



# 810 Invoice - v4010 VICS

X12/V4010VICS/810

**Version: 1.0 Final**

<b>Author:</b>	<b>Inovis USA</b>
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## Purpose

This document provides detailed guidelines and conventions for implementing electronic invoices with Boscov's Department Stores. Our 810 Invoice, as detailed in this document, will provide you with all of the information necessary to fill our requirements.

These guidelines comply with published VICS standards for EDI version 4010 for all data elements and segments.

Mandatory segments and elements are always required on every document. Optional segments and elements that are required by Boscov's Department Stores are marked as "Must Use". Segment usage is marked on each page just under the page heading under the label "User Option (Usage)". Element usage is marked in the far-right column beside each element. Information in the Attributes column is from the VICS standards and is provided for reference only. Trading Partners must adhere to our requirements as indicated by "Must Use".

## Business Rules

### Contacts

Compliance Services: Inovis 1-877-446-6847 Option 2.

Customer Support: Inovis 1-877-446-6847 Option 1, then Option 6.

Boscov's Department Stores: Lori A. Reilly 1-610-370-3794

## Communication IDs

### Production

S/R ID: 01/014492501

VAN: Inovis

## Delimiters

### *Element Separator - "\*"*

(HEX "2A" in ASCII)

(HEX "5C" in EBCDIC)

### *Component (Sub Element) Separator - ">"*

(HEX "3E" in ASCII)

(HEX "6E" in EBCDIC)

### *Segment Terminator - "~"*

(HEX "7E" in ASCII)

(HEX "A1" in EBCDIC)

## Need an EDI Solution?

We have selected Inovis to administer our EDI operations and to enable our trading partners. For those trading partners who do not trade documents electronically, Inovis offers a number of electronic commerce solutions to assist you. Please call Inovis at 1-877-446-6847 Option 4 for more information.

# 810

## Invoice

Functional Group=IN

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.

### Not Defined:

<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	ISA	Interchange Control Header	M	1			Must use
0200	GS	Functional Group Header	M	1			Must use

### 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 (IA)	M	12			Must use
<b>LOOP ID - N1</b>					<b>200</b>		
2600	N1	Name (BY)	M	1			Must use
2800	N3	Address Information	O	2			Used
2900	N4	Geographic Location	O	1			Used
<b>LOOP ID - N1</b>					<b>200</b>		
2600	N1	Name (ST)	M	1			Must use
2800	N3	Address Information	O	2			Used
2900	N4	Geographic Location	O	1			Used
<b>LOOP ID - N1</b>					<b>200</b>		
2600	N1	Name (RI)	M	1			Must use
2800	N3	Address Information	M	2			Must use
2900	N4	Geographic Location	M	1			Must use
3000	ITD	Terms of Sale/Deferred Terms of Sale	M	>1			Must use
3200	FOB	F.O.B. Related Instructions	O	1			Used

### 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>		
0200	IT1	Baseline Item Data (Invoice)	M	1			Must use
<b>Pos</b>	<b>Id</b>	<b>Segment Name</b>	<b>Req</b>	<b>Max Use</b>	<b>Repeat</b>	<b>Notes</b>	<b>Usage</b>
<b>LOOP ID - PID</b>					<b>1000</b>		
0400	PID	Product/Item Description	M	1			Must use

**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	M	1			Must use
<b>LOOP ID - SAC</b>					<b>25</b>		
0600	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
<b>LOOP ID - ISS</b>					<b>10</b>		
0900	ISS	Invoice Shipment Summary	O	1			Used
1100	CTT	Transaction Totals	M	1		N3/1100	Must use
1200	SE	Transaction Set Trailer	M	1			Must use

**Not Defined:**

<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	GE	Functional Group Trailer	M	1			Used
0200	IEA	Interchange Control Trailer	M	1			Used

# ISA Interchange Control Header

Pos: 0100	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 16

User Option (Usage): Must use

To start and identify an interchange of zero or more functional groups and interchange-related control 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>
ISA01	I01	<b>Authorization Information Qualifier</b> <b>Description:</b> Code to identify the type of information in the Authorization Information	M	ID	2/2	Must use
		<u>Code</u> <u>Name</u> 00          No Authorization Information Present (No Meaningful Information in I02)				
ISA02	I02	<b>Authorization Information</b> <b>Description:</b> Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)	M	AN	10/10	Must use
ISA03	I03	<b>Security Information Qualifier</b> <b>Description:</b> Code to identify the type of information in the Security Information	M	ID	2/2	Must use
		<u>Code</u> <u>Name</u> 00          No Security Information Present (No Meaningful Information in I04)				
ISA04	I04	<b>Security Information</b> <b>Description:</b> This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)	M	AN	10/10	Must use
ISA05	I05	<b>Interchange ID Qualifier</b> <b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
ISA06	I06	<b>Interchange Sender ID</b> <b>Description:</b> Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element	M	AN	15/15	Must use
ISA07	I05	<b>Interchange ID Qualifier</b> <b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified	M	ID	2/2	Must use
		<u>Code</u> <u>Name</u> 01          Duns (Dun & Bradstreet) ZZ          Mutually Defined				
ISA08	I07	<b>Interchange Receiver ID</b>	M	AN	15/15	Must use

**Description:** Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them

**User Note:** 014492501

CLBOS

ISA09	I08	<b>Interchange Date</b> <b>Description:</b> Date of the interchange	M	DT	6/6	Must use
ISA10	I09	<b>Interchange Time</b> <b>Description:</b> Time of the interchange	M	TM	4/4	Must use
ISA11	I10	<b>Interchange Control Standards Identifier</b> <b>Description:</b> Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer <b>All valid standard codes are used.</b>	M	ID	1/1	Must use
ISA12	I11	<b>Interchange Control Version Number</b> <b>Description:</b> This version number covers the interchange control segments <b>Code</b> <b>Name</b> 00400      Standard Issued as ANSI X12.5-1997 00401      Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997	M	ID	5/5	Must use
ISA13	I12	<b>Interchange Control Number</b> <b>Description:</b> A control number assigned by the interchange sender	M	N0	9/9	Must use
ISA14	I13	<b>Acknowledgment Requested</b> <b>Description:</b> Code sent by the sender to request an interchange acknowledgment (TA1) <b>Code</b> <b>Name</b> 0      No Acknowledgment Requested	M	ID	1/1	Must use
ISA15	I14	<b>Usage Indicator</b> <b>Description:</b> Code to indicate whether data enclosed by this interchange envelope is test, production or information <b>Code</b> <b>Name</b> P      Production Data T      Test Data	M	ID	1/1	Must use
ISA16	I15	<b>Component Element Separator</b> <b>Description:</b> Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator	M		1/1	Must use

# GS Functional Group Header

Pos: 0200	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 8

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

To indicate the beginning of a functional group and to provide control information

### Semantics:

1. GS04 is the group date.
2. GS05 is the group time.
3. The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

### Comments:

1. A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

### 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>
GS01	479	<b>Functional Identifier Code</b> <b>Description:</b> Code identifying a group of application related transaction sets	M	ID	2/2	Must use
		<b>Code</b> <b>Name</b>				
		IN      Invoice Information (810,819)				
GS02	142	<b>Application Sender's Code</b> <b>Description:</b> Code identifying party sending transmission; codes agreed to by trading partners	M	AN	2/15	Must use
GS03	124	<b>Application Receiver's Code</b> <b>Description:</b> Code identifying party receiving transmission. Codes agreed to by trading partners	M	AN	2/15	Must use
		<b>User Note:</b> 014492501 CLBOS				
GS04	373	<b>Date</b> <b>Description:</b> Date expressed as CCYYMMDD	M	DT	8/8	Must use
GS05	337	<b>Time</b> <b>Description:</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	M	TM	4/8	Must use
GS06	28	<b>Group Control Number</b> <b>Description:</b> Assigned number originated and maintained by the sender	M	NO	1/9	Must use
GS07	455	<b>Responsible Agency Code</b> <b>Description:</b> Code used in conjunction with	M	ID	1/2	Must use



Data Element 480 to identify the issuer of the standard

<u>Code</u>	<u>Name</u>						
GS08	480	X	Accredited Standards Committee X12	M	AN	1/12	Must use
<b>Version / Release / Industry Identifier Code</b>							
<b>Description:</b> Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed							
<u>Code</u>	<u>Name</u>						
004010VICS	VICS 4010						

# ST Transaction Set Header

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

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

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

**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).

**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> <b>Description:</b> Code uniquely identifying a Transaction Set	M	ID	3/3	Must use
		<b>Code</b> <b>Name</b>				
		810      Invoice				
ST02	329	<b>Transaction Set Control Number</b> <b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use

# BIG Beginning Segment for Invoice

Pos: 0200	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 4

User Option (Usage): Must use

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> <b>Description:</b> Date expressed as CCYYMMDD	M	DT	8/8	Must use
BIG02	76	<b>Invoice Number</b> <b>Description:</b> Identifying number assigned by issuer	M	AN	1/15	Must use
BIG03	373	<b>Date</b> <b>Description:</b> Date expressed as CCYYMMDD <b>User Note:</b> <i>Purchase Order Date</i>	O	DT	8/8	Used
BIG04	324	<b>Purchase Order Number</b> <b>Description:</b> Identifying number for Purchase Order assigned by the orderer/purchaser <b>User Note:</b> <i>6-Digit Boscov's PO Number (leading zeroes, if necessary)</i>	M	AN	6/6	Must use

# REF Reference Identification (IA)

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

User Option (Usage): Must use

To specify identifying information

### Syntax Rules:

1. R0203 - At least one of REF02 or REF03 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>
REF01	128	<b>Reference Identification Qualifier</b> <b>Description:</b> Code qualifying the Reference Identification	M	ID	2/2	Must use
		<b>Code</b> <b>Name</b> DP            Department Number				
REF02	127	<b>Reference Identification</b> <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <b>User Note:</b> <i>Valid 5-digit Boscov's Department Number</i>	M	AN	5/5	Must use

# N1 Name (BY)

Pos: 2600	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 4

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

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	<b>Entity Identifier Code</b> <b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual	O	ID	2/3	Must use
		<b>Code</b> <b>Name</b> BY      Buying Party (Purchaser)				
N102	93	<b>Name</b> <b>Description:</b> Free-form name	O	AN	1/60	Used
N103	66	<b>Identification Code Qualifier</b> <b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)	O	ID	1/2	Must use
		<b>Code</b> <b>Name</b> 92      Assigned by Buyer or Buyer's Agent				
N104	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code	O	AN	5/5	Must use
		<b>User Note:</b> 5-digit Boscov's Store Number				

# N3 Address Information

Pos: 2800	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Used

To specify the location 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>
N301	166	<b>Address Information</b> Description: Address information	O	AN	1/55	Must use
N302	166	<b>Address Information</b> Description: Address information	O	AN	1/55	Used

# N4 Geographic Location

Pos: 2900	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

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

# N1 Name (ST)

Pos: 2600	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 4

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

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	<b>Entity Identifier Code</b> <b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual	O	ID	2/3	Must use
		<b>Code</b> <b>Name</b> ST            Ship To				
N102	93	<b>Name</b> <b>Description:</b> Free-form name	O	AN	1/60	Used
N103	66	<b>Identification Code Qualifier</b> <b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)	O	ID	1/2	Must use
		<b>Code</b> <b>Name</b> 92            Assigned by Buyer or Buyer's Agent				
N104	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code	O	AN	5/5	Must use
		<b>User Note:</b> 5-digit Boscov's DC or Store Number				



# N3 Address Information

Pos: 2800	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

To specify the location 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>
N301	166	<b>Address Information</b> Description: Address information	O	AN	1/55	Must use
N302	166	<b>Address Information</b> Description: Address information	O	AN	1/55	Used

# N4 Geographic Location

Pos: 2900	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

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

# N1 Name (RI)

Pos: 2600	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 4

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

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	<b>Entity Identifier Code</b> <b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual	O	ID	2/3	Must use
		<b>Code</b> <b>Name</b>				
		RI          Remit To				
N102	93	<b>Name</b> <b>Description:</b> Free-form name	O	AN	1/60	Must use
N103	66	<b>Identification Code Qualifier</b> <b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)	O	ID	1/2	Used
		<b>Code</b> <b>Name</b>				
		92          Assigned by Buyer or Buyer's Agent				
N104	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code	O	AN	1/40	Used

# N3 Address Information

Pos: 2800	Max: 2
Heading - Mandatory	
Loop: N1	Elements: 2

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

To specify the location 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>
N301	166	<b>Address Information</b> Description: Address information	O	AN	1/55	Must use
N302	166	<b>Address Information</b> Description: Address information	O	AN	1/55	Used

# N4 Geographic Location

Pos: 2900	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 4

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

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

# ITD Terms of Sale/Deferred Terms of Sale

Pos: 3000	Max: >1
Heading - Mandatory	
Loop: N/A	Elements: 11

User Option (Usage): Must use

To specify terms of sale

**Comments:**

1. Only accepted Terms Type Code = "02", "05", "08" or "12", all Terms Type Code must include ITD06 & ITD07
2. If either ITD03, ITD04 or ITD05 are present, then the others are required.
3. If the code in ITD01 is "05", then only ITD06 and ITD07 must be present (ITD03, ITD04 and ITD05 can not be used)
4. If the code in ITD01 is "08", then ITD03, ITD04 and ITD05 must be present
5. ITD03, ITD05 & ITD07 must be greater than zero (0)

**Element Summary:**

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD01	336	<b>Terms Type Code</b> Description: Code identifying type of payment terms	O	ID	2/2	Must use
		<u>Code</u> <u>Name</u>				
		02      End of Month (EOM)				
		05      Discount Not Applicable				
		08      Basic Discount Offered				
		12      10 Days After EOM				
ITD02	333	<b>Terms Basis Date Code</b> Description: Code identifying the beginning of the terms period	O	ID	1/2	Must use
		<u>Code</u> <u>Name</u>				
		3      Invoice Date				
		<b>User Note:</b> Same as BIG01				
ITD03	338	<b>Terms Discount Percent</b> 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	O	R	1/6	Used
ITD04	370	<b>Terms Discount Due Date</b> Description: Date payment is due if discount is to be earned expressed in format CCYYMMDD	C	DT	8/8	Used
ITD05	351	<b>Terms Discount Days Due</b> Description: Number of days in the terms discount period by which payment is due if terms discount is earned	C	NO	1/3	Used
ITD06	446	<b>Terms Net Due Date</b> Description: Date when total invoice amount becomes due expressed in format CCYYMMDD	O	DT	8/8	Must use
ITD07	386	<b>Terms Net Days</b> Description: Number of days until total invoice amount is due (greater than zero(0))	O	NO	1/3	Must use

# FOB F.O.B. Related Instructions

Pos: 3200	Max: 1
Heading - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Used

To specify transportation instructions relating to shipment

## 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.

## 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	<b>Shipment Method of Payment</b> <b>Description:</b> Code identifying payment terms for transportation charges	M	ID	2/2	Must use
		<u>Code</u> <u>Name</u>				
		CC          Collect				
		PP          Prepaid (by Seller)				
FOB02	309	<b>Location Qualifier</b> <b>Description:</b> Code identifying type of location	C	ID	1/2	Used
		<u>Code</u> <u>Name</u>				
		DE          Destination (Shipping)				
		FA          Factory				

**IT1****Baseline Item Data (Invoice)**

Pos: 0200	Max: 1
Detail - Mandatory	
Loop: IT1	Elements: 15

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

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

**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.

**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	<b>Assigned Identification</b> <b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set	O	AN	1/20	Used
IT102	358	<b>Quantity Invoiced</b> <b>Description:</b> Number of units invoiced (supplier units)	M	R	1/10	Must use
IT103	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	M	ID	2/2	Must use
		<u>Code</u> <u>Name</u> EA          Each				
IT104	212	<b>Unit Price</b> <b>Description:</b> Price per unit of product, service, commodity, etc.	M	R	1/17	Must use
IT105	639	<b>Basis of Unit Price Code</b> <b>Description:</b> Code identifying the type of unit price for an item	O	ID	2/2	Used
		<u>Code</u> <u>Name</u> NC          No Charge WE          Wholesale Price per Each				
IT106	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Must use
		<u>Code</u> <u>Name</u> EN          European Article Number (EAN) (2-5-5-1) UP          U.P.C. Consumer Package Code (1-5-5-1)				
IT107	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service	C	AN	12/13	Must use
IT108	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
		<u>Code</u> <u>Name</u> EN          European Article Number (EAN) (2-5-5-1)				



		UP	U.P.C. Consumer Package Code (1-5-5-1)			
IT109	234	<b>Product/Service ID</b>	C	AN	12/13	Used
		<b>Description:</b> Identifying number for a product or service				
IT110	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<u>Code</u>	<u>Name</u>			
		SZ	Vendor Alphanumeric Size Code (NRMA)			
		VA	Vendor's Style Number			
		VE	Vendor Color			
IT111	234	<b>Product/Service ID</b>	C	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service				
IT112	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<u>Code</u>	<u>Name</u>			
		SZ	Vendor Alphanumeric Size Code (NRMA)			
		VA	Vendor's Style Number			
		VE	Vendor Color			
IT113	234	<b>Product/Service ID</b>	C	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service				
IT114	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<u>Code</u>	<u>Name</u>			
		SZ	Vendor Alphanumeric Size Code (NRMA)			
		VA	Vendor's Style Number			
		VE	Vendor Color			
IT115	234	<b>Product/Service ID</b>	C	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service				

# PID Product/Item Description

Pos: 0400	Max: 1
Not Defined - Mandatory	
Loop: PID	Elements: 3

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

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	<b>Item Description Type</b> <b>Description:</b> Code indicating the format of a description	O	ID	1/1	Must use
		<u>Code</u> <u>Name</u> F              Free-form				
PID02	750	<b>Product/Process Characteristic Code</b> <b>Description:</b> Code identifying the general class of a product or process characteristic	O	ID	2/3	Used
		<u>Code</u> <u>Name</u> 08            Product 73            Vendor color description 74            Vendor size description				
PID05	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content	O	AN	1/80	Must use

# TDS Total Monetary Value Summary

Pos: 0100	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 4

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

To specify the total invoice discounts and amounts

**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.

**Comments:**

1. TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

**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 Description: Monetary amount User Note: Total amount of the invoice plus all charges minus all allowances.	M	N2	1/15	Must use
TDS02	610	Amount Description: Monetary amount User Note: Total amount of invoice eligible for terms discount.	O	N2	1/15	Used
TDS03	610	Amount Description: Monetary amount	O	N2	1/15	Used
TDS04	610	Amount Description: Monetary amount	O	N2	1/15	Used

# CAD Carrier Detail

Pos: 0300	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 5

User Option (Usage): Must use

To specify transportation details for the transaction

### Syntax Rules:

1. R0504 - At least one of CAD05 or CAD04 is required.
2. C0708 - If CAD07 is present, then CAD08 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>
CAD01	91	<b>Transportation Method/Type Code</b> <b>Description:</b> Code specifying the method or type of transportation for the shipment	M	ID	1/2	Must use
		<b>Code</b> <b>Name</b>				
		M          Motor (Common Carrier)				
CAD04	140	<b>Standard Carrier Alpha Code</b> <b>Description:</b> Standard Carrier Alpha Code	M	ID	2/4	Must use
CAD05	387	<b>Routing</b> <b>Description:</b> Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	C	AN	1/35	Used
CAD07	128	<b>Reference Identification Qualifier</b> <b>Description:</b> Code qualifying the Reference Identification	O	ID	2/3	Used
		<b>Code</b> <b>Name</b>				
		BM          Bill of Lading Number				
		CN          Carrier's Reference Number (PRO/Invoice)				
CAD08	127	<b>Reference Identification</b> <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30	Used

# SAC Service, Promotion, Allowance, or Charge Information

Pos: 0600                      Max: 1  
 Summary - Optional  
 Loop: SAC                      Elements: 8

**User Option (Usage):** Used

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

**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.

**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> <b>Description:</b> Code which indicates an allowance or charge for the service specified	M	ID	1/1	Must use
		<b>Code</b> <b>Name</b>				
		A                  Allowance				
		C                  Charge				
SAC02	1300	<b>Service, Promotion, Allowance, or Charge Code</b> <b>Description:</b> Code identifying the service, promotion, allowance, or charge	C	ID	4/4	Must use
		<b>Code</b> <b>Name</b>				
		A260              Advertising Allowance				
		B720              Cooperative Advertising/Merchandising Allowance (Performance)				
		C000              Defective Allowance				
		C260              Discount - Incentive				
		C300              Discount - Special				
		C310              Discount				
		C540              Early Buy Allowance				
		D240              Freight				
		D500              Handling				
		D920              Insurance Fee				
		D980              Insurance				
		E560              Marking or Tagging Charge				
		E750              New Store Discount				
		E800              No Return Credit Allowance				
		E950              One-Time License Fee				
		F180              Pallet				
		F460              Postage				
		F670              Price and Marketing Allowance				

**User Note:**  
 Vendor funding OFF Invoice

	F800	Promotional Allowance				
		<b>User Note:</b> Bridal Registry				
	G740	Service Charge				
	G830	Shipping and Handling				
	H090	Special Handling				
	H730	Tax - Local Sales Tax				
		<b>Description:</b> All applicable sales taxes by taxing authorities below the State level				
	H750	Tax - Sales Tax (State and Local)				
	H770	Tax - State Tax				
	I170	Trade Discount				
	I240	Transportation And Setup				
	I250	Transportation Charge (Minimum Rate)				
	I260	Transportation Direct Billing				
	I280	Transportation Vendor Provided				
	I310	Truckload Discount				
	I410	Unsaleable Merchandise Allowance				
	I530	Volume Discount				
	I570	Warehouse				
SAC03	559	<b>Agency Qualifier Code</b>	C	ID	2/2	Used
		<b>Description:</b> Code identifying the agency assigning the code values				
		<b>Code</b> <b>Name</b>				
		VI      Voluntary Inter-Industry Commerce Standard (VICS) EDI				
SAC04	1301	<b>Agency Service, Promotion, Allowance, or Charge Code</b>	C	AN	1/10	Used
		<b>Description:</b> Agency maintained code identifying the service, promotion, allowance, or charge				
		<b>User Note:</b> TC=Ticketing Service				
SAC05	610	<b>Amount</b>	O	N2	1/15	Must use
		<b>Description:</b> Monetary amount				
		<b>User Note:</b> Total dollar amount of charge.				
SAC06	378	<b>Allowance/Charge Percent Qualifier</b>	C	ID	1/1	Used
		<b>Description:</b> Code indicating on what basis allowance or charge percent is calculated				
		<b>Code</b> <b>Name</b>				
		3      Discount/Gross				
SAC07	332	<b>Percent</b>	C	R	1/6	Used
		<b>Description:</b> Percent expressed as a percent				
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>Code</b> <b>Name</b>				
		02      Off Invoice				

# ISS

## Invoice Shipment Summary

Pos: 0900	Max: 1
Summary - Optional	
Loop: ISS	Elements: 2

User Option (Usage): Used

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	<b>Number of Units Shipped</b> <b>Description:</b> Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	O	R	1/10	Used
ISS02	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O	ID	2/2	Used
		<u>Code</u> <u>Name</u>				
		EA                Each				

# CTT Transaction Totals

Pos: 1100	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 1

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

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

**Comments:**

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

**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	<b>Number of Line Items</b> <b>Description:</b> Total number of line items in the transaction set <b>User Note:</b> <i>The number of IT1 segments present in the transaction set</i>	M	N0	1/6	Must use



**SE**

**Transaction Set Trailer**

Pos: 1200	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

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

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

**Comments:**

1. SE is the last segment of each 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>
SE01	96	<b>Number of Included Segments</b> <b>Description:</b> Total number of segments included in a transaction set including ST and SE segments	M	NO	1/10	Must use
SE02	329	<b>Transaction Set Control Number</b> <b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use

# GE Functional Group Trailer

Pos: 0100	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Used

To indicate the end of a functional group and to provide control information

**Semantics:**

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

**Comments:**

1. The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

**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>
GE01	97	<b>Number of Transaction Sets Included</b> <b>Description:</b> Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	M	NO	1/6	Must use
GE02	28	<b>Group Control Number</b> <b>Description:</b> Assigned number originated and maintained by the sender	M	NO	1/9	Must use

# IEA

# Interchange Control Trailer

Pos: 0200	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Used

To define the end of an interchange of zero or more functional groups and interchange-related control 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>
IEA01	I16	<b>Number of Included Functional Groups</b> <b>Description:</b> A count of the number of functional groups included in an interchange	M	N0	1/5	Must use
IEA02	I12	<b>Interchange Control Number</b> <b>Description:</b> A control number assigned by the interchange sender	M	N0	9/9	Must use

**Example**

## Sample Invoice Transaction

ISA\*00\* \*00\* \*01\*123456798 \*01\*014492501 \*090610\*2030\*U\*00401\*000003089\*0\*P\*>~  
 GS\*IN\*002358463\*014492501\*20090610\*2030\*3089\*X\*004010VICS~  
 ST\*810\*30890001~  
 BIG\*20090610\*7125902245\*20090602\*393422~  
 N1\*BY\*BOSCOV'S\*92\*00003~  
 N1\*ST\*\*92\*00015~  
 N1\*RI\*Sample Vendor~  
 N3\*PO BOX 933884~  
 N4\*Sample\*PA\*19606-3884~  
 ITD\*05\*3\*\*\*\*20090710\*30~  
 DTM\*002\*20090610~  
 FOB\*CC\*DE~  
 IT1\*\*4\*EA\*6.3\*\*UP\*999999228834~  
 PID\*F\*08\*\*\*TRNCUFPLUS~  
 TDS\*2520~  
 CAD\*M\*\*\*ABFS\*ABF FREIGHT SYSTEM\*\*BM\*07868880000867514~  
 ISS\*4\*EA~  
 CTT\*1~  
 SE\*16\*30890001~  
 ST\*810\*30890002~  
 BIG\*20090610\*7125902246\*20090602\*393422~  
 N1\*BY\*BOSCOV'S\*92\*00004~  
 N1\*ST\*\*92\*00015~  
 N1\*RI\*Sample Vendor~  
 N3\*PO BOX 933884~  
 N4\*Sample\*PA\*19606-3884~  
 ITD\*05\*3\*\*\*\*20090710\*30~  
 DTM\*011\*20090610~  
 FOB\*CC\*DE~  
 IT1\*\*4\*EA\*6.3\*\*UP\*999999256776~  
 PID\*F\*08\*\*\*6PR LINER~  
 IT1\*\*4\*EA\*6.3\*\*UP\*999999228858~  
 PID\*F\*08\*\*\*LINERPLUS~  
 IT1\*\*4\*EA\*6.3\*\*UP\*999999253508~  
 PID\*F\*08\*\*\*JERSYLNRL~  
 TDS\*7560~  
 CAD\*M\*\*\*ABFS\*ABF FREIGHT SYSTEM\*\*BM\*07868880000867514~  
 ISS\*12\*EA~  
 CTT\*3~  
 SE\*20\*30890002~  
 ST\*810\*30890003~  
 GE\*2\*3089~  
 IEA\*1\*000003089~