

# Wal-Mart Stores, Inc.

## Electronic Data Interchange Implementation Guideline

### ANSI X12 Version 5010

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#### **852 Product Activity Data**

**Business Usage:**  
Store Point of Sale

**EDI Direction:** From Wal-Mart

Implementation Guide Version 1.1  
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# 852 Product Activity Data – Wal-Mart Stores, Inc.

## Introduction

Wal-Mart uses the 852 to send various types of sales data, as requested by the supplier. The available types of sales data are listed and defined below.

<b>Un-summed</b>	Detailed item sales, with store location and quantity sold.
<b>Summed by Item</b>	Summarized sales by item, with quantity sold
<b>Summed by DC</b>	Summarized item sales by DC (warehouse) location.
<b>Summed by State</b>	Summarized item sales by state,(state abbreviation).
<b>Summed by Zone</b>	Summarized item sales by zone location.
<b>Summed by DC / State</b>	Summary of item sold, by DC location, then by state abbreviation.
<b>Summed by DC / Zone</b>	Summary of items sold, by DC location, then by zone location.
<b>Summed by State / Zone</b>	Summarized items sold by state abbreviation, then by zone location.
<b>Summed by DC / State / Zone</b>	Summarized items sold by DC location, then by state abbreviation, then by zone location.

## **Functional Acknowledgments**

The 997 Functional Acknowledgment is used by Wal-Mart Stores, Inc. to verify receipt of documents sent to our suppliers. A 997 should be created and sent to Wal-Mart within 24 hours of document receipt.

## **Business Usage of this 852 Guide**

### ***XQ02 Date***

The date sent in the XQ02 (beginning date of a date range for which the sales activity occurred) can be the same date 2 days in a row, if daily POS is received. If this causes issues in your system, you may want to look at the date in the GS04, subtract one day, then update the date in the XQ02.

### ***Wal-Mart Store Point of Sale***

Wal-Mart Store – Sam’s Club Point of Sale can be transmitted several different ways. The two most common are “Un-summed” and “Summed by Item”.

### ***Store Price Retail***

Store Price Retail is an un-summed report detailing the quantity of each item sold by selling location and the retail price at which the product is sold.

## **Business Usage of Other 852 Documents**

### ***Store On Hand/On Order (PI)***

Another term for store on hand/on order is perpetual inventory. This file displays the items current on hand or on order. This file can be sent as a full file or a partial file. The full file is a listing of all items in all the stores. The partial file will not contain items in stores where the inventory status has not changed. This data can be requested as a separate document, but it **can not** be added to the “Store Point of Sale” file. *This business usage is found in the guide “852 Product Activity Data-Reserved Purchase Order - Warehouse - Store – Sam’s”.*

### ***Store Receivings***

Store Receivings is an un-summed report. This file will display products received at the store. This data can be requested as a separate document, but it **can not** be added to the Store Point of Sale file. *This business usage is found in the guide “852 Product Activity Data-Reserved Purchase Order - Warehouse - Store – Sam’s”.*

### ***Store Return Sheets (Telxon)***

Store Return Sheets is an un-summed report detailing the On Hand quantities at the store. This is sent only when a physical count is done at the store level. The Wal-Mart buyer must request this prior to the report being sent to the supplier. *This business usage is found in the guide “852 Product Activity Data-Reserved Purchase Order - Warehouse - Store – Sam’s”.*

### ***Reserved Purchase Orders***

Wal-Mart also uses the 852 to transmit reserved purchase order numbers for stores and warehouses. *This business usage is found in the guide for “852 Product Activity Data-Reserved Purchase Order - Warehouse - Store – Sam’s”.*

### ***Warehouse Stock Status***

Warehouse Stock status is an un-summed report detailing on hand, on order, receivings, outs, and items on order, but not yet received. *These business usages are found in the guide “852 Product Activity Data-Warehouse - Sams”.*

## **Business Changes**

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

### **Global Traded Item Number (GTIN)**

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 website in the U.S., the ECCC in Canada, or the appropriate numbering organization for your country.

### **Pack/Inner Pack Usage**

Data Elements 356 (Pack) PO401 and 810 (Inner Pack) PO414 in the PO4 segment may be used to specify the packaging of the item in the case or carton. Two levels of packaging may be specified. The first level, specified using Data Element 356, PO401 may be actual items, e.g., consumer units, or may be the number of smaller containers within the case. The second level, specified using Data Element 810, PO414 is the number of eaches in each inner container when Data Element 356 PO401 is the number of smaller containers within the case. Data element 810 PO414 will only be used when inner packs are actually present.

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# Wal-Mart Stores, Inc.

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## 852 Worksheet

Date \_\_\_\_\_

☐ US    ☐ CA

Company \_\_\_\_\_

Vendor Number \_\_\_\_\_

Contact \_\_\_\_\_

Department Numbers to be setup: \_\_\_\_\_

Phone Number \_\_\_\_\_

\_\_\_\_\_

Email Address \_\_\_\_\_

\_\_\_\_\_

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Please select the following Point of Sale files your company requests to receive and the frequency with which you would like to receive them. (DO NOT CHECK IF YOU DO NOT WANT TO RECEIVE!) This worksheet must be completed in full and faxed to the Wal-Mart Supplier Support Fax # 479-273-8956 prior to receiving the 852 document.

<b><u>Wal-Mart Store Point of Sale</u></b>  <input type="checkbox"/> Un-summed – By store, by item number  <input type="checkbox"/> Summed – Item detail (if summed select one of the following) <div><input type="checkbox"/> Item    <input type="checkbox"/> Zone    <input type="checkbox"/> State/Zone <input type="checkbox"/> DC    <input type="checkbox"/> DC/State    <input type="checkbox"/> DC/State/Zone <input type="checkbox"/> State    <input type="checkbox"/> DC/Zone</div>	<input type="checkbox"/> Daily (Typically for Vendor Managed suppliers)  <input type="checkbox"/> Weekly – Day of Week _____
<b><u>Warehouse Stock Status</u></b> (QA, QP, QS, QR, QO)	<input type="checkbox"/> (Only available daily)
<b><u>Sam's Point of Sale</u></b> (QA, QP, QR, QS)	<input type="checkbox"/> Daily  <input type="checkbox"/> Weekly (Monday only)
<b><u>On Hand/On Order</u>*</b> (QA, QP = Wal-Mart only)	<input type="checkbox"/> Daily (Change)  <input type="checkbox"/> Weekly (Full)(Saturday or Sunday only)

**\* If you are requesting On Hand/On Order data, you must attach the buyer's authorization form for your request to be processed.**

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As a supplier with Wal-Mart Stores, Inc. or Sam's Club, Inc., you are offered information regarding sales or products. This is confidential information relating to item product activity; this is supplied for your internal use only.

This data should be kept confidential in a manner at least as secure as the supplier maintains its own confidential data and will only use this information in their business relationship with Wal-Mart Stores, Inc. In no instance will this information be shared with other companies or individuals.

**Please read the helpful hints on the next page, sign and attach with this fax**

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# Wal-Mart Stores, Inc.

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## Helpful Hints concerning Point of Sale

Store Point of Sale (POS) is available either Daily or Weekly  
Warehouse Stock Status is only available Daily  
Sam's Product Activity Data is available either Daily or Weekly  
On Hand/On Order is available either Daily (change only) or Weekly (full file).

Please refer to the X12 5010 852 Implementation Guides on Retail link for the different qualifiers.

Store Point of Sale can only be received detail (un-summed) or summarized (summed by Item, DC, State, Zone, DC/State, DC/Zone, State/Zone, or by DC/State/Zone).

Point of sale can only be received via AS2 communications with Wal-Mart GEM (Global Enterprise Mailbox) mailbox system. If the data sits in the mailbox more than 7 days, including weekends, the data will be deleted. If the data is deleted, ***Wal-Mart can not reload the data. The data will not be retained past the 7 days for any circumstances. It is your responsibility to capture and process the data.***

Wal-Mart will not make multiple copies of the sales information. It's the supplier's responsibility to provide any additional copies needed at their multiple locations. If you have several subsidiaries getting POS, all data can be sent to one (1) mailbox.

If you are not satisfied with the POS option you have selected, provide the valid business reason for the cancellation, on company letterhead, and fax it to EDI Supplier Support.

Some common reasons why the POS file may not contain one of your items:

- The Wal-Mart/Sam's buyer activates a new department sequence; since the sales information is captured by a three (3) digit department number, you must contact the EDI Supplier Support and activate the new department number.
- The item may be deleted and no longer carried in our stores.
- The item is cross-referenced to another item and the sales are captured on a different item number.

Wal-Mart Stores YTD POS information is not available through EDI. This information is only available on Retail Link.

Point of Sale is based on sales that are scanned at the registers, either by UPC code or React number. Those sales are from the previous week. Sales data is transmitted to the Home Office multiple times per day, processed nightly, and sent to suppliers. Situations may arise when sales on particular items in a store may seem to be inaccurate (if you have POS Summarized) due to stores that did not transmit, or stores transmitting late, after scheduled system processing time. This is common with nighttime receiving stores. Late stores data would be transmitted in the next scheduled batch.

Wal-Mart Point of sale data is based on information from the stores. There are times when the Wal-Mart POS data and the Supplier's sales information do not match. Some reasons are:

- The reports are pulled from different weeks.
- The sales on Retail Link vary from the sales on EDI due to the way this information is captured. This is a rolling cycle and will never "catch up".

After reading, please sign and fax back to (479-273-8956) and keep this copy in your records for future reference.

Signature: \_\_\_\_\_ Title: \_\_\_\_\_

Date: \_\_\_\_\_

# 852 Product Activity Data – Wal-Mart Stores, Inc. Usage

Functional Group ID=**PD**

## 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	XQ	Reporting Date/Action	M	1		
	0400	N9	Extended Reference Information	O	>1		
LOOP ID - N1							200
M	0600	N1	Party Identification	M	1		
	1200	DTM	Date/Time Reference	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 - LIN							999999
	0100	LIN	Item Identification	O	1		
	0300	PO4	Item Physical Details	O	1		
LOOP ID - ZA							>1
M	0800	ZA	Product Activity Reporting	M	1		n1
	1100	SDQ	Destination Quantity	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>
	0100	CTT	Transaction Totals	O	1		n2
M	0200	SE	Transaction Set Trailer	M	1		

## Transaction Set Notes

1. The quantity for the item identified in the LIN segment is required. Quantity is specified either in the ZA segment (ZA02) or in the SDQ segment.
2. The number of line items (CTT01) is the accumulation of the number of LIN segments. Hash total (CTT02) is not used in this transaction set.  
When sending item and activity data in the LIN loop, the CTT segment is required.



# Wal-Mart Business Example - Un-summed

EDI TRANSMISSION DATA	EXPLANATION
ST*852*0001	<b>852</b> is the <b>Transaction Set Identifier Code</b> . “852” indicates “Product Activity Data”. <b>0001</b> is the <b>Transaction Set Control Number</b> .
XQ*H*20050205*20050211	<b>H</b> is the <b>Transaction Set Handling Code</b> . “H” indicates “Notification Only”. <b>20050205</b> is the <b>Date</b> (beginning date) <b>20050211</b> is the <b>Date</b> (ending date)
N9*FI*00ST	<b>FI</b> is the <b>Reference Identification Qualifier</b> . “FI” indicates “File Identifier”. <b>00ST</b> is <b>Reference Identifier</b> . “00” indicates un- summed. “ST” indicates store
N9*IA*123456030	<b>IA</b> is the <b>Reference Identification Qualifier</b> . “IA” indicates “Internal Vendor Number”. <b>123456030</b> is the <b>Reference Identification</b> .
N1*FR*WAL-MART STORES INC*UL*0078742000008	<b>FR</b> is the <b>Entity Identifier Code</b> . “FR” indicates “Message From”. <b>WAL-MART STORES INC</b> is the <b>Name</b> . <b>UL</b> is the <b>Identification Code Qualifier</b> . “UL” indicates “Global Location Number (GLN)”. <b>0078742000008</b> is the <b>Identification Code</b> (Wal-Mart’s GLN Number).
N1*TO*SUPPLIER NAME	<b>TO</b> is the <b>Entity Identifier Code</b> . “TO” Indicates “Message To”. <b>SUPPLIER NAME</b> is the <b>Name</b> .
DTM*097*20050112	<b>097</b> is the <b>Date/Time Qualifier</b> . “097” indicates “Transaction Creation” date. <b>20050112</b> is the <b>Date</b> .
LIN*000001*IN*000386300*UP*0718338337 07*VN*WESTER6501063*UK*00718338337 070	<b>000001</b> is the <b>Assigned Identification</b> . <b>IN</b> is the <b>Product/Service ID Qualifier</b> . “IN” indicates “Buyer’s Item Number”. <b>000386300</b> is the <b>Product/Service ID</b> . <b>UP</b> is the <b>Product/Service ID Qualifier</b> . “UP” indicates “UCC-12”. <b>071833833707</b> is the <b>Product/Service ID</b> . <b>VN</b> is the <b>Product/Service ID Qualifier</b> . “VN” indicates “Vendor’s (Seller’s) Item Number”. <b>WESTER6501063</b> is the <b>Product/Service ID</b> . <b>UK</b> is the <b>Product/Service ID Qualifier</b> . “UK” indicates “GTIN 14-digit Data Structure”. <b>00718338337070</b> is the <b>Product/Service ID</b> .
PO4*6	<b>6</b> is the <b>Pack</b> .
ZA*QS	<b>QS</b> is the <b>Activity Code</b> . “QS” indicates “Quantity Sold”.
SDQ*EA*UL*0078742001272*1*0078742001 333*1*0078742001364*1*0078742001609*1*0 078742002897*1*0078742004617*1*00787420 06260*1*0078742006345*2*0078742006383*1 *0078742006437*-2	<b>EA</b> is the <b>Unit or Basis for Measurement Code</b> . “EA” indicates “Eaches”. <b>UL</b> is the <b>Identification Code Qualifier</b> . “UL” indicates “Global Location Number (GLN)”. <b>0078742001272</b> is the <b>Identification Code</b> (Wal-Mart GLN Number). <b>1</b> is the <b>Quantity</b> (Quantity Sold).
CTT*1	<b>1</b> is the <b>Number of Line Items</b> .
SE*13*0001	<b>13</b> is the <b>Number of Included Segments</b> . <b>0001</b> is the <b>Transaction Set Control Number</b> .

## Wal-Mart Business Example – Store Summed by State

EDI TRANSMISSION DATA	EXPLANATION
ST*852*0001	<b>852</b> is the <b>Transaction Set Identifier Code</b> . “852” indicates “Product Activity Data”. <b>0001</b> is the <b>Transaction Set Control Number</b> .
XQ*H*20051105*20051111	<b>H</b> is the <b>Transaction Set Handling Code</b> . “H” indicates “Notification Only”. <b>20051105</b> is the <b>Date</b> (beginning date) <b>20051111</b> is the <b>Date</b> (ending date)
N9*FI*03ST	<b>FI</b> is the <b>Reference Identification Qualifier</b> . “FI” indicates “File Identifier”. <b>03ST</b> is <b>Reference Identifier</b> . “03” indicates summed by state. “ST” indicates store.
N9*IA*123456020	<b>IA</b> is the <b>Reference Identification Qualifier</b> . “IA” indicates “Internal Vendor Number”. <b>123456020</b> is the <b>Reference Identification</b> .
N1*FR*WALMART*UL*0078742000008	<b>FR</b> is the <b>Entity Identifier Code</b> . “FR” indicates “Message From”. <b>WALMART</b> is the <b>Name</b> . <b>UL</b> is the <b>Identification Code Qualifier</b> . “UL” indicates “Global Location Number (GLN)”. <b>0078742000008</b> is the <b>Identification Code</b> (Wal-Mart’s GLN Number).
N1*TO*SUPPLIER NAME	<b>TO</b> is the <b>Entity Identifier Code</b> . “TO” Indicates “Message To”. <b>SUPPLIER NAME</b> is the <b>Name</b> .
DTM*097*20051112	<b>097</b> is the <b>Date/Time Qualifier</b> . “097” indicates “Transaction Creation” date. <b>20051112</b> is the <b>Date</b> .
LIN*000001*IN*000024595*UP*071833833707*VN*GADGET*UK*00718338337070	<b>000001</b> is the <b>Assigned Identification</b> . <b>IN</b> is the <b>Product/Service ID Qualifier</b> . “IN” indicates “Buyer’s Item Number”. <b>000024595</b> is the <b>Product/Service ID</b> . <b>UP</b> is the <b>Product/Service ID Qualifier</b> . “UP” indicates “UCC-12”. <b>071833833707</b> is the <b>Product/Service ID</b> . <b>VN</b> is the <b>Product/Service ID Qualifier</b> . “VN” indicates “Vendor’s (Seller’s) Item Number”. <b>GADGET</b> is the <b>Product/Service ID</b> . <b>UK</b> is the <b>Product/Service ID Qualifier</b> . “UK” indicates “GTIN 14-digit Data Structure”. <b>00718338337070</b> is the <b>Product/Service ID</b> .
PO4*12	<b>12</b> is the <b>Pack</b> .
ZA*QS	<b>QS</b> is the <b>Activity Code</b> . “QS” indicates “Quantity Sold”.
SDQ*EA*93*AL*54*AZ*1*CA*20*FL*110*GA*76*KS*1*LA*84*MS*44*NV*4*SC*6	<b>EA</b> is the <b>Unit or Basis for Measurement Code</b> . “EA” indicates “Eaches”. <b>93</b> is the <b>Identification Code Qualifier</b> . “93” indicates “Code assigned by the organization originating the transaction set”. <b>AL</b> is the <b>Identification Code</b> . This is the State Code for Alabama. <b>54</b> is the <b>Quantity</b> (Quantity Sold).

<b>SDQ*EA*93*TX*81</b>	<b>EA</b> is the <b>Unit or Basis for Measurement Code</b> . “EA” indicates “Eaches”. <b>93</b> is the <b>Identification Code Qualifier</b> . “93” indicates “Code assigned by the organization originating the transaction set”. <b>TX</b> is the <b>Identification Code</b> . This is the State Code for Texas. <b>81</b> is the <b>Quantity</b> (Quantity Sold).
<b>CTT*1</b>	<b>1</b> is the <b>Number of Line Items</b> .
<b>SE*14*0001</b>	<b>14</b> is the <b>Number of Included Segments</b> . <b>0001</b> is the <b>Transaction Set Control Number</b> .

## Wal-Mart Business Example – Store Summed by Item

EDI TRANSMISSION DATA	EXPLANATION
ST*852*0001	<b>852</b> is the <b>Transaction Set Identifier Code</b> . “852” indicates “Product Activity Data”. <b>0001</b> is the <b>Transaction Set Control Number</b> .
XQ*H*20050205*20050211	<b>H</b> is the <b>Transaction Set Handling Code</b> . “H” indicates “Notification Only”. <b>20050205</b> is the <b>Date</b> (beginning date) <b>20050211</b> is the <b>Date</b> (ending date)
N9*FI*01ST	<b>FI</b> is the <b>Reference Identification Qualifier</b> . “FI” indicates “File Identifier”. <b>01ST</b> is the <b>Reference Identifier</b> . “01” indicates summed by item. “ST” indicates store.
N9*IA*123456030	<b>IA</b> is the <b>Reference Identification Qualifier</b> . “IA” indicates “Internal Vendor Number”. <b>123456030</b> is the <b>Reference Identification</b> .
N1*FR*WAL-MART STORES INC*UL*0078742000008	<b>FR</b> is the <b>Entity Identifier Code</b> . “FR” indicates “Message From”. <b>WAL-MART STORES INC</b> is the <b>Name</b> (Message From). <b>UL</b> is the <b>Identification Code Qualifier</b> . “UL” indicates “Global Location Number (GLN)”. <b>0078742000008</b> is the <b>Identification Code</b> (Wal-Mart’s GLN Number).
N1*TO*SUPPLIER NAME	<b>TO</b> is the <b>Entity Identifier Code</b> . “TO” Indicates “Message To”. <b>SUPPLIER NAME</b> is the <b>Name</b> .
DTM*097*20050212	<b>097</b> is the <b>Date/Time Qualifier</b> . “097” indicates “Transaction Creation” date. <b>20050212</b> is the <b>Date</b> .
LIN*000001*IN*000386300*UP*071833833707*VN *WESTER6501063*UK* 00071833833707	<b>000001</b> is the <b>Assigned Identification</b> . <b>IN</b> is the <b>Product/Service ID Qualifier</b> . “IN” indicates “Buyer’s Item Number”. <b>000386300</b> is the <b>Product/Service ID</b> . <b>UP</b> is the <b>Product/Service ID Qualifier</b> . “UP” indicates “UCC-12”. <b>071833833707</b> is the <b>Product/Service ID</b> . <b>VN</b> is the <b>Product/Service ID Qualifier</b> . “VN” indicates “Vendor’s (Seller’s) Item Number”. <b>WESTER6501063</b> is the <b>Product/Service ID</b> . <b>UK</b> is the <b>Product/Service ID Qualifier</b> . “UK” indicates “GTIN 14-digit Data Structure”. <b>00071833833707</b> is the <b>Product/Service ID</b> .
PO4*6	<b>6</b> is the <b>Pack</b> .
ZA*QS*2*EA	<b>QS</b> is the <b>Activity Code</b> . “QS” indicates “Quantity Sold”. <b>2</b> is the <b>Quantity</b> . <b>EA</b> is the <b>Unit or Basis for Measurement Code</b> . “EA” Indicates “Eaches”
CTT*1	<b>1</b> is the <b>Number of Line Items</b> .
SE*12*0001	<b>12</b> is the <b>Number of Included Segments</b> . <b>0001</b> is the <b>Transaction Set Control Number</b> .

**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>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	<b>Transaction Set Identifier Code</b> Code uniquely identify ing a Transaction Set 852 Product Activity Data	M 1 ID 3/3
M	ST02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set <b>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.</b>	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:** **XQ** Reporting Date/Action  
**Position:** 0200  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To specify reporting dates, actions to be taken and an identifying number  
**Syntax Notes:**  
**Semantic Notes:**

- 1 XQ02 is the reporting date. If reporting a date range, then XQ02 is the start date and XQ03 is the end date.
- 2 XQ04 is a unique report identifier assigned by the sender.

**Comments:**

Data Element Summary				
	Ref. Des.	Data Element	Name	Attributes
M	XQ01	305	Transaction Handling Code Code designating the action to be taken by all parties H Notification Only	M 1 ID 1/2
M	XQ02	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year <b><u>This is the date or beginning of the date range on which the sales or activity actually occurred.</u></b>	M 1 DT 8/8
	XQ03	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year <b><u>This is the ending date of the date range on which the sales or activity actually occurred. (Weekly)</u></b>	O 1 DT 8/8
	XQ04	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O 1 AN 1/50
	XQ05	353	Transaction Set Purpose Code Code identifying purpose of transaction set	O 1 ID 2/2

<b>Segment:</b>	<b>N9</b> Extended Reference Information
<b>Position:</b>	0400
<b>Loop:</b>	
<b>Level:</b>	Heading
<b>Usage:</b>	Optional
<b>Max Use:</b>	>1
<b>Purpose:</b>	To transmit identifying information as specified by the Reference Identification Qualifier
<b>Syntax Notes:</b>	<b>1</b> At least one of N902 or N903 is required. <b>2</b> If N906 is present, then N905 is required. <b>3</b> If either C04003 or C04004 is present, then the other is required. <b>4</b> If either C04005 or C04006 is present, then the other is required.
<b>Semantic Notes:</b>	<b>1</b> N906 reflects the time zone which the time reflects. <b>2</b> N907 contains data relating to the value cited in N902.
<b>Comments:</b>	

Data Element Summary				
Ref.	Data	Name	Attributes	
Des.	Element			
M	N901	128	Reference Identification Qualifier	M 1 ID 2/3
			Code qualifying the Reference Identification	
		IA	Internal Vendor Number	
			Identification number assigned to the vendor, by the retailer, for use within the retailer's system	
	N902	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	
			Wal-Mart assigned 9-digit vendor number	
	N903	369	Free-form Description	X 1 AN 1/45
			Free-form descriptive text	
	N904	373	Date	O 1 DT 8/8
			Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	
	N905	337	Time	X 1 TM 4/8
			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)	
	N906	623	Time Code	O 1 ID 2/2
			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	
	N907	C040	Reference Identifier	O 1
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	
	C04001	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
	C04002	127	Reference Identification	M AN 1/50
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
	C04003	128	Reference Identification Qualifier	X ID 2/3
			Code qualifying the Reference Identification	

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:** **N9** Extended Reference Information  
**Position:** 0400  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier  
**Syntax Notes:**

- 1 At least one of N902 or N903 is required.
- 2 If N906 is present, then N905 is required.
- 3 If either C04003 or C04004 is present, then the other is required.
- 4 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

- 1 N906 reflects the time zone which the time reflects.
- 2 N907 contains data relating to the value cited in N902.

**Comments:**

Data Element Summary																																												
	Ref. Des.	Data Element	Name	Attributes																																								
M	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification FI File Identifier	M ID 2/3																																								
	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/50																																								
<table><tr><th colspan="2">Columns 1-2</th><th colspan="2">Columns 3-4</th></tr><tr><td>00</td><td>Un-summed</td><td>ST</td><td>Store</td></tr><tr><td>01</td><td>Summed by Item</td><td></td><td></td></tr><tr><td>02</td><td>Summed by DC</td><td></td><td></td></tr><tr><td>03</td><td>Summed by State</td><td></td><td></td></tr><tr><td>04</td><td>Summed by Zone</td><td></td><td></td></tr><tr><td>10</td><td>Summed by DC / State</td><td></td><td></td></tr><tr><td>11</td><td>Summed by DC / Zone</td><td></td><td></td></tr><tr><td>12</td><td>Summed by State / Zone</td><td></td><td></td></tr><tr><td>13</td><td>Summed by DC / State / Zone</td><td></td><td></td></tr></table>					Columns 1-2		Columns 3-4		00	Un-summed	ST	Store	01	Summed by Item			02	Summed by DC			03	Summed by State			04	Summed by Zone			10	Summed by DC / State			11	Summed by DC / Zone			12	Summed by State / Zone			13	Summed by DC / State / Zone		
Columns 1-2		Columns 3-4																																										
00	Un-summed	ST	Store																																									
01	Summed by Item																																											
02	Summed by DC																																											
03	Summed by State																																											
04	Summed by Zone																																											
10	Summed by DC / State																																											
11	Summed by DC / Zone																																											
12	Summed by State / Zone																																											
13	Summed by DC / State / Zone																																											
	N903	369	Free-form Description Free-form descriptive text	X AN 1/45																																								
	N904	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	O DT 8/8																																								
	N905	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 TM 4/8																																								
	N906	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 ID 2/2																																								
	N907	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O																																								
	C04001	128	Reference Identification Qualifier	M ID 2/3																																								

		<i>Code qualifying the Reference Identification</i>		
C04002	127	<i>Reference Identification</i>	M	AN 1/50
		<i>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier</i>		
C04003	128	<i>Reference Identification Qualifier</i>	X	ID 2/3
		<i>Code qualifying the Reference Identification</i>		
C04004	127	<i>Reference Identification</i>	X	AN 1/50
		<i>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier</i>		
C04005	128	<i>Reference Identification Qualifier</i>	X	ID 2/3
		<i>Code qualifying the Reference Identification</i>		
C04006	127	<i>Reference Identification</i>	X	AN 1/50
		<i>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier</i>		

**Segment:** **N1** Party Identification

**Position:** 0600

**Loop:** N1

**Level:** Heading

**Usage:** Mandatory

**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 used to identify the retailer's location as it pertains to product activity data and must contain the identity of each organizational entity or a physical location. This is accomplished in one of two ways:**

#### **BASIC**

There will be at least one occurrence of this segment to identify the retailer's reporting location. If XQ01 contains code G, it is assumed that, for a particular reporting location, the vendor has the bill to and ship to.

#### **SPREADSHEET**

The SDQ segment identifies the retailer's reporting locations. Therefore, code RL is not used in the N1 segment for the spreadsheet product activity.

In some EDI implementations, it may be necessary to identify the sender and/or receiver of the transaction set. To identify the sender of the transaction set, N101 will contain code FR. To identify the receiver of the transaction set, N101 will contain code TO.

#### **Data Element Summary**

Ref.	Data								
<u>Des.</u>	<u>Element</u>	<u>Name</u>				<u>Attributes</u>			
M	N101	98	Entity Identifier Code			M	1	ID 2/3	
			Code identifying an organizational entity, a physical location, property or an individual						
		FR	Message From						
	N102	93	Name			X	1	AN 1/60	
			Free-form name						
	N103	66	Identification Code Qualifier			X	1	ID 1/2	
			Code designating the system/method of code structure used for Identification Code (67)						
		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						
			<b>This is the 13-digit Global Location Number (GLN)</b>						
	N104	67	Identification Code			X	1	AN 2/80	
			Code identifying a party or other code						
			<b>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.</b>						

<b>Wal-Mart Global Location Number (GLN)</b>					
<i>N105</i>	<i>706</i>	<i>Entity Relationship Code</i>	<i>O</i>	<i>1</i>	<i>ID 2/2</i>
		<i>Code describing entity relationship</i>			
<i>N106</i>	<i>98</i>	<i>Entity Identifier Code</i>	<i>O</i>	<i>1</i>	<i>ID 2/3</i>
		<i>Code identifying an organizational entity, a physical location, property or an individual</i>			

**Segment:** **N1** Party Identification  
**Position:** 0600  
**Loop:** N1  
**Level:** Heading  
**Usage:** Mandatory  
**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.

Data Element Summary				
Ref.	Data	Name	Attributes	
Des.	Element			
M	N101	98 Entity Identifier Code	M	1 ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual		
		TO Message To		
	N102	93 Name	X	1 AN 1/60
		Free-form name		
		<b>This is the name of the vendor as reported on the vendor agreement.</b>		
	N103	66 Identification Code Qualifier	X	1 ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)		
	N104	67 Identification Code	C	1 AN 2/80
		Code identifying a party or other code		
	N105	706 Entity Relationship Code	O	1 ID 2/2
		Code describing entity relationship		
	N106	98 Entity Identifier Code	O	1 ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual		

<b>Segment:</b>	<b>DTM</b> Date/Time Reference
<b>Position:</b>	1200
<b>Loop:</b>	N1
<b>Level:</b>	Heading
<b>Usage:</b>	Optional
<b>Max Use:</b>	>1
<b>Purpose:</b>	To specify pertinent dates and times
<b>Syntax Notes:</b>	<b>1</b> At least one of DTM02 DTM03 or DTM05 is required. <b>2</b> If DTM04 is present, then DTM03 is required. <b>3</b> If either DTM05 or DTM06 is present, then the other is required.
<b>Semantic Notes:</b>	
<b>Comments:</b>	
<b>Notes:</b>	<b>This segment is used to provide specific processing dates.</b>

Data Element Summary				
Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	DTM01	374 Date/Time Qualifier	M	1 ID 3/3
		Code specifying type of date or time, or both date and time		
		097 Transaction Creation		
	DTM02	373 Date	X	1 DT 8/8
		Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year		
		<b>This is the date that the sales activity was reported.</b>		
	DTM03	337 Time	X	1 TM 4/8
		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)		
	DTM04	623 Time Code	O	1 ID 2/2
		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		
	DTM05	1250 Date Time Period Format Qualifier	X	1 ID 2/3
		Code indicating the date format, time format, or date and time format		
	DTM06	1251 Date Time Period	X	1 AN 1/35
		Expression of a date, a time, or range of dates, times or dates and times		

<b>Segment:</b>	<b>LIN</b> Item Identification
<b>Position:</b>	0100
<b>Loop:</b>	LIN
<b>Level:</b>	Detail
<b>Usage:</b>	Optional
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify basic item identification data
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If either LIN04 or LIN05 is present, then the other is required.</li> <li>2 If either LIN06 or LIN07 is present, then the other is required.</li> <li>3 If either LIN08 or LIN09 is present, then the other is required.</li> <li>4 If either LIN10 or LIN11 is present, then the other is required.</li> <li>5 If either LIN12 or LIN13 is present, then the other is required.</li> <li>6 If either LIN14 or LIN15 is present, then the other is required.</li> <li>7 If either LIN16 or LIN17 is present, then the other is required.</li> <li>8 If either LIN18 or LIN19 is present, then the other is required.</li> <li>9 If either LIN20 or LIN21 is present, then the other is required.</li> <li>10 If either LIN22 or LIN23 is present, then the other is required.</li> <li>11 If either LIN24 or LIN25 is present, then the other is required.</li> <li>12 If either LIN26 or LIN27 is present, then the other is required.</li> <li>13 If either LIN28 or LIN29 is present, then the other is required.</li> <li>14 If either LIN30 or LIN31 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	1 LIN01 is the line item identification
<b>Comments:</b>	<ol style="list-style-type: none"> <li>1 See the Data Dictionary for a complete list of IDs.</li> <li>2 LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.</li> </ol>

#### Data Element Summary

Ref.	Des.	Data Element	Name	Attributes
	LIN01	350	Assigned Identification	O 1 AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set	
M	LIN02	235	Product/Service ID Qualifier	M 1 ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		IN	Buyer's Item Number	
			<b>Wal-Mart 9 digit Item Number.</b>	
M	LIN03	234	Product/Service ID	M 1 AN 1/48
			Identifying number for a product or service	
	LIN04	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)	
		EN	EAN/UCC - 13	
			Data structure for the 13 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Identification 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.)	
	LIN05	234	Product/Service ID	X 1 AN 1/48
			Identifying number for a product or service	
	LIN06	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)	
		VN	Vendor's (Seller's) Item Number	

<b>LIN07</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>1 AN 1/48</b>
		Identifying number for a product or service		
<b>LIN08</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>1 ID 2/2</b>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		UK GTIN 14-digit Data Structure		
		Data structure for the 14 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN)		
<b>LIN09</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>1 AN 1/48</b>
		Identifying number for a product or service		
<i>LIN10</i>	<i>235</i>	<i>Product/Service ID Qualifier</i>	<i>X</i>	<i>1 ID 2/2</i>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
<i>LIN11</i>	<i>234</i>	<i>Product/Service ID</i>	<i>X</i>	<i>1 AN 1/48</i>
		Identifying number for a product or service		
<i>LIN12</i>	<i>235</i>	<i>Product/Service ID Qualifier</i>	<i>C</i>	<i>1 ID 2/2</i>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
<i>LIN13</i>	<i>234</i>	<i>Product/Service ID</i>	<i>X</i>	<i>1 AN 1/48</i>
		Identifying number for a product or service		
<i>LIN14</i>	<i>235</i>	<i>Product/Service ID Qualifier</i>	<i>X</i>	<i>1 ID 2/2</i>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
<i>LIN15</i>	<i>234</i>	<i>Product/Service ID</i>	<i>X</i>	<i>1 AN 1/48</i>
		Identifying number for a product or service		
<i>LIN16</i>	<i>235</i>	<i>Product/Service ID Qualifier</i>	<i>X</i>	<i>1 ID 2/2</i>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
<i>LIN17</i>	<i>234</i>	<i>Product/Service ID</i>	<i>X</i>	<i>1 AN 1/48</i>
		Identifying number for a product or service		
<i>LIN18</i>	<i>235</i>	<i>Product/Service ID Qualifier</i>	<i>X</i>	<i>1 ID 2/2</i>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
<i>LIN19</i>	<i>234</i>	<i>Product/Service ID</i>	<i>X</i>	<i>1 AN 1/48</i>
		Identifying number for a product or service		
<i>LIN20</i>	<i>235</i>	<i>Product/Service ID Qualifier</i>	<i>X</i>	<i>1 ID 2/2</i>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
<i>LIN21</i>	<i>234</i>	<i>Product/Service ID</i>	<i>X</i>	<i>1 AN 1/48</i>
		Identifying number for a product or service		
<i>LIN22</i>	<i>235</i>	<i>Product/Service ID Qualifier</i>	<i>X</i>	<i>1 ID 2/2</i>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
<i>LIN23</i>	<i>234</i>	<i>Product/Service ID</i>	<i>X</i>	<i>1 AN 1/48</i>
		Identifying number for a product or service		
<i>LIN24</i>	<i>235</i>	<i>Product/Service ID Qualifier</i>	<i>X</i>	<i>1 ID 2/2</i>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
<i>LIN25</i>	<i>234</i>	<i>Product/Service ID</i>	<i>X</i>	<i>1 AN 1/48</i>
		Identifying number for a product or service		
<i>LIN26</i>	<i>235</i>	<i>Product/Service ID Qualifier</i>	<i>X</i>	<i>1 ID 2/2</i>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		



LIN27	234	Product/Service ID Identifying number for a product or service	X	1	AN 1/48
LIN28	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
LIN29	234	Product/Service ID Identifying number for a product or service	X	1	AN 1/48
LIN30	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	O	1	ID 2/2
LIN31	234	Product/Service ID Identifying number for a product or service	X	1	AN 1/48

<b>Segment:</b>	<b>PO4</b> Item Physical Details
<b>Position:</b>	0300
<b>Loop:</b>	LIN
<b>Level:</b>	Detail
<b>Usage:</b>	Optional
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify the physical qualities, packaging, weights, and dimensions relating to the item
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If either PO402 or PO403 is present, then the other is required.</li> <li>2 If PO405 is present, then PO406 is required.</li> <li>3 If either PO406 or PO407 is present, then the other is required.</li> <li>4 If either PO408 or PO409 is present, then the other is required.</li> <li>5 If PO410 is present, then PO413 is required.</li> <li>6 If PO411 is present, then PO413 is required.</li> <li>7 If PO412 is present, then PO413 is required.</li> <li>8 If PO413 is present, then at least one of PO410 PO411 or PO412 is required.</li> <li>9 If PO417 is present, then PO416 is required.</li> <li>10 If PO418 is present, then PO404 is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>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.</li> <li>2 PO416 is the package identifier or the beginning package identifier in a range of identifiers.</li> <li>3 PO417 is the ending package identifier in a range of identifiers.</li> <li>4 PO418 is the number of packages in this layer.</li> </ol>
<b>Comments:</b>	<ol style="list-style-type: none"> <li>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".</li> <li>2 PO413 defines the unit of measure for PO410, PO411, and PO412.</li> </ol>
<b>Notes:</b>	<p><b>This segment is used to specify the packaging of the item in the case or carton. There may be two levels of packaging specified. The first level 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 within the case. See Section V (Pack/Inner Pack Usage) for usage examples.</b></p> <p><b>This segment may be used to specify the weight and/or volume (cube) for the item by using PO406 and PO407, and/or PO408 and PO409.</b></p> <p><b><u>See "Wal-Mart Introduction to Product Activity Data Transaction Set" on page 4 for explanation of pack/inner pack usage.</u></b></p>

Data Element Summary				
Ref.	Data			
Des.	Element	Name	Attributes	
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 Code defining the type of weight	O	1	ID 1/2
PO406	384	Gross Weight per Pack Numeric value of gross weight per pack	X	1	R 1/9
PO407	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
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	<b>Inner Pack</b> 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 Alphanumeric characters assigned for differentiation within a transaction set	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:** **ZA** Product Activity Reporting

**Position:** 0800

**Loop:** LIN-ZA

**Level:** Detail

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To provide activity details concerning product being reported

**Syntax Notes:**

- 1 If either ZA02 or ZA03 is present, then the other is required.
- 2 If either ZA04 or ZA05 is present, then the other is required.
- 3 If either ZA06 or ZA07 is present, then the other is required.

**Semantic Notes:**

- 1 ZA08 determines if the product activity code in ZA01 refers to a product that is categorized as In-bond merchandise. A "Y" indicates that the activity code applies to a product that is In-bond; an "N" indicates that the activity code does not refer to a product that is In-bond.

**Comments:**

**Notes:**

If ZA02 and ZA03 are used to specify the quantity of the item identified in the LIN segment, the SDQ segment is not used.

All quantity values (ZA03 or quantity values in the SDQ segment) are expressed as a positive number for all activities except for adjustments (code QA and QT in ZA01). An adjustment is any activity, other than a retail sale or warehouse withdrawal, that changes the inventory position for the item. Inter-store transfers are reported as a positive adjustment for the transfer-to store and a negative adjustment for the transfer-from store. An adjustment to inventory can also be made as a result of a physical inventory, for example, shrinkage is reported as a negative adjustment, understated inventory is reported as a positive adjustment.

To express activity in dollars, use the unit of measure DO (Dollars, U.S.) in ZA03 or SDQ01. Multiple ZA segments may be used with the same activity code to specify units and dollars, and, to report activity at different prices. Sales types, promotion/event sales, clearance/markdown sales and non-promotion/non-clearance sales are used in conjunction with a CTP segment to specify the price and/or sales type.

For example, if three stores sold an item for one price and five other stores sold the same item for a different price, two ZA loops may be used to report the sale quantity at the appropriate price. The first ZA loop would contain the price in the CTP segment and one SDQ segment with the three stores/quantities. The second loop would specify the other price and one SDQ segment for the remaining five stores/quantities.

ZA02 and ZA03 are used only when reporting sales numbers summarized to a single corporate sales quantity. When multiple sales locations are reported, or when sales are summarized to multiple sales locations, the SDQ will report this data and ZA02 and ZA03 will not be used.

**Data Element Summary**

Ref.	Des.	Data		Attributes	
		Element	Name		
M	ZA01	859	Activity Code	M	1 ID 2/2
			Code identifying activity details for the product being reported		
			QS		Quantity Sold
					<u>Sold (returns are netted out)</u>
	ZA02	380	Quantity	X	1 R 1/15
			Numeric value of quantity		
	ZA03	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		

**ZA03 is only sent on summed by item store point of sale file. The EA is used for Store Point of Sale. The EA and DO are used for Price Retail Point of Sale.**

		DO	Dollars, U.S.			
		EA	Each			
ZA04	374	<i>Date/Time Qualifier</i>		X	1	ID 3/3
		<i>Code specifying type of date or time, or both date and time</i>				
ZA05	373	<i>Date</i>		X	1	DT 8/8
		<i>Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year</i>				
ZA06	128	<i>Reference Identification Qualifier</i>		X	1	ID 2/3
		<i>Code qualifying the Reference Identification</i>				
ZA07	127	<i>Reference Identification</i>		X	1	AN 1/50
		<i>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier</i>				
ZA08	1073	<i>Yes/No Condition or Response Code</i>		O	1	ID 1/1
		<i>Code indicating a Yes or No condition or response</i>				

<b>Segment:</b>	<b>SDQ</b> Destination Quantity
<b>Position:</b>	1100
<b>Loop:</b>	LIN-ZA
<b>Level:</b>	Detail
<b>Usage:</b>	Optional
<b>Max Use:</b>	>1
<b>Purpose:</b>	To specify destination and quantity detail
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If either SDQ05 or SDQ06 is present, then the other is required.</li> <li>2 If either SDQ07 or SDQ08 is present, then the other is required.</li> <li>3 If either SDQ09 or SDQ10 is present, then the other is required.</li> <li>4 If either SDQ11 or SDQ12 is present, then the other is required.</li> <li>5 If either SDQ13 or SDQ14 is present, then the other is required.</li> <li>6 If either SDQ15 or SDQ16 is present, then the other is required.</li> <li>7 If either SDQ17 or SDQ18 is present, then the other is required.</li> <li>8 If either SDQ19 or SDQ20 is present, then the other is required.</li> <li>9 If either SDQ21 or SDQ22 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	1 SDQ23 identifies the area within the location identified in SDQ03, SDQ05, SDQ07, SDQ09, SDQ11, SDQ13, SDQ15, SDQ17, SDQ19, and SDQ21.
<b>Comments:</b>	<ol style="list-style-type: none"> <li>1 SDQ02 is used only if different than previously defined in the transaction set.</li> <li>2 SDQ03 is the store number.</li> <li>3 SDQ23 may be used to identify areas within a store, e.g., front room, back room, selling outpost, end aisle display, etc. The value is agreed to by trading partners or industry conventions.</li> </ol>
<b>Notes:</b>	<p><b>This segment is used to distribute item quantity to various locations.</b></p> <p><b>If this segment is used to specify the quantity of the item identified in the LIN segment, ZA02 and ZA03 are not used.</b></p>

#### Data Element Summary

Ref.	Des.	Data Element	Name	Attributes
M	SDQ01	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken EA Each	M 1 ID 2/2
	SDQ02	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67) 92 Assigned by Buyer or Buyer's Agent <b>This code is used to identify zones.</b> 93 Code assigned by the organization originating the transaction set <b>This code is used to identify states.</b> 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 <b>This is the 13-digit Global Location Number (GLN).</b>	O 1 ID 1/2
M	SDQ03	67	<b>Identification Code</b> Code identifying a party or other code <b>Wal-Mart Global Location Number (GLN)</b>	M 1 AN 2/80
M	SDQ04	380	<b>Quantity</b> Numeric value of quantity	M 1 R 1/15
	SDQ05	67	<b>Identification Code</b> Code identifying a party or other code	X 1 AN 2/80
	SDQ06	380	<b>Quantity</b>	X 1 R 1/15

		Numeric value of quantity			
<b>SDQ07</b>	<b>67</b>	<b>Identification Code</b>	<b>X</b>	<b>1</b>	<b>AN 2/80</b>
		Code identifying a party or other code			
<b>SDQ08</b>	<b>380</b>	<b>Quantity</b>	<b>X</b>	<b>1</b>	<b>R 1/15</b>
		Numeric value of quantity			
<b>SDQ09</b>	<b>67</b>	<b>Identification Code</b>	<b>X</b>	<b>1</b>	<b>AN 2/80</b>
		Code identifying a party or other code			
<b>SDQ10</b>	<b>380</b>	<b>Quantity</b>	<b>X</b>	<b>1</b>	<b>R 1/15</b>
		Numeric value of quantity			
<b>SDQ11</b>	<b>67</b>	<b>Identification Code</b>	<b>X</b>	<b>1</b>	<b>AN 2/80</b>
		Code identifying a party or other code			
<b>SDQ12</b>	<b>380</b>	<b>Quantity</b>	<b>X</b>	<b>1</b>	<b>R 1/15</b>
		Numeric value of quantity			
<b>SDQ13</b>	<b>67</b>	<b>Identification Code</b>	<b>X</b>	<b>1</b>	<b>AN 2/80</b>
		Code identifying a party or other code			
<b>SDQ14</b>	<b>380</b>	<b>Quantity</b>	<b>X</b>	<b>1</b>	<b>R 1/15</b>
		Numeric value of quantity			
<b>SDQ15</b>	<b>67</b>	<b>Identification Code</b>	<b>X</b>	<b>1</b>	<b>AN 2/80</b>
		Code identifying a party or other code			
<b>SDQ16</b>	<b>380</b>	<b>Quantity</b>	<b>X</b>	<b>1</b>	<b>R 1/15</b>
		Numeric value of quantity			
<b>SDQ17</b>	<b>67</b>	<b>Identification Code</b>	<b>X</b>	<b>1</b>	<b>AN 2/80</b>
		Code identifying a party or other code			
<b>SDQ18</b>	<b>380</b>	<b>Quantity</b>	<b>X</b>	<b>1</b>	<b>R 1/15</b>
		Numeric value of quantity			
<b>SDQ19</b>	<b>67</b>	<b>Identification Code</b>	<b>X</b>	<b>1</b>	<b>AN 2/80</b>
		Code identifying a party or other code			
<b>SDQ20</b>	<b>380</b>	<b>Quantity</b>	<b>X</b>	<b>1</b>	<b>R 1/15</b>
		Numeric value of quantity			
<b>SDQ21</b>	<b>67</b>	<b>Identification Code</b>	<b>X</b>	<b>1</b>	<b>AN 2/80</b>
		Code identifying a party or other code			
<b>SDQ22</b>	<b>380</b>	<b>Quantity</b>	<b>X</b>	<b>1</b>	<b>R 1/15</b>
		Numeric value of quantity			
<i>SDQ23</i>	<i>310</i>	<i>Location Identifier</i>	<i>O</i>	<i>1</i>	<i>AN 1/30</i>
		<i>Code which identifies a specific location</i>			

**Segment:** **CTT** Transaction Totals  
**Position:** 0100  
**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.

Data Element Summary				
Ref.	Data			
Des.	Element	Name	Attributes	
M	CTT01	354	Number of Line Items	M 1 N0 1/6
		Total number of line items in the transaction set		
		The number of LIN segments present in the transaction set		
	CTT02	347	Hash Total	O 1 R 1/10
		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.		
	CTT03	81	Weight	X 1 R 1/10
		Numeric value of weight		
	CTT04	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		
	CTT05	183	Volume	X 1 R 1/8
		Value of volumetric measure		
	CTT06	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		
	CTT07	352	Description	O 1 AN 1/80
		A free-form description to clarify the related data elements and their content		



**Segment:** **SE** Transaction Set Trailer  
**Position:** 0200  
**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.</u> <u>Des.</u>	<u>Data</u> <u>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 <b>This must be the same number as is in the ST segment (ST02) for the transaction set.</b>	M 1 AN 4/9

## **852 Product Activity Data - ANSI X12 Introduction**

This X12 Transaction Set contains the format and establishes the data contents of the Product Activity Data Transaction Set (852) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to advise a trading partner of inventory, sales, and other product activity information. Product activity data enables a trading partner to plan and ship, or propose inventory replenishment quantities, for distribution centers, warehouses or retail outlets. The receiver of the transaction set will maintain some type of inventory/product movement records for its trading partners to enable replenishment calculations based on data provided by the distributor, warehouse or retailer.

# 852 Product Activity Data - ANSI X12 Standards

Functional Group ID=**PD**

## 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	XQ	Reporting Date/Action	M	1		
	0300	XPO	Pre-assigned Purchase Order Numbers	O	>1		
	0400	N9	Extended Reference Information	O	>1		
	0500	PER	Administrative Communications Contact	O	3		
LOOP ID - N1						200	
M	0600	N1	Party Identification	M	1		n1
	0700	N2	Additional Name Information	O	1		
	0800	N3	Party Location	O	2		
	0900	N4	Geographic Location	O	1		
	1000	FOB	F.O.B. Related Instructions	O	1		
	1100	TD5	Carrier Details (Routing Sequence/Transit Time)	O	1		
	1200	DTM	Date/Time Reference	O	>1		
	1300	N9	Extended Reference Information	O	>1		
	1400	PER	Administrative Communications Contact	O	3		

## 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 - LIN						999999	
	0100	LIN	Item Identification	O	1		
	0200	CTP	Pricing Information	O	25		
	0250	SAC	Service, Promotion, Allowance, or Charge Information	O	>1		
	0300	PO4	Item Physical Details	O	1		
	0400	N9	Extended Reference Information	O	>1		
	0500	AMT	Monetary Amount Information	O	10		
	0600	PAL	Pallet Type and Load Characteristics	O	1		
	0700	QTY	Quantity Information	O	>1		
LOOP ID - ZA						>1	
M	0800	ZA	Product Activity Reporting	M	1		n2
	0900	QTY	Quantity Information	O	>1		
	1000	CTP	Pricing Information	O	25		
	1100	SDQ	Destination Quantity	O	>1		
LOOP ID - G95						1	
	1200	G95	Performance Requirements	O	1		
	1300	DTM	Date/Time Reference	O	2		

## Summary:

	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.Use</u>	<u>Loop</u> <u>Repeat</u>	<u>Notes and</u> <u>Comments</u>
	0100	CTT	Transaction Totals	O	1		n3
M	0200	SE	Transaction Set Trailer	M	1		

## Transaction Set Notes

1. The reporting location is required. The reporting location is specified explicitly in the N1 segment using the code RL in N101, or implicitly using the SDQ segment (Table 2) with the location data elements. They are mutually exclusive (the SDQ and the N1 with N101 containing RL).
2. The quantity for the item identified in the LIN segment is required. Quantity is specified either in the ZA segment (ZA02) or in the SDQ segment.
3. The number of line items (CTT01) is the accumulation of the number of LIN segments. Hash total (CTT02) is not used in this transaction set.  
When sending item and activity data in the LIN loop, the CTT segment is required.

## 852 Product Activity Data - VICS Introduction

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 Product Activity Data Transaction Set.

The purpose of the Product Activity Data Transaction Set (852) within the retail industry is to report inventory counts and changes to that inventory at predetermined intervals. The most common change to inventory is sales by the retailer to the customer. However, other changes to inventory such as inter-store transfers, return of sold merchandise to inventory, returns to the supplier from inventory, and shrinkage, can also be communicated.

This data is primarily used to support a supplier managed stock replenishment program (stock modeling) or to provide input to a sales analysis and forecasting systems.

In addition to inventory counts and units sold, other data may be sent that is pertinent to the analysis being performed by the receiver. Total dollar volume for sales may be reported in the same manner as quantities by using a unit of measure for dollars. Prices associated with the SKU are specified in the CTP segment(s). These prices include retail price, promotional price, cost price, etc. If an item is sold at different prices during the reporting period, the activity may be grouped by selling price and the quantities at each price can be specified for multiple locations by utilizing the SDQ segments.

# 852 Product Activity Data – VICS Guidelines

Functional Group ID=**PD**

## 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	XQ	Reporting Date/Action	M	1		
	0300	XPO	Preassigned Purchase Order Numbers	O	>1		
	0400	N9	Extended Reference Information	O	>1		
	0500	PER	Administrative Communications Contact	O	3		
LOOP ID - N1						200	
	0600	N1	Party Identification	O	1		n1
	0700	N2	Additional Name Information	O	1		
	0800	N3	Party Location	O	2		
	0900	N4	Geographic Location	O	1		
	1000	FOB	F.O.B. Related Instructions	O	1		
	1100	TD5	Carrier Details (Routing Sequence/Transit Time)	O	1		
	1200	DTM	Date/Time Reference	O	>1		
	1300	N9	Extended Reference Information	O	>1		
	1400	PER	Administrative Communications Contact	O	3		

## 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 - LIN						999999	
	0100	LIN	Item Identification	O	1		
	0200	CTP	Pricing Information	O	25		
	0250	SAC	Service, Promotion, Allowance, or Charge Information	O	>1		
	0300	PO4	Item Physical Details	O	1		
	0400	N9	Extended Reference Information	O	>1		
	0500	AMT	Monetary Amount Information	O	10		
	0600	PAL	Pallet Type and Load Characteristics	O	1		
	0700	QTY	Quantity Information	O	>1		
LOOP ID - ZA						>1	
M	0800	ZA	Product Activity Reporting	M	1		n2
	0900	QTY	Quantity Information	O	>1		
	1000	CTP	Pricing Information	O	25		
	1100	SDQ	Destination Quantity	O	>1		
LOOP ID - G95						1	
	1200	G95	Performance Requirements	O	1		
	1300	DTM	Date/Time Reference	O	2		

## Summary:

	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.Use</u>	<u>Loop</u> <u>Repeat</u>	<u>Notes and</u> <u>Comments</u>
	0100	CTT	Transaction Totals	O	1		n3
M	0200	SE	Transaction Set Trailer	M	1		

## Transaction Set Notes

1. The reporting location is required. The reporting location is specified explicitly in the N1 segment using the code RL in N101, or implicitly using the SDQ segment (Table 2) with the location data elements. They are mutually exclusive (the SDQ and the N1 with N101 containing RL).
2. The quantity for the item identified in the LIN segment is required. Quantity is specified either in the ZA segment (ZA02) or in the SDQ segment.
3. The number of line items (CTT01) is the accumulation of the number of LIN segments. Hash total (CTT02) is not used in this transaction set.  
When sending item and activity data in the LIN loop, the CTT segment is required.

# Conventions used in these guidelines

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. **Industry 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

<b>Segment:</b>	<b>N1</b> Name
<b>Position:</b>	0400
<b>Loop:</b>	N1
<b>Level:</b>	Heading
<b>Usage:</b>	Mandatory
<b>Max Use:</b>	1
<b>Purpose:</b>	To identify a party by type of organization, name, and code
<b>Syntax Notes:</b>	<b>1</b> At least one of N102 or N103 is required. <b>2</b> If either N103 or N104 is present, then the other is required.
<b>Semantic Notes:</b>	
<b>Comments:</b>	<b>1</b> 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. <b>2</b> N105 and N106 further define the type of entity in N101.
<b>Notes:</b>	<b>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.</b> <b>This segment will always identify Wal-Mart Stores, Inc. as the sender of the document</b>

Data Element Summary				
1	Ref. Des.	Data Element	Name	Attributes
M	N101	98	Entity Identifier Code	M ID 2/3
2			Code identifying an organizational entity, a physical location, property or an individual	
3			FR Message From	
	N102	93	Name	X AN 1/60
			Free-form name	
	N103	66	Identification Code Qualifier	X ID 1/2
			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	X AN 2/80
			Code identifying a party or other code	
1	N105	706	Entity Relationship Code	O ID 2/2
			Code describing entity relationship	
6	N106	98	Entity Identifier Code	O ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	

## 852 Product Activity Data – Changes from Previous (4030) Version

NOTE: This change summary is included as a checklist only, to help ensure that all changes have been accounted for. It is not to be used as a complete implementation reference, as it does not include all of the necessary information.

<u>Segment/Element</u>	<u>Position</u>	<u>Data Element</u>	<u>Change</u>	<u>Qualifier</u>
LIN08	D0100	235	Added	UK

## Change History

Date	Version	Description of Changes
September, 2004	DRAFT 0.1	Draft Version Published
January, 2005	DRAFT 0.2	Revised Draft Version Published
January, 2005	1.0	Production guide released
July, 2005	1.1	Corrections to syntax and arrangement of some document pages.