810 Invoice - v4010 VICS

X12/V4010VICS/810

Version: 1.1 Final

Author: GXS/Open Text
Publication:
Modified: 1/22/2021

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 alf 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 VI CS 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: Christy Kissinger 1-610-370-3474

Nikki Dalton 1-610-370-3494

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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 "Al" in EBCDIC)

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

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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							
2600	N1	Name (ST)	M	1			Must use
2800	N3	Address Information	O	2			Used
2900	N4	Geographic Location	O	1			Used
3000	ITD	Terms of Sale/Deferred	M	>1			Must use

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Terms of Sale

Pos	Id	Segment Name	Req	Max use	Repeat	Notes	Usage
3100	DTM	Date/Time Reference	O	1			Used
3200	FOB	F.O.B. Related Instructions	O	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					**1000**		
0200	PID	Product/Item Description	M	1			

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

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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
ISAOI	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 102)

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 (101)

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 104)

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 (103)

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

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		being qualified All valid standard codes are used.				
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				
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				
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**	M	DT	6/6	Must use
		Description: Date of the interchange				
ISA10	I09	**Interchange Time**	M	TM	4/4	Must use
		Description: Time of the interchange				
ISA11	I10	**Interchange Control Standards Identifier**	M	ID	1/1	Must use
		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.				
ISA12	I11	**Interchange Control Version Number**	M	ID	5/5	Must use
		Description: This version number covers the interchange control segments				
		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				

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

Code   **Name**
0   No Acknowledgment Requested

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

Code   **Name**
P   Production Data
T   Test Data

ISA16	I15	**Component Element Separator**	M		1/1	Must use
		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				

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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 transactions 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	M	ID	2/2	Must use
		Description: Code identifying a Group of Application related transaction sets				
		Code Name				
		IN Invoice information (810,819)				
GS02	142	**Application Senders Code**	M	AN	2/15	Must use
		Description: Code identifying party sending transmission; codes agreed to by trading partners				
GS03	124	**Application Receivers Code**	M	AN	2/15	Must use
		Description: Code identifying party receiving transmission. Codes agreed to by trading partners				
		User Note 014492501				
		C L B O S				

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GS04	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as
CCYYMMDD

GS05	337	**Time**	M	TM		Must use

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)

GS06	28	**Group Control Number**	M	N0	1/9	Must use

Description: Assigned number originated
and maintained by the sender

GS07	455	**Responsible Agency Code**	M	ID	1/2	Must use

Description: Code used in conjunction with
Data Element 480 to identify the issuer of the
Standard

<u>Code</u>	<u>Name</u>
X	Accredited Standards Committee X12

Gs08	480	**Version / Release/ Industry Identifier Code**	M	AN	1/12	Must use

Description: Code indicating the version,
release, sub release, 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 sub release, 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

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ST   Transaction Set Header

Pos: 0100   Max 1

Heading - Mandatory
Loop: N/A   Elements:

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 <u>**Code**</u> <u>**Name**</u> 810 Invoice	M	ID	3/3	Must use
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

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BIG Beginning Segment for Invoice Pos: 0200   Max 1

Heading - Mandatory
Loop: N/A   Elements:

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

REF Reference Identification (IA)   Pos: 0500   Max 12

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	M	ID	2/2	Must use

Code   Name
DP   Department Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

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N1 Name (BY)

Pos: 2600   Max 1

Heading - Mandatory
Loop: N/A   Elements: 4

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				
		BY Buying Power (Purchaser)				
N102	93	**Name**	O	AN	1/60	Used
		Description: Free-form name				
N103	66	**Identification Code Qualifier**	M	ID	1 / 2	Must use
		Description: Code designating the system/method of code structure used for Identification Code (67)				
		Code Name				
		92 Assigned by Buyer or Buyers Agent				
N104	67	**Identification Code**	M	AN	5/5	Must use
		Description: Code identifying a party or Other code				
		User Note: 5-digit Boscov's Store Number				

N3 Address Information

Pos: 2800   Max 2

Heading - Optional
Loop: N1   Elements:

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**	O	AN	1/55	Must use
		Description: Address information				
N302	166	**Address information**	O	AN	1/55	Used
		Description: Address information				

N4 Geographic Location

Pos: 2900   Max 1

Heading - Optional
Loop: N1   Elements:

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

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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:

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**	O	AN	1/60	Must use
		Description: Free-form name				
N103	66	**Identification Code Qualifier**	M	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 Buyers Agent

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

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N3 Address Information

Pos: 2800   Max 2

Heading - Mandatory
Loop: N1   Elements:

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**	M	AN	1/55	Must use
		Description: Address information				
N302	166	**Address information**	O	AN	1/55	Used
		Description: Address information				

N4 Geographic Location

Pos: 2900   Max 1

Heading - Mandatory
Loop: N1   Elements:

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

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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 ITD02, 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 ITD02, ITD06, and ITD07 must be present (ITD03, ITD04, and ITD05 cannot be used)
4. If the code in TID01 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**	M	ID	2/2	Must use
		Description: Code identifying type of Payment terms				
		Code Name				
		02 End of Month (EOM)				
		05 Discount Not Applicable				
		08 Basic Discount Offered				
		12 10 Days After EOM				
ITD02	333	**Terms Basis Date Code**	M	ID	1 / 2	Must use
		Description: Code identifying the beginning Of the terms period				
		Code Name				
		3 Invoice date				
		User Note:				
		Same as BIG01				

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ITD03	338	**Terms Discount Percent**	C	R	1/6	Used
		Description: Terms discount percentage, Expressed as a percent, available to the Purchaser if an invoice is paid on or before The Terms Discount Due Date				
ITD04	370	**Terms Discount Due Date**	C	DT	8/8	Used
		Description: Date Payment is due if discount Is to be earned expressed in format CCYYMMDD				
ITD05	351	**Terms Discount Day Due**	C	N0	1/3	Used
		Description: Number of days in the terms Discount period by which payment is due if Terms discount is earned				
ITD06	446	**Terms Net Due Date**	M	DT	8/8	Must use
		Description: Date when total invoice amount Becomes due expressed in format CCYYMMDD				
ITD07	386	**Terms Net Days**	M	N0	1/3	Must use
		Description: Number of days until total Invoice amount is due (greater than zero(0))				

DTM   **Date/Time Reference**

Pos: 3100   Max 1

Heading - Optional
Loop: N/A   Elements: 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** Description: Code specifying type of date or Time, or both date and time **Code Name** 011 Shipped	M	ID	2/2	Must Use
DTM02	373	**Date** Date expressed as CCYYMMDD	C	DT	8/8	Used

FOB   F O B Related Instructions

Pos: 3200   Max 1

Heading - Optional
Loop: N/A   Elements:

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. The may be different than the location specified

Element Summary:

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

Code   Name
CC   Collect
PP   Prepaid (by Seller)

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

Code   Name
DE   Destination (Shipping)
FA   Factory

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N9   Reference Identification

Pos: 2810   Max 1

Heading - Optional
Loop: N/A   Elements: 2

User Option (Usage): Used

To transmit identifying numbers and descriptive information as specified by the reference number qualifier.

Used as a header record for the MSG segments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N901	128	**Reference Identification Qualifier**	M	ID	2/3	Must use
N902	127	**Reference Identification**	X	AN	1/30	Used
N902	369	**Free-form Description**	X	AN	1/45	Used

N9 Reference Identification

Pos: 2810   Max 1

Heading - Optional
Loop: N/A   Elements: 2

User Option (Usage): Used

To transmit identifying numbers and descriptive information as specified by the reference number qualifier.

Used as a header record for the MSG segments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N901	128	**Reference Identification Qualifier**	M	ID	2/3	Must use
N902	127	**Reference Identification**	X	AN	1/30	Used
N902	369	**Free-form Description**	X	AN	1/45	Used

Syntax Notes: At least one of 02 and 03 is required
If 06 is present, then 05 is required

MSG   **Message Text**

User Option (Usage): Must use

To provide a free-form format that would allow the transmission of text information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MSG01	933	**Free-Form Message Text**	M	AN	1/264	Must use

User Notes: MSG is mandatory if N9 is present

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IT1   Baseline Item Data (Invoice)   Pos: 0200   Max 1

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**	O	AN	1/20	Used
		Description: Alphanumeric characters Assigned for differentiation within a Transaction set				
IT102	358	**Quantity Invoiced**	M	R	1/10	Must use
		Description: Number of units invoiced (supplier units)				
IT103	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Must use
		Description: Code specifying in the units in Which a value is being expressed, or manner In which a measurement has been taken				
		Code Name				
		EA Each				
IT104	212	**Unit Price**	M	R	1/17	Must use
		Description: Price per unit of product, Service, commodity, ect				
IT105	639	**Basis of Unit Price Code**	O	ID	2/2	Used
		Description: Code identifying the type of unit Price for an item				
		Code Name				
		NC No Charge				
		WE Wholesale price per Each				
IT106	235	**Product/Service ID Qualifier**	C	ID	2/2	Must use
		Description: Code identifying the				

Type/source of the descriptive number used in
Product/Service ID (234)

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

IT107	234	**Product/Service ID**	C	AN	12/13	Must use

Description: Identifying number for a product
Or service

IT108	235	**Product/Service ID Qualifier**	C	ID	2/2	Used

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

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/Service ID**	C	AN	12/13	Used

Description: Identifying number for a product
Or service

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

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

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

IT111	234	Product/Service ID	C	AN	1/48	Used

Description: Identifying number for a product
Or service

IT112	235	**Product/Service ID**	C	ID	2/2	Used

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

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

IT113	234	**Product/Service ID**	C	AN	1/48	Used

Description: Identifying number for a product
Or service

IT114	235	**Product/Service ID**	C	AN	2/2	Used

Description: Code identifying the

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Type/source of the descriptive number used in
product/Service ID (234)

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

IT115	234	**Product/Service ID**	C	AN	1/48		Used

Description: Identifying number for a product
Or service

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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	**Item Description Type** Description: Code indicating the format of a Description F Freeform	M	ID	1/1	Must use
PID02	750	**Product/Process Characteristic Code** Description: Code identifying the general Class of a product or process characteristic **Code Name** 08 Product	M	ID	2/3	Must use
PID05	352	**Description** Description: A free-form description to clarify The related data elements and their content	M	AN	1/80	Must use

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TDS   Total Monetary Value Summary

Pos: 0100   Max 1

Summary - Mandatory

Loop: N/A   Elements:

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 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

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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 Motor (Common Carrier)	M	ID	1 / 2	Must use
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 of 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 **Code Name** BM Bill of Lading Number CN Carrier's Reference Number (PRO/Invoice)	O	ID	2/3	Used
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

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S A C   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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SACOI	248	**Allowance or Charge Indicator**	M	ID	1/1	Must use
		Description: Code which indicates an allowance or charge for the service specified				
		Code **Name**				
		A Allowance				
		CCharge				
SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	C	ID	4/4	Must use
		Description: Code identifying the service, promotion, allowance, or charge				
		Code **Name**				
		A260 Advertising Allowance				
		B720 Cooperative Advertising/Merchandising Allowance (Performance)				
		C000 Defective Allowance				
		C260 Discount - Incentive				
		C300 Discount - Special				
		C310 Discount				

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	C540	Early Buy Allowance				
	D240	Freight				
	D500	Handling				
	0920	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

SAC03	559	**Agency Qualifier Code**	C	ID	2/2	Used

Description: Code identifying the agency
Assigned the code values

Code   **Name**

VI   Voluntary Inter-Industry Commerce Standard (VICS) EDI

SAC04	1301	**Agency Service, Promotion, Allowance, or Charge Code**	C	AN	1/10	Used

Description: Agency maintained code
identifying the service, promotion, allowance,
or charge
User Note: TC= Ticketing Service

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SAC05	610	**Amount**	O	N2	1/15	Must use
		Description: Monetary amount				
		User Note: Total dollar amount of charge.				
SAC06	378	**Allowance/Charge Percent Qualifier**	C	ID	1/1	Used
		Description: Code indicating on what basis allowance or charge percent is calculated				

Code   Name
3   Discount/Gross

SAC07	332	**Percent**	C	R	1/6	Used
		Description: Percent expressed as a percent				
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   Elements:

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 Manufacture'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   Elements:

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** Description: Total number of line items in The transaction set **User Note:** The number of IT1 segments Present in the transaction set		N8	1/6	Use

SE **Transaction Set Trailer**

Pos: 1200   Max 1

Summary - Mandatory
Loop: N/A   Elements:

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**	M	N0	1/10	Must use
		Description: Total number of segments Including in a transaction set including ST and SE segments				
SE02	329	**Transaction Set Control Number**	M	AN	4/9	Must use
		Description: Identifying control number that Must be unique within the transaction set Functional group assigned by the originator for A transaction set				

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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. 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
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

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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

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Example

Sample Invoice Transaction

ISA*00*   *00*   *01*123456798   *09061 0*2030*U00401 *000003089*0*P*>~
GS*IN*002358463*014492501*20090601 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~
N9*LI*DISCLAIMER
MSG*Seller confirms~
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*18*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~
N9*LI*DISCLAIMER
MSG*Seller confirms~
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*22*30890002~
ST*810*30890003~
GE*2*3089~
IEA*1*000003089~

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