SHOPKO
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EDI GUIDELINES

PURCHASE ORDER 850

FUNCTIONAL ACKNOWLEGEMENT 997

VERSION 4010

Rev. 11/2/2007

SHOPKO 850 GUIDELINES

GLOSSARY OF TERMS

Segment: Consists of a segment identifier, one or more data element each preceded by an element separator, and ending with a terminator (X12.6).

Seg. Use: **Denotes if the segment is mandatory or optional for Shopko.**

Reference Des.: Identifies the segment and the data element sequence number.

Data Element Number: This is the number assigned to the data element. This number may be used for direct reference into the ANSI X12 Data Dictionary.

Data Element Name: This is the description assigned to the data element.

Element Usage: **M - Mandatory** Shopko requires this element.
 O - Optional This element can be used.
 C - Conditional The data element can be used only if other elements are used within the segment.

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Envelope and Group

Segment	Segment Name	Seg. Use	Max Use	Loop Repeat
ISA	Interchange Control Header	M	1	
GS	Functional Group Header	M	1	

Header

Segment	Segment Name	Seg. Use	Max Use	Loop Repeat
ST	Transaction Set Header	M	1	
BEG	Beginning Segment (Purchase Order)	M	1	
REF	Reference Numbers	O	>1	
ITD	Terms of Sale/Deferred Terms of Sale	M	5	
DTM	Date/Time Reference	M	10	
	Loop ID –N9			1000
N9	Reference Identification	O	1	
MSG	Message Text	O	1000	
	Loop ID –N1			200
N1	Name	O	1	

Detail

Segment	Segment Name	Seg. Use	Max Use	Loop Repeat
	Loop ID – PO1			100000
PO1	Purchase Order Base Line Item Data	M	1	
PO4	Item Physical Details	M	>1	
SDQ	Destination Quantity	O	500	

Summary

Segment	Segment Name	Seg. Use	Max Use	Loop Repeat
CTT	Transaction Totals	M	1	
SE	Transaction Set Trailer	M	1	

Envelope and Group

Segment	Segment Name	Seg. Use	Max Use	Loop Repeat
GE	Functional Group Trailer	M	1	
IEA	Interchange Control Trailer	M	1	

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Segment: **ISA - Interchange Control Header**
Level: **Envelope**
Shopko Usage: **Mandatory**
Purpose: To start and identify a transmission for a partner.

Ref. Des.	Data Element	Name	Element Usage
ISA01	101	**Authorization Information Qualifier** **00** No authorization information present.	M
ISA02	102	**Authorization Information** This field will be blank.	M
ISA03	103	**Security Information Qualifier** **00** No security information present.	M
ISA04	104	**Security Information** This field will be blank.	M
ISA05	105	**Interchange ID Qualifier** **08** UCC EDI Communications ID (Comm ID)	M
ISA06	106	**Interchange Sender ID** **6136010000T – test ID** **6136010000 – production ID**	M
ISA07	105	**Interchange ID Qualifier** Shopko supports all valid codes.	M
ISA08	107	**Interchange Receiver ID** The value in this field depends upon the code used in the ISA07.	M
ISA09	108	**Date** The format is **YYMMDD.**	M

SHOPKO 850 GUIDELINES

Segment: **ISA - Interchange Control Header (Continued)**
Level: **Envelope**
Shopko Usage: **Mandatory**
Purpose: To start and identify a transmission for a partner.

Ref. Des.	Data Element	Name	Element Usage
ISA10	**109**	**Time** The time that the interchange was created in Shopko's system. The format is **HHMM (24 Hr.)**	**M**
ISA11	**110**	**Interchange Standards Identifier** **U** U.S. EDI community of X12	**M**
ISA12	**111**	**Interchange Version ID** **00401** Version 4010	**M**
ISA13	**112**	**Interchange Control Number** This value is sequentially assigned by Shopko starting with the number "1" for each trading partner. The value entered in this field will match the value in the Interchange Control Number field on the Interchange Control Trailer (IEA02).	**M**
ISA14	**113**	**Acknowledgment Requested** **0** No acknowledgment requested.	**M**
ISA15	**114**	**Test Indicator** **T** Test Data **P** Production Data	**M**
ISA16	**115**	**Subelement Separator** › The value identified for retail use.	**M**

SHOPKO 850 GUIDELINES

Segment:	**GS - Functional Group Header**		
Level:	**Group**		
Shopko Usage:	**Mandatory**		
Purpose:	Indicates the beginning of a functional group and provides control information.		

Ref. Des.	Data Element	Name	Element Usage
GS01	**479**	**Functional ID** **PO** Purchase Order (850)	**M**
GS02	**142**	**Application Sender's Code** This is the same code as used in the (ISA06).	**M**
GS03	**124**	**Application Receiver's Code** For Shopko's trading partner, the number is usually the same code used in the (ISA08).	**M**
GS04	**373**	**Data Interchange Date** The format is **CCYYMMDD**.	**M**
GS05	**337**	**Data Interchange Time** The time that the interchange was created in Shopko's system. The format is **HHMM (24 Hr.)**	**M**
GS06	**28**	**Data Interchange Control Number** This value is sequentially assigned by Shopko starting with the number "1" for each trading partner. The value entered in this field will match the one in the Functional Group Trailer (GE02).	**M**
GS07	**455**	**Responsible Agency Code** **X** Accredited standards committee X12.	**M**
GS08	**480**	**Version** **004010**	**M**

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Segment: **ST - Transaction Set Header**
Level: **Header**
Shopko Usage: **Mandatory**
Purpose: To indicate the start of a transaction set and to assign a control number.

Ref. Des.	Data Element	Name	Element Usage
ST01	**143**	**Transaction Set Identifier Code** This is the code that identifies the transaction as a purchase order.	**M**
ST02	**329**	**Transaction Set Control Number** This value is sequentially assigned by Shopko starting with the number "1" for each trading partner. The value entered in this field will match the one in the Transaction Set Trailer Record (SE02).	**M**

SHOPKO 850 GUIDELINES

Segment:		**BEG - Beginning Segment for Purchase Order**	
Level:		**Header**	
Shopko Usage:		**Mandatory**	
Purpose:		To indicate the beginning of the purchase order transaction set.	

Ref. Des.	Data Element	Name	Element Usage
BEG01	**353**	**Transaction Set Purpose Code** **00** Original order	**M**
BEG02	**92**	**Purchase Order Type Code** **SA** Stand-alone Order	**M**
BEG03	**324**	**Purchase Order Number** This field contains Shopko's P.O. number.	**M**
BEG05	**373**	**Purchase Order Date** The format is **CCYYMMDD.**	**M**

SHOPKO SEGMENT USAGE COMMENTS

- Shopko's purchase order number is a 9-digit number or a 9-digit number with one alpha character. The alpha character represents a distribution center. **Example: 222222222 or 222222222A**
- Each character of the purchase order number is valid even if it is a zero.

SHOPKO 850 GUIDELINES

Segment: **REF - Reference Numbers**
Level: **Header**
Shopko Usage: **Optional**
Purpose: To transmit Shopko's merchandise vendor number.

Ref. Des.	Data Element	Name	Element Usage
REF01	**128**	**Reference Number Qualifier** **IA** Internal Vendor Number	**O**
REF02	**127**	**Reference Number** This is Shopko's 10-digit merchandise vendor number for the trading partner.	**O**

SHOPKO SEGMENT USAGE COMMENTS

- The data within the REF segment can be transmitted upon request from the trading partner.

SHOPKO 850 GUIDELINES

Segment: **ITD - Terms of Sale**
Level: **Header**
Shopko Usage: **Mandatory**
Purpose: To identify the terms of sale. Terms will be sent on all transmissions.

Ref. Des.	Data Element	Name	Element Usage
ITD01	**336**	**Terms Type Code** **01** Basic **02** End of Month (EOM) **03** Fixed Date	**O**
ITD02	**333**	**Terms Basis Date Code** **3** Invoice Date	**O**
ITD03	**338**	**Terms Discount Percent** The discount percent available to Shopko if an invoice is paid on or before the terms discount due date.	**O**
ITD04	**370**	**Terms Discount Due Date** The date the payment is due if the discount is to be earned. Format **is CCYYMMDD**.	**C**
ITD05	**351**	**Terms Discount Days Due** Number of days in discount period by which payment is due if discount is earned.	**C**
ITD06	**446**	**Terms Net Due Date** Date when total invoice amount becomes due. Format is **CCYYMMDD**	**O**
ITD07	**386**	**Terms Net Days** Number of days until total invoice amount is due.	**O**
ITD08	**362**	**Terms Discount Amount** Total amount of terms discount	**O**
ITD13	**765**	**Day of the Month** Numeric value of the day of the month.	**C**

SHOPKO 850 GUIDELINES

Segment: **DTM - Date/Time References**
Level: **Header**
Shopko Usage: **Mandatory**
Purpose: To specify ship dates.

Ref. Des.	Data Element	Name	Element Usage
DTM01	**374**	**Date/Time Qualifier**	**M**
		037 **Ship Not Before**	
		This is the earliest date that shipping may occur.	
		001 **Cancel After**	
		This is the last date shipping may occur.	
DTM02	**373**	**Date**	**M**
		Format is **CCYYMMDD**	

SHOPKO 850 GUIDELINES

Segment: **N9 – Reference Identification**
Level: **Header**
Loop: **N9**
Shopko Usage: **Optional**
Purpose: To identify the information sent in the MSG segment.

Ref. Des.	Data Element	Name	Element Usage
N901	**128**	**Reference Identification Qualifier** **AH** Agreement Number	**O**
N902	**127**	**Reference Identification** 850 purchase order comments	**C**

SHOPKO SEGMENT USAGE COMMENTS

- Shopko may send this segment upon request of the trading partner.

SHOPKO 850 GUIDELINES

Segment: **MSG – Message Text**
Level: **Header**
Loop: **N9**
Shopko Usage: **Optional**
Purpose: To convey free-form purchase order text.

Ref. Des.	Data Element	Name	Element Usage
MSG01	**933**	**Free-Form Message Text** Free-form message .text	**M**

SHOPKO SEGMENT USAGE COMMENTS

- The free-form text is not edited for accuracy by the EDI system.
- Comments may provide shipping instructions or ad date information.
- The Shopko Buyer or the Shopko Replenishment teammate must approve this option before it is used.

SHOPKO 850 GUIDELINES

Segment:	**N1 - Name**
Level:	**Header**
Shopko Usage:	**Optional**
Purpose:	To identify the ship and bill to locations for the purchase order.

Ref. Des.	Data Element	Name	Element Usage
N101	**98**	**Entity Identifier Code** **BS** Bill and Ship To **ST** Ship To	**M**
N103	**66**	**Identification Code Qualifier** **9** DUNS with 4-character suffix **92** Assigned by Shopko	**C**
N104	**67**	**Identification Code** The (4-digit) number transmitted will indicate either a store or distribution center location.	**C**

SHOPKO SEGMENT USAGE COMMENTS

- There are three possibilities in the use or non-use of the N1 segment for Shopko orders:
    1. The N1 is sent when an individual order is placed for a specific distribution center. There is one ship and bill to location. The "BS" code will be used in the N101 element. This would be an example of the Shopko's 'Plan Type 4'.
    2. The N1 is sent in conjunction with the SDQ when the N1 indicates the ship to location and the SDQ indicates the bill to locations. The "ST" code will be used in the N101 element. This is Shopko's cross-dock order type where goods are shipped to the distribution center and the cartons are marked and billed to each store. This would be an example of Shopko's 'Plan Type 2'.
    3. The N1 is not sent when there are multiple ship and bill to locations for the order or a single location requesting a direct-to-store shipment. In this case, the ship and bill to is contained in the SDQ. This is Shopko's spreadsheet or direct-to-store order type. This would be an example of Shopko's 'Plan Type 1'.
- It is assumed that for a location identified in this segment, the trading partner has the address. No address information will be sent in the transmission.

SHOPKO 850 GUIDELINES

Segment:	**PO1 - Purchase Order Baseline Item Data**
Level:	**Detail**
Shopko Usage:	**Mandatory**
Purpose:	To specify purchase order line item data.

Ref. Des.	Data Element	Name	Element Usage
PO101	**350**	**Purchase Order Line Item Number** Identifies a specific line on a Shopko order.	**O**
PO102	**330**	**Quantity Ordered**	**M**
PO103	**355**	**Unit of Measurement Code** **EA Each** **CA Case**	**M**
PO104	**212**	**Unit Price** Cost will be sent for each item ordered.	**C**
PO106	**235**	**Product/Service ID Qualifier** **CB** Buyer's Catalog Number **UP** UPC-A (1-5-5-1) **VA** Vendor's Style Number (Optional)	**C**
PO107	**234**	**Product ID** Identifying number for a product. **CB** (8 digit) number. **UP** (12 digit) number. **VA** varies according to trading partner's format	**C**
PO108 **thru** **PO111**	**(235)** **(234)**	**Product ID Qualifier** **Product ID**	**O** **C**

SHOPKO SEGMENT USAGE COMMENTS

- Both the "CB" and "UP" qualifiers will be sent on all orders.
- If more than one Product ID Qualifier is used, they will be sent in the following order: CB, VA, UP.

SHOPKO 850 GUIDELINES

Segment: **PO4 - Item Physical Details**
Level: **Detail**
Shopko Usage: **Mandatory**
Purpose: To specify the physical qualities and packaging relating to an item.

Ref. Des.	Data Element	Name	Element Usage
PO401	**356**	**Pack** The number of inner containers, or number of eaches if there are no inner containers, per outer container.	**O**
PO414	**810**	**Inner Pack** The number of eaches per inner container.	**O**

SHOPKO SEGMENT USAGE COMMENTS

- The **PO401** element will be sent alone when there are no smaller containers within the case.
- The **PO401** and the **PO414** will be sent when the **PO414** (Inner Pack), represents the number of eaches in each inner container when the **PO401** is the number of smaller containers within the case.
- The unit of measure is assumed to be 'Each' in all situations.

SHOPKO 850 GUIDELINES

Segment: **SDQ - Destination Quantity**
Level: **Detail**
Shopko Usage: **Optional**
Purpose: To specify multiple locations and quantity detail.

Ref. Des.	Data Element	Name	Element Usage
SDQ01	**355**	**Unit of Measurement Code** **EA** Each	**M**
SDQ02	**66**	**Identification Code Qualifier** **92** Assigned by Shopko	**M**
SDQ03	**67**	**Identification Code** The number transmitted will indicate either a store or distribution center location.	**M**
SDQ04	**380**	**Quantity** This the quantity associated with the specific location identified in the preceding (SDQ03).	**M**

SHOPKO SEGMENT USAGE COMMENTS

- The SDQ has two possible uses within a Shopko EDI order.
    1. This segment is used to distribute a line item quantity to various Shopko locations. This is Shopko's direct to store or spreadsheet order type. The ship and bill to locations are contained in the SDQ.
    2. The SDQ is sent in conjunction with the N1 when the N1 indicates the ship to location and the SDQ indicates the bill to locations. The "ST" code will be used in the N101 element. This is Shopko's cross-dock order type where goods are shipped to the distribution center and the cartons are marked and billed to each store.
- The sum of all quantities in the SDQ segments for a line item must equal the quantity ordered in the PO102.
- It is assumed that for a location identified in this segment, the trading partner has the address. No address information will be sent in the transmission.
- Data elements 67 and 380 can be repeated as necessary.

SHOPKO 850 GUIDELINES

Segment:	**CTT - Transaction Totals**	
Level:	**Summary**	
Shopko Usage:	**Mandatory**	
Purpose:	To provide total line items to validate transaction completeness and correctness.	

Ref. Des.	Data Element	Name	Element Usage
CTT01	**354**	**Number of Line Items** Total number of line items (PO1 segments) present in the transaction set.	**M**

SHOPKO 850 GUIDELINES

Segment: **SE - Transaction Set Trailer**
Level: **Summary**
Shopko Usage: **Mandatory**
Purpose: To indicate the end of the transaction set and to provide the count of the segments transmitted within the transaction set.

Ref. Des.	Data Element	Name	Element Usage
SE01	**96**	**Number of Included Segments** The total number of segments included in a transaction set including the ST and SE segments.	**M**
SE02	**329**	**Transaction Set Control Number** The identifying transaction set control number. This must be the same number as in the ST02.	**M**

SHOPKO 850 GUIDELINES

Segment:	GE - Functional Control Trailer
Level:	Group
Shopko Usage:	Mandatory
Purpose:	Indicates the end of a functional group and provides control information.

Ref. Des.	Data Element	Name	Element Usage
GE01	97	**Number of Included Transaction Sets** This field represents the number of transaction sets (ST/SE) included in the functional group (GS/GE).	M
GE02	28	**Data Interchange Control Number** This must be the same number that was entered in the (GS06) field for the group.	M

SHOPKO 850 GUIDELINES

Segment: **IEA - Interchange Control Trailer**
Level: **Envelope**
Shopko Usage: **Mandatory**
Purpose: To define the end of an interchange for a partner and to provide control information.

Ref. Des.	Data Element	Name	Element Usage
IEA01	**116**	**Number of Included Groups** This field represents the number of GS segments within the transmission.	**M**
IEA02	**112**	**Interchange Control Number** The number in this field must match the one in the ISA segment (ISA13).	**M**

SHOPKO 850 GUIDELINES

FUNCTIONAL ACKNOWLEDGMENT TRANSACTION SET (997)

Envelope and Group

Segment	Segment Name	Seg. Use	Max Use	Loop Repeat
ISA	Interchange Control Header	M	1	
GS	Functional Group Header	M	1	

Header

Segment	Segment Name	Seg. Use	Max Use	Loop Repeat
ST	Transaction Set Header	M	1	
AK1	Functional Group Response Header	M	1	
AK9	Functional Group Response Trailer	M	1	
SE	Transaction Set Trailer	M	1	

Envelope and Group

Segment	Segment Name	Seg. Use	Max Use	Loop Repeat
GE	Functional Group Trailer	M	1	
IEA	Interchange Control Trailer	M	1	

SHOPKO TRANSACTION USAGE COMMENTS

- Shopko requires a functional acknowledgment from all trading partners within two business days from the date Shopko transmits the data. Shopko verifies the receipt of all out-bound transactions.   For in-bound transactions, Shopko sends a 997 upon receipt; and expects the trading partner to verify the receipt within a week of transmission.
- Shopko considers acknowledgment complete when the trading partner sends the AK1 and AK9 segments.

SHOPKO 850 GUIDELINES

FUNCTIONAL ACKNOWLEDGMENT

Segment: **ST - Transaction Set Header**
Level: **Header**
Shopko Usage: **Mandatory**
Purpose: To indicate the start of a transaction set and to assign a control number.

Ref. Des.	Data Element	Name	Element Usage
ST01	**143**	**Transaction Set Identifier Code**	**M**
		997 This is the code that identifies the transaction as a functional acknowledgment.	
ST02	**329**	**Transaction Set Control Number**	**M**
		This value is sequentially assigned by Shopko starting with the number "1" for each trading partner. The value entered in this field will match the one in the Transaction Set Trailer Record (SE02).	

SHOPKO 850 GUIDELINES

FUNCTIONAL ACKNOWLEDGMENT

Segment:	**AK1 - Functional Group Response Header**
Level:	**Header**
Shopko Usage:	**Mandatory**
Purpose:	To start an acknowledgment of a functional group.

Ref Des.	Data Element	Name	Element Usage
AK101	**479**	**Functional Identifier Code** This is the functional group ID for the group that is being acknowledged. **PO** Purchase Order (850)	**M**
AK102	**28**	**Group Control Number** This is the control number assigned by Shopko in the original transmission in the GS06.	**M**

SHOPKO SEGMENT USAGE COMMENTS

- The function group code depends upon the group ID that was sent on the transaction from Shopko.
- For example, if a purchase order were being acknowledged, the value would be "PO" which was sent in the GS01 for the original transmission.

SHOPKO 850 GUIDELINES

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FUNCTIONAL ACKNOWLEDGMENT

Segment: **AK9 - Functional Group Response Trailer**
Level: **Header**
Shopko Usage: **Mandatory**
Purpose: To acknowledge the acceptance or rejection of a functional group and to report the number of included transaction sets from the original trailer, the accepted sets, and the received sets in this functional group.

Ref. Des.	Data Element	Name	Element Usage
AK901	715	**Functional Group Acknowledge Code** **A** Accepted **E** Accepted but errors were noted. **P** Partially accepted. At least one transaction set was rejected. **R** Rejected	M
AK902	97	**Number of Transaction Sets Included** This field will contain the count of the total number of transaction sets included.	M
AK903	123	**Number of Received Transaction Sets** This field will contain the count of the total number of transaction sets received.	M
AK904	2	**Number of Accepted Transaction Sets** This field will contain the total number of transaction sets that were accepted.	M

SHOPKO 850 GUIDELINES

FUNCTIONAL ACKNOWLEDGMENT

Segment: **SE - Transaction Set Trailer**
Level: **Header**
Shopko Usage: **Mandatory**
Purpose: To indicate the end of the transaction set and to provide the count of the segments transmitted within the transaction set.

Ref. Des.	Data Element	Name	VICS Element Usage
SE01	**96**	**Number of Included Segments** The total number of segments included in a transaction set including the ST and SE segments.	**M**
SE02	**329**	**Transaction Set Control Number** The identifying transaction set control number. This must be the same number as in the ST02.	**M**