

Wal-Mart Stores, Inc.

Electronic Data Interchange Implementation Guideline
ANSI X12 Version 5010

**5
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810 Invoice

Business Usage: Invoice

EDI Direction: To Wal-Mart

Implementation Guide Version 1.6

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Wal-Mart Stores, Inc. Introduction to the 810 Invoice Transaction Set

The purpose of this section is to present and explain the usage of the 810 Invoice by Wal-Mart Stores, Inc.

Methods

Within the retail industry, two distinct methods for ordering and invoicing goods have been identified. The first, which we have named basic, is the most common. It is the billing of goods separately for each location, i.e., one store per invoice number assigned. The second, known as Spreadsheet, is not supported by Wal-Mart. **Wal-Mart Stores, Inc. only supports the basic method of invoicing.**

Functional Acknowledgments

The 997 Functional Acknowledgment is used by Wal-Mart Stores, Inc. to verify receipt of documents sent by our suppliers. Wal-Mart will create the 997 to acknowledge receipt of your documents within 24 hours. If a 997 is not received for invoice transmission(s), please contact EDI Supplier Support by telephone at (479) 273-8888.

Text Message

If errors are found in the data at the application level, i.e., GLN numbers missing, Wal-Mart Stores, Inc. will create an 864 Text Message. The 864 will be sent within 24 hours and will communicate the error(s) detected along with the invoice number(s). Data should be corrected and resent as soon as possible.

Pack/Inner Pack Usage

The PO4 segment is used to specify the packaging of the item in the case or carton. There may be two levels of the packaging specified. The first level of packaging is always specified by using PO401 (Pack). The first level may be actual items, e.g., consumer units, or it may be the number of smaller containers within the case. The second level, specified using PO414 (Inner Pack), is the number of eaches in each inner container when PO401 is the number of smaller containers with the case.

Business Changes

To support our growing company, Wal-Mart Stores, Inc. will be incorporating the following business changes into the 5010 upgrade.

Wal-Mart will utilize the **GTIN** (Global Traded Item Number) in EDI X12 Version 5010. GTIN information will be sent in addition to the UPC code. It will be the suppliers' responsibility to handle the information as their systems become GTIN compliant. For more information regarding GTIN, please visit the UCC (<www.uc-council.org>) in the U.S., the ECCC (<www.eccc.org>) in Canada, or the appropriate numbering organization for your country.

Wal-Mart Stores, Inc. Freight Charge Invoicing Overview

Freight changes must be invoiced separately from merchandise. Invoices for freight charges must be sent directly to the address listed below. Including freight charges on EDI invoices will cause your invoices to be rejected.

A paid freight bill and/or bill of lading **must** accompany freight charge invoices.

Wal-Mart does not support a Prepaid or ADD freight process. Any shipments for which Wal-Mart is responsible to pay freight **must be shipped collect**. Any invoice for freight billed by the supplier will be assessed a \$50 handling fee.

If the terms are **prepaid**, or if you have made special arrangements with the buyer or someone else at Wal-Mart, please provide a written explanation of the arrangements. Include names, phone numbers, dates, and any written correspondence along with the invoice for freight charges.

All invoices for freight charges must include a Wal-Mart vendor number and must have a unique invoice number. Invoices should reference the merchandise invoice number in order to expedite payment and allow for easier research.

Submit freight charges to the following address:

In the US:

Wal-Mart Transportation Services
Supplier Claims - 8076
702 S.W. 8th Street
Bentonville, AR 72716-8076

In Canada:

Wal-Mart Canada Corporation
Logistics Department - Supplier Claims
1940 Argentia Road
Mississauga, Ontario L5N 1P9

If you have further questions:

If you have any additional questions, comments, or concerns about freight charges and how to send them please contact the appropriate office listed below:

Wal-Mart US Traffic Financial Services - Supplier Claims
479-204-9941

Vendor Canada AP Hotline
905-812-2111 x4339

810 Invoice - Wal-Mart Stores, Inc. Usage

Functional Group ID=**IN**

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	0100	ST	Transaction Set Header	M	1		
M	0200	BIG	Beginning Segment for Invoice	M	1		
	0500	REF	Reference Information	O	12		
LOOP ID - N1						200	
	0700	N1	Party Identification	O	1		
	0900	N3	Party Location	O	2		
	1000	N4	Geographic Location	O	1		
	1300	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
	1400	DTM	Date/Time Reference	O	10		
	1500	FOB	F.O.B. Related Instructions	O	1		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - IT1						200000	
	0100	IT1	Baseline Item Data (Invoice)	O	1		
LOOP ID - PID						1000	
	0600	PID	Product/Item Description	O	1		
	1000	PO4	Item Physical Details	O	1		
LOOP ID - SAC						>1	
	1800	SAC	Service, Promotion, Allowance, or Charge Information	O	1		

Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	0100	TDS	Total Monetary Value Summary	M	1		
	0200	TXI	Tax Information	O	>1		
	0300	CAD	Carrier Details	O	1		
LOOP ID - SAC						>1	
	0400	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
LOOP ID - ISS						>1	
	0600	ISS	Invoice Shipment Summary	O	1		
	0700	CTT	Transaction Totals	O	1		n1
M	0800	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

- Number of line items (CTT01) is the accumulation of the number of IT1 segments. If used CTT02 is the hash total of the quantities invoiced (IT102) for each IT1 segment.

Wal-Mart Business Example of an 810 Document

<u>EDI TRANSMISSION DATA</u>	<u>EXPLANATION</u>
ST*810*0001	810 is the Transaction Set Identifier Code for the Invoicing Transaction Set 0001 is the Transaction Set Control Number .
BIG*20050205*6463367*20050202*3376103367	20050205 is the Date the invoice was issued. 6463367 is the Invoice Number . 20050202 is the Date the Wal-Mart Purchase Order was issued. 3376103367 is the Wal-Mart Purchase Order Number .
REF*IA*123456170	IA is the Reference Identification Qualifier . "IA" indicates "Internal Vendor Number". 123456170 is the Reference Identification containing the 9-digit Wal-Mart assigned supplier number.
REF*DP*00017	DP is the Reference Identification Qualifier . "DP" indicates "Department Number". 00017 is the Reference Identification containing the 5-digit Wal-Mart department number.
REF*MR*0020	MR is the Reference Identification Qualifier . "MR" indicates "Merchandise Type Code". 0020 is the Reference Identification containing the 4-digit Wal-Mart assigned order type.
N1*SU*SUPPLIER NAME	SU is the Entity Identifier Code . "SU" indicates "Supplier/Manufacturer". SUPPLIER NAME is the Name .
N1*ST*WAL-MART 100*UL*0078742000992	ST is the Entity Identifier Code . "ST" indicates "Ship To". WAL-MART 100 is the party Name . UL is the Identification Code Qualifier . "UL" indicates a Global Location Number (GLN). 0078742000992 is the Identification Code representing the Global Location Number (GLN) for the Wal-Mart location to be billed.
N3*406 SOUTH WALTON BLVD	406 SOUTH WALTON BLVD is the Address Information for the Wal-Mart location referenced in the N1 segment.
N4*BENTONVILLE*AR*72712	BENTONVILLE is the City Name . AR is the State or Province Code . 72712 is the Postal Code .
ITD*05*15*****45	05 is the Terms Type Code . "05" indicates "Discount Not Applicable". 15 is the Terms Basis Date Code . "15" indicates "Receipt of Goods". 45 is the Terms Net Days , indicating the number of days before the full invoice amount is due.
DTM*011*20050205	011 is the Date/Time Qualifier . "011" indicates "Shipped". 20050205 is the Date that the goods were shipped.
FOB*CC	CC is the Shipment Method of Payment . "CC" indicates "Collect".

IT1**1080*EA*3.61**IN*001719653*UP*022108955228*UK*00221089552284	1080 is the Quantity Invoiced . EA is the Unit or Basis for Measurement Code . “EA” indicates “Each”. 3.61 (\$3.61) is the Unit Price . IN is the Product/Service ID Qualifier . “IN” indicates “Buyer’s Item Number”. 001719653 is the Product/Service ID UP is the Product/Service ID Qualifier . “UP” indicates “UCC-12” or 12-digit UPC Number. 022108955228 is the Product/Service ID . UK is the Product/Service ID Qualifier “UK” indicates GLOBAL TRADED ITEM NUMBER (GTIN). 00221089552284 is the Product/Service ID .
PID**F****ITEM DESCRIPTION	F is the Item Description Type . “F” indicates “Free-form”. ITEM DESCRIPTION is the Description .
SAC*A*I410***2350*****02	A is the Allowance or Charge Indicator . “A” indicates Allowance. I410 is the Service, Promotion, Allowance, or Charge Code . “I410” indicates “Unsaleable Merchandise Allowance”. 2350 is the Amount . “2350” is interpreted as “23.50”. 02 is the Allowance or Charge Method of Handling Code . “02” indicates “Off Invoice Allowance”.
TDS*387530	387530 is the Amount of the invoice. “387530” is interpreted as “3875.30”.
CAD*T***RDWT*ROADWAY**BM*123456789	T is the Reference Identification Qualifier . “T” indicates “Best Way (Shippers Option)”. RDWT is the Standard Carrier Alpha Code . ROADWAY is the Routing description of the shipment. BM is the Reference Identification Qualifier . “BM” indicates “Bill of Lading Number”. 123456789 is a Reference Identification .
ISS*1080*EA*100*LB	1080 is the Number of Units Shipped . EA is the Unit or Basis for Measurement Code . “EA” indicates “Eaches”. 100 is the Weight . LB is the Unit or Basis for Measurement Code . “LB” indicates “Pound”.
CTT*1	1 is the number of line items in the transaction set.
SE*20*0001	20 is the total number of segments included in a transaction set including ST and SE segments. 0001 is the same control number as in the ST02 segment, identifying the transaction set.

Wal-Mart Business Example of a Canada 810 Document

<u>EDI TRANSMISSION DATA</u>	<u>EXPLANATION</u>
ST*810*0001	810 is the Transaction Set Identifier Code for the Invoicing Transaction Set 0001 is the Transaction Set Control Number .
BIG*20050205*6463367*20050202*3376103367	20050205 is the invoice issue Date . 6463367 is the Invoice Number . 20050202 is the Wal-Mart Purchase Order Date . 3376103367 is the purchase order number.
REF*IA*123456170	IA is the Reference Identification Qualifier . "IA" indicates "Internal Vendor Number". 123456170 is the Reference Identification containing the 9-digit Wal-Mart assigned supplier number.
REF*DP*00017	DP is the Reference Identification Qualifier . "DP" indicates "Department Number". 00017 is the Reference Identification containing the 5-digit Wal-Mart department number.
REF*MR*0020	MR is the Reference Identification Qualifier . "MR" indicates "Merchandise Type Code". 0020 is the Reference Identification containing the 4-digit Wal-Mart assigned order type.
N1*SU*SUPPLIER NAME	SU is the Entity Identifier Code . "SU" indicates "Supplier/Manufacturer". SUPPLIER NAME is the Name .
N1*ST*WAL-MART 3642*UL*0681131002646	ST is the Entity Identifier Code . "ST" indicates "Ship To". WAL-MART #3642 is the Name . "3642" indicates Wal-Mart Store 3642. UL is the Identification Code Qualifier . "UL" indicates a Global Location Number (GLN). 0681131002646 is the Identification Code representing the Global Location Number (GLN) for the Wal-Mart location to be billed.
N3*500 VOIE DE DESSERTTE RT# 132	500 VOIE DE DESSERTTE RT# 132 is the Address Information for the Wal-Mart location referenced in the N1 segment.
N4*ST CONSTANT*PQ*J5A 2E7	ST CONSTANT is the City Name . PQ is the State or Province Code . J5A 2E7 is the Postal Code .
ITD*05*15*****45	05 is the Terms Type Code . "05" indicates "Discount Not Applicable". 15 is the Terms Basis Date Code . "15" indicates "Receipt of Goods". 45 is the Terms Net Days , indicating the number of days before the full invoice amount is due.
DTM*011*20050205	011 is the Date/Time Qualifier . "011" indicates "Shipped". 20050205 is the Date that the goods were shipped.
FOB*CC	CC is the Shipment Method of Payment . "CC" indicates "Collect".

IT1**1080*CA*3.61**IN*001719653*UP*022108955228*UK*00221089552284	<p>1080 is the Quantity Invoiced. CA is the Unit or Basis for Measurement Code. “CA” indicates “Case”. 3.61 (\$3.61) is the Unit Price. IN is the Product/Service ID Qualifier. “IN” indicates “Buyer’s Item Number”. 001719653 is the Product/Service ID. UP is the Product/Service ID Qualifier. “UP” is the code for “UCC-12” or 12-digit UPC Number. 022108955228 is the Product/Service ID. UK is the Product/Service ID Qualifier “UK” is the code for GLOBAL TRADED ITEM NUMBER (GTIN). 00221089552284 is the Product/Service ID.</p>
PID*F****ITEM DESCRIPTION	<p>F is the Item Description Type. “F” indicates “Free-form”. ITEM DESCRIPTION is the item Description.</p>
PO4*12*****1	<p>12 is the PACK. “12” indicates 12 selling units. 1 is the INNER PACK. 1” indicates one selling unit per inner pack.</p>
SAC*A*I410***19394*****02	<p>A is the Allowance or Charge Indicator. “A” indicates “Allowance”. I410 is the Service, Promotion, Allowance, or Charge Code. “I410” indicates “Unsaleable Merchandise Allowance”. 19394 is the Amount. “19394” is interpreted as “193.94”. 02 is the Allowance or Charge Method of Handling Code. “02” indicates “Off Invoice”.</p>
TDS*422170	<p>422170 is the Amount of the invoice. It is interpreted as “4221.70”.</p>
TXI*GS*201.39*5*****687649098RT0001	<p>GS is the Tax Type Code. “GS” indicates “Goods and Services Tax”. 201.39 is the Monetary Amount. “201.39” is interpreted as “201.39”. 5 is the Percent. “5” indicates “5%”. 687649098RT0001 is the Tax Identification Number.</p>
TXI*PG*302.08*7.5*SP*QST****1098765743TQ0001	<p>PG is the Tax Type Code. “PG” indicates “State or Provincial Tax on Goods”. 302.08 is the Monetary Amount. “302.08” is interpreted as “302.08” US Dollars. 7.5 is the Percent. “7.5” indicates “7.5%”. SP is a Tax Jurisdiction Code Qualifier. “SP” indicates “State or Province”. QST is the Tax Jurisdiction Code. “QST” indicates “Quebec State Tax”. 1098765743TQ0001 is the Tax Identification Number.</p>
CAD*T***RDWT*ROADWAY**BM*123456789	<p>T is the Reference Identification Qualifier. “T” indicates “Best Way (Shippers Option)”. RDWT is the Standard Carrier Alpha Code. ROADWAY is the Routing description of the shipment. BM is the Reference Identification Qualifier. “BM” indicates “Bill of Lading Number”. 123456789 is a Reference Identification.</p>
ISS*1080*EA*100*LB	<p>1080 is the Number of Units Shipped. EA is the Unit or Basis for Measurement Code. “EA” indicates “Eaches”. 100 is the Weight. LB is the Unit or Basis for Measurement Code. “LB” indicates “Pound”.</p>
CTT*1	<p>1 is the number of line items in the transaction set.</p>

SE*23*0001

23 is the **Number of Included Segments** in the transaction set including the ST and SE segments.
0001 is the **Transaction Set Control Number**.

Canada TXI Segment Usage for Invoices

Effective January 1, 2008, these tax rates will change to GST 5% and HST 13%, as demonstrated below.

IF SHIPPING TO NOVA SCOTIA, NEW BRUNSWICK OR NEW FOUNDLAND,
YOU WILL NEED TO USE THE FOLLOWING:

TXI*BE*AMOUNT*13***9 DIGIT 2 ALPHA 4 DIGIT TAX REGISTRATION NUMBER**

IF SHIPPING TO QUEBEC,:

IF YOU ARE REGISTERED FOR QST: YOU WILL NEED TO SEND TWO TXI SEGMENTS

There is a limit of two TXI segments. These can only be sent at summary level.

TXI*GS*AMOUNT*5***9 DIGIT 2 ALPHA 4 DIGIT REGISTRATION NUMBER**

TXI*PG*AMOUNT*7.5*SP*QST***10 DIGIT 2 ALPHA 4 DIGIT REGISTRATION NUMBER**

IF NOT REGISTERED FOR QST: SEND ONLY ONE TXI SEGMENT WITH A GS QUALIFIER.

TXI*GS*AMOUNT*5***9 DIGIT 2 ALPHA 4 DIGIT REGISTRATION NUMBER**

IF SHIPPING TO ANYWHERE ELSE, YOU WILL NEED TO USE:

TXI*GS*AMOUNT*5***9 DIGIT 2 ALPHA 4 DIGIT REGISTRATION NUMBER**

To get the TDS total of the Canada Invoices, follow the steps listed below:

1. Find the total of the IT1 segments:

Multiply IT1 02 by IT1 04.

Do this for each IT1 segment in the invoice.

Then, add each IT1 total to get the grand total, or the total of all IT1 segments.

2. Subtract Allowances from the Invoice.

If the invoice has a SAC "OFF INVOICE ALLOWANCE",

Subtract the SAC 05 from the grand total of the IT1s.

If the invoice does not have a SAC off Invoice allowance, ignore this step.

3. Obtain the TXI 02 tax amount.

Take the total from the IT1 segments and multiply it by the tax percentage.

The tax percentage depends on the ship to location of the merchandise.

4. Calculate the TDS 01 total of the Invoice.

Add the Tax amount to the total of the IT1 segments and this will give you the TDS 01.

Only if the vendor is registered, for Quebec, should you move on to Step Five.

5. Calculate the QST tax amount and final total of the Invoice.

Take the total from Step Four and multiply by the tax percentage. This will give you the tax amount for the second TXI 02. Finally, add the tax amount to the TDS 01.

Please Note: If the items are non-taxable, the TXI segment is still required.

EXAMPLE: TXI*GS*0*Tax Percent***9 DIGIT 2 ALPHA 4 DIGIT REGISTRATION NUMBER.**

For more information regarding current tax percentages, please visit the Canada Revenue Agency website: <http://www.cra-arc.gc.ca/menu-e.html>.

Segment: **ST** Transaction Set Header
Position: 0100
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes:

- 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
- 2 The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition. When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.

Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
M	ST01	143 Transaction Set Identifier Code Code uniquely identifying a Transaction Set	M 1 ID 3/3
M	ST02	329 Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set The number is sequentially assigned by the sender, starting with one within each functional group. For each functional group, the first transaction set control number will be 0001 and incremented by one for each additional transaction set within the group.	M 1 AN 4/9
	ST03	1705 <i>Implementation Convention Reference</i> <i>Reference assigned to identify Implementation Convention</i>	O 1 AN 1/35

Segment: **BIG** Beginning Segment for Invoice
Position: 0200
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates

Syntax Notes:

Semantic Notes:

- 1 BIG01 is the invoice issue date.
- 2 BIG03 is the date assigned by the purchaser to purchase order.
- 3 BIG10 is the consolidated invoice number associated with the invoice identified in BIG02. When BIG07 contains code CI (Consolidated Invoice), BIG02 will contain the consolidated invoice number and BIG10 is not used.

Comments:

- 1 BIG07 is used only to further define the type of invoice when needed.

Data Element Summary

Ref.	Data Element	Name	Attributes
M	BIG01	373 Date	M 1 DT 8/8
		Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	
M	BIG02	76 Invoice Number	M 1 AN 1/22
		Identifying number assigned by issuer	
		<u>Wal-Mart will only accept a maximum of 15 digits for the invoice number. The Accounts Payable system will only post numeric characters. For example: if invoice number 123456AB is sent, it will post in accounts payable as 123456.</u>	
	BIG03	373 Date	O 1 DT 8/8
		Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	
		<u>Wal-Mart's original purchase order date</u>	
	BIG04	324 Purchase Order Number	O 1 AN 1/22
		Identifying number for Purchase Order assigned by the orderer/purchaser	
		<u>Wal-Mart's original purchase order number</u>	
	BIG05	328 Release Number	O 1 AN 1/30
		Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	
	BIG06	327 Change Order Sequence Number	O 1 AN 1/8
		Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set	
	BIG07	640 Transaction Type Code	O 1 ID 2/2
		Code specifying the type of transaction	
	BIG08	353 Transaction Set Purpose Code	O 1 ID 2/2
		Code identifying purpose of transaction set	
	BIG09	306 Action Code	O 1 ID 1/2
		Code indicating type of action	
	BIG10	76 Invoice Number	O 1 AN 1/22
		Identifying number assigned by issuer	
	BIG11	1005 Hierarchical Structure Code	O 1 ID 4/4
		Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set	

Segment: **REF** Reference Information
Position: 0500
Loop:
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 REF04 contains data relating to the value cited in REF02.

Comments:
Notes:

This segment contains the Wal-Mart assigned 9-digit Supplier Number.
This segment is required by Wal-Mart Stores, Inc.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification Identification number assigned to the vendor, by the retailer, for use within the retailer's system IA Internal Vendor Number	M 1 ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier. Wal-Mart Assigned 9-digit Supplier Number.	X 1 AN 1/50
	REF03	352	Description A free-form description to clarify the related data elements and their content	X 1 AN 1/80
	REF04	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O 1
	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3
	C04002	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/50
	C04003	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
	C04004	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/50
	C04005	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
	C04006	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/50

Segment: **REF** Reference Information
Position: 0500
Loop:
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 REF04 contains data relating to the value cited in REF02.

Comments:
Notes: **This segment contains the Wal-Mart Department Number.**

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification	M 1 ID 2/3
			Identification number assigned to the vendor, by the retailer, for use within the retailer's system	
			DP Department Number	
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X 1 AN 1/50
			Wal-Mart 5 digit Department Number. Must be zero padded to 5 digits	
	REF03	352	Description A free-form description to clarify the related data elements and their content	X 1 AN 1/80
	REF04	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O 1
	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3
	C04002	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/50
	C04003	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
	C04004	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/50
	C04005	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
	C04006	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/50

Segment: **REF** Reference Information
Position: 0500
Loop:
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 REF04 contains data relating to the value cited in REF02.

Comments:
Notes: **This segment contains the Wal-Mart Order Type.**

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification	M 1 ID 2/3
			Identification number assigned to the vendor, by the retailer, for use within the retailer's system	
		MR	Merchandise Type Code	
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X 1 AN 1/50
			Wal-Mart 4 digit Order Type. Must be zero padded to 4 digits.	
	REF03	352	<i>**Deleted From Dictionary**</i> <i>A free-form description to clarify the related data elements and their content</i>	X 1 AN 1/80
	REF04	C040	Reference Identifier <i>To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier</i>	O 1
	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3
	C04002	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/50
	C04003	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
	C04004	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/50
	C04005	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
	C04006	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/50

Segment: **N1 Party Identification**
Position: 0700
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 2 N105 and N106 further define the type of entity in N101.
Notes: **This segment is required by Wal-Mart Stores, Inc**

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
M	N101	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual SU Supplier/Manufacturer	M 1 ID 2/3
	N102	93 Name Free-form name	X 1 AN 1/60
	N103	66 Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67)	X 1 ID 1/2
<u>This element is not required by Wal-Mart Stores, Inc., but is recommended</u>			
		1 D-U-N-S Number, Dun & Bradstreet	
		9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		UL Global Location Number (GLN) A globally unique 13 digit code for the identification of a legal, functional or physical location within the Uniform Code Council (UCC) and International Article Number Association (EAN) numbering system	
	N104	67 Identification Code Code identifying a party or other code	X 1 AN 2/80
<u>This is the location code as defined by N103. The location code may be a formal number, e.g., DUNS, or it may be assigned by either the buyer or seller. The location refers to a store, warehouse, distribution center, plant, etc. Location codes are used to alleviate the need to send complete names and addresses. This element is not required by Wal-Mart Stores, Inc., but is recommended.</u>			
	N105	706 <i>Entity Relationship Code</i> Code describing entity relationship	O 1 ID 2/2
	N106	98 <i>Entity Identifier Code</i> Code identifying an organizational entity, a physical location, property or an individual	O 1 ID 2/3

Segment: **N1** Party Identification
Position: 0700
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 2 N105 and N106 further define the type of entity in N101.
Notes: **This segment is required by Wal-Mart Stores, Inc.**

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
M	N101	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual ST Ship To <u>This element is required by Wal-Mart Stores, Inc.</u>	M 1 ID 2/3
	N102	93 Name Free-form name <u>The appropriate 4-digit store or warehouse location code should be sent; for example, WAL-MART WHSE# 6009 or WAL-MART STORE 0100</u>	X 1 AN 1/60
	N103	66 Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) <u>This element is required by Wal-Mart Stores, Inc.</u> UL Global Location Number (GLN) A globally unique 13 digit code for the identification of a legal, functional or physical location within the Uniform Code Council (UCC) and International Article Number Association (EAN) numbering system	X 1 ID 1/2
	N104	67 Identification Code Code identifying a party or other code <u>This is the location code as defined by N103. The location code may be a formal number, e.g., DUNS, or it may be assigned by either the buyer or seller. The location refers to a store, warehouse, distribution center, plant, etc. Location codes are used to alleviate the need to send complete names and addresses.</u> <u>This element is required by Wal-Mart Stores, Inc.</u>	X 1 AN 2/80
	N105	706 Entity Relationship Code Code describing entity relationship	O 1 ID 2/2
	N106	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	O 1 ID 2/3

Segment: N3 Party Location
Position: 0900
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
M	N301	166	Address Information Address information	M 1 AN 1/55
	N302	166	Address Information Address information	O 1 AN 1/55

Segment: **N4 Geographic Location**
Position: 1000
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes:

- 1 Only one of N402 or N407 may be present.
- 2 If N406 is present, then N405 is required.
- 3 If N407 is present, then N404 is required.

Semantic Notes:
Comments:

- 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
- 2 N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
N401	19	City Name Free-form text for city name	O 1 AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	X 1 ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O 1 ID 3/15
N404	26	Country Code Code identifying the country	X 1 ID 2/3
N405	309	Location Qualifier Code identifying type of location	X 1 ID 1/2
N406	310	Location Identifier Code which identifies a specific location	O 1 AN 1/30
N407	1715	Country Subdivision Code Code identifying the country subdivision	X 1 ID 1/3

Segment: **ITD** Terms of Sale/Deferred Terms of Sale
Position: 1300
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify terms of sale
Syntax Notes:

- 1 If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.
- 2 If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.
- 3 If ITD09 is present, then at least one of ITD10 or ITD11 is required.

Semantic Notes:

- 1 ITD15 is the percentage applied to a base amount used to determine a late payment charge.

Comments:

- 1 If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

Notes: **For usage examples, see the Wal-Mart Business Example.**
Only one ITD segment is allowed per invoice and this segment is required by Wal-Mart Stores, Inc.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
ITD01	336	Terms Type Code	O 1 ID 2/2
		Code identifying type of payment terms	
		<u>This element is required by Wal-Mart Stores, Inc.</u>	
		02 End of Month (EOM)	
		05 Discount Not Applicable	
		08 Basic Discount Offered	
ITD02	333	Terms Basis Date Code	O 1 ID 1/2
		Code identifying the beginning of the terms period	
		<u>This element is required by Wal-Mart Stores, Inc.</u>	
		1 Ship Date	
		3 Invoice Date	
		7 Effective Date	
		<u>The date is specified in the DTM segment in the header area using code 007 in DTM01.</u>	
		15 Receipt of Goods	
ITD03	338	Terms Discount Percent	O 1 R 1/6
		Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date	
		<u>The percent is sent with a decimal point only when needed, e.g., 10.5% is sent as "10.5", and 2% is sent as "2".</u>	
		<u>This element is required if ITD05 is present.</u>	
ITD04	370	<i>Terms Discount Due Date</i>	X 1 DT 8/8
		<i>Date payment is due if discount is to be earned expressed in format CCYYMMDD where CC represents the first two digits of the calendar year</i>	
ITD05	351	Terms Discount Days Due	X 1 N0 1/3
		Number of days in the terms discount period by which payment is due if terms discount is earned	
		<u>The end of the term period is derived by adding this value to the beginning of the term period, as qualified by ITD02.</u>	
		<u>This element is required if ITD03 is present.</u>	
ITD06	446	<i>Terms Net Due Date</i>	O 1 DT 8/8
		<i>Date when total invoice amount becomes due expressed in format CCYYMMDD where CC represents the first two digits of the calendar year</i>	
ITD07	386	Terms Net Days	O 1 N0 1/3

Number of days until total invoice amount is due (discount not applicable)

**The end of the term period is derived by adding this value to the beginning of the term period, as qualified by ITD02.
This element is required by Wal-Mart Stores, Inc.**

ITD08	362	Terms Discount Amount	O	1	N2 1/10
		Total amount of terms discount			
<i>ITD09</i>	<i>388</i>	<i>Terms Deferred Due Date</i>	<i>O</i>	<i>1</i>	<i>DT 8/8</i>
		<i>Date deferred payment or percent of invoice payable is due expressed in format CCYYMMDD where CC represents the first two digits of the calendar year</i>			
<i>ITD10</i>	<i>389</i>	<i>Deferred Amount Due</i>	<i>X</i>	<i>1</i>	<i>N2 1/10</i>
		<i>Deferred amount due for payment</i>			
<i>ITD11</i>	<i>342</i>	<i>Percent of Invoice Payable</i>	<i>X</i>	<i>1</i>	<i>R 1/5</i>
		<i>Amount of invoice payable expressed in percent</i>			
ITD12	352	Description	O	1	AN 1/80
		A free-form description to clarify the related data elements and their content			
<i>ITD13</i>	<i>765</i>	<i>Day of Month</i>	<i>X</i>	<i>1</i>	<i>N0 1/2</i>
		<i>The numeric value of the day of the month between 1 and the maximum day of the month being referenced</i>			
<i>ITD14</i>	<i>107</i>	<i>Payment Method Type Code</i>	<i>O</i>	<i>1</i>	<i>ID 1/2</i>
		<i>Code identifying type of payment procedures</i>			
<i>ITD15</i>	<i>954</i>	<i>Percentage as Decimal</i>	<i>O</i>	<i>1</i>	<i>R 1/10</i>
		<i>Percentage expressed as a decimal (e.g., 0.0 through 1.0 represents 0% through 100%)</i>			

Segment: **DTM** Date/Time Reference
Position: 1400
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:

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

Semantic Notes:
Comments:

Notes: **This segment is required by Wal-Mart Stores, Inc.**

Data Element Summary

Ref.	Data Element	Name	Attributes
M	DTM01	Date/Time Qualifier Code specifying type of date or time, or both date and time	M 1 ID 3/3
		If the order has not been shipped by this date, the order is considered canceled	
		011 Shipped	
	DTM02	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	X 1 DT 8/8
	DTM03	Time 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)	X 1 TM 4/8
	DTM04	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	O 1 ID 2/2
	DTM05	Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format	X 1 ID 2/3
	DTM06	Date Time Period Expression of a date, a time, or range of dates, times or dates and times	X 1 AN 1/35

Segment: **DTM** Date/Time Reference
Position: 1400
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:

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

Semantic Notes:
Comments:

Notes: **This segment is required by Wal-Mart Stores, Inc. only when terms are based on Effective Date.**

Data Element Summary

Ref.	Data Element	Name	Attributes
M	DTM01	374 Date/Time Qualifier Code specifying type of date or time, or both date and time If the order has not been shipped by this date, the order is considered canceled 007 Effective For terms	M 1 ID 3/3
	DTM02	373 Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	X 1 DT 8/8
	DTM03	337 Time 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)	X 1 TM 4/8
	DTM04	623 Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	O 1 ID 2/2
	DTM05	1250 Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format	X 1 ID 2/3
	DTM06	1251 Date Time Period Expression of a date, a time, or range of dates, times or dates and times	X 1 AN 1/35

Segment: **FOB** F.O.B. Related Instructions
Position: 1500
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify transportation instructions relating to shipment
Syntax Notes:

- 1 If FOB03 is present, then FOB02 is required.
- 2 If FOB04 is present, then FOB05 is required.
- 3 If FOB07 is present, then FOB06 is required.
- 4 If FOB08 is present, then FOB09 is required.

Semantic Notes:

- 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.

Comments:
Notes: **This segment is required by Wal-Mart Stores, Inc.**

Data Element Summary

Ref.	Data Element	Name	Attributes	
			M	1 ID 2/2
M	FOB01	146 Shipment Method of Payment Code identifying payment terms for transportation charges CC Collect PP Prepaid (by Seller)	M	1 ID 2/2
	FOB02	309 Location Qualifier Code identifying type of location	X	1 ID 1/2
	FOB03	352 Description A free-form description to clarify the related data elements and their content	O	1 AN 1/80
	FOB04	334 Transportation Terms Qualifier Code Code identifying the source of the transportation terms	O	1 ID 2/2
	FOB05	335 Transportation Terms Code Code identifying the trade terms which apply to the shipment transportation responsibility	X	1 ID 3/3
	FOB06	309 Location Qualifier Code identifying type of location	X	1 ID 1/2
	FOB07	352 Description A free-form description to clarify the related data elements and their content	O	1 AN 1/80
	FOB08	54 Risk of Loss Code Code specifying where responsibility for risk of loss passes	O	1 ID 2/2
	FOB09	352 Description A free-form description to clarify the related data elements and their content	X	1 AN 1/80

Segment: **IT1** **Baseline Item Data (Invoice)**
Position: 0100
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

- Syntax Notes:**
- 1 If any of IT102 IT103 or IT104 is present, then all are required.
 - 2 If either IT106 or IT107 is present, then the other is required.
 - 3 If either IT108 or IT109 is present, then the other is required.
 - 4 If either IT110 or IT111 is present, then the other is required.
 - 5 If either IT112 or IT113 is present, then the other is required.
 - 6 If either IT114 or IT115 is present, then the other is required.
 - 7 If either IT116 or IT117 is present, then the other is required.
 - 8 If either IT118 or IT119 is present, then the other is required.
 - 9 If either IT120 or IT121 is present, then the other is required.
 - 10 If either IT122 or IT123 is present, then the other is required.
 - 11 If either IT124 or IT125 is present, then the other is required.

Semantic Notes: 1 IT101 is the line item identification.

- Comments:**
- 1 Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.
 - 2 IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: **This segment is required by Wal-Mart Stores, Inc.**

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
IT101	350	Assigned Identification <i>Alphanumeric characters assigned for differentiation within a transaction set</i>	O 1 AN 1/20
IT102	358	Quantity Invoiced Number of units invoiced (supplier units)	X 1 R 1/15
IT103	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken CA Case EA Each	X 1 ID 2/2
<u>If cases are used as the unit of measure, then the PO4 segment must be sent to indicate the number of eaches in the case. Needs to match the PO or Item Setup</u>			
IT104	212	Unit Price Price per unit of product, service, commodity, etc. The price is sent with a decimal point only when needed, e.g., \$15.95 would be sent as "15.95", and \$29.00 would be sent as "29". To indicate a no charge item or free goods, IT104 will contain a single zero (0) and IT105 will contain code NC.	X 1 R 1/17
IT105	639	Basis of Unit Price Code <i>Code identifying the type of unit price for an item</i> <i>This data element is used to clarify or alter the basis of unit price. The unit price expressed in IT104 is always in the same terms as the unit of measure in IT103, unless otherwise specified in IT105.</i>	O 1 ID 2/2
IT106	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X 1 ID 2/2

		CH	Country of Origin Code <u>This qualifier to be used for Country of Origin Labeling Act compliance only.</u>			
		EN	EAN/UCC - 13 Data structure for the 13 digit EAN.UCC (EAN International Uniform Code Council) Global Trade Identification Number (GTIN)			
		IN	Buyer's Item Number <u>Wal-Mart Item Number.</u>			
		LT	Lot Number <u>This qualifier to be used for Country of Origin Labeling Act compliance only.</u>			
		UI	U.P.C. Consumer Package Code (1-5-5) <u>11 digit UPC# without check digit.</u>			
		UK	GTIN 14-digit Data Structure Data structure for the 14 digit EAN.UCC (EAN International Uniform Code Council) Global Trade Item Number (GTIN)			
		UP	UCC - 12 Data structure for the 12 digit EAN.UCC (EAN International Uniform Code Council) Global Trade Identification Number (GTIN). Also known as the Universal Product Code (U.P.C.)			
		ZZ	Mutually Defined <u>This qualifier to be used for Country of Origin Labeling Act compliance only.</u>			
IT107	234	Product/Service ID		X	1	AN 1/48
			Identifying number for a product or service			
IT108	235	Product/Service ID Qualifier		X	1	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		CH	Country of Origin Code <u>This qualifier to be used for Country of Origin Labeling Act compliance only.</u>			
		EN	EAN/UCC - 13 Data structure for the 13 digit EAN.UCC (EAN International Uniform Code Council) Global Trade Identification Number (GTIN)			
		IN	Buyer's Item Number <u>Wal-Mart Item Number</u>			
		LT	Lot Number <u>This qualifier to be used for Country of Origin Labeling Act compliance only.</u>			
		UI	U.P.C. Consumer Package Code (1-5-5) <u>11 digit UPC# without check digit.</u>			
		UK	GTIN 14-digit Data Structure Data structure for the 14 digit EAN.UCC (EAN International Uniform Code Council) Global Trade Item Number (GTIN)			
		UP	UCC - 12 Data structure for the 12 digit EAN.UCC (EAN International Uniform Code Council) Global Trade Identification Number (GTIN). Also known as the Universal Product Code (U.P.C.)			
		ZZ	Mutually Defined <u>This qualifier to be used for Country of Origin Labeling Act compliance only.</u>			

		<u>Labeling Act compliance only.</u>		
IT109	234	Product/Service ID	X	1 AN 1/48
		Identifying number for a product or service		
IT110	235	Product/Service ID Qualifier	X	1 ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
	CH	Country of Origin Code		
		<u>This qualifier to be used for Country of Origin Labeling Act compliance only.</u>		
	EN	EAN/UCC - 13		
		Data structure for the 13 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN)		
	IN	Buyer's Item Number		
		<u>Wal-Mart Item Number</u>		
	LT	Lot Number		
		<u>This qualifier to be used for Country of Origin Labeling Act compliance only.</u>		
	UI	U.P.C. Consumer Package Code (1-5-5)		
		<u>11 digit UPC# without check digit.</u>		
	UK	GTIN 14-digit Data Structure		
		Data structure for the 14 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Item Number (GTIN)		
	UP	UCC - 12		
		Data structure for the 12 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN). Also known as the Universal Product Code (U.P.C.)		
	ZZ	Mutually Defined		
		<u>This qualifier to be used for Country of Origin Labeling Act compliance only.</u>		
IT111	234	Product/Service ID	X	1 AN 1/48
		Identifying number for a product or service		
IT112	235	Product/Service ID Qualifier	X	1 ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
	CH	Country of Origin Code		
		<u>This qualifier to be used for Country of Origin Labeling Act compliance only.</u>		
	EN	EAN/UCC - 13		
		Data structure for the 13 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN)		
	IN	Buyer's Item Number		
		<u>Wal-Mart Item Number</u>		
	LT	Lot Number		
		<u>This qualifier to be used for Country of Origin Labeling Act compliance only.</u>		
	UI	U.P.C. Consumer Package Code (1-5-5)		
		<u>11 digit UPC# without check digit.</u>		
	UK	GTIN 14-digit Data Structure		
		Data structure for the 14 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Item Number (GTIN)		

		UP	UCC - 12 Data structure for the 12 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN). Also known as the Universal Product Code (U.P.C.)			
		ZZ	Mutually Defined			
			<u>This qualifier to be used for Country of Origin Labeling Act compliance only.</u>			
IT113	234	Product/Service ID		X	1	AN 1/48
			Identifying number for a product or service			
IT114	235	Product/Service ID Qualifier		X	1	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		CH	Country of Origin Code			
			<u>This qualifier to be used for Country of Origin Labeling Act compliance only.</u>			
		EN	EAN/UCC - 13 Data structure for the 13 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN)			
		IN	Buyer's Item Number			
			<u>Wal-Mart Item Number</u>			
		LT	Lot Number			
			<u>This qualifier to be used for Country of Origin Labeling Act compliance only.</u>			
		UI	U.P.C. Consumer Package Code (1-5-5)			
			<u>11 digit UPC# without check digit.</u>			
		UK	GTIN 14-digit Data Structure Data structure for the 14 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Item Number (GTIN)			
		UP	UCC - 12 Data structure for the 12 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN). Also known as the Universal Product Code (U.P.C.)			
		ZZ	Mutually Defined			
			<u>This qualifier to be used for Country of Origin Labeling Act compliance only.</u>			
IT115	234	Product/Service ID		X	1	AN 1/48
			Identifying number for a product or service			
IT116	235	Product/Service ID Qualifier		X	1	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		CH	Country of Origin Code			
			<u>This qualifier to be used for Country of Origin Labeling Act compliance only.</u>			
		EN	EAN/UCC - 13 Data structure for the 13 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN)			
		IN	Buyer's Item Number			
			<u>Wal-Mart Item Number</u>			
		LT	Lot Number			
			<u>This qualifier to be used for Country of Origin Labeling Act compliance only.</u>			

		UI	U.P.C. Consumer Package Code (1-5-5) <u>11 digit UPC# without check digit.</u>			
		UK	GTIN 14-digit Data Structure Data structure for the 14 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Item Number (GTIN)			
		UP	UCC - 12 Data structure for the 12 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN). Also known as the Universal Product Code (U.P.C.)			
		ZZ	Mutually Defined <u>This qualifier to be used for Country of Origin Labeling Act compliance only.</u>			
IT117	234	Product/Service ID		X	1	AN 1/48
			Identifying number for a product or service			
IT118	235	Product/Service ID Qualifier		X	1	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		CH	Country of Origin Code <u>This qualifier to be used for Country of Origin Labeling Act compliance only.</u>			
		EN	EAN/UCC - 13 Data structure for the 13 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN)			
		IN	Buyer's Item Number <u>Wal-Mart Item Number</u>			
		LT	Lot Number <u>This qualifier to be used for Country of Origin Labeling Act compliance only.</u>			
		UI	U.P.C. Consumer Package Code (1-5-5) <u>11 digit UPC# without check digit.</u>			
		UK	GTIN 14-digit Data Structure Data structure for the 14 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Item Number (GTIN)			
		UP	UCC - 12 Data structure for the 12 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN). Also known as the Universal Product Code (U.P.C.)			
		ZZ	Mutually Defined <u>This qualifier to be used for Country of Origin Labeling Act compliance only.</u>			
IT119	234	Product/Service ID		X	1	AN 1/48
			Identifying number for a product or service			
IT120	235	Product/Service ID Qualifier		X	1	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		CH	Country of Origin Code <u>This qualifier to be used for Country of Origin Labeling Act compliance only.</u>			
		EN	EAN/UCC - 13 Data structure for the 13 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade			

IN	Identification Number (GTIN) Buyer's Item Number Wal-Mart Item Number
LT	Lot Number This qualifier to be used for Country of Origin Labeling Act compliance only.
UI	U.P.C. Consumer Package Code (1-5-5) 11 digit UPC# without check digit.
UK	GTIN 14-digit Data Structure Data structure for the 14 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Item Number (GTIN)
UP	UCC - 12 Data structure for the 12 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN). Also known as the Universal Product Code (U.P.C.)
ZZ	Mutually Defined This qualifier to be used for Country of Origin Labeling Act compliance only.

IT121	234	Product/Service ID	X	1	AN 1/48
		Identifying number for a product or service			
<i>IT122</i>	<i>235</i>	<i>Product/Service ID Qualifier</i>	<i>X</i>	<i>1</i>	<i>ID 2/2</i>
		<i>Code identifying the type/source of the descriptive number used in Product/Service ID (234)</i>			
<i>IT123</i>	<i>234</i>	<i>Product/Service ID</i>	<i>X</i>	<i>1</i>	<i>AN 1/48</i>
		<i>Identifying number for a product or service</i>			
<i>IT124</i>	<i>235</i>	<i>Product/Service ID Qualifier</i>	<i>X</i>	<i>1</i>	<i>ID 2/2</i>
		<i>Code identifying the type/source of the descriptive number used in Product/Service ID (234)</i>			
<i>IT125</i>	<i>234</i>	<i>Product/Service ID</i>	<i>X</i>	<i>1</i>	<i>AN 1/48</i>
		<i>Identifying number for a product or service</i>			

Segment: **PID** Product/Item Description
Position: 0600
Loop: PID Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To describe a product or process in coded or free-form format
Syntax Notes:

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

Semantic Notes:

- 1 Use PID03 to indicate the organization that publishes the code list being referred to.
- 2 PID04 should be used for industry-specific product description codes.
- 3 PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
- 4 PID09 is used to identify the language being used in PID05.

Comments:

- 1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
- 2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.
- 3 PID07 specifies the individual code list of the agency specified in PID03.

Notes: **The PID segment is used to provide product/item descriptions in text and or coded formats.**

Data Element Summary

Ref.	Data Element	Name	Attributes
M	PID01	349 Item Description Type Code indicating the format of a description F Free-form The description will be found in PID05.	M 1 ID 1/1
	PID02	750 Product/Process Characteristic Code Code identifying the general class of a product or process characteristic	O 1 ID 2/3
	PID03	559 Agency Qualifier Code Code identifying the agency assigning the code values	X 1 ID 2/2
	PID04	751 Product Description Code A code from an industry code list which provides specific data about a product characteristic	X 1 AN 1/12
	PID05	352 Description A free-form description to clarify the related data elements and their content This element should contain the item description.	X 1 AN 1/80
	PID06	752 Surface/Layer/Position Code Code indicating the product surface, layer or position that is being described	O 1 ID 2/2
	PID07	822 Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier	O 1 AN 1/15
	PID08	1073 Yes/No Condition or Response Code Code indicating a Yes or No condition or response	O 1 ID 1/1
	PID09	819 Language Code Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)	O 1 ID 2/3

Segment: **PO4** Item Physical Details

Position: 1000

Loop: IT1 Optional

Level: Detail

Usage: Optional

Max Use: 1

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

Syntax Notes:

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

Semantic Notes:

- 1 PO415 is used to indicate the relative layer of this package or range of packages within the layers of packaging. Relative Position 1 (value R1) is the innermost package.
- 2 PO416 is the package identifier or the beginning package identifier in a range of identifiers.
- 3 PO417 is the ending package identifier in a range of identifiers.
- 4 PO418 is the number of packages in this layer.

Comments:

- 1 PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the unit of measure of the "Size" identified in the PO402. For example: If the carton contains 24 12-Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ".
- 2 PO413 defines the unit of measure for PO410, PO411, and PO412.

Notes:

This segment is used to specify the packaging of the item in the case or carton

This segment identifies the number of selling units in a case. This segment is required if billing in cases (IT103 contains a "CA" code). Do not send if billing in eaches (IT103 contains an "EA" code).

Data Element Summary

Ref.	Data	Attributes	
		Element	Name
PO401	356	Pack	O 1 N0 1/6
			The number of inner containers, or number of eaches if there are no inner containers, per outer container
PO402	357	Size	X 1 R 1/8
			Size of supplier units in pack
PO403	355	Unit or Basis for Measurement Code	X 1 ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
PO404	103	Packaging Code	X 1 AN 3/5
			Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required
PO405	187	Weight Qualifier	O 1 ID 1/2
			Code defining the type of weight
PO406	384	Gross Weight per Pack	X 1 R 1/9
			Numeric value of gross weight per pack
PO407	355	Unit or Basis for Measurement Code	X 1 ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

PO408	385	Gross Volume per Pack Numeric value of gross volume per pack	X	1	R 1/9
PO409	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X	1	ID 2/2
PO410	82	Length Largest horizontal dimension of an object measured when the object is in the upright position	X	1	R 1/8
PO411	189	Width Shorter measurement of the two horizontal dimensions measured with the object in the upright position	X	1	R 1/8
PO412	65	Height Vertical dimension of an object measured when the object is in the upright position	X	1	R 1/8
PO413	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X	1	ID 2/2
PO414	810	Inner Pack The number of eaches per inner container	O	1	N0 1/6
PO415	752	Surface/Layer/Position Code Code indicating the product surface, layer or position that is being described	O	1	ID 2/2
PO416	350	Assigned Identification	X	1	AN 1/20
PO417	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	O	1	AN 1/20
PO418	1470	Number A generic number	O	1	N0 1/9

Segment: SAC Service, Promotion, Allowance, or Charge Information
Position: 1800
Loop: SAC Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

- Syntax Notes:**
- 1 At least one of SAC02 or SAC03 is required.
 - 2 If either SAC03 or SAC04 is present, then the other is required.
 - 3 If either SAC06 or SAC07 is present, then the other is required.
 - 4 If either SAC09 or SAC10 is present, then the other is required.
 - 5 If SAC11 is present, then SAC10 is required.
 - 6 If SAC14 is present, then SAC13 is required.
 - 7 If SAC16 is present, then SAC15 is required.

- Semantic Notes:**
- 1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
 - 2 SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
 - 3 SAC08 is the allowance or charge rate per unit.
 - 4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
 - 5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
 - 6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
 - 7 SAC16 is used to identify the language being used in SAC15.

- Comments:**
- 1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction with SAC03 to further define SAC02.
 - 2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Notes: **There is one segment for each Allowance, Charge, Service, or Promotion being specified. If this segment appears in the summary area of the transaction set, the data applies to the entire transaction set. If this segment appears in the detail area of the transaction set, the data applies only to that line item. The data specified in the summary area is exclusive of the data specified in the detail area; it is not the sum of the data in the detail area, i.e., allowances or charges.**

Data Element Summary

Ref.	Data	Attributes		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	SAC01	248	**Deleted From Dictionary** Code which indicates an allowance or charge for the service specified A Allowance C Charge	M 1 ID 1/1
	SAC02	1300	Service, Promotion, Allowance, or Charge Code Code identifying the service, promotion, allowance, or charge A260 Advertising Allowance B000 Central Buy B270 Collect Surcharge Collection Allowance B720 Cooperative Advertising/Merchandising Allowance	X 1 ID 4/4

	(Performance)
B950	Damaged Merchandise
C000	Defective Allowance
C310	Discount
C320	Display Allowance
C490	Drum Deposit
C530	Duty Charge
C540	Early Buy Allowance
C550	Early Payment Allowance
C580	Emergency Service
D170	Free Goods
D240	Freight
	<u>Accepted as an allowance only; charges not accepted with this code.</u>
D500	Handling
E720	New Distribution Allowance
E740	New Store Allowance
E750	New Store Discount
F180	Pallet
F210	Parish/County Sales Tax (only)
	<u>County Excise Tax</u>
F330	Pickup and Delivery
F670	Price and Marketing Allowance
F800	Promotional Allowance
F910	Quantity Discount
F970	Rebate
G470	Restocking Charge
	<u>Restocking Fee</u>
G970	Small Order Charge
	<u>Order Quantity Fee</u>
H010	Special Buy
H420	Storage in Transit
H560	Swell Allowance
H750	Tax - Sales Tax (State and Local)
	<u>Precollected/Prepaid Sales Tax</u>
H770	Tax - State Tax
	<u>State Excise Tax</u>
H780	Tax - Super Fund Excise Tax
	<u>Federal Superfund</u>
H910	Temperature Protection
H920	Temporary Allowance
I170	Trade Discount
I310	Truckload Discount
I410	Unsaleable Merchandise Allowance
I530	Volume Discount
I570	Warehouse

<i>SAC03</i>	<i>559</i>	<i>Agency Qualifier Code</i>	<i>X</i>	<i>1 ID 2/2</i>
		<i>Code identifying the agency assigning the code values</i>		
<i>SAC04</i>	<i>1301</i>	<i>Agency Service, Promotion, Allowance, or Charge Code</i>	<i>X</i>	<i>1 AN 1/10</i>
		<i>Agency maintained code identifying the service, promotion, allowance, or charge</i>		

SAC05	610	Amount Monetary amount	O	1	N2 1/15
<p>This element will resolve any differences between the sender's and receiver's system calculations of amounts, i.e., rounding errors when allowances or charges are expressed in percentages or rates. Two decimal places are assumed. Example: 1526 will be interpreted as 15.26.</p> <p><u>This element is required by Wal-Mart Stores, Inc.</u></p>					
SAC06	378	Allowance/Charge Percent Qualifier Code indicating on what basis allowance or charge percent is calculated	X	1	ID 1/1
		1	Item List Cost		
		2	Item Net Cost		
		3	Discount/Gross		
<p>All allowances are off the gross price including cash discount.</p>					
		4	Discount/Net		
<p>All allowances are off the gross price. Cash discounts are off the net price.</p>					
		5	Base Price per Unit		
<p>Line item discount</p>					
		6	Base Price Amount		
		7	Base Price Amount Less Previous Discount		
<p>Declining balance method</p>					
SAC07	332	Percent, Decimal Format Percent given in decimal format (e.g., 0.0 through 100.0 represents 0% through 100%)	X	1	R 1/6
<p>The percent is sent with a decimal point only when needed, e.g., 10.5% is sent as "10.5", and 2% is sent as "2".</p>					
SAC08	118	Rate Rate expressed in the standard monetary denomination for the currency specified	O	1	R 1/9
SAC09	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X	1	ID 2/2
		CA	Case		
		EA	Each		
SAC10	380	Quantity Numeric value of quantity	X	1	R 1/15
<p>When SAC02 contains code D170, this data element is required and will contain the quantity of free goods. The unit of measure is in SAC09. SAC10 alone is used to indicate a specific quantity which could be a dollar amount, that is applicable to the service, promotion, allowance, or charge.</p>					
SAC11	380	<i>Quantity</i> <i>Numeric value of quantity</i>	O	1	R 1/15
SAC12	331	Allowance or Charge Method of Handling Code Code indicating method of handling for an allowance or charge	O	1	ID 2/2
		02	Off Invoice		
<p>The allowance or charge amount will be reflected in the total transaction amount, e.g., Total Invoice Amount = Merchandise Price + Charges - Allowances.</p>					
		06	Charge to be Paid by Customer		
<p>When the order/item is a direct ship to the customer, or end consumer of the retailer, the allowance or</p>					

charge amount is the responsibility of the customer or end consumer. If it is not a drop ship to the customer of the retailer, then the allowance or charge amount is the responsibility of the retailer. The exact method of adjudication has been agreed to by the trading partners. The amount will not be reflected in the total invoice amount.

<i>SAC13</i>	<i>127</i>	<i>Reference Identification</i>	<i>X</i>	<i>1</i>	<i>AN 1/50</i>
		<i>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier</i>			
<i>SAC14</i>	<i>770</i>	<i>Option Number</i>	<i>O</i>	<i>1</i>	<i>AN 1/20</i>
		<i>A unique number identifying available promotion or allowance options when more than one is offered</i>			
<i>SAC15</i>	<i>352</i>	<i>Description</i>	<i>X</i>	<i>1</i>	<i>AN 1/80</i>
		<i>A free-form description to clarify the related data elements and their content</i>			
<i>SAC16</i>	<i>819</i>	<i>Language Code</i>	<i>O</i>	<i>1</i>	<i>ID 2/3</i>
		<i>Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)</i>			

Segment: **TDS** Total Monetary Value Summary
Position: 0100
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To specify the total invoice discounts and amounts
Syntax Notes:
Semantic Notes:

- 1 TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).
- 2 TDS02 indicates the amount upon which the terms discount amount is calculated.
- 3 TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).
- 4 TDS04 indicates the total amount of terms discount.

Comments:

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

Notes: **This segment is required by Wal-Mart Stores, Inc.**

Data Element Summary

Ref.	Data Element	Name	Attributes			
			M	1	N2	1/15
M	TDS01	610 Amount Monetary amount	M	1	N2	1/15
<u>Two decimal places are assumed. Example: 1526 will be interpreted as 15.26</u>						
	TDS02	610 Amount Monetary amount	O	1	N2	1/15
	TDS03	610 Amount Monetary amount	O	1	N2	1/15
	TDS04	610 Amount Monetary amount	O	1	N2	1/15

Segment: **TXI** Tax Information
Position: 0200
Loop:
Level: Summary
Usage: Optional
Max Use: >1
Purpose: To specify tax information
Syntax Notes:

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

Semantic Notes:

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

Comments:
Notes:

This segment is to be sent for Canada invoices only. Wal-Mart will only accept two occurrences of the TXI segment, and only at the summary level. Usage of the TXI is as follows:

Example 1: TXI with code BE in TXI01 (Harmonized Sales Tax); only one TXI segment is sent.

Example 2: TXI with code GS in TXI01 (Goods and Services Tax); only one TXI segment is sent.

Example 3: TXI with code GS in TXI01 (Goods and Services Tax) along with an additional TXI with code PG in TXI01 (Provincial Sales Tax); two TXI segments are sent. When code PG is sent in TXI01, TXI05 must also be sent.

For more information regarding taxes, please see page 11 of this Guide. Also, for current tax percentages, please visit the Canada Revenue Agency Website: <http://www.cra-arc.gc.ca/menu-e.html>

Data Element Summary

Ref.	Data Element	Name	Attributes
M	TXI01	963 Tax Type Code Code specifying the type of tax BE Harmonized Sales Tax Canadian HST GS Goods and Services Tax Canadian value-added tax Canadian GST PG State or Provincial Tax on Goods Canadian QST	M 1 ID 2/2
	TXI02	782 Monetary Amount Monetary amount The amount is sent with a decimal point only when needed, e.g., \$15.95 would be sent as "15.95", and \$29.00 would be sent as "29".	X 1 R 1/18
	TXI03	954 Percentage as Decimal Percentage expressed as a decimal (e.g., 0.0 through 1.0 represents 0% through 100%) The percent is sent with a decimal point only when needed, e.g., 10.5% is sent as "10.5", and 2% is sent as "2".	X 1 R 1/10
	TXI04	955 Tax Jurisdiction Code Qualifier Code identifying the source of the data used in tax jurisdiction code This data element is used only when TXI01 contains code PG. SP State or Province	X 1 ID 2/2
	TXI05	956 Tax Jurisdiction Code Code identifying the taxing jurisdiction This data element is used only when TXI01 contains code PG and is used	X 1 AN 1/10

		to identify the corresponding state or province.		
TXI06	441	Tax Exempt Code Code identifying exemption status from sales and use tax	X	1 ID 1/1
TXI07	662	Relationship Code Code indicating the relationship between entities	O	1 ID 1/1
TXI08	828	Dollar Basis For Percent Dollar basis to be used in the percent calculation of the allowance, charge or tax	O	1 R 1/9
TXI09	325	Tax Identification Number Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number HST and GST are (9 digits 2 alpha 4 digits), QST is (10 digits 2 alpha 4 digits).	O	1 AN 1/20
TXI10	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	O	1 AN 1/20

Segment: **CAD** Carrier Details

Position: 0300

Loop:

Level: Summary

Usage: Optional

Max Use: 1

Purpose: To specify transportation details for the transaction

Syntax Notes: 1 At least one of CAD05 or CAD04 is required.

2 If CAD07 is present, then CAD08 is required.

Semantic Notes:

Comments:

Notes:

This segment may be used in the detail area or the summary area, but not both. CAD04 may be used to identify a specific private parcel service provider. **This segment is only required for backhaul shipments, but is recommended for all shipments. If this is a backhaul shipment, the CN qualifier is sent in the CAD07 and the Wal-Mart Load Number is sent in the CAD08. If this is not a backhaul shipment, then the Bill of Lading number is sent. The CAD07 will include a BM qualifier and CAD08 will contain the Bill of Lading number. This segment must be sent in the summary level.**

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
CAD01	91	Transportation Method/Type Code T Best Way (Shipper's Option) Code specifying the method or type of transportation for the shipment	M 1 ID 1/2
CAD02	206	<i>Equipment Initial</i> Prefix or alphabetic part of an equipment unit's identifying number	O 1 AN 1/4
CAD03	207	<i>Equipment Number</i> Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	O 1 AN 1/15
CAD04	140	Standard Carrier Alpha Code Standard Carrier Alpha Code	X 1 ID 2/4
CAD05	387	Routing Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	X 1 AN 1/35
CAD06	368	<i>Shipment/Order Status Code</i> Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction	O 1 ID 2/2
CAD07	128	Reference Identification Qualifier Code qualifying the Reference Identification BM Bill of Lading Number CN Carrier's Reference Number (PRO/Invoice)	O 1 ID 2/3
CAD08	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X 1 AN 1/50
CAD09	284	<i>Service Level Code</i> Code indicating the level of transportation service or the billing service offered by the transportation carrier	O 1 ID 2/2

Segment: SAC Service, Promotion, Allowance, or Charge Information
Position: 0400
Loop: SAC Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

- Syntax Notes:**
- 1 At least one of SAC02 or SAC03 is required.
 - 2 If either SAC03 or SAC04 is present, then the other is required.
 - 3 If either SAC06 or SAC07 is present, then the other is required.
 - 4 If either SAC09 or SAC10 is present, then the other is required.
 - 5 If SAC11 is present, then SAC10 is required.
 - 6 If SAC14 is present, then SAC13 is required.
 - 7 If SAC16 is present, then SAC15 is required.

- Semantic Notes:**
- 1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
 - 2 SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
 - 3 SAC08 is the allowance or charge rate per unit.
 - 4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
 - 5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
 - 6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
 - 7 SAC16 is used to identify the language being used in SAC15.

- Comments:**
- 1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction with SAC03 to further define SAC02.
 - 2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Notes: There is one segment for each Allowance, Charge, Service, or Promotion being specified. If this segment appears in the summary area of the transaction set, the data applies to the entire transaction set. If this segment appears in the detail area of the transaction set, the data applies only to that line item. The data specified in the summary area is exclusive of the data specified in the detail area; it is not the sum of the data in the detail area, i.e., allowances or charges.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
M	SAC01	248 Allowance or Charge Indicator	M 1 ID 1/1
		Code which indicates an allowance or charge for the service specified	
		A Allowance	
		C Charge	
	SAC02	1300 Service, Promotion, Allowance, or Charge Code	X 1 ID 4/4
		Code identifying the service, promotion, allowance, or charge	
		A260 Advertising Allowance	
		B000 Central Buy	
		B270 Collect Surcharge	
		B720 Cooperative Advertising/Merchandising Allowance (Performance)	

B860	Customs Broker Fee
B950	Damaged Merchandise
C000	Defective Allowance
C310	Discount
C320	Display Allowance
C490	Drum Deposit
C530	Duty Charge
C540	Early Buy Allowance
C550	Early Payment Allowance
C580	Emergency Service
	<u>Emergency Order Fee</u>
D170	Free Goods
D240	Freight
	<u>Accepted as an allowance only; charges not accepted with this code.</u>
D500	Handling
E720	New Distribution Allowance
E740	New Store Allowance
E750	New Store Discount
F180	Pallet
F210	Parish/County Sales Tax (only)
F910	Quantity Discount
F920	Quantity Surcharge
F970	Rebate
G470	Restocking Charge
	<u>Restocking Fee</u>
G970	Small Order Charge
	<u>Order Quantity Fee</u>
H010	Special Buy
H420	Storage in Transit
H560	Swell Allowance
H750	Tax - Sales Tax (State and Local)
	<u>Precollected/Prepaid Sales Tax</u>
H770	Tax - State Tax
	<u>State Excise Tax</u>
H780	Tax - Super Fund Excise Tax
	<u>Federal Superfund</u>
H910	Temperature Protection
H920	Temporary Allowance
I170	Trade Discount
I310	Truckload Discount
I410	Unsaleable Merchandise Allowance
I530	Volume Discount
I570	Warehouse

<i>SAC03</i>	<i>559</i>	<i>Agency Qualifier Code</i>	<i>X</i>	<i>1</i>	<i>ID 2/2</i>
		<i>Code identifying the agency assigning the code values</i>			
<i>SAC04</i>	<i>1301</i>	<i>Agency Service, Promotion, Allowance, or Charge Code</i>	<i>X</i>	<i>1</i>	<i>AN 1/10</i>
		<i>Agency maintained code identifying the service, promotion, allowance, or charge</i>			
SAC05	610	Amount	O	1	N2 1/15
		Monetary amount			

This element will resolve any differences between the sender's and receiver's system calculations of amounts, i.e., rounding errors when allowances or charges are expressed in percentages or rates. Two decimal places are assumed.

This element is required by Wal-Mart Stores, Inc..

SAC06	378	Allowance/Charge Percent Qualifier	X	1	ID 1/1
		Code indicating on what basis allowance or charge percent is calculated			
		1			Item List Cost
		2			Item Net Cost
		3			Discount/Gross
					All allowances are off the gross price including cash discount.
		4			Discount/Net
					All allowances are off the gross price. Cash discounts are off the net price.
		5			Base Price per Unit
					Line item discount
		7			Base Price Amount Less Previous Discount
					Declining balance method
SAC07	332	Percent, Decimal Format	X	1	R 1/6
		Percent given in decimal format (e.g., 0.0 through 100.0 represents 0% through 100%)			
		The percent is sent with a decimal point only when needed, e.g., 10.5% is sent as "10.5", and 2% is sent as "2".			
SAC08	118	Rate	O	1	R 1/9
		Rate expressed in the standard monetary denomination for the currency specified			
SAC09	355	Unit or Basis for Measurement Code	X	1	ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
		CA			Case
		EA			Each
SAC10	380	Quantity	X	1	R 1/15
		Numeric value of quantity			
		When SAC02 contains code D170, this data element is required and will contain the quantity of free goods. The unit of measure is in SAC09. SAC10 alone is used to indicate a specific quantity which could be a dollar amount, that is applicable to the service, promotion, allowance, or charge.			
SAC11	380	<i>Quantity</i>	O	1	R 1/15
		<i>Numeric value of quantity</i>			
SAC12	331	Allowance or Charge Method of Handling Code	O	1	ID 2/2
		Code indicating method of handling for an allowance or charge			
		02			Off Invoice
					The allowance or charge amount will be reflected in the total transaction amount, e.g., Total Invoice Amount = Merchandise Price + Charges - Allowances.
		06			Charge to be Paid by Customer
					When the order/item is a direct ship to the customer, or end consumer of the retailer, the allowance or charge amount is the responsibility of the customer or end consumer. If it is not a drop ship to the customer of the retailer, then the allowance or charge amount is the responsibility of the retailer. The exact method of adjudication has been agreed to by the trading partners. The amount will not be

reflected in the total invoice amount.
This code is only used if SAC01 contains a "C".

SAC13	127	Reference Identification	X	1	AN 1/50
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
SAC14	770	Option Number	O	1	AN 1/20
		A unique number identifying available promotion or allowance options when more than one is offered			
SAC15	352	Description	X	1	AN 1/80
		A free-form description to clarify the related data elements and their content			
SAC16	819	Language Code	O	1	ID 2/3
		Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)			

Segment: **ISS** Invoice Shipment Summary
Position: 0600
Loop: ISS Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To specify summary details of total items shipped in terms of quantity, weight, and volume

- Syntax Notes:**
- 1 At least one of ISS01 ISS03 or ISS05 is required.
 - 2 If either ISS01 or ISS02 is present, then the other is required.
 - 3 If either ISS03 or ISS04 is present, then the other is required.
 - 4 If either ISS05 or ISS06 is present, then the other is required.

- Semantic Notes:**
- 1 ISS07 is the quantity of third party pallets.
 - 2 ISS08 is the gross weight of third party pallets in pounds.

Comments:

Notes:

When used by the alcohol beverage industry, a single ISS segment is used to specify the total number of cases, bottles, etc., for which the customer is being invoiced. Additional iterations of the ISS/PID segments are used to summarize the total number of wine gallons, spirit gallons, etc. This segment is required by Wal-Mart Stores, Inc.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
ISS01	382	Number of Units Shipped Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	X 1 R 1/10
ISS02	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken CA Case EA Each	X 1 ID 2/2
ISS03	81	Weight Numeric value of weight	X 1 R 1/10
ISS04	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken KG Kilogram LB Pound	X 1 ID 2/2
ISS05	183	<i>Volume</i> <i>Value of volumetric measure</i>	X 1 R 1/8
ISS06	355	<i>Unit or Basis for Measurement Code</i> <i>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken</i>	X 1 ID 2/2
ISS07	380	<i>Quantity</i> <i>Numeric value of quantity</i>	O 1 R 1/15
ISS08	81	<i>Weight</i> <i>Numeric value of weight</i>	O 1 R 1/10

Segment: CTT Transaction Totals
Position: 0700
Loop:
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes: 1 If either CTT03 or CTT04 is present, then the other is required.
 2 If either CTT05 or CTT06 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.
Notes: **This segment is required by Wal-Mart Stores, Inc.**

Data Element Summary

Ref.	Data Element	Name	Attributes
M	CTT01	354 Number of Line Items Total number of line items in the transaction set The number of IT1 segments present in the transaction set	M 1 N0 1/6
	CTT02	347 Hash Total <i>Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.</i> <i>Example:</i> -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. 18E2 Fifth occurrence of value being hashed. ----- 1873 Hash Total	O 1 R 1/10
	CTT03	81 Weight Numeric value of weight	X 1 R 1/10
	CTT04	355 Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X 1 ID 2/2
	CTT05	183 Volume Value of volumetric measure	X 1 R 1/8
	CTT06	355 Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X 1 ID 2/2
	CTT07	352 Description A free-form description to clarify the related data elements and their content	O 1 AN 1/80

Segment: **SE** Transaction Set Trailer
Position: 0800
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Syntax Notes:

Semantic Notes:

Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M 1 N0 1/10
M	SE02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set This must be the same number as is in the ST segment (ST02) for the transaction set.	M 1 AN 4/9

ANSI X12 Introduction to the 810 Invoice Transaction Set

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.

ANSI X12 Standards - 810 Invoice

Heading:

Function Group ID = **IN**

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	0100	ST	Transaction Set Header	M	1		
M	0200	BIG	Beginning Segment for Invoice	M	1		
	0300	NTE	Note/Special Instruction	O	100		
	0400	CUR	Currency	O	1		
	0500	REF	Reference Identification	O	12		
	0550	YNQ	Yes/No Question	O	10		
	0600	PER	Administrative Communications Contact	O	3		
LOOP ID - N1						200	
	0700	N1	Name	O	1		
	0800	N2	Additional Name Information	O	2		
	0900	N3	Address Information	O	2		
	1000	N4	Geographic Location	O	1		
	1100	REF	Reference Identification	O	12		
	1200	PER	Administrative Communications Contact	O	3		
	1250	DMG	Demographic Information	O	1		
	1300	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
	1400	DTM	Date/Time Reference	O	10		
	1500	FOB	F.O.B. Related Instructions	O	1		
	1600	PID	Product/Item Description	O	200		
	1700	MEA	Measurements	O	40		
	1800	PWK	Paperwork	O	25		
	1900	PKG	Marking, Packaging, Loading	O	25		
	2000	L7	Tariff Reference	O	1		
	2120	BAL	Balance Detail	O	>1		
	2130	INC	Installment Information	O	1		
	2140	PAM	Period Amount	O	>1		
	2145	CRC	Conditions Indicator	O	1		
LOOP ID - LM						10	
	2200	LM	Code Source Information	O	1		
M	2300	LQ	Industry Code	M	100		
LOOP ID - N9						1	
	2400	N9	Reference Identification	O	1		
M	2500	MSG	Message Text	M	10		
LOOP ID - V1						>1	
	2600	V1	Vessel Identification	O	1		
	2700	R4	Port or Terminal	O	>1		
	2800	DTM	Date/Time Reference	O	>1		
LOOP ID - FA1						>1	
	2900	FA1	Type of Financial Accounting Data	O	1		
M	3000	FA2	Accounting Data	M	>1		

Detail:

<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - IT1						200000
0100	IT1	Baseline Item Data (Invoice)	O	1		
0120	CRC	Conditions Indicator	O	1		
0150	QTY	Quantity	O	5		n1
0200	CUR	Currency	O	1		
0300	IT3	Additional Item Data	O	5		
0400	TXI	Tax Information	O	>1		
0500	CTP	Pricing Information	O	25		
0550	PAM	Period Amount	O	10		
0590	MEA	Measurements	O	40		
LOOP ID - PID						1000
0600	PID	Product/Item Description	O	1		
0700	MEA	Measurements	O	10		
0800	PWK	Paperwork	O	25		
0900	PKG	Marking, Packaging, Loading	O	25		
1000	PO4	Item Physical Details	O	1		
1100	ITD	Terms of Sale/Deferred Terms of Sale	O	2		
1200	REF	Reference Identification	O	>1		
1250	YNQ	Yes/No Question	O	10		
1300	PER	Administrative Communications Contact	O	5		
1400	SDQ	Destination Quantity	O	500		
1500	DTM	Date/Time Reference	O	10		
1600	CAD	Carrier Detail	O	>1		
1700	L7	Tariff Reference	O	>1		
1750	SR	Requested Service Schedule	O	1		
LOOP ID - SAC						>1
1800	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
LOOP ID - TXI						>1
1900	TXI	Tax Information	O	1		
1950	DTM	Date/Time Reference	O	1		
LOOP ID - SLN						1000
2000	SLN	Subline Item Detail	O	1		
2050	DTM	Date/Time Reference	O	1		
2100	REF	Reference Identification	O	>1		
2200	PID	Product/Item Description	O	1000		
2300	SAC	Service, Promotion, Allowance, or Charge Information	O	25		
2350	TC2	Commodity	O	2		
2370	TXI	Tax Information	O	>1		
LOOP ID - N1						200
2400	N1	Name	O	1		
2500	N2	Additional Name Information	O	2		
2600	N3	Address Information	O	2		
2700	N4	Geographic Location	O	1		
2800	REF	Reference Identification	O	12		
2900	PER	Administrative Communications Contact	O	3		

	2950	DMG	Demographic Information	O	1	
			LOOP ID - LM		10	
	3000	LM	Code Source Information	O	1	
M	3100	LQ	Industry Code	M	100	
			LOOP ID - V1		>1	
	3200	V1	Vessel Identification	O	1	
	3300	R4	Port or Terminal	O	>1	
	3400	DTM	Date/Time Reference	O	>1	
			LOOP ID - FA1		>1	
	3500	FA1	Type of Financial Accounting Data	O	1	
M	3600	FA2	Accounting Data	M	>1	

Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	0100	TDS	Total Monetary Value Summary	M	1		
	0200	TXI	Tax Information	O	>1		
	0300	CAD	Carrier Detail	O	1		
	0350	AMT	Monetary Amount	O	>1		
			LOOP ID - SAC		>1		
	0400	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
	0450	DTM	Date/Time Reference	O	>1		
			LOOP ID - TXI		>1		
	0500	TXI	Tax Information	O	1		
	0550	DTM	Date/Time Reference	O	1		
			LOOP ID - ISS		>1		
	0600	ISS	Invoice Shipment Summary	O	1		
	0650	PID	Product/Item Description	O	1		
	0700	CTT	Transaction Totals	O	1		n2
M	0800	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. The QTY segment is used to specify a quantity of units which are expected as payments, e.g., trade-ins or returns.
2. Number of line items (CTT01) is the accumulation of the number of IT1 segments. If used CTT02 is the hash total of the quantities invoiced (IT102) for each IT1 segment.

VICS Introduction to the 810 Invoice Transaction Set

The purpose of this section is to present and explain the application of the ASC X12 standards as they pertain to the retail industry implementation of the Invoice Transaction Set.

Within the retail industry, two distinct methods for ordering and invoicing goods have been identified. The first, which we have named basic, is the most common. It is the billing of goods separately for each location, i.e., one store per invoice number assigned. The second type, which we have called spreadsheet, is utilized to bill for the same item for multiple locations, i.e., a specific quantity of one item is distributed over a variety of locations, but ordered under a single retailer purchase order number and billed using one vendor's invoice. The actual quantity to each location need not be the same.

The spreadsheet type invoice usually implies redistribution by the vendor that is packaged for the store and either sent directly to the store or to a central location (distribution center). In addition, the spreadsheet invoice allows a one-to-one correlation between the original spreadsheet purchase order and the invoice. It should be noted that all suppliers may not have the capability of sending spreadsheet invoices.

Consolidated Invoicing

NOTE: Wal-Mart does not support consolidated invoicing. This section is provided for information purposes only.

The term summary or Consolidated Invoice (CI) means different things to different individuals. Most of the disagreement on exactly how to define CI was centered around the method of consolidation rather than EDI representation of the result of the consolidation. The method or criteria for consolidation is a trading partner agreement which depends on the systems employed by both parties and their business relationship. This section addresses two commonly used methods of representing the results of consolidation within the confines of EDI. The two common methods for representing CI are the batch method and the stand alone method.

The purpose of the batch method is to send the consolidated invoice and the detail invoices that the consolidated invoice includes as one contiguous unit, i.e., a batch. It may sound contradictory to consolidate many invoices into one and then send all of them, however, the uses for each are different. Typically, the consolidated invoice is posted to the vendor's Accounts Receivable (AR) system and the detail invoices are sent to the claims system for historical reference. On the retailer's side, the CI is posted to the Accounts Payable (AP) system and the details are used for claim resolution. Both AR and AP systems benefit by having greatly reduced the number of actual open items to process. The discrepancies are adjudicated by the respective claims areas.

In the EDI transmission, each detail invoice will contain the CI number that positively ties it to the CI, i.e., the batch. The batch or CI number in the detail invoice also allows the receiver to arrange the data in the order conducive to their system while preserving batch integrity. The batch, one CI and its corresponding details, is contained in one functional group to aid in tracking through the application and EDI transport systems.

As a variation of the batch method described above, multiple application invoice batches, i.e., the CI and the details, may be sent in one EDI functional group. As with the batch, it does not matter

if the CI physically appears before or after the details the CI represents. This variation may require an extra level of sophistication by the receiver and sender to preserve batch integrity.

Stand Alone CI

In many business applications, the CI is used to simply reduce the volume of data and the supporting detail invoices are not needed. In some cases, the detail invoices were never created. Typically, other data such as the EDI Ship Notice is used in claim resolution rather than the detail invoices employed in the batch CI method. The EDI transmission may contain several CI's in one functional group.

First Cost Invoice

The First Cost Invoice describes the type of billed amounts when a retailer (importer) places a first cost order with an agent. The general rule is that a commission is paid by the retailer to the agent for services rendered in connection with the purchase of merchandise, inspection and packing the goods, arranging shipment, and preparing documentation. The retailer pays the factory for the merchandise, the transportation cost and the duty (usually with a letter of credit). The retailer pays the agent a percent commission based on the monetary value of the order. There are also other charges and allowance added to the invoice based on the monetary value of the order or in some instances the quantity of line items on the order.

VICS Guidelines - 810 Invoice Transaction Set

Functional Group ID=**IN**

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	0100	ST	Transaction Set Header	M	1		
M	0200	BIG	Beginning Segment for Invoice	M	1		
	0400	CUR	Currency	O	1		
	0500	REF	Reference Identification	O	12		
	0600	PER	Administrative Communications Contact	O	3		
LOOP ID - N1						200	
	0700	N1	Name	O	1		
	0800	N2	Additional Name Information	O	2		
	0900	N3	Address Information	O	2		
	1000	N4	Geographic Location	O	1		
	1300	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
	1400	DTM	Date/Time Reference	O	10		
	1500	FOB	F.O.B. Related Instructions	O	1		
	1600	PID	Product/Item Description	O	200		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - IT1						200000	
	0100	IT1	Baseline Item Data (Invoice)	O	1		
	0300	IT3	Additional Item Data	O	5		
	0400	TXI	Tax Information	O	>1		
	0500	CTP	Pricing Information	O	25		
	0590	MEA	Measurements	O	40		
LOOP ID - PID						1000	
	0600	PID	Product/Item Description	O	1		
	0700	MEA	Measurements	O	10		
	0900	PKG	Marking, Packaging, Loading	O	25		
	1000	PO4	Item Physical Details	O	1		
	1200	REF	Reference Identification	O	>1		
	1400	SDQ	Destination Quantity	O	500		
	1600	CAD	Carrier Detail	O	>1		
LOOP ID - SAC						>1	
	1800	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
LOOP ID - TXI						>1	
	1900	TXI	Tax Information	O	1		
LOOP ID - SLN						1000	
	2000	SLN	Subline Item Detail	O	1		
	2350	TC2	Commodity	O	2		
	2370	TXI	Tax Information	O	>1		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	0100	TDS	Total Monetary Value Summary	M	1		
	0200	TXI	Tax Information	O	>1		
	0300	CAD	Carrier Detail	O	1		
			LOOP ID – SAC			>1	
	0400	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
			LOOP ID – TXI			>1	
	0500	TXI	Tax Information	O	1		
			LOOP ID – ISS			>1	
	0600	ISS	Invoice Shipment Summary	O	1		
	0650	PID	Product/Item Description	O	1		
	0700	CTT	Transaction Totals	O	1		n1
M	0800	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. Number of line items (CTT01) is the accumulation of the number of IT1 segments. If used CTT02 is the hash total of the quantities invoiced (IT102) for each IT1 segment.

Conventions used in this implementation guideline:

1. Every data element on each segment is listed in the Data Element Summary section of the segment documentation, including unused Elements.
2. Every data element has the ANSI X12 data element ID noted.
3. Every data element has the ANSI X12 data element title noted.
4. Every data element has the ANSI X12 data element attributes noted:
 - 4.1. Data element requirement designation
 - 4.1.1. **Mandatory (M)** This element is required to appear in the segment.
 - 4.1.2. **Optional (O)** The appearance of this data element is at the option of the sending party or is based on the mutual agreement of the interchange parties.
 - 4.1.3. **Relational (X)** Relational conditions may exist between two or more data elements within a segment based on the presence or absence of one of those data elements. The relational condition is displayed under the heading “Syntax Notes.”
 - 4.2. Data element type
 - 4.2.1. **Numeric (Nn)** — The numeric type of data element is symbolized by the two-position representation Nn. N indicates a numeric, and n indicates the decimal places to the right of a fixed, implied decimal point. the decimal point is not transmitted in the character stream. For negative values, the leading minus sign (-) is used. Absence of a sign indicates a positive value. The plus sign (+) should not be transmitted. Leading zeros should be suppressed unless necessary to satisfy a minimum length requirement. The length of the data element is the number of digits used. The minus sign (-) is not counted when determining the length of the data element value.
 - 4.2.2. **Decimal Number (R)** — The decimal type of data element is symbolized by the representation R. The decimal point is optional for integer values, but required for fractional values. For negative values, the leading minus sign (-) is used. Absence of a sign indicates a positive value. The plus sign (+) should not be transmitted. Leading zeros should be suppressed unless necessary to satisfy a minimum length requirement. The minus sign and the decimal point are not counted when determining the length of the data element value.
 - 4.2.3. **Identifier (ID)** — The identifier type of data element is symbolized by the representation ID. An identifier data element must always contain a value from a predefined list of values that is maintained by ASC X12 or other bodies that are recognized by ASC X12. The value is left justified. Trailing spaces should be suppressed.
 - 4.2.4. **String (AN)** — The string type of data element is symbolized by the representation AN. Contents of string type data elements are a sequence of any letters, digits, spaces, and/or special characters and contain at least one non-space character. The significant characters must be left justified. Leading spaces, if used, are assumed to be significant characters. Trailing spaces should be suppressed.
 - 4.2.5. **Date (DT)** — The date type of data element is symbolized by the representation DT. Format for the date type is CCYYMMDD. CC is the two digit Century (00-99). YY is the last two digits of the year (00-99), MM is the numeric value of the month (01-12), and DD is the numeric value of the day (01-31).
 - 4.2.6. **Time (TM)** — The time type is symbolized by the representation TM. Format for this type is expressed in 24-hour clock format, HHMMSSd.d. HH is the numeric expression of the hour (00-23), MM is the numeric expression of the minute (00-59), SS is the numeric expression of the second (00-59), and d.d is the numeric expression of decimal seconds.
 - 4.3. Data element length (minimum/maximum)
5. Data elements utilized by Wal-Mart applications are noted in **bold** type.

6. Data elements ignored by Wal-Mart application are noted in *italicized type*.
7. Every data element utilized by Wal-Mart applications has the ANSI X12 data element purpose noted.
8. ID-type data elements have the list of utilized values noted.
9. **VICS comments relating to segments and data elements are noted in bold text with a shaded background.**
10. **Wal-Mart comments relating to segments and data elements are noted in underlined bold text with a shaded background.**

Example of Conventions:

Segment:	N1 Name
Position:	0400
Loop:	N1
Level:	Heading
Usage:	Mandatory
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of N102 or N103 is required. 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	<ol style="list-style-type: none"> 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party. 2 N105 and N106 further define the type of entity in N101.
Notes:	<p>There must be at least one occurrence of the N1 segment in the header area to identify the sender of the transaction in text or coded format.</p> <p><u>This segment will always identify Wal-mart Stores, Inc. as the sender of the document</u></p>

Data Element Summary			
1	Ref. Des.	Data Element	Name
1	M	N101	98 Entity Identifier Code
2			Code identifying an organizational entity, a physical location, property or an individual
3			FR Message From
	N102	93	Name
			Free-form name
	N103	66	Identification Code Qualifier
			Code designating the system/method of code structure used for Identification Code (67)
			UL UCC/EAN Location Code
			A globally unique 13 digit code for the identification of a legal, functional or physical location within the Uniform Code Council (UCC) and International Article Number Association (EAN) numbering system
5	N104	67	Identification Code
			Code identifying a party or other code
1	N105	706	<i>Entity Relationship Code</i>
			<i>Code describing entity relationship</i>
6	N106	98	<i>Entity Identifier Code</i>
			<i>Code identifying an organizational entity, a physical location, property or an individual</i>

Changes from Previous (4030) Version - 810 Invoice

Segment/Element	Position	Data Element	Change	Qualifier
IT106 thru IT121	D0100	235	Added	CH
			Added	UK
			Added	LT
			Added	ZZ
SAC02	1800 0400	1300	Added Deleted Codes from both item level and summary level SAC segments	H560 B320, B690, B860, B870, B940, D430, D720, D740, D750, D870, E760, F050, G220, H090, I000, I390

Change History

Date	Version	Description of Changes
October, 2004	Version 0.1	Draft Version
January, 2004	Version 0.2	Removed footer from front cover, revised Table of Contents
January, 2004	Version 0.3	Corrected VICS Guideline
January, 2005	Version 1.0	Production Guide Released
July, 2005	Version 1.1	Changed the Wal-Mart notes in the ITD, FOB, and ISS segments from “recommended by Wal-Mart” to “required by Wal-Mart”. Changed the Wal-Mart note in the IT1 segment from “required by Wal-Mart” to “recommended by Wal-Mart”.
November, 2005	Version 1.1	Changed Canada TAX ID to expanded format.
January, 2006	Version 1.2	Changed CAD01 to add “T” qualifier in business example and verified Changes to SAC at Item and Summary levels.
February, 2006	Version 1.3	Made changes to the TXI segment for Canada taxes.
May, 2006	Version 1.4	Updated TXI information for Canada Taxes.
June, 2006	Version 1.5	Updated TXI information for Canada Taxes, TXI information page, and SAC codes.
November 2007	Version 1.6	Updated TXI for Canada Taxes