810 Invoice - v4010 VICS

X12/V401 0VICS/81 0

Version: 1.0 Final

Author:	**GXS**
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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: GXS 1-877-446-6847 Option 2.

Customer Support: GXS 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 GXS to administer our EDI operations and to enable our trading partners. For those trading partners who do not trade documents electronically, GXS offers a number of electronic commerce solutions to assist you. Please call GXS 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:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0100	ISA	Interchange Control Header	M	1			Must use
0200	GS	Functional Group Header	M	1			Must use

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 Identification (IA)	M	12			Must use 200

LOOP ID - N1

2600	N1	Name (BY)	M	1			Must use
2800	N3	Address Information	O	2			Used
2900	N4	Geographic Location	O	1			Used

LOOPID-N1 — 200

2600	N1	Name (ST)	M	1			Must use
2800	N3	Address Information	O	2			Used
2900	N4	Geographic Location	O	1			Used

LOOP ID -N1 — 200

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
3100	DTM	Date/Time Reference	❑	1			Used
3200	FOB	F.O.B. Related Instructions	❑	1			Used

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID -IT1					200000		
0200	IT1	Baseline Item Data (Invoice)	M	1			Must use

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - PID 0400	PID	Product/Item Description	M	1	1000		

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0100	TDS	Total Monetary Value Summary	M	1			Must use
0300	CAD	Carrier Detail	M	1			Must use
LOOP ID-SAC					**25**		
0600	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
LOOP ID -ISS					**10**		
0900	ISS	Invoice Shipment Summary	O	1			Used
1100	CTT	Transaction Totals	M	1		N3/1 100	Must use
1200	SE	Transaction Set Trailer	M	1			Must use

Not Defined:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA01	I01	**Authorization Information Qualifier**	M	ID	2/2	Must use

Description: Code to identify the type of information in the Authorization Information

Code	Name
00	No Authorization Information Present (No Meaningful Information in I02)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA02	I02	**Authorization Information**	M	AN	10/10	Must use

Description: 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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA03	I03	**Security Information Qualifier**	M	ID	2/2	Must use

Description: Code to identify the type of information in the Security Information

Code	Name
00	No Security Information Present (No Meaningful Information in I04)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA04	I04	**Security Information**	M	AN	10/10	Must use

Description: 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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA05	I05	**Interchange ID Qualifier**	M	ID	2/2	Must use

Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA06	I06	**Interchange Sender ID**	M	AN	15/15	Must use

Description: 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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA07	I05	**Interchange ID Qualifier**	M	ID	2/2	Must use

Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

Code	Name
01	Duns (Dun & Bradstreet)
ZZ	Mutually Defined

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA08	I07	**Interchange Receiver ID**	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	**Interchange Date** **Description:** Date of the interchange	M	DT	6/6	Must use
ISA10	I09	**Interchange Time** **Description:** Time of the interchange	M	TM	4/4	Must use
ISA11	I10	**Interchange Control Standards Identifier** **Description:** Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer **All valid standard codes are used.**	M	ID	1/1	Must use
ISA12	I11	**Interchange Control Version Number** **Description:** This version number covers the interchange control segments	M	ID	5/5	Must use

Code   **Name**

00400   Standard Issued as ANSI X12.5-1997

00401   Draft Standards for Trial Use Approved for Publication byASC X12 Procedures Review Board through October 1997

ISA13	I12	**Interchange Control Number** **Description:** A control number assigned by the interchange sender	M	N0	9/9	Must use
ISA14	I13	**Acknowledgment Requested** **Description:** Code sent by the sender to request an interchange acknowledgment (TA1)	M	ID	1/1 ust use	M

Code   **Name**

0   No Acknowledgment Requested

ISA15	I14	**Usage Indicator** **Description:** Code to indicate whether data enclosed by this interchange envelope is test, production or information	M	ID	1/1	Must use

Code   **Name**

P   Production Data

T   Test Data

ISA16	I15	**Component Element Separator** **Description:** 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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS01	479	**Functional Identifier Code** **Description:** Code identifying a group of application related transaction sets	M	ID	2/2	Must use

Code	Name
IN	Invoice Information (810,819)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS02	142	**Application Sender's Code** **Description:** Code identifying party sending transmission; codes agreed to by trading partners	M	AN	2/15	Must use
GS03	124	**Application Receiver's Code** **Description:** Code identifying party receiving transmission. Codes agreed to by trading partners **User Note:** *014492501 CLBOS*	M	AN	2/15	Must use
GS04	373	**Date** **Description:** Date expressed as CCYYMMDD	M	DT	8/8	Must use
GS05	337	**Time** **Description:** 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	**Group Control Number** **Description:** Assigned number originated and maintained by the sender	M	N0	1/9	Must use
GS07	455	**Responsible Agency Code** **Description:** Code used in conjunction with	M	ID	1/2	Must use

Data Element 480 to identify the issuer of the standard

Code	Name
X	Accredited Standards Committee X12

GS08	480	**Version / Release / Industry Identifier Code**	M	AN	1/12	Must use

Description: 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

Code	Name
004010VICS	VICS 4010

ST

Transaction Set Header

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:

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

Code	Name
810	Invoice

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST02	329	**Transaction Set Control Number** **Description:** 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
Element

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BIG01	373	Date	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD				
BIG02	76	**Invoice Number**	M	AN	1/15	Must use
		Description: Identifying number assigned by issuer				
BIG03	373	**Date**	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
		User Note: *Purchase Order Date*				
BIG04	324	**Purchase Order Number**	M	AN	6/6	Must use
		Description: Identifying number for Purchase Order assigned by the orderer/purchaser				
		User Note: *6-Digit Boscov's PO Number (leading zeroes, if necessary)*				

REF Reference Identification (IA)

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

User Option (Usage): Must use

To specify identifying information

Syntax Rules:

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **Code Name** DP Department Number	M	ID	2/2	Must use
REF02	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier **User Note:** *Valid 5-digit Boscov's Department Number*	M	AN	5/5	Must use

N1   Name (BY)

<table>
<tr><td>Pos: 2600</td><td>Max: 1</td></tr>
<tr><td colspan="2">Heading - Mandatory</td></tr>
<tr><td>Loop: N1</td><td>Elements: 4</td></tr>
</table>

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code** **Description:** Code identifying an organizational entity, a physical location, property or an individual	M	ID	2/3	Must use

Code   **Name**
BY   Buying Party (Purchaser)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name** **Description:** Free-form name	O	AN	1/60	Used
N103	66	**Identification Code Qualifier** **Description:** Code designating the system/method of code structure used for Identification Code (67)	M	ID	1/2	Must use

Code   **Name**
92   Assigned by Buyer or Buyer's Agent

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code** **Description:** Code identifying a party or other code	M	AN	5/5	Must use

User Note: *5-digit Boscov's Store Number*

N3 Address Information

User Option (Usage): Used

To specify the location of the named party

Element Summary:

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

N4   **Geographic Location**

Pos: 2900   Max: 1
Heading - Optional
Loop: N1
Element

User Option (Usage): Used

To specify the geographic place of the named party

Element Summary:

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

N1   Name(ST)

<table>
<tr><td>Pos: 2600</td><td>Max: 1</td></tr>
<tr><td colspan="2">Heading - Mandatory</td></tr>
<tr><td>Loop: N1</td><td>Elements: 4</td></tr>
</table>

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code** **Description:** Code identifying an organizational entity, a physical location, property or an individual	M	ID	2/3	Must use

Code	Name
ST	Ship To

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name** **Description:** Free-form name	O	AN	1/60	Used
N103	66	**Identification Code Qualifier** **Description:** Code designating the system/method of code structure used for Identification Code (67)	M	ID	1/2	Must use

Code	Name
92	Assigned by Buyer or Buyer's Agent

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code** **Description:** Code identifying a party or other code	M	AN	5/5	Must use

User Note: *5-digit Boscov's DC or Store Number*

N3   Address Information

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

User Option (Usage): Used

To specify the location of the named party

Element Summary:

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

N4   Geographic Location

User Option (Usage): Used

To specify the geographic place of the named party

Element Summary:

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

N1   Name (RI)

User Option (Usage): Must use

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

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				

Code	Name
RI	Remit To

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	M	AN	1/60	Must use
		Description: Free-form name				
N103	66	**Identification Code Qualifier**	O	ID	1/2	Used
		Description: Code designating the system/method of code structure used for Identification Code (67)				

Code	Name
92	Assigned by Buyer or Buyer's Agent

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	O	AN	1/40	Used
		Description: Code identifying a party or other code				

N3   Address Information

User Option (Usage): Must use

To specify the location of the named party

Element Summary:

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

N4   Geographic Location

Pos: 2900   Max: 1
Heading - Mandatory
Loop: N1
Element

User Option (Usage): Must use

To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name** **Description:** Free-form text for city name	M	AN	2/30	Must use
N402	156	**State or Province Code** **Description:** Code (Standard State/Province) as defined by appropriate government agency	M	ID	2/2	Must use
N403	116	**Postal Code** **Description:** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	M	ID	3/15	Must use
N404	26	**Country Code** **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:
ITD02, ITD06 &

1. Only accepted Terms Type Code = ˝02˝, ˝05˝, ˝08˝ or ˝12˝, all Terms Type Code must include ITD07
2. If either ITD03, ITD04 or ITD05 are present, then the others are required.   and ITD05 can
3. If the code in ITD01 is ˝05˝, then only ITD02, ITD06 and ITD07 must be present (ITD03, ITD04 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	**Terms Type Code** **Description:** Code identifying type of payment terms	M	ID	2/2	Must use

Code	Name
02	End of Month (EOM)
05	Discount Not Applicable
08	Basic Discount Offered
12	10 Days After EOM

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD02	333	**Terms Basis Date Code** **Description:** Code identifying the beginning of the terms period	M	ID	1/2	Must use

Code	Name
3	Invoice Date

User Note:
Same as BIG01

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD03	338	**Terms Discount Percent** **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	C	R	1/6	Used
ITD04	370	**Terms Discount Due Date** **Description:** Date payment is due if discount is to be earned expressed in format CCYYMMDD	C	DT	8/8	Used
ITD05	351	**Terms Discount Days Due** **Description:** Number of days in the terms discount period by which payment is due if terms discount is earned	C	N0	1/3	Used
ITD06	446	**Terms Net Due Date** **Description:** Date when total invoice amount becomes due expressed in format CCYYMMDD	M	DT	8/8	Must use
ITD07	386	**Terms Net Days** **Description:** Number of days until total invoice amount is due (greater than zero(0))	M	N0	1/3	Must use

DTM Date/Time Reference

**Pos: 3100   Max:1
Heading - Optional
Loop: N/A
Elemen
ts: 2**

User Option (Usage): Used

To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM01	374	**Date/Time Qualifier**	M	ID	2/2	Must Use
		Description: Code specifying type of date or time, or both date and time				

Code	Name
011	Shipped

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM02	373	**Date**	C	DT	8/8	Used
		Date expressed as CCYYMMDD				

FOB F.O.B. Related Instructions

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

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
FOB01	146	**Shipment Method of Payment** **Description:** Code identifying payment terms for transportation charges	M	ID	2/2	Must use

Code	Name
CC	Collect
PP	Prepaid (by Seller)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
FOB02	309	**Location Qualifier** **Description:** Code identifying type of location	C	ID	1/2	Used

Code	Name
DE	Destination (Shipping)
FA	Factory

IT1   Baseline Item Data (Invoice)

Pos: 0200   Max: 1
Detail - Mandatory
Loop: IT1
Element

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IT101	350	**Assigned Identification** **Description:** Alphanumeric characters assigned for differentiation within a transaction set	O	AN	1/20	Used
IT102	358	**QuantityInvoiced** **Description:** Number of units invoiced (supplier units)	M	R	1/10	Mustuse
IT103	355	**Unit or Basis for Measurement Code** **Description:** 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

Code	Name
EA	Each

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IT104	212	**Unit Price** **Description:** Price per unit of product, service, commodity, etc.	M	R	1/17	Must use
IT105	639	**BasisofUnitPriceCode** **Description:** Code identifying the type of unit price for an item	O	ID	2/2	Used

Code	Name
NC	No Charge
WE	Wholesale Price per Each

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IT106	235	**Product/Service ID Qualifier** **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Must use

Code	Name
EN	European Article Number (EAN) (2-5-5-1)
UP	U.P.C. Consumer Package Code (1-5-5-1)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IT107	234	**Product/Service ID** **Description:** Identifying number for a product or service	C	AN	12/13	Must use
IT108	235	**Product/Service ID Qualifier** **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used

Code	Name
EN	European Article Number (EAN) (2-5-5-1)

		UP U.P.C. Consumer Package Code (1-5-5-1)				
IT109	234	**Product/ServiceID** **Description:** Identifying number for a product or service	C	AN	12/13	Used
IT110	235	**Product/Service ID Qualifier** **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used

<u>Code</u>   **Name**

SZ	Vendor Alphanumeric Size Code (NRMA)
VA	Vendor's Style Number
VE	Vendor Color

IT111	234	**Product/Service ID** **Description:** Identifying number for a product or service	C	AN	1/48	Used
IT112	235	**Product/Service ID Qualifier** **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used

<u>Code</u>   **Name**

SZ	Vendor Alphanumeric Size Code (NRMA)
VA	Vendor's Style Number
VE	Vendor Color

IT113	234	**Product/Service ID** **Description:** Identifying number for a product or service	C	AN	1/48	Used
IT114	235	**Product/Service ID Qualifier** **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used

<u>Code</u>   **Name**

SZ	Vendor Alphanumeric Size Code (NRMA)
VA	Vendor's Style Number
VE	Vendor Color

IT115	234	**Product/ServiceID** **Description:** Identifying number for a product or service	C	AN	1/48	Used

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID01	349	**Description Type** **Description:** Code indicating the format of a description	**Item** M	ID	1/1	Must use
		F Free-form				
PID02	750	**Product/Process Characteristic Code** **Description:** Code identifying the general class of a product or process characteristic **Code Name**	M	ID	2/3	Must use
		08 Product				
PID05	352	**Description** **Description:** A free-form description to clarify the related data elements and their content	M	AN	1/80	Must use

TDS Total Monetary Value Summary

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TDS01	610	**Amount** **Description:** Monetary amount **User Note:** *Total amount of the invoice plus al 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

C A D Carrier Detail

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

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:

Ref	Id	Element Name	Req			Type
			Min/Max			Usage
CAD01	91	**Transportation Method/Type Code** **Description:** Code specifying the method or type of transportation for the shipment **Code Name**	M	ID	1/2	Must use
		M Motor (Common Carrier)				
CAD04	140	**Standard Carrier Alpha Code** **Description:** Standard Carrier Alpha Code	M	ID	2/4	Must use
CAD05	387	**Routing** **Description:** Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	C	AN	1/35	Used
CAD07	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification	O	ID	2/3	Used
		Code Name				
		BM Bill of Lading Number				
		CN Carrier's Reference Number (PRO/Invoice)				
CAD08	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30	Used

S A C   Service, Promotion, Allowance, or Charge Information

Pos: 0600   Max: 1
Summary - Optional
Loop: SAC
Element s: 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:

Ref Id	Element Name	Req	Type	Min/Max	Usage
SAC01 248	**Allowance or Charge Indicator Description:** Code which indicates an allowance or charge for the service specified	M	ID	1/1	Must use

Code	Name
A	Allowance
C	Charge

Ref Id	Element Name	Req	Type	Min/Max	Usage
SAC02 1300	**Service, Promotion, Allowance, or Charge Code** **Description:** Code identifying the service, promotion, allowance, or charge	C	ID	4/4	Must use

Code	Name
A260	Advertising Allowance
B720	Cooperative Advertising/Merchandising Allowance (Performance)
C000	Defective Allowance
C260	Discount - Incentive
C300	Discount - Special
C31 0	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
User Note:
Bridal Registry
G740   Service Charge
G830   Shipping and Handling
H090   Special Handling
H730   Tax - Local Sales Tax
Description: 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

Ref	ID	Name				
SAC03	559	**Agency Qualifier Code** **Description:** Code identifying the agency assigning the code values	C	ID	2/2	Used

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

Ref	ID	Name				
SAC04	1301	**Agency Service, Promotion, Allowance, or Charge Code** **Description:** Agency maintained code identifying the service, promotion, allowance, or charge **User Note:** *TC= Ticketing Service*	C	AN	1/10	Used
SAC05	610	**Amount** **Description:** Monetary amount **User Note:** *Total dolar amount of charge.*	O	N2	1/15	Must use
SAC06	378	**Allowance/Charge Percent Qualifier** **Description:** Code indicating on what basis allowance or charge percent is calculated	C	ID	1/1	Used

Code	Name
3	Discount/Gross

Ref	ID	Name				
SAC07	332	**Percent** **Description:** Percent expressed as a percent	C	R	1/6	Used
SAC12	331	**Allowance or Charge Method of Handling Code** **Description:** Code indicating method of handling for an allowance or charge	O	ID	2/2	Used

Code	Name
02	Off Invoice

ISS   Invoice Shipment Summary

Pos: 0900   **Max: 1**
Summary - Optional
Loop: ISS
Element

User Option (Usage): Used

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**	O	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**	O	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				

Code   **Name**

EA   Each

CTT Transaction Totals

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

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTT01	354	**Number of Line Items**		N0	1/6	M Must use
		Description: Total number of line items in the transaction set				
		User Note: *The number of IT1 segments present in the transaction set*				

SE   **Transaction Set Trailer**

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

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE01	96	**Number of Included Segments** **Description:** Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10	Must use
SE02	329	**Transaction Set Control Number** **Description:** 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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GE01	97	**Number of Transaction Sets Included** **Description:** Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	M	N0	1/6	Must use
GE02	28	**Group Control Number** **Description:** Assigned number originated and maintained by the sender	M	N0	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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IEA01	I16	**Number of Included Functional Groups** **Description:** A count of the number of functional groups included in an interchange	M	N0	1/5	Must use
IEA02	I12	**Interchange Control Number** **Description:** 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   *09061 0*2030*U*00401 *000003089*0*P*>~
GS*IN*002358463*014492501*2009061 0*2030*3089*X*00401 0VICS~
ST*810*30890001~
BIG*2009061 0*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****2009071 0*30~
DTM*01 1*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*2009061 0*7125902246*20090602*393422~
N1*BY*BOSCOV'S*92*00004~
N1*ST**92*0001 5~
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***JERSYLNRPL~
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~