

# 810 Invoice

X12/V4030/810: 810 Invoice

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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:**

<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	ST	Transaction Set Header	M	1			Must use
0200	BIG	Beginning Segment for Invoice	M	1			Must use
0500	REF	Reference Identification	O	12			Must use
<b>LOOP ID - N1</b>					<b>200</b>		
0700	N1	Name	O	1			Must use
1300	ITD	Terms of Sale/Deferred Terms of Sale	O	>1			Used
1400	DTM	Date/Time Reference	O	10			Must use
1500	FOB	F.O.B. Related Instructions	O	1			Used
1600	PID	Product/Item Description	O	200			Must use

**Detail:**

<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>LOOP ID - IT1</b>					<b>200000</b>		
0100	IT1	Baseline Item Data (Invoice)	O	1			Must use
0300	IT3	Additional Item Data	O	5			Used
<b>LOOP ID - PID</b>					<b>1000</b>		
0600	PID	Product/Item Description	O	1			Used
1200	REF	Reference Identification	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
0300	CAD	Carrier Detail	O	1			Must use
<b>LOOP ID - SAC</b>					<b>≥1</b>		
0400	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
<b>LOOP ID - ISS</b>					<b>≥1</b>		
0600	ISS	Invoice Shipment Summary	O	1			Must use
0700	CTT	Transaction Totals	O	1		N3/0700	Must use
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.

**User Note 1:**

*JCPenney requires carrier routing and tracking information be present on all invoice documents*

*All JCPenney specific segment and element usage notes can be noted in the 'user option' and 'usage' fields respectively.*

# ST Transaction Set Header

Pos: 0100	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 3

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

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

## 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>
ST01	143	<b>Transaction Set Identifier Code</b>	M	ID	3/3	Must use
<b>Description:</b> Code uniquely identifying a Transaction Set						
<b>All valid standard codes are used. (Total Codes: 314)</b>						
ST02	329	<b>Transaction Set Control Number</b>	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						
ST03	1705	<b>Implementation Convention Reference</b>	O	AN	1/35	Used
<b>Description:</b> Reference assigned to identify Implementation Convention						

## 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.

# 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	<b>Date</b>	M	DT	8/8	Must use
		<b>Description:</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year				
BIG02	76	<b>Invoice Number</b>	M	AN	1/22	Must use
		<b>Description:</b> Identifying number assigned by issuer				
BIG03	373	<b>Date</b>	O	DT	8/8	Must use
		<b>Description:</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year				
BIG04	324	<b>Purchase Order Number</b>	O	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 Identification

Pos: 0500	Max: 12
Heading - Optional	
Loop: N/A	Elements: 2

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

**Purpose:** To specify identifying 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>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1631, Included: 7)

**Code Name**

- 2I Tracking Number
- AE Authorization for Expense (AFE) Number
- BM Bill of Lading Number
- CN Carrier's Reference Number (PRO/Invoice)
- CT Contract Number
- DP Department Number

**User Note 1:**

*mandatory*

- IA Internal Vendor Number

**User Note 1:**

*mandatory*

REF02	127	Reference Identification	X	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:** *One of CarrierPro, Bill of Lading, or Tracking Number is required.*

## 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.

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# Loop Name

Pos: 0700	Repeat: 200
Optional	
Loop: N1	Elements: N/A

**User Option (Usage):** Used

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

## 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>
0700	N1	Name	O	1		Must use



# N1 Name

Pos: 0700	Max: 1
Heading - Optional	
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: 1446, Included: 2)

**Code Name**

BT Bill-to-Party

**User Note 1:**

*Mandatory*

RI Remit To

N102	93	Name	X	AN	1/60	Used
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**Description:** Free-form name

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

**User Note 1:** *Required when N101=BT*

**All valid standard codes are used. (Total Codes: 223)**

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

**User Note 1:** *Required when N101=BT*

*Will match value from PO*

## 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.

# ITD Terms of Sale/Deferred Terms of Sale

Pos: 1300	Max: >1
Heading - Optional	
Loop: N/A	Elements: 5

**User Option (Usage):** Used

**Purpose:** To specify terms of sale

## 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>
ITD01	336	Terms Type Code	O	ID	2/2	Used

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

**CodeList Summary** (Total Codes: 76, Included: 2)

**Code Name**

01	Basic
14	Previously agreed upon

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

**User Note 1:** *Decimal point will be present for not whole number values*

ITD05	351	Terms Discount Days Due	X	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

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)

ITD12	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. 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: 10
Heading - Optional	
Loop: N/A	Elements: 2

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

**Purpose:** To specify pertinent dates and times

## 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>
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: 1226, Included: 1)

<u>Code</u>	<u>Name</u>
011	Shipped

DTM02	373	Date	X	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 - Optional	
Loop: N/A	Elements: 1

**User Option (Usage):** Used

**Purpose:** To specify transportation instructions relating to shipment

## 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>
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: 5)

**Code Name**

- CC Collect
- CF Collect, Freight Credited Back to Customer
- PC Prepaid but Charged to Customer
- PO Prepaid Only
- PP Prepaid (by Seller)

## 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.

# PID Product/Item Description

Pos: 1600	Max: 200
Heading - Optional	
Loop: N/A	Elements: 4

**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

**Description:** Code indicating the format of a description

**CodeList Summary** (Total Codes: 3, Included: 2)

**Code Name**

- F Free-form
- S Structured (From Industry Code List)

PID03	559	Agency Qualifier Code	X	ID	2/2	Must use
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**Description:** Code identifying the agency assigning the code values

**User Note 1:** Required when PID04 is present

**CodeList Summary** (Total Codes: 187, Included: 1)

**Code Name**

- VI Voluntary Inter-Industry Commerce Standard (VICS) EDI

PID04	751	Product Description Code	X	AN	1/12	Must use
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**Description:** A code from an industry code list which provides specific data about a product characteristic

**User Note 1:** FL: Compliant with Fair Labor Standards (mandatory)

VC: Volatile Organic Compound (mandatory if product consists of wood composite)

PID05	352	Description	X	AN	1/80	Used
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**Description:** A free-form description to clarify the related data elements and their content

**User Note 1:** Should not be sent when PID04=FL

**User Note 2:** Suppliers that are shipping finished composite wood products (both for customer sale items, such as furniture, as well as note-for-resale items such as displays signs and pallets) that are shipped to, sold or offered for sale in the state of California must include one of the following messages, in applicable, in PID05, when PID04=VC (Volatile Organic Compound Compliant):

PRODUCT IS CARB ATCM PHASE 1 COMPLIANT  
or  
PRODUCT IS CARB ATCM PHASE 2 COMPLIANT

**User Note 3:** Suppliers shipping fine jewelry products that are shipped to, sold or offered for sale to jcp customers must include the following message in the PID05 to show compliant with JCP jewelry standards, Kimberly Process Certification for diamonds, Burma jadeite, Ruby Certifications, and Irradiated Diamonds and Gemstone Certifications.

"PRODUCT MEETS JCP JEWELRY, KP DIAMOND, BURMA RUBY-JADEITE, IR GEM

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

**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.

**User Note 1:**

*This segment , with a PID04=FL indicator, is MANDATORY by jcpenny. It is used to specify Fair Labor Standards Act compliance for all invoices goods produced in the United States. The inclusion of this segment will be monitored by jcpenny and failure to include this segment will cause the document to be rejected for payment.*

*"We Hereby certify that these goods were produced in compliance with all applicable requirements of sections 6, 7, and 12 of the Fair Labor Standards Act, as amended, and of regulations and orders of the United States Department of Labor issues under section 14 thereof."*

# Loop Baseline Item Data (Invoice)

Pos: 0100	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:

<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)	O	1		Must use
0300	IT3	Additional Item Data	O	5		Used
0600		Loop PID	O		1000	Used
1200	REF	Reference Identification	O	>1		Used

# IT1 Baseline Item Data (Invoice)

Pos: 0100	Max: 1
Detail - Optional	
Loop: IT1	Elements: 11

**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:

<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	O	AN	1/20	Must use

**Description:** Alphanumeric characters assigned for differentiation within a transaction set

**User Note 1:** max=6

**User Note 2:** Use only 6 digits of the 20 digits sent in the PO101 of the 850 (PO) document. Use the right most 6 digits of the 20 digits. Ex PO101 = 0000000000000000023. IT101 = 000023

IT102	358	Quantity Invoiced	X	R	1/10	Must use
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**Description:** Number of units invoiced (supplier units)

IT103	355	Unit or Basis for Measurement Code	X	ID	2/2	Must use
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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: 803, Included: 1)

**Code Name**

EA Each

IT104	212	Unit Price	X	R	1/17	Must use
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**Description:** Price per unit of product, service, commodity, etc.

**User Note 1:** For 'free goods' a single 0 and IT105 of NC will be sent

IT105	639	Basis of Unit Price Code	O	ID	2/2	Used
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**Description:** Code identifying the type of unit price for an item

**CodeList Summary** (Total Codes: 91, Included: 1)

**Code Name**

NC No Charge

IT106	235	Product/Service ID Qualifier	X	ID	2/2	Must use
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**Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)

**CodeList Summary** (Total Codes: 505, Included: 3)

**Code Name**

EN EAN/UCC - 13

IN Buyer's Item Number

UP UCC - 12

IT107	234	Product/Service ID	X	AN	1/48	Must use
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**Description:** Identifying number for a product or service



<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>								
IT108	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used								
<p><b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)</p> <p><b>CodeList Summary</b> (Total Codes: 505, Included: 3)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>EN</td> <td>EAN/UCC - 13</td> </tr> <tr> <td>IN</td> <td>Buyer's Item Number</td> </tr> <tr> <td>UP</td> <td>UCC - 12</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	EN	EAN/UCC - 13	IN	Buyer's Item Number	UP	UCC - 12
<u>Code</u>	<u>Name</u>													
EN	EAN/UCC - 13													
IN	Buyer's Item Number													
UP	UCC - 12													
IT109	234	<b>Product/Service ID</b>	X	AN	1/48	Used								
<p><b>Description:</b> Identifying number for a product or service</p>														
IT110	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used								
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<u>Code</u>	<u>Name</u>													
EN	EAN/UCC - 13													
IN	Buyer's Item Number													
UP	UCC - 12													
IT111	234	<b>Product/Service ID</b>	X	AN	1/48	Used								
<p><b>Description:</b> Identifying number for a product or service</p>														

**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.

**User Note 1:**

*The 11-digit JCP item number should be returned as sent on the PO with a qualifier of IN. Additional part numbers included on the PO may be returned, but are not required.*

# IT3 Additional Item Data

Pos: 0300	Max: 5
Detail - Optional	
Loop: IT1	Elements: 1

**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

## 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>
IT303	368	Shipment/Order Status Code	X	ID	2/2	Must use

**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

**CodeList Summary** (Total Codes: 102, Included: 6)

**Code Name**

- BK Back Ordered from Previous Order
- BP Shipment Partial, Back Order to Ship on (Date)
- CM Shipment Complete with Additional Quantity
- CP Partial Shipment on (Date), Considered No Backorder
- IC Item Canceled
- IS Item Represents Substitution from Original Order

## 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.

# Loop Product/Item Description

Pos: 0600	Repeat: 1000
Optional	
Loop: PID	Elements: N/A

**User Option (Usage):** Used

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

## 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	O	1		Used

# PID Product/Item Description

Pos: 0600	Max: 1
Detail - Optional	
Loop: PID	Elements: 5

**User Option (Usage):** Used

**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

**Description:** Code indicating the format of a description

**All valid standard codes are used. (Total Codes: 3)**

PID02	750	Product/Process Characteristic Code	O	ID	2/3	Used
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**Description:** Code identifying the general class of a product or process characteristic

**CodeList Summary** (Total Codes: 235, Included: 3)

**Code Name**

- 08 Product
- 73 Vendor color description
- 74 Vendor size description

PID03	559	Agency Qualifier Code	X	ID	2/2	Used
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**Description:** Code identifying the agency assigning the code values

**CodeList Summary** (Total Codes: 187, Included: 1)

**Code Name**

- VI Voluntary Inter-Industry Commerce Standard (VICS) EDI

PID04	751	Product Description Code	X	AN	1/12	Used
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**Description:** A code from an industry code list which provides specific data about a product characteristic

PID05	352	Description	X	AN	1/80	Used
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**Description:** A free-form description to clarify the related data elements and their content

**User Note 1:** *Used for semi-custom requirements*

## 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.

# REF Reference Identification

Pos: 1200	Max: >1
Detail - Optional	
Loop: IT1	Elements: 2

**User Option (Usage):** Used

**Purpose:** To specify identifying 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>
REF01	128	<b>Reference Identification Qualifier</b>	M	ID	2/3	Must use
<b>Description:</b> Code qualifying the Reference Identification						
<b>CodeList Summary</b> (Total Codes: 1631, Included: 1)						
<b>Code Name</b>						
SE Serial Number						
REF02	127	<b>Reference Identification</b>	X	AN	1/50	Must use
<b>Description:</b> 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.

# 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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TDS01	610	Amount	M	N2	1/15	Must use

**Description:** Monetary amount

**User Note 1:** *Should be rounded to 2 decimal places*

**User Note 2:** *JCP requires that the TDS01 and TDS02 are the same value. Any charges and allowances should be factored into both invoice totals.*

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

**User Note 1:** *Should be rounded to 2 decimal places*

## 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.



# CAD Carrier Detail

Pos: 0300	Max: 1
Summary - Optional	
Loop: N/A	Elements: 2

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

**Purpose:** To specify transportation details for the transaction

## 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>
CAD04	140	Standard Carrier Alpha Code	O	ID	2/4	Must use

**Description:** Standard Carrier Alpha Code

**User Note 1:** To obtain the code list for all carriers, contact:

National Motor Freight Trucking Association  
 2200 Mill Road  
 Alexandria, VA 22314

CAD05	387	Routing	O	AN	1/35	Must use
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**Description:** Free-form description of the routing or requested routing for shipment, or the originating carrier's identity

**User Note 1:** Carrier name

## 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: 0400	Repeat: >1
	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:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
0400	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used

# SAC Service, Promotion, Allowance, or Charge Information

Pos: 0400	Max: 1
Summary - Optional	
Loop: SAC	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:

<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	<b>Allowance or Charge Indicator</b>	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	<b>Service, Promotion, Allowance, or Charge Code</b>	X	ID	4/4	Must use
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**Description:** Code identifying the service, promotion, allowance, or charge

**CodeList Summary** (Total Codes: 1070, Included: 1)

Code Name

D240	Freight
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SAC05	610	<b>Amount</b>	O	N2	1/15	Must use
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**Description:** Monetary amount

**User Note 1:** *This amount should not be factored into the TDS01 value. It will be recorded and paid on the invoice as expected.*

SAC12	331	<b>Allowance or Charge Method of Handling Code</b>	O	ID	2/2	Used
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**Description:** Code indicating method of handling for an allowance or charge

**User Note 1:** *Required when SAC01=C*

**CodeList Summary** (Total Codes: 22, Included: 1)

Code Name

06	Charge to be Paid by Customer
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SAC15	352	<b>Description</b>	X	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. 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 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):** Must use

**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	O	1		Must use

# ISS Invoice Shipment Summary

Pos: 0600	Max: 1
Summary - Optional	
Loop: ISS	Elements: 2

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

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

## 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>
ISS01	382	Number of Units Shipped	X	R	1/10	Must use

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

**User Note 1:** *Number of cartons shipped*

ISS02	355	Unit or Basis for Measurement Code	X	ID	2/2	Must use
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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: 803, Included: 1)

**Code Name**

CA Case

## 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):** Must use

**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	<b>Number of Included Segments</b>	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	<b>Transaction Set Control Number</b>	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:

- SE is the last segment of each transaction set.