

Wal-Mart Stores, Inc.

Electronic Data Interchange Implementation Guideline
ANSI X12 Version 5010

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850 Purchase Order

Business Usage:
Store Planning

EDI Direction: From Wal-Mart

Implementation Guide Version 1.0
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850 Purchase Order – Wal-Mart Stores, Inc. Introduction

Wal-Mart uses the Store Planning 850 Purchase Order to transmit orders for fixtures, equipment, and supplies for all Wal-Mart stores and Sam's Clubs. This includes, but is not limited to, orders for fixture requests, new stores, expansions, remodels, relocations, and special projects. *Note: This purchase order does not support general merchandise or grocery merchandise.*

Functional Acknowledgment

A *Functional Acknowledgment*, VICS/EDI transaction set 997 must be sent within 24 hours of receipt of originating transmission to acknowledge receipt of an 850 transmission or to notify Wal-Mart Stores, Inc. of format or syntax errors.

Purchase Order Formats

Four order types will be transmitted from Wal-Mart Store Planning:

BASIC ORDERS

Basic orders are for merchandise sent to a Distribution Center to be distributed as needed. A single N1 segment with a BY (Buying Party) qualifier will be sent. This segment will include a Global Location Number to identify the DC in the N104 element. The N1 group will not include a N3 or N4 segment. Instead, the supplier is expected to retrieve the correct address information from the Organizational Relationships (816) document. There will not be any associated SDQ Segments at the line item level for this type of order.

NEW STORE ORDERS

New Store orders are single destination orders for merchandise that will be sent direct to store. A single N1 segment with a ST (Ship To) qualifier will be sent. Because this is a new location, this segment will NOT include a Global Location Number. Instead, a N3 and N4 segment will be sent, as part of the N1 group, with the correct Ship-To address information. There will not be any associated SDQ Segments at the line item level for this type of order.

MULTI-SHIP ORDERS

Multi-Ship orders are multiple destination orders for merchandise that will be sent direct to store. A single N1 segment with a FR (Message From) qualifier will be sent. This segment will NOT include a GLN or associated N3 and N4 segments because there is no single destination that can be defined at the document level. The purpose of this N1 segment is only to identify a Wal-Mart entity (Wal-Mart, Sam's, etc.) as the purchaser. The actual shipping destination information will be Global Location Numbers located in the SDQ segment(s) within each line item detail.

CROSS DOCK ORDERS

Cross Dock orders are for merchandise sent to a single Distribution Center, but already predestined for specific stores. A single N1 segment with a ST (Ship-To) qualifier will be sent. The N1 segment will include a Global Location Number for the DC that the merchandise is to be shipped to. There will be no associated N3 or N4 segments in the N1 Group. The supplier is expected to retrieve the correct address information from the Organizational Relationships (816) document. In addition to the N1 Segments, there will be SDQ segments in each line item

detail that contain the Global Location Number(s) for the stores where the merchandise is ultimately intended.

Address Information

In some occurrences in this purchase order data, it may be necessary to look up an address when one is not provided (i.e., SDQ segments do not have addresses, only location numbers). Wal-Mart will send out the address information for all of its locations with the 816 – Organizational Relationships document. Additionally, Wal-Mart and Sam's business unit information can be found on Retail Link, <http://retailink.wal-mart.com>. Go to the information tab and choose business units. If a location is not found on Retail Link, please call EDI Supplier Support at 501-277-8888.

850 Purchase Order – Wal-Mart Stores, Inc. Implementation

Functional Group ID=**PO**

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	BEG	Beginning Segment for Purchase Order	M		1	
	0400	CUR	Currency	O		1	
	0500	REF	Reference Information - Internal Vendor Number	O		>1	
	0500	REF	Reference Information - Division Identifier	O		>1	
	0600	PER	Administrative Communications Contact	O		3	
	1500	DTM	Date/Time Reference	O		10	
						LOOP ID - N9	1000
	2950	N9	Extended Reference Information	O		1	
	3000	MTX	Text	O		>1	
						LOOP ID - N1	200
	3100	N1	Party Identification - Wal-Mart Shipping and Financial Information	O		1	
	3300	N3	Party Location	O		2	
	3400	N4	Geographic Location	O		>1	
						LOOP ID - N1	200
	3100	N1	Party Identification - Supplier Information	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
M	0100	PO1	Baseline Item Data	M		1	n1
	1900	SDQ	Destination Quantity	O		500	
						LOOP ID - N9	1000
	3300	N9	Extended Reference Information	O		1	
	3400	MTX	Text	O		>1	
						LOOP ID - AMT	>1
	6000	AMT	Monetary Amount Information	O		1	

Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
						LOOP ID - CTT	1
	0100	CTT	Transaction Totals	O		1	n2
	0200	AMT	Monetary Amount Information	O		1	n3
M	0300	SE	Transaction Set Trailer	M		1	

Transaction Set Notes

1. PO102 is required.
850 Store Planning (005010)

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.
3. If AMT is used in the summary area, then AMT01 will = TT and AMT02 will indicate total transaction amount as calculated by the sender.

Wal-Mart Business Example – Single Ship-to Location

<u>EDI TRANSMISSION DATA</u>	<u>EXPLANATION</u>
ST*850*0001	850 is the Transaction Set Identifier Code indicating Purchase Order. 0001 is the Transaction Set Control Number
BEG*00*SA*1285833**20050204	00 is the Transaction Set Purpose Code . “00” indicates “Original”. SA is the Purchase Order Type Code . “SA” indicates “Stand-alone Order”. 1285833 is the Purchase Order Number . 20050204 is the Date . (PO Date)
CUR*BY*USD	BY is the Entity Identifier Code . “BY” indicates “Buying Party (Purchaser)”. USD is the Currency Code . “USD” indicates “U.S. Dollars”.
REF*IA*636746	IA is the Reference Identification Qualifier . “IA” indicates “Internal Vendor Number”. 636746 is the Reference Identification . (6-digit vendor number)
REF*19*01	19 is the Reference Identification Qualifier . “19” indicates “Division”. 01 is the Reference Identification . “01” indicates “Wal-Mart Stores”
PER*BD*BUYER NAME*TE*4792734598	BD is the Contact Function Code . “BD” indicates “Buyer Name or Department”. BUYER NAME is the Name . (Buyer) TE is the Communication Number Qualifier . “TE” indicates “Telephone”. 4792734598 is the Communication Number . (Buyer’s phone number)
DTM*996*20050511	996 is the Date/Time Qualifier . “996” indicates “Required Delivery”. 20050511 is the Date .
N9*L1*SPECIAL INSTRUCTIONS	L1 is the Reference Identification Qualifier . “L1” indicates “Letters or Notes”. SPECIAL INSTRUCTIONS is the Reference Identification .
MTX**ORDER TYPE IS INITIAL	ORDER TYPE IS INITIAL is the Message Text .
N1*BY*WAL-MART STORE PLANNING ACCTG*UL*0078742000015	BY is the Entity Identifier Code . “BY” indicates “Buying Party (Purchaser)”. WAL-MART STORE PLANNING ACCTG is the Name . UL is the Identification Code Qualifier . “UL” indicates “Global Location Number (GLN)”. 0078742000015 is the Identification Code .
N1*SU*SUPPLIER NAME	SU is the Entity Identifier Code . “SU” indicates “Supplier/Manufacturer”. SUPPLIER NAME is the Name .
PO1*1*1*EA*3116.94*LE*IN*TO-MJR-MTL-CO*VN*TO-MJR-MTL-CO	1 is the Assigned Identification . 1 is the Quantity Ordered . EA is the Unit or Basis for Measurement Code . “EA” indicates “Each”. 3116.94 is the Unit Price . LE is the Basis of Unit Price Code . “LE” indicates

	<p>“Catalog Price per Each”.</p> <p>IN is the Product/Service ID Qualifier. “IN” indicates “Buyer’s Item Number”.</p> <p>TO-MJR-MTL-CO is the Product/Service ID. (Wal-Mart Item Number)</p> <p>VN is the Product/Service ID Qualifier. “VN” indicates “Vendor’s (Seller’s) Item Number.”</p> <p>TO-MJR-MTL-CO is the Product/Service ID. (Supplier’s Item Number)</p>
AMT*1*3116.94	<p>1 is the Amount Qualifier Code. “1” indicates “Line Item Total”.</p> <p>3116.94 is the Monetary Amount.</p>
CTT*1	<p>1 is the Number of Line Items.</p>
AMT*TT*3116.94	<p>TT is the Amount Qualifier Code. “TT” indicates “Total Transaction Amount”.</p> <p>3116.94 is the Monetary Amount.</p>
SE*16*0001	<p>16 is the Number of Included Segments.</p> <p>0001 is the Transaction Set Control Number</p>

Wal-Mart Business Example – New Location (No GLN)

<u>EDI TRANSMISSION DATA</u>	<u>EXPLANATION</u>
ST*850*0001	850 is the Transaction Set Identifier Code indicating Purchase Order. 0001 is the Transaction Set Control Number
BEG*00*SA*1285833**20050204	00 is the Transaction Set Purpose Code . “00” indicates “Original”. SA is the Purchase Order Type Code . “SA” indicates “Stand-alone Order”. 1285833 is the Purchase Order Number . 20050204 is the Date . (PO Date)
CUR*BY*USD	BY is the Entity Identifier Code . “BY” indicates “Buying Party (Purchaser)”. USD is the Currency Code . “USD” indicates “U.S. Dollars”.
REF*IA*636746	IA is the Reference Identification Qualifier . “IA” indicates “Internal Vendor Number”. 636746 is the Reference Identification . (6-digit vendor number)
REF*19*01	19 is the Reference Identification Qualifier . “19” indicates “Division”. 01 is the Reference Identification . “01” indicates “Wal-Mart Stores”
PER*BD*BUYER NAME*TE*4792734598	BD is the Contact Function Code . “BD” indicates “Buyer Name or Department”. BUYER NAME is the Name . (Buyer) TE is the Communication Number Qualifier . “TE” indicates “Telephone”. 4792734598 is the Communication Number . (Buyer’s phone number)
DTM*996*20050511	996 is the Date/Time Qualifier . “996” indicates “Required Delivery”. 20050511 is the Date .
N9*L1*SPECIAL INSTRUCTIONS	L1 is the Reference Identification Qualifier . “L1” indicates “Letters or Notes”. SPECIAL INSTRUCTIONS is the Reference Identification .
MTX**ORDER TYPE IS INITIAL	ORDER TYPE IS INITIAL is the Message Text .
N1*BY*WAL-MART STORE PLANNING ACCTG	BY is the Entity Identifier Code . “BY” indicates “Buying Party (Purchaser)”. WAL-MART STORE PLANNING ACCTG is the Name .
N3*495 FLATBUSH AVE	495 FLATBUSH AVE is the Address Information .
N4*HARTFORD*CT*06106	HARTFORD is the City Name . CT is the State or Province Code 06106 is the Postal Code .
N1*SU*SUPPLIER NAME	SU is the Entity Identifier Code . “SU” indicates “Supplier/Manufacturer”. SUPPLIER NAME is the Name .
PO1*1*1*EA*3116.94*LE*IN*TO-MJR-MTL-CO*VN*TO-MJR-MTL-CO	1 is the Assigned Identification . 1 is the Quantity Ordered . EA is the Unit or Basis for Measurement Code . “EA” indicates “Each”. 3116.94 is the Unit Price .

	<p>LE is the Basis of Unit Price Code. “LE” indicates “Catalog Price per Each”.</p> <p>IN is the Product/Service ID Qualifier. “IN” indicates “Buyer’s Item Number”.</p> <p>TO-MJR-MTL-CO is the Product/Service ID. (Wal-Mart Item Number)</p> <p>VN is the Product/Service ID Qualifier. “VN” indicates “Vendor’s (Seller’s) Item Number.”</p> <p>TO-MJR-MTL-CO is the Product/Service ID. (Supplier’s Item Number)</p>
AMT*1*3116.94	<p>1 is the Amount Qualifier Code. “1” indicates “Line Item Total”.</p> <p>3116.94 is the Monetary Amount.</p>
CTT*1	<p>1 is the Number of Line Items.</p>
AMT*TT*3116.94	<p>TT is the Amount Qualifier Code. “TT” indicates “Total Transaction Amount”.</p> <p>3116.94 is the Monetary Amount.</p>
SE*18*0001	<p>18 is the Number of Included Segments.</p> <p>0001 is the Transaction Set Control Number</p>

Wal-Mart Business Example – Cross Dock

<u>EDI TRANSMISSION DATA</u>	<u>EXPLANATION</u>
ST*850*0001	850 is the Transaction Set Identifier Code indicating Purchase Order. 0001 is the Transaction Set Control Number
BEG*00*SA*1310175**20050202	00 is the Transaction Set Purpose Code . “00” indicates “Original”. SA is the Purchase Order Type Code . “SA” indicates “Stand-alone Order”. 1310175 is the Purchase Order Number . 20050202 is the Date . (PO Date)
CUR*BY*USD	BY is the Entity Identifier Code . “BY” indicates “Buying Party (Purchaser)”. USD is the Currency Code . “USD” indicates “U.S. Dollars”.
REF*IA*634593	IA is the Reference Identification Qualifier . “IA” indicates “Internal Vendor Number”. 634593 is the Reference Identification . (6-digit vendor number)
REF*19*01	19 is the Reference Identification Qualifier . “19” indicates “Division”. 01 is the Reference Identification . “01” indicates “Wal-Mart Stores”
PER*BD*BUYER NAME*TE*4792734390	BD is the Contact Function Code . “BD” indicates “Buyer Name or Department”. BUYER NAME is the Name . (Buyer) TE is the Communication Number Qualifier . “TE” indicates “Telephone”. 4792734390 is the Communication Number . (Buyer’s phone number)
DTM*996*20050511	996 is the Date/Time Qualifier . “996” indicates “Required Delivery”. 20050511 is the Date .
N9*L1*SPECIAL INSTRUCTIONS	L1 is the Reference Identification Qualifier . “L1” indicates “Letters or Notes”. SPECIAL INSTRUCTIONS is the Reference Identification .
MTX**ORDER TYPE IS INITIAL	ORDER TYPE IS INITIAL is the Message Text .
N1*ST*WEST CONSOLIDATION WHSE #9559*UL*0078742038476	ST is the Entity Identifier Code . “ST” indicates “Ship To”. WEST CONSOLIDATION WHSE #9559 is the Name . UL is the Identification Code Qualifier . “UL” indicates “Global Location Number (GLN)”. 0078742038476 is the Identification Code .
N1*SU*SUPPLIER NAME	SU is the Entity Identifier Code . “SU” indicates “Supplier/Manufacturer”. SUPPLIER NAME is the Name .
PO1*1*1*EA*18.92*LE*IN*DWAL2290P*VN*DWAL2290P	1 is the Assigned Identification . 1 is the Quantity Ordered . EA is the Unit or Basis for Measurement Code . “EA” indicates “Each”. 18.92 is the Unit Price . LE is the Basis of Unit Price Code . “LE” indicates

	<p>“Catalog Price per Each”.</p> <p>IN is the Product/Service ID Qualifier. “IN” indicates “Buyer’s Item Number”.</p> <p>DWAL2290P is the Product/Service ID. (Wal-Mart Item Number)</p> <p>VN is the Product/Service ID Qualifier. “VN” indicates “Vendor’s (Seller’s) Item Number.”</p> <p>DWAL2290P is the Product/Service ID. (Supplier’s Item Number)</p>
SDQ*EA*UL*0681131000741*1	<p>EA is the Unit or Basis for Measurement Code. “EA” indicates “Each”.</p> <p>9 is the Identification Code Qualifier. “9” indicates “D-U-N-S+4, D-U-N-S Number with Four Character Suffix”.</p> <p>0681131000741 is the Identification Code.</p> <p>1 is the Quantity.</p>
AMT*1*18.92	<p>1 is the Amount Qualifier Code. “1” indicates “Line Item Total”.</p> <p>18.92 is the Monetary Amount.</p>
CTT*1	<p>1 is the Number of Line Items.</p>
AMT*TT*18.92	<p>TT is the Amount Qualifier Code. “TT” indicates “Total Transaction Amount”.</p> <p>18.92 is the Monetary Amount.</p>
SE*17*0001	<p>17 is the Number of Included Segments.</p> <p>0001 is the Transaction Set Control Number</p>

Wal-Mart Business Example – Multiple Ship-To Locations

<u>EDI TRANSMISSION DATA</u>	<u>EXPLANATION</u>
ST*850*0001	850 is the Transaction Set Identifier Code indicating Purchase Order. 0001 is the Transaction Set Control Number
BEG*00*SA*1309859**20050202	00 is the Transaction Set Purpose Code . “00” indicates “Original”. SA is the Purchase Order Type Code . “SA” indicates “Stand-alone Order”. 1309859 is the Purchase Order Number . 20050202 is the Date . (PO Date)
CUR*BY*USD	BY is the Entity Identifier Code . “BY” indicates “Buying Party (Purchaser)”. USD is the Currency Code . “USD” indicates “U.S. Dollars”.
REF*IA*404871	IA is the Reference Identification Qualifier . “IA” indicates “Internal Vendor Number”. 404871 is the Reference Identification . (6-digit vendor number)
REF*19*27	19 is the Reference Identification Qualifier . “19” indicates “Division”. 27 is the Reference Identification . “27” indicates “Bakery”
PER*BD*BUYER NAME*TE*4792040328	BD is the Contact Function Code . “BD” indicates “Buyer Name or Department”. BUYER NAME is the Name . (Buyer) TE is the Communication Number Qualifier . “TE” indicates “Telephone”. 4792040328 is the Communication Number . (Buyer’s phone number)
DTM*996*20050511	996 is the Date/Time Qualifier . “996” indicates “Required Delivery”. 20050511 is the Date .
N9*L1*SPECIAL INSTRUCTIONS	L1 is the Reference Identification Qualifier . “L1” indicates “Letters or Notes”. SPECIAL INSTRUCTIONS is the Reference Identification .
MTX**ORDER TYPE IS INITIAL	ORDER TYPE IS INITIAL is the Message Text .
N1*FR*WAL-MART STORE PLANNING ACCTG	FR is the Entity Identifier Code . “FR” indicates “Message From”. WAL-MART STORE PLANNING ACCTG is the Name .
N1*SU*SUPPLIER NAME	SU is the Entity Identifier Code . “SU” indicates “Supplier/Manufacturer”. SUPPLIER NAME is the Name .
PO1*1*1*EA*185*LE*IN*560138.037.CH*VN*AL-CR-2448-6-WM	1 is the Assigned Identification . 1 is the Quantity Ordered . EA is the Unit or Basis for Measurement Code . “EA” indicates “Each”. 185 is the Unit Price . LE is the Basis of Unit Price Code . “LE” indicates “Catalog Price per Each”. IN is the Product/Service ID Qualifier . “IN” indicates “Buyer’s Item Number”.

	<p>560138.037.CH is the Product/Service ID. (Wal-Mart Item Number)</p> <p>VN is the Product/Service ID Qualifier. “VN” indicates “Vendor’s (Seller’s) Item Number.”</p> <p>AL-CR-2448-6-WM is the Product/Service ID. (Supplier’s Item Number)</p>
SDQ*EA*UL*0078742010557*1	<p>EA is the Unit or Basis for Measurement Code. “EA” indicates “Each”.</p> <p>UL is the Identification Code Qualifier. “9” indicates “D-U-N-S+4, D-U-N-S Number with Four Character Suffix”.</p> <p>0078742010557 is the Identification Code.</p> <p>1 is the Quantity.</p>
AMT*1*185	<p>1 is the Amount Qualifier Code. “1” indicates “Line Item Total”.</p> <p>185 is the Monetary Amount.</p>
CTT*1	<p>1 is the Number of Line Items.</p>
AMT*TT*185	<p>TT is the Amount Qualifier Code. “TT” indicates “Total Transaction Amount”.</p> <p>185 is the Monetary Amount.</p>
SE*17*0001	<p>17 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>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
M	ST01	143 Transaction Set Identifier Code Code uniquely identifying a Transaction Set	M 1 ID 3/3
M	ST02	329 Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set <u>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 001 and incremented by one for each additional transaction set within the group.</u>	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: **BEG** Beginning Segment for Purchase Order
Position: 0200
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates

Syntax Notes:
Semantic Notes: 1 BEG05 is the date assigned by the purchaser to purchase order.
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	BEG01	353	Transaction Set Purpose Code Code identifying purpose of transaction set	M 1 ID 2/2
			00 Original	
			02 Add	
			03 Delete	
			04 Change	
M	BEG02	92	Purchase Order Type Code Code specifying the type of Purchase Order	M 1 ID 2/2
			SA Stand-alone Order	
M	BEG03	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser	M 1 AN 1/22
	BEG04	328	<i>Release Number</i> <i>Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction</i>	O 1 AN 1/30
M	BEG05	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	M 1 DT 8/8
	BEG06	367	<i>Contract Number</i> <i>Contract number</i>	O 1 AN 1/30
	BEG07	587	<i>Acknowledgment Type</i> <i>Code specifying the type of acknowledgment</i>	O 1 ID 2/2
	BEG08	1019	<i>Invoice Type Code</i> <i>Code defining the method by which invoices are to be processed</i>	O 1 ID 3/3
	BEG09	1166	<i>Contract Type Code</i> <i>Code identifying a contract type</i>	O 1 ID 2/2
	BEG10	1232	<i>Purchase Category</i> <i>Code identifying the broad category of products or services being acquired</i>	O 1 ID 2/2
	BEG11	786	<i>Security Level Code</i> <i>Code indicating the level of confidentiality assigned by the sender to the information following</i>	O 1 ID 2/2
	BEG12	640	<i>Transaction Type Code</i> <i>Code specifying the type of transaction</i>	O 1 ID 2/2

Segment: **CUR** Currency
Position: 0400
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction
Syntax Notes:

- 1 If CUR08 is present, then CUR07 is required.
- 2 If CUR09 is present, then CUR07 is required.
- 3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
- 4 If CUR11 is present, then CUR10 is required.
- 5 If CUR12 is present, then CUR10 is required.
- 6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
- 7 If CUR14 is present, then CUR13 is required.
- 8 If CUR15 is present, then CUR13 is required.
- 9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
- 10 If CUR17 is present, then CUR16 is required.
- 11 If CUR18 is present, then CUR16 is required.
- 12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
- 13 If CUR20 is present, then CUR19 is required.
- 14 If CUR21 is present, then CUR19 is required.

Semantic Notes:
Comments:

- 1 See Figures Appendix for examples detailing the use of the CUR segment.

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	CUR01	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual BY Buying Party (Purchaser)	M 1 ID 2/3
M	CUR02	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified ARS Argentine Peso BRL Brazilian Real CAD Canadian Dollar CNY Chinese Ruan Renminbi EUR Euro [EAN Code] GBP Great British Pound Sterling MXN Mexican Peso USD U.S. Dollars	M 1 ID 3/3
	CUR03	280	<i>Exchange Rate</i> <i>Value to be used as a multiplier conversion factor to convert monetary value from one currency to another</i>	O 1 R 4/10
	CUR04	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	O 1 ID 2/3
	CUR05	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified	O 1 ID 3/3
	CUR06	669	Currency Market/Exchange Code Code identifying the market upon which the currency exchange rate is based	O 1 ID 3/3
	CUR07	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	X 1 ID 3/3
	CUR08	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the	O 1 DT 8/8

		<i>calendar year</i>		
CUR09	337	Time	O	1 TM 4/8
		<i>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)</i>		
CUR10	374	Date/Time Qualifier	X	1 ID 3/3
		<i>Code specifying type of date or time, or both date and time</i>		
CUR11	373	Date	X	1 DT 8/8
		<i>Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year</i>		
CUR12	337	Time	X	1 TM 4/8
		<i>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)</i>		
CUR13	374	Date/Time Qualifier	X	1 ID 3/3
		<i>Code specifying type of date or time, or both date and time</i>		
CUR14	373	Date	X	1 DT 8/8
		<i>Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year</i>		
CUR15	337	Time	X	1 TM 4/8
		<i>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)</i>		
CUR16	374	Date/Time Qualifier	X	1 ID 3/3
		<i>Code specifying type of date or time, or both date and time</i>		
CUR17	373	Date	X	1 DT 8/8
		<i>Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year</i>		
CUR18	337	Time	X	1 TM 4/8
		<i>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)</i>		
CUR19	374	Date/Time Qualifier	X	1 ID 3/3
		<i>Code specifying type of date or time, or both date and time</i>		
CUR20	373	Date	X	1 DT 8/8
		<i>Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year</i>		
CUR21	337	Time	X	1 TM 4/8
		<i>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)</i>		

Segment: **REF** Reference Information - Internal Vendor 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: **This instance of the REF segment will contain the Wal-Mart assigned 6-digit vendor number.**

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
M REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification IA Internal Vendor Number	M 1 ID 2/3
REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	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 - Division Identifier
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: **This instance of the REF segment will contain the Wal-Mart division number.**

Data Element Summary

M	Ref. Des.	Data Element	Name	Attributes	
				M	1
	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 19 Division Identifier	M	ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	1 AN 1/50
	REF03	352	Description <i>A free-form description to clarify the related data elements and their content</i>	X	1 AN 1/80
	REF04	C040	Reference Identifier <i>To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier</i>	O	1
	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification	M	ID 2/3
	C04002	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M	AN 1/50
	C04003	128	Reference Identification Qualifier Code qualifying the Reference Identification	X	ID 2/3
	C04004	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/50
	C04005	128	Reference Identification Qualifier Code qualifying the Reference Identification	X	ID 2/3
	C04006	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/50

Segment: **PER** Administrative Communications Contact
Position: 0600
Loop:
Level: Heading
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:

- 1 If either PER03 or PER04 is present, then the other is required.
- 2 If either PER05 or PER06 is present, then the other is required.
- 3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named BD Buyer Name or Department	M 1 ID 2/2
	PER02	93	Name Free-form name	O 1 AN 1/60
	PER03	365	Communication Number Qualifier Code identifying the type of communication number TE Telephone	X 1 ID 2/2
	PER04	364	Communication Number Complete communications number including country or area code when applicable	X 1 AN 1/256
	PER05	365	<i>Communication Number Qualifier</i> <i>Code identifying the type of communication number</i>	X 1 ID 2/2
	PER06	364	<i>Communication Number</i> <i>Complete communications number including country or area code when applicable</i>	X 1 AN 1/256
	PER07	365	<i>Communication Number Qualifier</i> <i>Code identifying the type of communication number</i>	X 1 ID 2/2
	PER08	364	<i>Communication Number</i> <i>Complete communications number including country or area code when applicable</i>	X 1 AN 1/256
	PER09	443	<i>Contact Inquiry Reference</i> <i>Additional reference number or description to clarify a contact number</i>	O 1 AN 1/20

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:

Data Element Summary

Ref.	Data	Attributes	
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	DTM01	374	M 1 ID 3/3
		Date/Time Qualifier	
		Code specifying type of date or time, or both date and time	
		996 Required Delivery	
		A date on which or before, ordered goods or services must be delivered	
	DTM02	373	X 1 DT 8/8
		Date	
		Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	
		<u>The merchandise must be delivered on this date. It is not to be delivered before or after this date.</u>	
	DTM03	337	X 1 TM 4/8
		<i>Time</i>	
		<i>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)</i>	
	DTM04	623	O 1 ID 2/2
		<i>Time Code</i>	
		<i>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</i>	
	DTM05	1250	X 1 ID 2/3
		<i>Date Time Period Format Qualifier</i>	
		<i>Code indicating the date format, time format, or date and time format</i>	
	DTM06	1251	X 1 AN 1/35
		<i>Date Time Period</i>	
		<i>Expression of a date, a time, or range of dates, times or dates and times</i>	

Segment: **N9** Extended Reference Information

Position: 2950

Loop: N9

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 L1 Letters or Notes	M 1 ID 2/3
N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier This element will always contain the text: "Special Instructions"	X 1 AN 1/50
N903	369	Free-form Description Free-form descriptive text	X 1 AN 1/45
N904	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	O 1 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 1 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 1 ID 2/2
N907	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: **MTX** Text
Position: 3000
Loop: N9
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify textual data
Syntax Notes:

- 1 If MTX01 is present, then MTX02 is required.
- 2 If MTX03 is present, then MTX02 is required.
- 3 If MTX05 is present, then MTX04 is required.

Semantic Notes:

- 1 MTX05 is the number of lines to advance before printing.

Comments:

- 1 If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
MTX01	363	Note Reference Code <i>Code identifying the functional area or purpose for which the note applies</i>	O 1 ID 3/3
MTX02	1551	Textual Data To transmit large volumes of message text	X 1 AN 1/4096
MTX03	1551	Textual Data <i>To transmit large volumes of message text</i>	O 1 AN 1/4096
MTX04	934	Printer Carriage Control Code <i>A field to be used for the control of the line feed of the receiving printer</i>	X 1 ID 2/2
MTX05	1470	Number <i>A generic number</i>	O 1 N0 1/9
MTX06	819	Language Code <i>Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)</i>	O 1 ID 2/3

Segment: **N1** Party Identification - Wal-Mart Shipping Information
Position: 3100
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: **There are different types of N1 segments that may be used by Wal-Mart for Store Planning Purchase Orders, depending on the type of order:**

SINGLE DESTINATION DIRECT TO STORE ORDERS

New Store orders are single destination orders for merchandise that will be sent direct to store. A single N1 segment with a ST (Ship To) qualifier will be sent. Because this order type is often used for new store locations, this segment will NOT include a Global Location Number. Instead, a N3 and N4 segment will be sent, as part of the N1 group, with the correct Ship-To address information. There will not be any associated SDQ Segments at the line item level for this type of order.

MULTIPLE DESTINATION (MULTI-SHIP) DIRECT TO STORE ORDERS

Multi-Ship orders are multiple destination orders for merchandise that will be sent direct to store. A single N1 segment with a FR (Message From) qualifier will be sent. This segment will NOT include a GLN or associated N3 and N4 segments because there is no single destination that can be defined at the document level. The purpose of this N1 segment is only to identify a Wal-Mart entity (Wal-Mart, Sam's, etc.) as the purchaser. The actual shipping destination information will be Global Location Numbers located in the SDQ segment(s) within each line item detail.

CROSS DOCK ORDERS

Cross Dock orders are for merchandise sent to a single Distribution Center, but already predestined for specific stores. A single N1 segment with a ST (Ship-To) qualifier will be sent. The N1 segment will include a Global Location Number for the DC that the merchandise is to be shipped to. There will be no associated N3 or N4 segments in the N1 Group. The supplier is expected to retrieve the correct address information from the Organizational Relationships (816) document. In addition to the N1 Segments, there will be SDQ segments in each line item detail that contain the Global Location Number(s) for the stores where the merchandise is ultimately intended.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
M	N101	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual BY Buying Party (Purchaser) FR Message From ST Ship To	M 1 ID 2/3
	N102	93 Name Free-form name	X 1 AN 1/60
	N103	66 Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67)	X 1 ID 1/2

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			
<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: N3 Party Location
Position: 3300
Loop: N1
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes:

This information will only be sent for locations that do not yet have a Global Location Number (GLN)..

Data Element Summary

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

Segment: **N4** Geographic Location
Position: 3400
Loop: N1
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify the geographic place of the named party
Syntax Notes:

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

Semantic Notes:
Comments:

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

Notes: **This information will only be sent for locations that do not yet have a Global Location Number (GLN).**

Data Element Summary

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

Segment: **N1 Party Identification - Supplier Information**
Position: 3100
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

M	Ref. Des.	Data Element	Name	Attributes	
				M	1
	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual SU Supplier/Manufacturer	M	1 ID 2/3
	N102	93	Name Free-form name	X	1 AN 1/60
	<i>N103</i>	<i>66</i>	<i>Identification Code Qualifier</i> <i>Code designating the system/method of code structure used for Identification Code (67)</i>	<i>X</i>	<i>1 ID 1/2</i>
	<i>N104</i>	<i>67</i>	<i>Identification Code</i> <i>Code identifying a party or other code</i>	<i>X</i>	<i>1 AN 2/80</i>
	<i>N105</i>	<i>706</i>	<i>Entity Relationship Code</i> <i>Code describing entity relationship</i>	<i>O</i>	<i>1 ID 2/2</i>
	<i>N106</i>	<i>98</i>	<i>Entity Identifier Code</i> <i>Code identifying an organizational entity, a physical location, property or an individual</i>	<i>O</i>	<i>1 ID 2/3</i>

Segment:	PO1 Baseline Item Data
Position:	0100
Loop:	PO1
Level:	Detail
Usage:	Mandatory
Max Use:	1
Purpose:	To specify basic and most frequently used line item data
Syntax Notes:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
PO101	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set <u>Purchase Order Line Number</u>	O 1 AN 1/20
PO102	380	Quantity Numeric value of quantity	X 1 R 1/15
PO103	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken CA Case EA Each	O 1 ID 2/2
PO104	212	Unit Price Price per unit of product, service, commodity, etc.	X 1 R 1/17
PO105	639	Basis of Unit Price Code Code identifying the type of unit price for an item LE Catalog Price per Each	O 1 ID 2/2
PO106	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) IN Buyer's Item Number	X 1 ID 2/2
PO107	234	Product/Service ID Identifying number for a product or service	X 1 AN 1/48
PO108	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) VN Vendor's (Seller's) Item Number	X 1 ID 2/2
PO109	234	Product/Service ID Identifying number for a product or service	X 1 AN 1/48

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)		
<i>PO111</i>	<i>234</i>	<i>Product/Service ID</i>	<i>X</i>	<i>1 AN 1/48</i>
		<i>Identifying number for a product or service</i>		
<i>PO112</i>	<i>235</i>	<i>Product/Service ID Qualifier</i>	<i>X</i>	<i>1 ID 2/2</i>
		<i>Code identifying the type/source of the descriptive number used in Product/Service ID (234)</i>		
<i>PO113</i>	<i>234</i>	<i>Product/Service ID</i>	<i>X</i>	<i>1 AN 1/48</i>
		<i>Identifying number for a product or service</i>		
<i>PO114</i>	<i>235</i>	<i>Product/Service ID Qualifier</i>	<i>X</i>	<i>1 ID 2/2</i>
		<i>Code identifying the type/source of the descriptive number used in Product/Service ID (234)</i>		
<i>PO115</i>	<i>234</i>	<i>Product/Service ID</i>	<i>X</i>	<i>1 AN 1/48</i>
		<i>Identifying number for a product or service</i>		
<i>PO116</i>	<i>235</i>	<i>Product/Service ID Qualifier</i>	<i>X</i>	<i>1 ID 2/2</i>
		<i>Code identifying the type/source of the descriptive number used in Product/Service ID (234)</i>		
<i>PO117</i>	<i>234</i>	<i>Product/Service ID</i>	<i>X</i>	<i>1 AN 1/48</i>
		<i>Identifying number for a product or service</i>		
<i>PO118</i>	<i>235</i>	<i>Product/Service ID Qualifier</i>	<i>X</i>	<i>1 ID 2/2</i>
		<i>Code identifying the type/source of the descriptive number used in Product/Service ID (234)</i>		
<i>PO119</i>	<i>234</i>	<i>Product/Service ID</i>	<i>X</i>	<i>1 AN 1/48</i>
		<i>Identifying number for a product or service</i>		
<i>PO120</i>	<i>235</i>	<i>Product/Service ID Qualifier</i>	<i>X</i>	<i>1 ID 2/2</i>
		<i>Code identifying the type/source of the descriptive number used in Product/Service ID (234)</i>		
<i>PO121</i>	<i>234</i>	<i>Product/Service ID</i>	<i>X</i>	<i>1 AN 1/48</i>
		<i>Identifying number for a product or service</i>		
<i>PO122</i>	<i>235</i>	<i>Product/Service ID Qualifier</i>	<i>X</i>	<i>1 ID 2/2</i>
		<i>Code identifying the type/source of the descriptive number used in Product/Service ID (234)</i>		
<i>PO123</i>	<i>234</i>	<i>Product/Service ID</i>	<i>X</i>	<i>1 AN 1/48</i>
		<i>Identifying number for a product or service</i>		
<i>PO124</i>	<i>235</i>	<i>Product/Service ID Qualifier</i>	<i>X</i>	<i>1 ID 2/2</i>
		<i>Code identifying the type/source of the descriptive number used in Product/Service ID (234)</i>		
<i>PO125</i>	<i>234</i>	<i>Product/Service ID</i>	<i>X</i>	<i>1 AN 1/48</i>
		<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:	<u>For multiple destination purchase orders, this segment will contain the actual shipping information for the quantities included. The destination will be given in the form of a Global Location Number (GLN). Suppliers are expected to match up the GLN with the address information found in the Organizational Relationships document (816).</u>

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element	Name	Attributes
M	SDQ01	355 Unit or Basis for Measurement Code	M 1 ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		CA Case	
		EA Each	
	SDQ02	66 Identification Code Qualifier	O 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	
M	SDQ03	67 Identification Code	M 1 AN 2/80
		Code identifying a party or other code	
M	SDQ04	380 Quantity	M 1 R 1/15
		Numeric value of quantity	
	SDQ05	67 Identification Code	X 1 AN 2/80
		Code identifying a party or other code	
	SDQ06	380 Quantity	X 1 R 1/15
		Numeric value of quantity	
	SDQ07	67 Identification Code	X 1 AN 2/80
		Code identifying a party or other code	
	SDQ08	380 Quantity	X 1 R 1/15
		Numeric value of quantity	

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

Segment: **N9** Extended Reference Information

Position: 3300

Loop: PO1-N9

Level: Detail

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.	Data	Attributes	
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N901	128	M 1 ID 2/3
		Reference Identification Qualifier Code qualifying the Reference Identification	
		L1 Letters or Notes	
	N902	127	X 1 AN 1/50
		Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
		<u>This will always contain the text: "Special Instructions".</u>	
	N903	369	X 1 AN 1/45
		Free-form Description Free-form descriptive text	
	N904	373	O 1 DT 8/8
		Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	
	N905	337	X 1 TM 4/8
		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)	
	N906	623	O 1 ID 2/2
		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	
	N907	C040	O 1
		Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	
	C04001	128	M ID 2/3
		Reference Identification Qualifier Code qualifying the Reference Identification	
	C04002	127	M AN 1/50
		Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
	C04003	128	X ID 2/3
		Reference Identification Qualifier Code qualifying the Reference Identification	
	C04004	127	X AN 1/50
		Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
	C04005	128	X ID 2/3
		Reference Identification Qualifier Code qualifying the Reference Identification	
	C04006	127	X AN 1/50
		Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

Segment: **MTX** Text
Position: 3400
Loop: PO1-N9
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify textual data
Syntax Notes:

- 1 If MTX01 is present, then MTX02 is required.
- 2 If MTX03 is present, then MTX02 is required.
- 3 If MTX05 is present, then MTX04 is required.

Semantic Notes:

- 1 MTX05 is the number of lines to advance before printing.

Comments:

- 1 If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
MTX01	363	Note Reference Code <i>Code identifying the functional area or purpose for which the note applies</i>	O 1 ID 3/3
MTX02	1551	Textual Data To transmit large volumes of message text	X 1 AN 1/4096
MTX03	1551	Textual Data <i>To transmit large volumes of message text</i>	O 1 AN 1/4096
MTX04	934	Printer Carriage Control Code <i>A field to be used for the control of the line feed of the receiving printer</i>	X 1 ID 2/2
MTX05	1470	Number <i>A generic number</i>	O 1 N0 1/9
MTX06	819	Language Code <i>Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)</i>	O 1 ID 2/3

Segment: **AMT** Monetary Amount Information
Position: 6000
Loop: PO1-AMT
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:
Notes: **This segment will contain the Total amount of the line item.**

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	AMT01	522	Amount Qualifier Code Code to qualify amount 1 Line Item Total	M 1 ID 1/3
M	AMT02	782	Monetary Amount Monetary amount	M 1 R 1/18
	AMT03	478	Credit/Debit Flag Code Code indicating whether amount is a credit or debit	O 1 ID 1/1

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.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	CTT01	354	Number of Line Items Total number of line items in the transaction set <u>This is a count of all the PO1 Segments in the document.</u>	M 1 N0 1/6
	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.	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: **AMT** Monetary Amount Information
Position: 0200
Loop: CTT
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:
Notes:

This segment will contain the total amount of the purchase order.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	AMT01	522	Amount Qualifier Code Code to qualify amount TT Total Transaction Amount	M 1 ID 1/3
M	AMT02	782	Monetary Amount Monetary amount	M 1 R 1/18
	AMT03	478	<i>Credit/Debit Flag Code</i> <i>Code indicating whether amount is a credit or debit</i>	O 1 ID 1/1

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

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:	<ol style="list-style-type: none"> 1 At least one of N102 or N103 is required. 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	<ol style="list-style-type: none"> 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party. 2 N105 and N106 further define the type of entity in N101.
Notes:	<p>There must be at least one occurrence of the N1 segment in the header area to identify the sender of the transaction in text or coded format. — 9</p> <p>This segment will always identify Wal-Mart Stores, Inc. as the sender of the document — 10</p>

		Data Element Summary			
1	Ref. Des.	Data Element	Name	Attributes	4.3
1	M	N101	98 Entity Identifier Code	M ID 2/3	4.1
2			Code identifying an organizational entity, a physical location, property or an individual		4.2
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		7
			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		

850 Purchase Order – Changes from Previous (4030) Version

<u>Segment/ Element</u>	<u>Position</u>	<u>Data Element</u>	<u>Change</u>	<u>Qualifier</u>
BEG01	H0200	353	Added code to handle revisions to purchase orders	02, 03, 04
N1	H3100	66/67	Removed “9” and “1” qualifiers (DUNS Qualifiers) from N103. Added “UL” (GLN) to N103. N104 changed from DUNS to GLN.	1, 9 removed UL added
SDQ	D1900	66	Removed “9”. Added “UL”	9 removed UL added
SDQ	D1900	67	Changed from DUNS to GLN.	

Change History

Date	Version	Description of Changes
September, 2004	Draft 0.1	Draft Version Published
December, 2004	Draft 0.2	Initial corrections
February, 2005	Version 1.0	Production Guide Published