

Wal-Mart Stores, Inc.

Electronic Data Interchange Implementation Guideline

ANSI X12 Version 5010 (VICS)

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855 Purchase Order Acknowledgment

Business Usage:
Response to the 852 Reserve Purchase Orders

EDI Direction: To Wal-Mart

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855 Purchase Order Acknowledgment – Wal-Mart Stores, Inc. Introduction

Wal-Mart Stores, Inc. uses the 855 document to receive orders created by suppliers. Suppliers receive blocks of purchase order numbers via the 852 Reserve Purchase Order EDI document. The 824 Application Advice EDI document is sent in response to an 855 document that does not meet business rules.

The number of RPO numbers generated varies based on supplier usage. 855 orders are created using the RPO numbers. When 855 documents are received and loaded, purchase order numbers are marked as used in the system. It is critical that Wal-Mart receives confirmation of an RPO. If the confirmation is not sent, the system will not generate more order numbers. Failure to follow this process will lead to the supplier not having any available purchase order numbers by which to ship merchandise.

Wal-Mart prefers that RPO numbers be used in a fifo (first in, first out) method, preventing the buildup of old or unused RPO numbers in both systems. If the RPO count (good PO numbers available for use) does not drop to the minimum, new RPO numbers will not be generated.

Suppliers are responsible for notifying the Supplier Support Desk within a week if assigned RPO's reach expiration date (typically 90 days from the issue date sent in the 852 RPO). These RPO's will be marked as used, and more RPO numbers will be sent. The Supplier Support Desk will not mark RPO's as used if they have not expired.

Functional Acknowledgment

A *Functional Acknowledgment*, VICS/EDI transaction set 997 will be sent within 24 hours of receipt to acknowledge receipt of an 855 transmission or to notify the sender of format or syntax errors.

Business Changes

Support for the Global Trade Item Number (GTIN) has been added in version 5010. The GTIN may be sent in the PO1 Segment, and will be preceded by a "UK" qualifier. All GTIN's must be sent using the UCC-14 format (Right Justified and zero padded to 13 characters, plus 1 check digit at the end). This will ensure that the GTIN is a globally unique number. The GTIN that will be sent must correspond to the ordering quantity unit of measure. The Item UPC Code should continue to be sent in version 5010 as well. It will continue to be sent in the UCC-12 format.

Purchase Order Types

Wal-Mart will accept one of three following types of Purchase Orders:

Basic:

Basic orders are used when a quantity of product is ordered without specific mention of which store location is to ultimately receive the merchandise. The entire lot is shipped to a distribution facility and will be distributed to the various stores as needed. A Basic Purchase Order can be identified by an occurrence of a header level N1 segment with a “BY” qualifier in N101 to specify the buying party, and the absence of an SDQ segment in the Detail Section of the Order. The N1 Segment will identify the distribution facility location issued in the GLN format.

Spreadsheet:

Spreadsheet Orders are those in which the product is ordered for multiple store locations and shipped directly to those store locations. A Spreadsheet Purchase Order can be identified by the an occurrence of a header level N1 segment with “TO” in N101 (with no GLN in N104), and the presence of an SDQ segment found in the Detail section of the Purchase Order that specifies the various Store Numbers in the GLN format.

Cross-Dock:

Cross-Dock orders are used when the product ordered is pre-sorted by the vendor by store location, but shipped to a distribution facility rather than to the store location. A Cross-Dock Purchase Order can be identified by having a N1 Segment with “ST” in N101, a separate N1 Segment with “BT” in N101, and SDQ Segments listing the store locations in the detail.

Wal-Mart Order Types and Department Numbers

The 855 document is a response document to the 852 Reserved Purchase Order document. As such, the Wal-Mart Order Type code and the Department Number codes must match the corresponding codes that were initially sent on the 852 RPO Document.

855 Purchase Order Acknowledgment – Wal-Mart Stores, Inc. Usage

Functional Group ID=**PR**

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	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1		
	0500	REF	Reference Information	O	>1		
	1500	DTM	Date/Time Reference	O	10		
	1900	PID	Product/Item Description	O	200		
LOOP ID - N1						200	
	3000	N1	Party Identification	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 - PO1						100000	
	0100	PO1	Baseline Item Data	O	1		n1
	1900	SDQ	Destination Quantity	O	500		

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>
LOOP ID - CTT						1	
	0100	CTT	Transaction Totals	O	1		n2
M	0300	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. PO102 is required.
2. The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

Wal-Mart Business Example – Basic

EDI TRANSMISSION DATA	EXPLANATION
ST*855*0001	855 is the Transaction Set Identifier Code . "855" indicates "Purchase Order Acknowledgment". 0001 is the Transaction Set Control Number .
BAK*00*AP*0000000014*20051201	00 is the Transaction Set Purpose Code . "00" indicates "Original". AP is the Acknowledgment Type . "AP" indicates "Acknowledge - Product Replenishment". 0000000014 is the Purchase Order Number . 20051201 is the Date (Document Creation Date).
REF*DP*00055	DP is the Reference Identification Qualifier . "DP" indicates "Department Number". 00055 is the Reference Identification (Department Number).
REF*IA*096556550	IA is the Reference Identification Qualifier . "IA" indicates "Internal Vendor Number". 096556550 is the Reference Identification (Vendor Number).
REF*MR*0050	MR is the Reference Identification Qualifier . "MR" indicates "Merchandise Type Code". 0050 is the Reference Identification (Order Type).
DTM*068*20050305	068 is the Date/Time Qualifier . "068" indicates "Current Schedule Ship". 20050305 is the Date (Scheduled Ship).
PID*S**VI*FL	S is the Item Description Type . S indicate "Structured (From Industry Code List)". VI is the Agency Qualifier Code . "VI" indicates "Voluntary Inter-Industry Commerce Standard(VICS)". FL is the Product Description Code . "FL" indicates "Compliant with Fair Labor Standards Act".
N1*BY*WAL-MART DC 6001*UL*0078742027753	BY is the Entity Identifier Code . "BY" indicates "Buying Party (Purchaser)". WAL-MART DC 6001 is the Name (Buying Party). UL is the Identification Code Qualifier . "UL" indicates "Global Location Number (GLN)". 0078742027753 is the Identification Code . This is the warehouse the goods will be shipped to.
N1*SU*SUPPLIER NAME	SU is the Entity Identifier Code . "SU" indicates "Supplier". SUPPLIER NAME is the Name (Ship From).
PO1*1*150*EA***IN*005516723*UP*963458217331*VN*035874693*UK*09634582173312	1 is the Assigned Identification . 150 is the Quantity Ordered . EA is the Unit or Basis for Measurement Code . "EA" indicates "Each". IN is the Product/Service ID Qualifier . "IN" indicates "Buyer's Item Number". 005516723 is the Product/Service ID (WM Item Number). UP is the Product/Service ID Qualifier . "UP" indicates "UCC – 12". 963458217331 is the Product/Service ID (U.P.C.). VN is the Product/Service ID Qualifier . "VN" indicates "Vendor's (Seller's) Item Number". 035874693 is the Product/Service ID (Supplier's Item Number). UK is the Product/Service ID Qualifier . "UK" indicates "GTIN 14-digit Data Structure". 09634582173312 is the Product/Service ID (GTIN).

CTT*1	1 is the Number of Line Items .
SE*12*0001	12 is the Number of Included Segments . 0001 is the Transaction Set Control Number .

Wal-Mart Business Example – Spreadsheet

EDI TRANSMISSION DATA	EXPLANATION
ST*855*0001	855 is the Transaction Set Identifier Code . "855" indicates "Purchase Order Acknowledgment". 0001 is the Transaction Set Control Number .
BAK*00*AP*0000000015*20050123	00 is the Transaction Set Purpose Code . "00" indicates "Original". AP is the Acknowledgment Type . "AP" indicates "Acknowledge - Product Replenishment". 0000000015 is the Purchase Order Number . 20050123 is the Date (Document Creation Date).
REF*IA*735656550	IA is the Reference Identification Qualifier . "IA" indicates "Internal Vendor Number". 735656550 is the Reference Identification (Vendor Number).
REF*DP*00055	DP is the Reference Identification Qualifier . "DP" indicates "Department Number". 00055 is the Reference Identification (Department Number).
REF*MR*0077	MR is the Reference Identification Qualifier . "MR" indicates "Merchandise Type Code". 0077 is the Reference Identification (Order Type).
DTM*068*20050125	068 is the Date/Time Qualifier . "068" indicates "Current Schedule Ship". 20050125 is the Date (Scheduled Ship).
PID*S**VI*FL	S is the Item Description Type . S indicate "Structured (From Industry Code List)". VI is the Agency Qualifier Code . "VI" indicates "Voluntary Inter-Industry Commerce Standard(VICS)". FL is the Product Description Code . "FL" indicates "Compliant with Fair Labor Standards Act".
N1*TO*WAL-MART STORES, INC.*UL*0078742000008	TO is the Entity Identifier Code . "TO" indicates "Message To". WAL-MART STORES, INC. is the Name . UL is the Identification Code Qualifier . "UL" indicates "Global Location Number (GLN)". 0078742000008 is the Identification Code .
N1*SU*SUPPLIER NAME	SU is the Entity Identifier Code . "SU" indicates "Supplier". SUPPLIER NAME is the Name (Ship From).
PO1*1*100*EA***IN*005541365*UP*335844269512*VN*875454771257*UK*03358442695122	1 is the Assigned Identification . 100 is the Quantity Ordered . EA is the Unit or Basis for Measurement Code . "EA" indicates "Each". IN is the Product/Service ID Qualifier . "IN" indicates "Buyer's Item Number". 005541365 is the Product/Service ID (WM Item Number). UP is the Product/Service ID Qualifier . "UP" indicates "UCC – 12". 335844269512 is the Product/Service ID (U.P.C.). VN is the Product/Service ID Qualifier . "VN" indicates "Vendor's (Seller's) Item Number". 875454771257 is the Product/Service ID (Supplier's Item Number). UK is the Product/Service ID Qualifier . "UK" indicates "GTIN 14-digit Data Structure". 03358442695122 is the Product/Service ID (GTIN).

SDQ*EA*UL*0078742000015*10*0078742000022*10*0078742000077*10*0078742000251*10*0078742001951*10*0078742009735*10*0078742009988*10*0078742019628*10*0078742020099*10*0078742020563*10	<p>EA is the Unit or Basis for Measurement Code. "EA" indicates "Each".</p> <p>UL is the Identification Code Qualifier. "UL" indicates "Global Location Number (GLN)".</p> <p>0078742000015 is the Identification Code. This is the global location number of the store to where the goods will be shipped.</p> <p>10 is the Quantity.</p>
CTT*1	1 is the Number of Line Items .
SE*13*0001	<p>13 is the Number of Included Segments.</p> <p>0001 is the Transaction Set Control Number.</p>

Wal-Mart Business Example – Cross-Dock

EDI TRANSMISSION DATA	EXPLANATION
ST*855*0001	855 is the Transaction Set Identifier Code . "855" indicates "Purchase Order Acknowledgment". 0001 is the Transaction Set Control Number .
BAK*00*AP*0000000014*20050123	00 is the Transaction Set Purpose Code . "00" indicates "Original". AP is the Acknowledgment Type . "AP" indicates "Acknowledge - Product Replenishment". 0000000014 is the Purchase Order Number . 20050123 is the Date (Document Creation Date).
REF*IA*875696130	IA is the Reference Identification Qualifier . "IA" indicates "Internal Vendor Number". 875696130 is the Reference Identification (Vendor Number).
REF*DP*00013	DP is the Reference Identification Qualifier . "DP" indicates "Department Number". 00013 is the Reference Identification (Department Number).
REF*MR*0073	MR is the Reference Identification Qualifier . "MR" indicates "Merchandise Type Code". 0073 is the Reference Identification (Order Type).
DTM*068*20050202	068 is the Date/Time Qualifier . "068" indicates "Current Schedule Ship". 20050202 is the Date (Scheduled Ship).
PID*S**VI*FL	S is the Item Description Type . S indicate "Structured (From Industry Code List)". VI is the Agency Qualifier Code . "VI" indicates "Voluntary Inter-Industry Commerce Standard(VICS)". FL is the Product Description Code . "FL" indicates "Compliant with Fair Labor Standards Act".
N1*BT*WAL-MART STORES, INC.*UL*0078742000008	BT is the Entity Identifier Code . "BT" indicates "Bill-to-Party". WAL-MART STORES, INC. is the Name . UL is the Identification Code Qualifier . "UL" indicates "Global Location Number (GLN)". 0078742000008 is the Identification Code .
N1*ST*WAL-MART DC 6024*UL*0078742029832	ST is the Entity Identifier Code . "ST" indicates "Ship To". WAL-MART DC 6024. is the Name . UL is the Identification Code Qualifier . "UL" indicates "Global Location Number (GLN)". 0078742029832 is the Identification Code .
N1*SUSUPPLIER NAME	SU is the Entity Identifier Code . "SU" indicates "Supplier". SUPPLIER NAME is the Name (Ship From).

PO1*1*100*EA*IN*001341365*UP*335844269512**
***VN*875454771257*UK*03358442695122**

1 is the **Assigned Identification**
100 is the **Quantity Ordered**.
EA is the **Unit or Basis for Measurement Code**. "EA" indicates "Each".
IN is the **Product/Service ID Qualifier**. "IN" indicates "Buyer's Item Number".
001341365 is the **Product/Service ID** (WM Item Number).
UP is the **Product/Service ID Qualifier**. "UP" indicates "UCC – 12".
875454771257 is the **Product/Service ID** (U.P.C.).
VN is the **Product/Service ID Qualifier**. "VN" indicates "Vendor's (Seller's) Item Number".
03358442695122 is the **Product/Service ID** (Supplier's Item Number).
UK is the **Product/Service ID Qualifier**. "UK" indicates "GTIN 14-digit Data Structure".
03358442695122 is the **Product/Service ID** (GTIN).

<p>SDQ*EA*UL*0078742000015*10*0078742000022*10*0078742000077*10*0078742000251*10*0078742001951*10*0078742009735*10*0078742009988*10*0078742019628*10*0078742020099*10*0078742020563*10</p>	<p>EA is the Unit or Basis for Measurement Code. "EA" indicates "Each".</p> <p>UL is the Identification Code Qualifier. "UL" indicates "Global Location Number (GLN)".</p> <p>0078742000015 is the Identification Code. This is the global location number of the store to where the goods will be shipped.</p> <p>10 is the Quantity.</p> <p>0078742000022 is the Identification Code. This is the global location number of the store to where the goods will be shipped.</p> <p>10 is the Quantity.</p> <p>0078742000077 is the Identification Code. This is the global location number of the store to where the goods will be shipped.</p> <p>10 is the Quantity.</p> <p>0078742000251 is the Identification Code. This is the global location number of the store to where the goods will be shipped.</p> <p>10 is the Quantity.</p> <p>0078742001951 is the Identification Code. This is the global location number of the store to where the goods will be shipped.</p> <p>10 is the Quantity.</p> <p>0078742009735 is the Identification Code. This is the global location number of the store to where the goods will be shipped.</p> <p>10 is the Quantity.</p> <p>0078742009988 is the Identification Code. This is the global location number of the store to where the goods will be shipped.</p> <p>10 is the Quantity.</p> <p>0078742019628 is the Identification Code. This is the global location number of the store to where the goods will be shipped.</p> <p>10 is the Quantity.</p> <p>0078742020099 is the Identification Code. This is the global location number of the store to where the goods will be shipped.</p> <p>10 is the Quantity.</p> <p>0078742020563 is the Identification Code. This is the global location number of the store to where the goods will be shipped.</p> <p>10 is the Quantity.</p>
<p>CTT*1</p>	<p>1 is the Number of Line Items.</p>
<p>SE*14*0001</p>	<p>14 is the Number of Included Segments.</p> <p>0001 is the Transaction Set Control Number.</p>

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	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 855 Purchase Order Acknowledgment	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	Implementation Convention Reference Reference assigned to identify Implementation Convention	O 1 AN 1/35

Segment: **BAK** Beginning Segment for Purchase Order Acknowledgment
Position: 0200
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of the Purchase Order Acknowledgment Transaction Set and transmit identifying numbers and dates

Syntax Notes:

- Semantic Notes:**
- 1 BAK04 is the date assigned by the purchaser to purchase order.
 - 2 BAK08 is the seller's order number.
 - 3 BAK09 is the date assigned by the sender to the acknowledgment.

Comments:

Notes:

When notifying a retailer of a vendor-generated replenishment order, either code 00 or 16 is used in BAK01 and code AP is used in BAK02. When acknowledging a retailer's purchase order, code 00 is used in BAK01 and either code AD or AK is used in BAK02.

When changing a vendor-generated replenishment order, code 05 is used in BAK01 and code AP is used in BAK02. When acknowledging a retailer's purchase order with change, code 19 is used in BAK01 and either code AC or AE is used in BAK02.

When canceling a vendor-generated replenishment order, code 01 is used in BAK01 and code AP is used in BAK02. When acknowledging a retailer's purchase order with a cancellation, code 01 is used in BAK01 and code RJ is used in BAK02.

Data Element Summary

Ref.	Des.	Data Element	Name	Attributes
M	BAK01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 00 Original NOTIFICATION: If XQ01, in Transaction Set 852, contains code G, BAK01 will contain code 00. ACKNOWLEDGMENT: This is the original acknowledgment.	M 1 ID 2/2
M	BAK02	587	Acknowledgment Type Code specifying the type of acknowledgment Codes AC, AD, AE, AK and RJ may be used only for acknowledgments to a retailer's purchase order. Code AP may only be used to indicate a vendor-generated replenishment acknowledgment (notification). AP Acknowledge - Product Replenishment	M 1 ID 2/2
M	BAK03	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser NOTIFICATION: Purchase order numbers are negotiable as part of trading partner relationships and can be pre-assigned in XPO01 or XPO02 in Transaction Set 852. This element is required by Wal-Mart Stores, Inc.	M 1 AN 1/22
M	BAK04	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year NOTIFICATION: The date the replenished order was created from the suppliers modeling system	M 1 DT 8/8
	BAK05	328	Release Number Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	O 1 AN 1/30
	BAK06	326	Request Reference Number	O 1 AN 1/45

<i>Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number)</i>					
BAK07	367	Contract Number	O	1	AN 1/30
		Contract number			
BAK08	127	Reference Identification	O	1	AN 1/50
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
BAK09	373	Date	O	1	DT 8/8
		Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			
BAK10	640	Transaction Type Code	O	1	ID 2/2
		Code specifying the type of transaction			

Segment:	REF Reference Information - Supplier Number
Position:	0500
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	>1
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:	There must be one occurrence of this segment to specify the retailer's department number, if the retailer has department numbers. Additional segments may be used to specify other reference numbers. <u>This segment is required by Wal-Mart Stores, Inc.</u>

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier 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	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 vendor 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 - Department Number
Position:	0500
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	>1
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:	There must be one occurrence of this segment to specify the retailer's department number, if the retailer has department numbers. Additional segments may be used to specify other reference numbers. <u>This segment is required by Wal-Mart Stores, Inc.</u>

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification DP Department 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 <u>Wal-Mart assigned department number</u>	X 1 AN 1/50
	REF03	352	<i>Description</i> <i>A free-form description to clarify the related data elements and their content</i>	X 1 AN 1/80
	REF04	C040	<i>Reference Identifier</i> <i>To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier</i>	O 1
	C04001	128	<i>Reference Identification Qualifier</i> <i>Code qualifying the Reference Identification</i>	M ID 2/3
	C04002	127	<i>Reference Identification</i> <i>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier</i>	M AN 1/50
	C04003	128	<i>Reference Identification Qualifier</i> <i>Code qualifying the Reference Identification</i>	X ID 2/3
	C04004	127	<i>Reference Identification</i> <i>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier</i>	X AN 1/50
	C04005	128	<i>Reference Identification Qualifier</i> <i>Code qualifying the Reference Identification</i>	X ID 2/3
	C04006	127	<i>Reference Identification</i> <i>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier</i>	X AN 1/50

Segment:	REF Reference Information - Order Type
Position:	0500
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	>1
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:	There must be one occurrence of this segment to specify the retailer's department number, if the retailer has department numbers. Additional segments may be used to specify other reference numbers. <u>This segment is required by Wal-Mart Stores, Inc.</u>

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification MR Merchandise Type Code	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 <u>Wal-Mart assigned order type</u>	X 1 AN 1/50
	REF03	352	<i>Description</i> <i>A free-form description to clarify the related data elements and their content</i>	X 1 AN 1/80
	REF04	C040	<i>Reference Identifier</i> <i>To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier</i>	O 1
	C04001	128	<i>Reference Identification Qualifier</i> <i>Code qualifying the Reference Identification</i>	M ID 2/3
	C04002	127	<i>Reference Identification</i> <i>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier</i>	M AN 1/50
	C04003	128	<i>Reference Identification Qualifier</i> <i>Code qualifying the Reference Identification</i>	X ID 2/3
	C04004	127	<i>Reference Identification</i> <i>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier</i>	X AN 1/50
	C04005	128	<i>Reference Identification Qualifier</i> <i>Code qualifying the Reference Identification</i>	X ID 2/3
	C04006	127	<i>Reference Identification</i> <i>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier</i>	X AN 1/50

Segment:	DTM Date/Time Reference
Position:	1500
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 used to specify order processing dates.

Data Element Summary				
	Ref.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 068 Current Schedule Ship	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:	PID Product/Item Description
Position:	1900
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	200
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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:	<u>This segment is required by Wal-Mart Stores, Inc.</u>

Data Element Summary				
Ref.	Data	Name	Attributes	
Des.	Element			
M	PID01	349 Item Description Type	M	1 ID 1/1
		Code indicating the format of a description		
		S Structured (From Industry Code List)		
		The description will be found in PID04.		
PID02	750	Product/Process Characteristic Code	O	1 ID 2/3
		Code identifying the general class of a product or process characteristic		
PID03	559	Agency Qualifier Code	X	1 ID 2/2
		Code identifying the agency assigning the code values		
		VI Voluntary Inter-Industry Commerce Standard (VICS)		
		EDI		
PID04	751	Product Description Code	X	1 AN 1/12
		A code from an industry code list which provides specific data about a product characteristic		
		EV Compliant with State Environment Requirements		
		FA Compliant with Flammability Act		
		FL Compliant with Fair Labor Standards Act		
		FP Compliant with Fur Products Labeling Act		
		TF Compliant with Textile Fiber Product Identification Act and Regulations		
		VC Volatile Organic Compound (VOC) Compliant		
		WA Compliant with Wool Products Labeling Act		
		FL Compliant with the Fair Labor Standards Act		
PID05	352	Description	X	1 AN 1/80
		A free-form description to clarify the related data elements and their content		
PID06	752	Surface/Layer/Position Code	O	1 ID 2/2
		Code indicating the product surface, layer or position that is being described		
PID07	822	Source Subqualifier	O	1 AN 1/15
		A reference that indicates the table or text maintained by the Source Qualifier		

<i>PID08</i>	<i>1073</i>	<i>Yes/No Condition or Response Code</i>	<i>O</i>	<i>1</i>	<i>ID 1/1</i>
		<i>Code indicating a Yes or No condition or response</i>			
<i>PID09</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:	N1 Party Identification - Wal-Mart Information
Position:	3000
Loop:	N1
Level:	Heading
Usage:	Optional
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>This segment is used to identify the retailer's locations as they pertain to the order.</p> <p>The ship-to (N101 contains code ST) may be identified in the header area or the detail area, but not both.</p> <p>N103 and N104 are required except when N101 contains code MA or OB, or for direct-to-consumer when N101 contains code ST.</p> <p>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.</p> <p>For spreadsheet orders, the SDQ segment identifies the retailer's ultimate destination. When necessary the N1 segment may be used to identify the bill-to or ship-to location. Only one iteration of each of the bill-to or ship-to is allowed. CAUTION, this will override every bill to or shipto for every location in the SDQ segment(s). For example, when the customer is instructing the supplier to package goods for cross docking, one iteration of the N1 segment, with N101 containing code ST, may be used to indicate the shipto location. The ship-to location overrides the ship to that is normally associated with the locations identified in the SDQ segment(s).</p> <p>For direct-to-consumer orders, there must be at least one occurrence of the N1 segment to identify the retailer (N101 contains code BT or SM).</p> <p>When the ship to (N101 contains code ST) is the end consumer (customer of retailer), N103 and N104 are not required.</p> <p>When a direct-to-consumer purchase order contains multiple ship-to locations, the N1 loop in the detail area is used to identify the ship-to locations.</p> <p><u>Usage:</u></p> <p><u>A value of "BY" in N101 is used to indicate a Basic order. The N1*BY must be sent before all other N1 segments for Basic orders. A Global Location Number for the Distribution Center that matches the PO on the 852 RPO is required in N104.</u></p> <p><u>A value of "ST" in N101 is used to indicate a Cross-Dock order. A Global Location Number for the Distribution Center that matches the PO on the 852 RPO is required in N104. In addition, a second N1 segment should be sent with a "BT" (Bill-To) qualifier. The ultimate store destination of the merchandise must be given in the detail level of the document.</u></p> <p><u>A value of "TO" in N101 is used to indicate a Spreadsheet (Direct to Store) order. A Global Location Number for the countries Home Office is not required. The</u></p>

order will have multiple ship-to destinations sent in the SDQ detail level of the document.

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	
		BY	Buying Party (Purchaser)	
		ST	Ship To	
		TO	Message To	
	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	
	N104	67	Identification Code	X 1 AN 2/80
			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 is the 13-digit Global Location Number (GLN).</u>	
	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	

Segment: **N1** **Party Identification - Wal-Mart Bill-To Information**
Position: 3000
Loop: N1
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 instance of the N1 Segment is used for Cross-Dock orders only. A Global Location Number for the country's Home Office is required in the N104.**

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	
		BT	Bill-to-Party	
	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	
	N104	67	Identification Code	X 1 AN 2/80
			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 is the 13-digit Global Location Number (GLN).</u>	
	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	

Segment: **N1** **Party Identification - Supplier Information**
Position: 3000
Loop: N1
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.

Data Element Summary				
Ref.	Data			Attributes
Des.	Element	Name		
M	N101	98	Entity Identifier Code	M 1 ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
		SU	Supplier/Manufacturer	
	N102	93	Name	X 1 AN 1/60
			Free-form name	
			<u>This is the Supplier Name.</u>	
	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	X 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	

Segment:	PO1	Baseline Item Data
Position:	0100	
Loop:	PO1	
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify basic and most frequently used line item data	
Syntax Notes:	1	If PO103 is present, then PO102 is required.
	2	If PO105 is present, then PO104 is required.
	3	If either PO106 or PO107 is present, then the other is required.
	4	If either PO108 or PO109 is present, then the other is required.
	5	If either PO110 or PO111 is present, then the other is required.
	6	If either PO112 or PO113 is present, then the other is required.
	7	If either PO114 or PO115 is present, then the other is required.
	8	If either PO116 or PO117 is present, then the other is required.
	9	If either PO118 or PO119 is present, then the other is required.
	10	If either PO120 or PO121 is present, then the other is required.
	11	If either PO122 or PO123 is present, then the other is required.
	12	If either PO124 or PO125 is present, then the other is required.
Semantic Notes:	1	PO102 is quantity ordered.
Comments:	1	See the Data Element Dictionary for a complete list of IDs.
	2	PO101 is the line item identification.
	3	PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes:	<u>The maximum number of PO1 segments that can be sent on a valid Wal-Mart RPO Acknowledgment is 999.</u>	

Data Element Summary

Ref.	Data		Attributes	
Des.	Element	Name		
PO101	350	Assigned Identification	O	1 AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set		
PO102	380	Quantity	X	1 R 1/15
		Numeric value of quantity		
PO103	355	Unit or Basis for Measurement Code	O	1 ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		EA Each		
PO104	212	<i>Unit Price</i>	X	1 R 1/17
		Price per unit of product, service, commodity, etc.		
PO105	639	<i>Basis of Unit Price Code</i>	O	1 ID 2/2
		Code identifying the type of unit price for an item		
PO106	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)		
		IN Buyer's Item Number		
		<u>Wal-Mart 9-digit item number.</u>		
PO107	234	Product/Service ID	X	1 AN 1/48
		Identifying number for a product or service		
PO108	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.)		
PO109	234	Product/Service ID		X	1 AN 1/48
		Identifying number for a product or service			
PO110	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		
PO111	234	Product/Service ID		X	1 AN 1/48
		Identifying number for a product or service			
PO112	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)			
		UK	GTIN 14-digit Data Structure		
			Data structure for the 14 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Item Number (GTIN)		
PO113	234	Product/Service ID		X	1 AN 1/48
		Identifying number for a product or service			
PO114	235	<i>Product/Service ID Qualifier</i>		X	1 ID 2/2
		<i>Code identifying the type/source of the descriptive number used in Product/Service ID (234)</i>			
PO115	234	<i>Product/Service ID</i>		X	1 AN 1/48
		<i>Identifying number for a product or service</i>			
PO116	235	<i>Product/Service ID Qualifier</i>		X	1 ID 2/2
		<i>Code identifying the type/source of the descriptive number used in Product/Service ID (234)</i>			
PO117	234	<i>Product/Service ID</i>		X	1 AN 1/48
		<i>Identifying number for a product or service</i>			
PO118	235	<i>Product/Service ID Qualifier</i>		X	1 ID 2/2
		<i>Code identifying the type/source of the descriptive number used in Product/Service ID (234)</i>			
PO119	234	<i>Product/Service ID</i>		X	1 AN 1/48
		<i>Identifying number for a product or service</i>			
PO120	235	<i>Product/Service ID Qualifier</i>		X	1 ID 2/2
		<i>Code identifying the type/source of the descriptive number used in Product/Service ID (234)</i>			
PO121	234	<i>Product/Service ID</i>		X	1 AN 1/48
		<i>Identifying number for a product or service</i>			
PO122	235	<i>Product/Service ID Qualifier</i>		X	1 ID 2/2
		<i>Code identifying the type/source of the descriptive number used in Product/Service ID (234)</i>			
PO123	234	<i>Product/Service ID</i>		X	1 AN 1/48
		<i>Identifying number for a product or service</i>			
PO124	235	<i>Product/Service ID Qualifier</i>		X	1 ID 2/2
		<i>Code identifying the type/source of the descriptive number used in Product/Service ID (234)</i>			
PO125	234	<i>Product/Service ID</i>		X	1 AN 1/48
		<i>Identifying number for a product or service</i>			

Segment:	SDQ Destination Quantity
Position:	1900
Loop:	PO1
Level:	Detail
Usage:	Optional
Max Use:	500
Purpose:	To specify destination and quantity detail
Syntax Notes:	<ol style="list-style-type: none"> 1 If either SDQ05 or SDQ06 is present, then the other is required. 2 If either SDQ07 or SDQ08 is present, then the other is required. 3 If either SDQ09 or SDQ10 is present, then the other is required. 4 If either SDQ11 or SDQ12 is present, then the other is required. 5 If either SDQ13 or SDQ14 is present, then the other is required. 6 If either SDQ15 or SDQ16 is present, then the other is required. 7 If either SDQ17 or SDQ18 is present, then the other is required. 8 If either SDQ19 or SDQ20 is present, then the other is required. 9 If either SDQ21 or SDQ22 is present, then the other is required.
Semantic Notes:	1 SDQ23 identifies the area within the location identified in SDQ03, SDQ05, SDQ07, SDQ09, SDQ11, SDQ13, SDQ15, SDQ17, SDQ19, and SDQ21.
Comments:	<ol style="list-style-type: none"> 1 SDQ02 is used only if different than previously defined in the transaction set. 2 SDQ03 is the store number. 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.
Notes:	<p>This segment is used to distribute the line item quantity to various locations. SDQ02 serves the same purpose as N103, and all occurrences of Data Element 67 in this segment function as N104. The SDQ segment functions as an N1 segment containing code BY in N101, that is, the SDQ segment specifies various buying locations. The N1 segment, in the basic order, specifies only one location.</p> <p><u>This segment is required by Wal-Mart for all cross-dock and spreadsheet orders.</u></p>

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	SDQ01	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 EA Each	M 1 ID 2/2
	SDQ02	66	Identification Code Qualifier 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	O 1 ID 1/2
M	SDQ03	67	Identification Code Code identifying a party or other code	M 1 AN 2/80
M	SDQ04	380	Quantity Numeric value of quantity	M 1 R 1/15
	SDQ05	67	Identification Code Code identifying a party or other code	X 1 AN 2/80
	SDQ06	380	Quantity Numeric value of quantity	X 1 R 1/15
	SDQ07	67	Identification Code Code identifying a party or other code	X 1 AN 2/80
	SDQ08	380	Quantity	X 1 R 1/15

		Numeric value of quantity			
SDQ09	67	Identification Code	X	1	AN 2/80
		Code identifying a party or other code			
SDQ10	380	Quantity	X	1	R 1/15
		Numeric value of quantity			
SDQ11	67	Identification Code	X	1	AN 2/80
		Code identifying a party or other code			
SDQ12	380	Quantity	X	1	R 1/15
		Numeric value of quantity			
SDQ13	67	Identification Code	X	1	AN 2/80
		Code identifying a party or other code			
SDQ14	380	Quantity	X	1	R 1/15
		Numeric value of quantity			
SDQ15	67	Identification Code	X	1	AN 2/80
		Code identifying a party or other code			
SDQ16	380	Quantity	X	1	R 1/15
		Numeric value of quantity			
SDQ17	67	Identification Code	X	1	AN 2/80
		Code identifying a party or other code			
SDQ18	380	Quantity	X	1	R 1/15
		Numeric value of quantity			
SDQ19	67	Identification Code	X	1	AN 2/80
		Code identifying a party or other code			
SDQ20	380	Quantity	X	1	R 1/15
		Numeric value of quantity			
SDQ21	67	Identification Code	X	1	AN 2/80
		Code identifying a party or other code			
SDQ22	380	Quantity	X	1	R 1/15
		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:	CTT
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. Note: This segment is required by Wal-Mart Stores, Inc.

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	CTT01	354	Number of Line Items Total number of line items in the transaction set	M 1 N0 1/6
			The number of PO1 segments present in the transaction set	
	CTT02	347	Hash Total 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. Example: -.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: 0300
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 This must be the same number as is in the ST segment (ST02) for the transaction set.	M 1 AN 4/9

855 Purchase Order Acknowledgment – ANSI X12

Introduction

This X12 Transaction Set contains the format and establishes the data contents of the Purchase Order Acknowledgment Transaction Set (855) 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 a seller's acknowledgment of a buyer's purchase order. This transaction set can also be used as notification of a vendor generated order. This usage advises a buyer that a vendor has or will ship merchandise as prearranged in their partnership.

855 Purchase Order Acknowledgment – ANSI X12 Standards

Functional Group ID=**PR**

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	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1		
	0400	CUR	Currency	O	1		
	0500	REF	Reference Identification	O	>1		
	0600	PER	Administrative Communications Contact	O	3		
	0700	TAX	Tax Reference	O	>1		
	0800	FOB	F.O.B. Related Instructions	O	>1		
	0900	CTP	Pricing Information	O	>1		
	0950	PAM	Period Amount	O	10		
	1100	CSH	Sales Requirements	O	1		
LOOP ID - SAC						25	
	1200	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
	1250	CUR	Currency	O	1		
	1300	ITD	Terms of Sale/Deferred Terms of Sale	O	5		
	1400	DIS	Discount Detail	O	20		
	1450	INC	Installment Information	O	1		
	1500	DTM	Date/Time Reference	O	10		
	1600	LDT	Lead Time	O	12		
	1800	LIN	Item Identification	O	5		n1
	1850	SI	Service Characteristic Identification	O	>1		
	1900	PID	Product/Item Description	O	200		
	2000	MEA	Measurements	O	40		
	2100	PWK	Paperwork	O	25		
	2200	PKG	Marking, Packaging, Loading	O	25		
	2300	TD1	Carrier Details (Quantity and Weight)	O	2		
	2400	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
	2500	TD3	Carrier Details (Equipment)	O	12		
	2600	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
	2700	MAN	Marks and Numbers	O	10		
	2750	TXI	Tax Information	O	>1		
	2770	CTB	Restrictions/Conditions	O	>1		
LOOP ID - N9						1000	
	2800	N9	Reference Identification	O	1		
	2850	DTM	Date/Time Reference	O	>1		
	2900	MTX	Text	O	>1		
	2950	PWK	Paperwork	O	>1		
	2980	EFI	Electronic Format Identification	O	>1		

		LOOP ID - N1	200	
3000	N1	Name	O	1
3100	N2	Additional Name Information	O	2
3150	IN2	Individual Name Structure Components	O	>1
3200	N3	Address Information	O	2
3300	N4	Geographic Location	O	1
3350	NX2	Location ID Component	O	>1
3400	REF	Reference Identification	O	12
3500	PER	Administrative Communications Contact	O	>1
3550	SI	Service Characteristic Identification	O	>1
3600	FOB	F.O.B. Related Instructions	O	1
3700	TD1	Carrier Details (Quantity and Weight)	O	2
3800	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
3900	TD3	Carrier Details (Equipment)	O	12
4000	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
4100	PKG	Marking, Packaging, Loading	O	25
4200	MTX	Text	O	>1
		LOOP ID - ADV	>1	
4300	ADV	Advertising Demographic Information	O	1
4400	DTM	Date/Time Reference	O	>1
4500	MTX	Text	O	>1

Detail:

Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
		LOOP ID - PO1			100000	
0100	PO1	Baseline Item Data	O	1		n2
0150	LIN	Item Identification	O	>1		
0180	SI	Service Characteristic Identification	O	>1		
0200	CUR	Currency	O	1		
0300	PO3	Additional Item Detail	O	25		
0400	CTP	Pricing Information	O	>1		
0450	PAM	Period Amount	O	10		
0490	MEA	Measurements	O	40		
		LOOP ID - PID			1000	
0500	PID	Product/Item Description	O	1		
0600	MEA	Measurements	O	10		
0700	PWK	Paperwork	O	25		
0900	PO4	Item Physical Details	O	>1		
1000	REF	Reference Identification	O	>1		
1100	PER	Administrative Communications Contact	O	3		
		LOOP ID - SAC			25	
1300	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
1350	CUR	Currency	O	1		
1400	IT8	Conditions of Sale	O	1		
1420	CSH	Sales Requirements	O	>1		
1500	ITD	Terms of Sale/Deferred Terms of Sale	O	2		
1600	DIS	Discount Detail	O	20		

1650	INC	Installment Information	O	1	
1700	TAX	Tax Reference	O	>1	
1800	FOB	F.O.B. Related Instructions	O	>1	
1900	SDQ	Destination Quantity	O	500	
2000	DTM	Date/Time Reference	O	10	
2100	LDT	Lead Time	O	12	
2300	TD1	Carrier Details (Quantity and Weight)	O	1	
2400	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
2500	TD3	Carrier Details (Equipment)	O	12	
2600	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
LOOP ID - ACK				104	
2700	ACK	Line Item Acknowledgment	O	1	
2800	DTM	Date/Time Reference	O	1	
2900	MAN	Marks and Numbers	O	10	
2930	AMT	Monetary Amount	O	1	n3
2950	CTB	Restrictions/Conditions	O	>1	
2960	TXI	Tax Information	O	>1	
LOOP ID - QTY				>1	
3000	QTY	Quantity	O	1	
3020	SI	Service Characteristic Identification	O	>1	
LOOP ID - PKG				200	
3030	PKG	Marking, Packaging, Loading	O	1	
3050	MEA	Measurements	O	>1	
LOOP ID - SCH				200	
3100	SCH	Line Item Schedule	O	1	n4
3150	TD1	Carrier Details (Quantity and Weight)	O	2	
3200	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
3300	TD3	Carrier Details (Equipment)	O	12	
3400	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
3450	REF	Reference Identification	O	>1	
LOOP ID - N9				1000	
3500	N9	Reference Identification	O	1	
3550	DTM	Date/Time Reference	O	>1	
3600	MTX	Text	O	>1	
3650	PWK	Paperwork	O	>1	
3680	EFI	Electronic Format Identification	O	>1	
LOOP ID - N1				200	
3700	N1	Name	O	1	
3800	N2	Additional Name Information	O	2	
3850	IN2	Individual Name Structure Components	O	>1	
3900	N3	Address Information	O	2	
4000	N4	Geographic Location	O	1	
4050	NX2	Location ID Component	O	>1	
4100	REF	Reference Identification	O	12	
4200	PER	Administrative Communications Contact	O	3	
4250	SI	Service Characteristic Identification	O	>1	
4260	DTM	Date/Time Reference	O	1	

4300	FOB	F.O.B. Related Instructions	O	1
4350	SCH	Line Item Schedule	O	200
4400	TD1	Carrier Details (Quantity and Weight)	O	2
4500	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
4600	TD3	Carrier Details (Equipment)	O	12
4700	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
4750	QTY	Quantity	O	>1
4800	PKG	Marking, Packaging, Loading	O	25
LOOP ID - SLN				1000
4900	SLN	Subline Item Detail	O	1
4950	MTX	Text	O	>1
5000	SI	Service Characteristic Identification	O	>1
5100	PID	Product/Item Description	O	1000
5200	PO3	Additional Item Detail	O	25
5220	CTP	Pricing Information	O	25
5230	PAM	Period Amount	O	10
5300	ACK	Line Item Acknowledgment	O	104
LOOP ID - SAC				10
5400	SAC	Service, Promotion, Allowance, or Charge Information	O	1
5450	CUR	Currency	O	1
5500	DTM	Date/Time Reference	O	10
5540	PO4	Item Physical Details	O	1
5570	TAX	Tax Reference	O	3
5580	ADV	Advertising Demographic Information	O	>1
LOOP ID - QTY				>1
5590	QTY	Quantity	O	1
5610	SI	Service Characteristic Identification	O	>1
LOOP ID - N9				>1
5630	N9	Reference Identification	O	1
5640	DTM	Date/Time Reference	O	>1
5650	MTX	Text	O	>1
LOOP ID - N1				10
5760	N1	Name	O	1
5780	N2	Additional Name Information	O	2
5790	IN2	Individual Name Structure Components	O	>1
5800	N3	Address Information	O	2
5900	N4	Geographic Location	O	1
6000	NX2	Location ID Component	O	>1
6100	REF	Reference Identification	O	12
6200	PER	Administrative Communications Contact	O	3
6250	SI	Service Characteristic Identification	O	>1

Summary:

Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
LOOP ID - CTT						1
0100	CTT	Transaction Totals	O	1		n5
0200	AMT	Monetary Amount	O	1		n6

M 0300 SE Transaction Set Trailer

M 1

Transaction Set Notes

1. If segment LIN is used, do not use LIN01.
2. PO102 is required.
3. If AMT is used in the detail area, then AMT01 will = 1 and AMT02 will indicate total line amount as calculated by the sender.
4. The SCH segment is used to specify various quantities of items ordered that are to be scheduled. When this segment is used the unit of measurement code (SCH02) should always be identical to the unit of measurement code in the associated PO1 segment (PO103) and the sum of values of quantity (SCH01) should always equal the quantity ordered (PO102) in the PO1 segment.
5. The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.
6. If AMT is used in the summary area, then AMT01 will = TT and AMT02 will indicate total transaction amount as calculated by the sender.

855 Purchase Order Acknowledgment - 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 Purchase Order Acknowledgment Transaction Set.

Within the retail industry, there are three distinct uses for the Purchase Order Acknowledgment Transaction Set (855). The first is the traditional **acknowledgment** of a retailer's purchase order. The seller sends the 855 to acknowledge the retailer's purchase order with no change, or to cancel or make changes to the retailer's purchase order.

The second is to **notify** the retailer of a vendor-generated replenishment order. The seller advises a retailer that the seller will ship merchandise as prearranged in their partnership.

The third is to **cancel or make changes** to a vendor generated replenishment order. The seller sends an 855 to cancel or change a previously transmitted 855.

The combination of the transaction set purpose code in BAK01 and the Acknowledgment type code in BAK02 specifies the purpose and re-requested action of the document. When necessary, identification of the distinct purpose of the document is included in the VICS EDI implementation guidelines (e.g. NOTIFICATION or ACKNOWLEDGMENT)

The replenishment Acknowledgment is not a Ship Notice/Manifest (856), nor shall it be used in place of the Ship Notice/Manifest.

855 Purchase Order Acknowledgment - VICS Guidelines

Functional Group ID=**PR**

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	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1		
	0400	CUR	Currency	O	1		
	0500	REF	Reference Identification	O	>1		
	0600	PER	Administrative Communications Contact	O	3		
	0700	TAX	Tax Reference	O	>1		
	0800	FOB	F.O.B. Related Instructions	O	>1		
LOOP ID - SAC						25	
	1200	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
	1300	ITD	Terms of Sale/Deferred Terms of Sale	O	5		
	1500	DTM	Date/Time Reference	O	10		
	1900	PID	Product/Item Description	O	200		
	2200	PKG	Marking, Packaging, Loading	O	25		
	2500	TD3	Carrier Details (Equipment)	O	12		
LOOP ID - N1						200	
	3000	N1	Name	O	1		
	3100	N2	Additional Name Information	O	2		
	3200	N3	Address Information	O	2		
	3300	N4	Geographic Location	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 - PO1						100000	
	0100	PO1	Baseline Item Data	O	1		n 1
	0400	CTP	Pricing Information	O	>1		
LOOP ID - PID						1000	
	0500	PID	Product/Item Description	O	1		
	0900	PO4	Item Physical Details	O	>1		
LOOP ID - SAC						25	
	1300	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
	1900	SDQ	Destination Quantity	O	500		
LOOP ID - ACK						104	
	2700	ACK	Line Item Acknowledgment	O	1		
LOOP ID - PKG						200	
	3030	PKG	Marking, Packaging, Loading	O	1		
LOOP ID - N1						200	

3700	N1	Name	O	1
3800	N2	Additional Name Information	O	2
3900	N3	Address Information	O	2
4000	N4	Geographic Location	O	1
LOOP ID - SLN 1000				
4900	SLN	Subline Item Detail	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>
LOOP ID - CTT 1						
0100	CTT	Transaction Totals	O	1		n2
M	0300	SE	Transaction Set Trailer	M	1	

Transaction Set Notes

1. PO102 is required.
2. The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

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

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:	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:	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. This segment identifies Wal-Mart Stores, Inc. as the sender of the document

Data Element Summary				
	Ref. Des.	Data Element	Name	
1	M	N101 98	Entity Identifier Code	8
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	7
5	N104	67	Identification Code	
			Code identifying a party or other code	
1	N105	706	Entity Relationship Code	
			Code describing entity relationship	
6	N106	98	Entity Identifier Code	
			Code identifying an organizational entity, a physical location, property or an individual	

855 Purchase Order Acknowledgment - 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>4030 Position</u>	<u>Data Element</u>	<u>Change</u>	<u>Qualifier</u>
BAK	H0200	353	Removed	05
PO1	D0100	235	Added	UK

Change History

Date	Version	Description of Changes
December 8, 2004	0.1	Original DRAFT.
December 9, 2004	0.2	Minor revisions
March 15, 2005	1.0	Production Version
May 12, 2005	1.1	Added comment to the CTT segment; At this time, this segment is required by Wal-Mart applications.
July, 2005	1.2	Corrected Business Examples, added additional information for general use, and corrected guide syntax errors.