> Identifying number assigned by issuer <b>User Note 1:</b> <i>If the order was sent with Core-Mark Segment 'Core-Mark Iowa' then the invoice number min/max = 1/10  850: REF02 (REF01 = 06)  875: N902 (N901 = 06)</i>						
BIG03	373	Date	M	DT	8/8	Must use
<b>Description:</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year <b>User Note 1:</b> <i>Purchase Order Date</i>						
BIG04	324	Purchase Order Number	M	AN	1/22	Must use
<b>Description:</b> 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.
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.

# REF Reference Information

Pos: 0500	Max: 4
Heading - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

**Purpose:** To specify identifying information

## User Note 1:

One of Bill of Lading Number (REF01 = BM), CarrierProNumber (REF01 = CN) or Tracking Number (2I) is recommended. (Both a carrier pro number and tracking number should not be sent).

## 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: 1731, Included: 6)

### Code Name

19 Division Identifier

#### User Note 1:

Optional - Recommended to send if provided on the Purchase Order

Core-Mark assigned division number

2I Tracking Number

BM Bill of Lading Number

CN Carrier's Reference Number (PRO/Invoice)

CO Customer Order Number

#### User Note 1:

Required if present on the Purchase Order

IA Internal Vendor Number

#### User Note 1:

Mandatory - Core-Mark assigned Vendor ID

REF02	127	Reference Identification	M	AN	1/50	Must use
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**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. REF04 contains data relating to the value cited in REF02.

# PER Administrative Communications Contact

Pos: 0600	Max: 1
Heading - Optional	
Loop: N/A	Elements: 6

**User Option (Usage):** Used

**Purpose:** To identify a person or office to whom administrative communications should be directed

## 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>
PER01	366	<b>Contact Function Code</b>	M	ID	2/2	Must use
<b>Description:</b> Code identifying the major duty or responsibility of the person or group named						
<b>CodeList Summary</b> (Total Codes: 238, Included: 1)						
<b><u>Code</u> <u>Name</u></b>						
BI Bill Inquiry Contact						
PER02	93	<b>Name</b>	O	AN	1/60	Used
<b>Description:</b> Free-form name						
PER03	365	<b>Communication Number Qualifier</b>	O	ID	2/2	Used
<b>Description:</b> Code identifying the type of communication number						
<b>CodeList Summary</b> (Total Codes: 42, Included: 2)						
<b><u>Code</u> <u>Name</u></b>						
EM Electronic Mail						
TE Telephone						
PER04	364	<b>Communication Number</b>	O	AN	1/256	Used
<b>Description:</b> Complete communications number including country or area code when applicable						
PER05	365	<b>Communication Number Qualifier</b>	O	ID	2/2	Used
<b>Description:</b> Code identifying the type of communication number						
<b>CodeList Summary</b> (Total Codes: 42, Included: 2)						
<b><u>Code</u> <u>Name</u></b>						
EM Electronic Mail						
TE Telephone						
PER06	364	<b>Communication Number</b>	O	AN	1/256	Used
<b>Description:</b> Complete communications number including country or area code when applicable						

## Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.

# Loop Party Identification

Pos: 0700Repeat: 3

Mandatory

Loop: N1Elements: 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
0700	N1	Party Identification	M	1		Must use
0800	N2	Additional Name Information	O	1		Used
0900	N3	Party Location	M	2		Must use
1000	N4	Geographic Location	M	1		Must use



# N1 Party Identification

Pos: 0700	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

## User Note 1:

*Only one repetition of each N101 qualifier is allowed.*

## Element Summary:

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

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

**User Note 1:** All three address loops (RI, ST, BT) are required.

**CodeList Summary** (Total Codes: 1500, Included: 3)

### Code Name

BT Bill-to-Party

#### **User Note 1:**

*Mandatory*

RI Remit To

#### **User Note 1:**

*Mandatory*

ST Ship To

#### **User Note 1:**

*Mandatory*

N102	93	Name	M	AN	1/60	Must use
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**Description:** Free-form name

N103	66	Identification Code Qualifier	X	ID	1/2	Used
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**Description:** Code designating the system/method of code structure used for Identification Code (67)

**User Note 1:** Return if provided on the Purchase Order

*Required when N101 = BT*

**CodeList Summary** (Total Codes: 241, Included: 2)

### Code Name

9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix

92 Assigned by Buyer or Buyer's Agent

N104	67	Identification Code	X	AN	2/80	Used
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**Description:** Code identifying a party or other code

**User Note 1:** Return if provided on the Purchase Order

*Required when N101 = BT*

**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.

N2

Additional Name Information

Pos: 0800

Max: 1

Heading - Optional

Loop: N1

Elements: 1

User Option (Usage): Used  
Purpose: To specify additional names

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>
N201	93	Name	M	AN	1/60	Must use
Description: Free-form name						

# N3 Party Location

Pos: 0900	Max: 2
Heading - Mandatory	
Loop: N1	Elements: 2

User Option (Usage): Must use  
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: 1000	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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	<b>City Name</b>	M	AN	2/30	Must use
		<b>Description:</b> Free-form text for city name				
N402	156	<b>State or Province Code</b>	M	ID	2/2	Must use
		<b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency				
N403	116	<b>Postal Code</b>	M	ID	3/15	Must use
		<b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	<b>Country Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code identifying the country				

## Syntax Rules:

1. E0207 - Only one of N402 or N407 may be present.
2. C0605 - If N406 is present, then N405 is required.
3. C0704 - If N407 is present, then N404 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: 1300	Max: 1
Heading - Optional	
Loop: N/A	Elements: 9

**User Option (Usage):** Used

**Purpose:** To specify terms of sale

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD01	336	Terms Type Code	O	ID	2/2	Used

**Description:** Code identifying type of payment terms

**CodeList Summary** (Total Codes: 77, Included: 1)

**Code Name**

01 Basic

ITD02	333	Terms Basis Date Code	O	ID	1/2	Used
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**Description:** Code identifying the beginning of the terms period

**CodeList Summary** (Total Codes: 17, Included: 3)

**Code Name**

1 Ship Date

2 Delivery Date

3 Invoice Date

ITD03	338	Terms Discount Percent	O	R	1/6	Used
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**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

ITD04	370	Terms Discount Due Date	X	DT	8/8	Used
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**Description:** Date payment is due if discount is to be earned expressed in format CCYYMMDD where CC represents the first two digits of the calendar year

ITD05	351	Terms Discount Days Due	C	N0	1/3	Used
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**Description:** Number of days in the terms discount period by which payment is due if terms discount is earned

**User Note 1:** If either ITD03 or ITD08 is present, ITD05 is required

ITD06	446	Terms Net Due Date	O	DT	8/8	Used
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**Description:** Date when total invoice amount becomes due expressed in format CCYYMMDD where CC represents the first two digits of the calendar year

ITD07	386	Terms Net Days	O	N0	1/3	Used
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**Description:** Number of days until total invoice amount is due (discount not applicable)

ITD08	362	Terms Discount Amount	O	N2	1/10	Used
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**Description:** Total amount of terms discount

ITD12	352	Description	M	AN	1/80	Must use
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**Description:** A free-form description to clarify the related data elements and their content

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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**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: 1400	Max: 2
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: 1280, Included: 2)

**Code Name**

011 Shipped

**User Note 1:**

*Mandatory*

017 Estimated Delivery

**User Note 1:**

*Optional*

DTM02	373	Date	M	DT	8/8	Must use
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**Description:** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

## Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.



# FOB F.O.B. Related Instructions

Pos: 1500	Max: 1
Heading - Mandatory	
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: 31, Included: 3)

### Code Name

CC Collect  
PB Customer Pickup/Backhaul  
PP Prepaid (by Seller)

FOB02	309	Location Qualifier	X	ID	1/2	Used
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**Description:** Code identifying type of location

**CodeList Summary** (Total Codes: 184, Included: 2)

### Code Name

DE Destination (Shipping)  
OR Origin (Shipping Point)

FOB03	352	Description	O	AN	1/80	Used
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**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.
2. C0405 - If FOB04 is present, then FOB05 is required.
3. C0706 - If FOB07 is present, then FOB06 is required.
4. C0809 - If FOB08 is present, then FOB09 is required.

## Semantics:

1. FOB01 indicates which party will pay the carrier.
2. FOB02 is the code specifying transportation responsibility location.
3. FOB06 is the code specifying the title passage location.
4. FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

# Loop Extended Reference Information

Pos: 2400	Repeat: 1
Optional	
Loop: N9	Elements: N/A

**User Option (Usage):** Used

**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier

## User Note 1:

*If notes are sent, both N9 and MSG segments are required::*

*N9\*L1\*GEN*

*MSG\*Note Here*

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
2400	N9	Extended Reference Information	C	1		Used
2500	MSG	Message Text	C	1		Used

# N9 Extended Reference Information

Pos: 2400	Max: 1
Heading - Conditional	
Loop: N9	Elements: 2

**User Option (Usage):** Used

**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier

## 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>
N901	128	Reference Identification Qualifier	M	ID	2/3	Must use

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1731, Included: 1)

**Code Name**

L1 Letters or Notes

N902	127	Reference Identification	M	AN	1/50	Must use
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**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

**User Note 1:**

*N902 must contain the following 3 character code to identify the type of note to follow in MSG01.*  
*. GEN: General Note*

## Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is required.

## Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

# MSG Message Text

Pos: 2500	Max: 1
Heading - Conditional	
Loop: N9	Elements: 1

**User Option (Usage):** Used

**Purpose:** To provide a free-form format that allows the transmission of text information

## 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>
MSG01	933	Free-form Message Text	M	AN	1/264	Must use

**Description:** Free-form message text

## Syntax Rules:

1. C0302 - If MSG03 is present, then MSG02 is required.

## Semantics:

1. MSG03 is the number of lines to advance before printing.

## Comments:

1. MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
2. If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.

# Loop Baseline Item Data (Invoice)

Pos: 0100	Repeat: 200000
Mandatory	
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:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
0100	IT1	Baseline Item Data (Invoice)	M	1		Must use
0300	IT3	Additional Item Data	C	1		Used
0500	CTP	Pricing Information	M	1		Must use
0600		Loop PID	M		2	Must use
1000	PO4	Item Physical Details	O	1		Used
1800		Loop SAC	O		25	Used

# IT1 Baseline Item Data (Invoice)

<b>Pos: 0100</b>	<b>Max: 1</b>
<b>Detail - Mandatory</b>	
<b>Loop: IT1</b>	<b>Elements: 13</b>

**User Option (Usage):** Must use

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

## User Note 1:

One of Core-Mark SKU (SK), Vendor Part Number (VN), UPC (UA) or GTIN (UK) must be returned as sent on the Purchase Order

If the order was sent with Core-Mark Segment 'Core-Mark ' then the Core-Mark SKU (SK) must be returned

850: REF02 (REF01 = 06)

875: N902 (N901 = 06)

Recommended to send all part numbers received back on the 810

## 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>																
IT101	350	Assigned Identification	M	AN	1/20	Must use																
Description: Alphanumeric characters assigned for differentiation within a transaction set																						
User Note 1: Return as sent on the Purchase Order																						
IT102	358	Quantity Invoiced	M	R	1/15	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: 844, Included: 7)																						
<table><tr><th>Code</th><th>Name</th></tr><tr><td>BX</td><td>Box</td></tr><tr><td>CA</td><td>Case</td></tr><tr><td>CT</td><td>Carton</td></tr><tr><td>EA</td><td>Each</td></tr><tr><td>KG</td><td>Kilogram</td></tr><tr><td>LB</td><td>Pound</td></tr><tr><td>PK</td><td>Package</td></tr></table>							Code	Name	BX	Box	CA	Case	CT	Carton	EA	Each	KG	Kilogram	LB	Pound	PK	Package
Code	Name																					
BX	Box																					
CA	Case																					
CT	Carton																					
EA	Each																					
KG	Kilogram																					
LB	Pound																					
PK	Package																					
IT104	212	Unit Price	M	R	1/17	Must use																
Description: Price per unit of product, service, commodity, etc.																						
IT105	639	Basis of Unit Price Code	O	ID	2/2	Used																
Description: Code identifying the type of unit price for an item																						
CodeList Summary (Total Codes: 91, Included: 3)																						
<table><tr><th>Code</th><th>Name</th></tr><tr><td>PE</td><td>Price per Each</td></tr><tr><td>PP</td><td>Price per Pound</td></tr><tr><td>UM</td><td>Price per Unit of Measure</td></tr></table>							Code	Name	PE	Price per Each	PP	Price per Pound	UM	Price per Unit of Measure								
Code	Name																					
PE	Price per Each																					
PP	Price per Pound																					
UM	Price per Unit of Measure																					

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: 519, Included: 4)

**Code Name**

SK Stock Keeping Unit (SKU)

**User Note 1:**

*Core-Mark assigned SKU*

UA U.P.C./EAN Case Code (2-5-5)

UK GTIN 14-digit Data Structure

VN Vendor's (Seller's) Item Number

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** X ID 2/2 Used

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

**CodeList Summary** (Total Codes: 519, Included: 4)

**Code Name**

SK Stock Keeping Unit (SKU)

**User Note 1:**

*Core-Mark assigned SKU*

UA U.P.C./EAN Case Code (2-5-5)

UK GTIN 14-digit Data Structure

VN Vendor's (Seller's) Item Number

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

**Description:** Identifying number for a product or service

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

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

**CodeList Summary** (Total Codes: 519, Included: 4)

**Code Name**

SK Stock Keeping Unit (SKU)

**User Note 1:**

*Core-Mark assigned SKU*

UA U.P.C./EAN Case Code (2-5-5)

UK GTIN 14-digit Data Structure

VN Vendor's (Seller's) Item Number

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

**Description:** Identifying number for a product or service

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

**Description:** Code identifying the type/source of the descriptive number used in

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Product/Service ID (234)				
		<b>CodeList Summary</b> (Total Codes: 519, Included: 4)				
		<b><u>Code</u></b>		<b><u>Name</u></b>		
		SK		Stock Keeping Unit (SKU)		
		<b>User Note 1:</b>				
		Core-Mark assigned SKU				
		UA		U.P.C./EAN Case Code (2-5-5)		
		UK		GTIN 14-digit Data Structure		
		VN		Vendor's (Seller's) Item Number		

IT113	234	<b>Product/Service ID</b>	X	AN	1/48	Used
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**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.
4. P1011 - If either IT110 or IT111 is present, then the other is required.
5. P1213 - If either IT112 or IT113 is present, then the other is required.
6. P1415 - If either IT114 or IT115 is present, then the other is required.
7. P1617 - If either IT116 or IT117 is present, then the other is required.
8. P1819 - If either IT118 or IT119 is present, then the other is required.
9. P2021 - If either IT120 or IT121 is present, then the other is required.
10. P2223 - If either IT122 or IT123 is present, then the other is required.
11. P2425 - If either IT124 or IT125 is present, then the other is required.

### Semantics:

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.



# IT3 Additional Item Data

<b>Pos: 0300</b>	<b>Max: 1</b>
<b>Detail - Conditional</b>	
<b>Loop: IT1</b>	<b>Elements: 2</b>

**User Option (Usage):** Used

**Purpose:** To specify additional item details relating to variations between ordered and shipped quantities, or to specify alternate units of measures and quantities

## User Note 1:

*If IT103 = LB or KG, then the IT3 segment is required.*

## 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>												
IT301	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																		
IT302	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: 844, Included: 5)																		
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>BX</td><td>Box</td></tr><tr><td>CA</td><td>Case</td></tr><tr><td>CT</td><td>Carton</td></tr><tr><td>EA</td><td>Each</td></tr><tr><td>PK</td><td>Package</td></tr></table>							<u>Code</u>	<u>Name</u>	BX	Box	CA	Case	CT	Carton	EA	Each	PK	Package
<u>Code</u>	<u>Name</u>																	
BX	Box																	
CA	Case																	
CT	Carton																	
EA	Each																	
PK	Package																	

## Syntax Rules:

1. P0102 - If either IT301 or IT302 is present, then the other is required.
2. R01030405 - At least one of IT301, IT303, IT304 or IT305 is required.

# CTP Pricing Information

Pos: 0500	Max: 1
Detail - Mandatory	
Loop: IT1	Elements: 1

**User Option (Usage):** Must use

**Purpose:** To specify pricing information

## 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>
CTP08	782	<b>Monetary Amount</b>	M	R	1/18	Must use

**Description:** Monetary amount

**User Note 1:** *Extended Item Total (price\*qty)*

## Syntax Rules:

1. P0405 - If either CTP04 or CTP05 is present, then the other is required.
2. C0607 - If CTP06 is present, then CTP07 is required.
3. C0902 - If CTP09 is present, then CTP02 is required.
4. C1002 - If CTP10 is present, then CTP02 is required.
5. C1103 - If CTP11 is present, then CTP03 is required.

## Semantics:

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.
2. See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07.

# Loop Product/Item Description

Pos: 0600	Repeat: 2
Mandatory	
Loop: PID	Elements: N/A

**User Option (Usage):** Must use

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

## User Note 1:

*One iteration of the PID for the Product Description (PID05, when PID01=F and PID02=08) is required.*

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
0600	PID	Product/Item Description	M	1		Must use

# PID Product/Item Description

Pos: 0600	Max: 1
Detail - Mandatory	
Loop: PID	Elements: 3

**User Option (Usage):** Must use

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

## 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>
PID01	349	Item Description Type	M	ID	1/1	Must use
<b>Description:</b> Code indicating the format of a description						
<b>CodeList Summary</b> (Total Codes: 3, Included: 1)						
<b><u>Code</u> <u>Name</u></b>						
F Free-form						
PID02	750	Product/Process Characteristic Code	M	ID	2/3	Must use
<b>Description:</b> Code identifying the general class of a product or process characteristic						
<b>CodeList Summary</b> (Total Codes: 238, Included: 1)						
<b><u>Code</u> <u>Name</u></b>						
08 Product						
PID05	352	Description	M	AN	1/80	Must use
<b>Description:</b> A free-form description to clarify the related data elements and their content						

## Syntax Rules:

1. C0403 - If PID04 is present, then PID03 is required.
2. R0405 - At least one of PID04 or PID05 is required.
3. C0703 - If PID07 is present, then PID03 is required.
4. C0804 - If PID08 is present, then PID04 is required.
5. C0905 - If PID09 is present, then PID05 is required.

## Semantics:

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.

# PO4 Item Physical Details

<b>Pos: 1000</b>	<b>Max: 1</b>
<b>Detail - Optional</b>	
<b>Loop: IT1</b>	<b>Elements: 3</b>

**User Option (Usage):** Used

**Purpose:** To specify the physical qualities, packaging, weights, and dimensions relating to the item

## 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>
PO401	356	<b>Pack</b>	O	N0	1/6	Used
<b>Description:</b> The number of inner containers, or number of eaches if there are no inner containers, per outer container						
PO402	357	<b>Size</b>	X	R	1/8	Used
<b>Description:</b> Size of supplier units in pack						
PO403	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Used
<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
<b>CodeList Summary</b> (Total Codes: 844, Included: 1)						
<b><u>Code</u> <u>Name</u></b>						
EA Each						

## Syntax Rules:

1. P0203 - If either PO402 or PO403 is present, then the other is required.
2. C0506 - If PO405 is present, then PO406 is required.
3. P0607 - If either PO406 or PO407 is present, then the other is required.
4. P0809 - If either PO408 or PO409 is present, then the other is required.
5. C1013 - If PO410 is present, then PO413 is required.
6. C1113 - If PO411 is present, then PO413 is required.
7. C1213 - If PO412 is present, then PO413 is required.
8. L13101112 - If PO413 is present, then at least one of PO410, PO411 or PO412 is required.
9. C1716 - If PO417 is present, then PO416 is required.
10. C1804 - If PO418 is present, then PO404 is required.

## Semantics:

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.

# Loop Service, Promotion, Allowance, or Charge Information

Pos: 1800Repeat: 25OptionalLoop: SACElements: 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	Reg	Max Use	Repeat	Usage
1800	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used

# SAC Service, Promotion, Allowance, or Charge Information

Pos: 1800 Max: 1  
Detail - Optional  
Loop: SAC Elements: 6

**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

## User Note 1:

*If allowance and charges are included on the PO, Core-mark expects those to be included in the invoice.*

## 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

SAC02	1300	Service, Promotion, Allowance, or Charge Code	M	ID	4/4	Must use
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**Description:** Code identifying the service, promotion, allowance, or charge

**CodeList Summary** (Total Codes: 1090, Included: 15)

**Code Name**

A010 Absolute Minimum Charge

**User Note 1:**

*Small Order Charge*

A170 Adjustments

C110 Deposit

**User Note 1:**

*Bottle Fee*

D170 Free Goods

D240 Freight

**User Note 1:**

*Can be used for Freight (interchangeable with I500)*

F050 Other (See related description)

**User Note 1:**

*SAC15 description must be included*

F170 Pallet Exchange Charge

F340 Pick/Up

F670 Price and Marketing Allowance

F800 Promotional Allowance

F810 Promotional Discount

		<b><u>Code</u> <u>Name</u></b>				
		H000 Special Allowance				
		H970 Terms Allowance				
		I250 Transportation Charge (Minimum Rate)				
		I500 Vendor Freight				
SAC05	610	<b>Amount</b>	M	N2	1/15	Must use
		<b>Description:</b> Monetary amount				
SAC08	118	<b>Rate</b>	O	R	1/9	Used
		<b>Description:</b> Rate expressed in the standard monetary denomination for the currency specified				
SAC12	331	<b>Allowance or Charge Method of Handling Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code indicating method of handling for an allowance or charge				
		<b>CodeList Summary</b> (Total Codes: 22, Included: 1)				
		<b><u>Code</u> <u>Name</u></b>				
		02 Off Invoice				
SAC15	352	<b>Description</b>	C	AN	1/80	Used
		<b>Description:</b> A free-form description to clarify the related data elements and their content				
		<b>User Note 1:</b> Required when SAC02 = F050				

## 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. C1413 - If SAC14 is present, then SAC13 is required.
7. C1615 - If SAC16 is present, then SAC15 is required.
8. R0507 - At least one of SAC05 or SAC07 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 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.

# TDS Total Monetary Value Summary

Pos: 0100	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

**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

**User Note 1:** Total Invoice Amount (including charges, less allowances, plus taxes) before terms discount (if discount is applicable).

TDS02	610	Amount	O	N2	1/15	Used
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**Description:** Monetary amount

**User Note 1:** Merchandise Total (does not includes charges/allowances/taxes)

## 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.

# TXI Tax Information

Pos: 0200	Max: 10
Summary - Optional	
Loop: N/A	Elements: 3

**User Option (Usage):** Used

**Purpose:** To specify tax information

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TXI01	963	Tax Type Code	M	ID	2/2	Must use

**Description:** Code specifying the type of tax

**CodeList Summary** (Total Codes: 102, Included: 4)

**Code Name**

BE Harmonized Sales Tax

**User Note 1:**

HST

GS Goods and Services Tax

**User Note 1:**

GST

SP State/Provincial Tax

**User Note 1:**

PST/QST

TX All Taxes

**User Note 1:**

Use for any other applicable taxes

TXI02	782	Monetary Amount	M	R	1/18	Must use
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**Description:** Monetary amount

TXI09	325	Tax Identification Number	C	AN	1/20	Used
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**Description:** Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number

**User Note 1:** Required if TXI01 = BE, GS or SP

## Syntax Rules:

1. R020306 - At least one of TXI02, TXI03 or TXI06 is required.
2. P0405 - If either TXI04 or TXI05 is present, then the other is required.
3. C0803 - If TXI08 is present, then TXI03 is required.

## Semantics:

1. TXI02 is the monetary amount of the tax.
2. TXI03 is the tax percent expressed as a decimal.
3. TXI07 is a code indicating the relationship of the price or amount to the associated segment.

# Loop Service, Promotion, Allowance, or Charge Information

Pos: 0400Repeat: 25  
Optional  
Loop: SACElements: 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	Reg	Max Use	Repeat	Usage
0400	SAC	Service, Promotion, Allowance, or Charge Information	M	1		Must use

# SAC Service, Promotion, Allowance, or Charge Information

Pos: 0400 Max: 1  
Summary - Mandatory  
Loop: SAC Elements: 6

**User Option (Usage):** Must use

**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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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

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: 1090, Included: 15)

### Code Name

A010 Absolute Minimum Charge

#### **User Note 1:**

*Small Order Charge*

A170 Adjustments

C110 Deposit

#### **User Note 1:**

*Bottle Fee*

D170 Free Goods

D240 Freight

#### **User Note 1:**

*Can be used for Freight (interchangeable with I500)*

F050 Other (See related description)

#### **User Note 1:**

*SAC15 description must be included*

F170 Pallet Exchange Charge

F340 Pick/Up

F670 Price and Marketing Allowance

F800 Promotional Allowance

F810 Promotional Discount

H000 Special Allowance

H970 Terms Allowance

I250 Transportation Charge (Minimum Rate)

		<u>Code</u>	<u>Name</u>			
		I500	Vendor Freight			
SAC05	610	<b>Amount</b>	M	N2	1/15	Must use
<b>Description:</b> Monetary amount						
SAC08	118	<b>Rate</b>	O	R	1/9	Used
<b>Description:</b> Rate expressed in the standard monetary denomination for the currency specified						
SAC12	331	<b>Allowance or Charge Method of Handling Code</b>	O	ID	2/2	Used
<b>Description:</b> Code indicating method of handling for an allowance or charge						
<b>CodeList Summary</b> (Total Codes: 22, Included: 1)						
		<u>Code</u>	<u>Name</u>			
		02	Off Invoice			
SAC15	352	<b>Description</b>	C	AN	1/80	Used
<b>Description:</b> A free-form description to clarify the related data elements and their content						
<b>User Note 1:</b> Required when SAC02 = F050						

### 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. C1413 - If SAC14 is present, then SAC13 is required.
7. C1615 - If SAC16 is present, then SAC15 is required.
8. R0507 - At least one of SAC05 or SAC07 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 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.

# Loop Invoice Shipment Summary

Pos: 0600	Repeat: 1
Optional	
Loop: ISS	Elements: N/A

**User Option (Usage):** Used

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

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
0600	ISS	Invoice Shipment Summary	M	1		Must use



# ISS Invoice Shipment Summary

Pos: 0600	Max: 1
Summary - Mandatory	
Loop: ISS	Elements: 4

**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	X	R	1/10	Used

**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	X	ID	2/2	Used
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**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: 844, Included: 6)

### Code Name

CA	Case
EA	Each
KG	Kilogram
LB	Pound
PK	Package
UN	Unit

### **User Note 1:**

*Use if mixed UOM invoice*

ISS03	81	Weight	X	R	1/10	Used
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**Description:** Numeric value of weight

ISS04	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
-------	-----	------------------------------------	---	----	-----	------

**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: 844, 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

Pos: 0700	Max: 1
Summary - Optional	
Loop: N/A	Elements: 1

**User Option (Usage):** Used

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

## 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>
CTT01	354	Number of Line Items	M	N0	1/6	Must use

**Description:** Total number of line items in the transaction set

## 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: 0800	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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	Number of Included Segments	M	N0	1/10	Must use
<b>Description:</b> 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
<b>Description:</b> 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.