



Electronic Data Interchange
850 - Purchase Order
4030VICS
Implementation Guide

Introduction

This document provides our trading partners with detailed specifications for implementing electronic purchase order with Dick's Sporting Goods.

Dick's Sporting Goods conventions comply with those standards defined under the Voluntary Inter-Industry Communications Standard (VICS) which are published by the Uniform Code Council (UCC).

Element Usage:

- *M (Mandatory)*: Segment/element must be sent to all trading partners.
- *O (Optional)*: Segment/element may be sent to trading partners.

Element Type:

- *ID (Identifier)*: An identifier data element contains a unique value from a single, predefined list of values that is maintained by ASC X12.
- *AN (String)*: A string data element is a sequence of any printable characters and contains at least one non-space character. The significant characters shall be left justified. Leading spaces, when they occur, are presumed to be significant characters. In the actual data stream, trailing spaces should be suppressed.
- *DT (Date)*: A date data element is used to express the standard date.
- *TM (Time)*: The time data element is used to express the time.
- *Nn (Numeric)*: The value of a numeric data element includes an implied decimal point. It is used when the position of the decimal point within the data element is permanently fixed and is not being transmitted with the data. The representation for this data element type is Nn where "N" indicates that it is numeric and "n" indicates the number of decimal positions to the right of the implied decimal point. (N is equivalent to N0). 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 zeroes should be suppressed unless necessary to satisfy a minimum length requirement. The length of a numeric type data element does not include the optional minus sign.
- *R (Decimal)*: A decimal data element contains an explicit decimal point and is used for numeric values that have a varying number of decimal positions. The decimal point always appears in the character stream if the decimal point is at any place other than the right end. If the value is an integer (decimal point is at the right end) the decimal point should be omitted. 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 zeroes should be suppressed unless necessary to satisfy a minimum length requirement. The use of triad separators (for example, the commas in 1,000,000) is expressly prohibited. The length of a numeric type data element does not include the optional minus sign or decimal point.

Purchase Order Specifics

You may reference our current store and DC listing under the heading of “Store Breakdown by DC” on our website @ www.dsgfreight.com. This information should be referenced in your system. The EDI transmission will only contain the number associated with Dick’s store and/or distribution center.

Also included in this packet, you will find a section detailing certain data limitations due to our current merchandising system limitations. If any of these limitations will cause any difficulties with our upcoming implementation plan, please notify our EDI Manager at your earliest convenience so that we may begin to address the issues.

Differences between 4010 and 4030

For partners who currently trade version 4010 of the purchase order who will be upgrading to 4030, the following changes have taken place.

Segment/Element	Description of Change
ISA11	Element has been modified to ^ per the 4030 standard
ISA12	Element has been modified to 00403 per the 4030 standard
GS08	Element has been modified to 004030VICS per the 4030 standard
CUR	Segment has been added to allow for currency
CSH	Segment has been eliminated
REF	Additional occurrence has been added to allow for department number and name
REF02	Leading zeroes will no longer be sent for vendor number
N104	Leading zero will only be sent if the dc/store number is less than 2 digits
MSG	Segment has been replaced with MTX per the 4030 standard
PO110 – PO117	Elements have been added to include Dick’s style number, item (SKU) number, color, and size
PID	Segment has been added to allow for product description
SDQ03, SDQ05, SDQ07, SDQ09, SDQ11, SDQ13, SDQ15, SDQ17, SDQ19, SDQ21	Leading zero will only be sent if the dc/store number is less than 2 digits

Testing Procedures for Partners Upgrading from 4010 to 4030

Once your 4030 map has been completed, notify the EDI department and the following steps will occur:

1. Dick’s EDI team will set vendor up to receive duplicate copies of all purchase orders. Vendor will receive version 4010 with ISA15 = P for production and vendor will receive version 4030 with ISA15 = T for test.
2. The production copy should be sent to vendor’s production system (as it does today), while the test copy should be reviewed internally by the vendor.
3. Once vendor is comfortable with the test copy, the EDI team will stop sending the version 4010 transaction and will modify the ISA15 to a P for version 4030.
4. Fax a copy of your new UCC – 128 label (with dept information added) to Max Kalvesmaki at 724-227-1924.

- * Dick's will not be upgrading the ASN or Invoice at this time. These documents will remain on version 4010.
- * Dick's expects a 997 acknowledgement to be sent back within 24 hours for both versions.

Testing Procedures for New Partners

Once your map has been completed and you are ready for a test, call the EDI department to be placed into parallel mode. Parallel mode means that for every order that a buyer places, both a paper copy and an EDI copy will be generated. The paper copy will continue to go to whomever at your location has received the hard copies in the past. The EDI copy will be sent to the EDI id that is specified by you. Once you are comfortable with the EDI transmissions, you may call the EDI department to be placed into production mode. Once production mode has been achieved, only EDI (no paper) will be sent going forward.

***Dick's will not create special test purchase orders. All testing is done using live orders. If a test order is required prior to running parallel, feel free to use the examples in the appendix found within the document.**

***Dick's expects a 997 acknowledgement to be sent back within 24 hour for all purchase orders.**

Purchase Order Types

Parent/Child: Parent orders are reserve bulk (parent) orders that are sent in advance of release (child) orders. The child orders allocate product into smaller orders based on the workable lead times provided to us. The sum of all child orders will be equal to the sum of the previously sent parent quantity. The following table illustrates the EDI changes.

Segment/Element	Description of Change
BEG02	BK is sent for parent orders and RL is sent for child orders
N104	951 is sent to designate virtual DC on parent orders

Split By DC: This type of order is an order written for each of Dick's distribution centers with no store allocation attached. The SDQ segment will only contain the distribution center number.

Pack By Store: This type of order is an order written for each of Dick's distribution centers with a store allocation attached. The SDQ segments will contain all stores to be shipped to the given distribution center.

For Partners Trading Other EDI Documents with Dick's

Advance Shipping Notice: In past Advance Store Replenishment (ASR or E3) implementations, Dick's has placed one order for each store. Under this system, the vendor should generate multiple order loops (each order loop represents a unique po along with the order's store number) under one shipment. Now that Dick's has the ability to send multiple stores on one order (through the use of SDQ segments), this logic will not change. The vendor should still generate multiple order loops. The only difference is that now each po loop will have the same po number with a unique store number under one shipment.

Invoice: In past Advance Store Replenishment (ASR or E3) implementations, Dick's has placed one order for each store. Under this system, the vendor should generate one invoice for each store. Now that Dick's has the

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ability to send multiple stores on one order (through the use of SDQ segments), this logic will not change. The vendor should still generate one invoice per store. The only difference is that now each invoice will have the same po number with a unique store number.

Communication

Dick's Sporting Goods subscribes to the GXS Value Added Network and sends/receives according to the following schedule:

Type	Days	Frequency
Receive	Monday – Friday	Every hour on the hour and on the half hour from 1:00 – 4:30, and every hour on the hour and on the half hour from 6:00 – 22:30
Receive	Saturday – Sunday	1:00, 4:00, 7:00, 10:00, 13:00, 16:00, 19:00, 22:00
Send	Monday – Friday	Every hour on the quarter and three quarter hour from 1:15 – 4:45, and every hour on the quarter and three quarter hour from 6:15 – 22:45
Send	Saturday – Sunday	00:45, 3:45, 6:45, 9:45, 12:45, 15:45, 18:45, 21:45

Dick's Sporting Goods expects an acknowledgement for all documents to be sent w/in 24 hours.

Contacts

All technical EDI questions should be directed to:

Dick's Sporting Goods, Inc.
300 Industry Drive – RIDC Park West
Pittsburgh, PA 15275

EDI Help Desk
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Header

<u>PAGE #</u>	<u>SEG. ID</u>	<u>NAME</u>	<u>REQ. DES.</u>	<u>MAX USE</u>	<u>LOOP REPEAT</u>
8	ISA	Interchange Control Header	M	1	
10	GS	Functional Group Header	M	1	
11	ST	Transaction Set Header	M	1	
12	BEG	Beginning Segment for Purchase Order	M	1	
13	CUR	Currency	M	1	
14	REF	Reference Numbers	M	2	
15	PER	Administrative Communications Contact	M	1	
16	ITD	Terms of Sale/Deferred Terms of Sale	M	1	
17	DTM	Date/Time Reference	M	2	
LOOP ID – N9					1
18	N9	Reference Identification	O	1	
19	MTX	Text	O	1	
LOOP ID – N1					1
20	N1	Name	M	1	

Detail

<u>PAGE #</u>	<u>SEG. ID</u>	<u>NAME</u>	<u>REQ. DES.</u>	<u>MAX USE</u>	<u>LOOP REPEAT</u>
LOOP ID – PO1					100000
21	PO1	Baseline Item Data	M	1	
24	CTP	Pricing Information	O	>1	
LOOP ID – PO1/PID					1000
25	PID	Product/Item Description	M	1	
26	PO4	Item Physical Details	O	1	
28	SDQ	Destination Quantity	M	500	
LOOP ID – PO1/SLN					1000
31	SLN	Subline Item Detail	O	1	
33	CTP	Pricing Information	O	1	

Summary

<u>PAGE #</u>	<u>SEG. ID</u>	<u>NAME</u>	<u>REQ. DES.</u>	<u>MAX USE</u>	<u>LOOP REPEAT</u>
34	CTT	Transaction Totals	M	1	
35	SE	Transaction Set Trailer	M	1	
36	GE	Functional Group Trailer	M	1	
37	IEA	Interchange Control Trailer	M	1	

Appendices

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38	System and Data Limitations
39	EDI Examples
44	Change Log

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Segment: ISA Interchange Control Header

Purpose: To start and identify an interchange of one or more functional groups and interchange-related control segments

Data Element Summary

<u>REF. DES</u>	<u>DATA ELEMENT</u>	<u>NAME</u>	<u>ATTRIBUTES</u>
ISA01	I01	Authorization Information Qualifier Code to identify the type of information in the Authorization Information 00 No Authorization Information Present	M ID 2/2
ISA02	I02	Authorization Information Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of identifying is set by the Authorization Information Qualifier (I01) Blank	M AN 10/10
ISA03	I03	Security Information Qualifier Code to identify the type of information in the Security Information 00 No Security Information Present	M ID 2/2
ISA04	I04	Security Information This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03) Blank	M AN 10/10
ISA05	I05	Interchange ID Qualifier Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified 01 Duns (Dun & Bradstreet)	M ID 2/2
ISA06	I06	Interchange Sender ID Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element 157322272	M AN 15/15
ISA07	I07	Interchange ID Qualifier Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified 01 Duns (Dun & Bradstreet) 08 UCC EDI Communications ID (Comm ID) 12 Phone (Telephone Companies) 14 Duns Plus Suffix	M ID 2/2
ISA08	I08	Interchange Receiver ID Identification code published for the receiver Receiver's ID	M AN 15/15

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ISA09	I09	Interchange Date Date of the Interchange	M	DT	6/6
		YYMMDD			
ISA10	I10	Interchange Time Time of the Interchange	M	TM	4/4
		HHMM			
ISA11	I65	Repetition Separator Type is not applicable; the repetition separator is a delimiter and not a data element; this field provides the delimiter used to separate repeated occurrences of a simple data element or a composite data structure; this value must be different than the data element separator, component element separator, and the segment terminator.	M		1/1
		^ The value identified for retail use			
ISA12	I12	Interchange Control Version Number This version number covers the interchange control segments	M	ID	5/5
		00403 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1999, Version 4, Release 3			
ISA13	I13	Interchange Control Number A control number assigned by the interchange sender	M	N0	9/9
		ISA Control Number			
ISA14	I14	Acknowledgment Requested Code sent by the sender to request an interchange acknowledgment (TA1)	M	ID	1/1
		0 No Acknowledgment Requested			
ISA015	I15	Test Indicator Code to indicate whether data enclosed by this interchange envelope is test or production	M	ID	1/1
		P Production Data T Test Data			
ISA16	I16	Component Element Separator Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different that the data element separator and the segment terminator	M		1/1
		> Retail Industry			

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Segment: GS Functional Group Header

Purpose: To indicate the beginning of a functional group and to provide control information

Data Element Summary

<u>REF. DES</u>	<u>DATA ELEMENT</u>	<u>NAME</u>	<u>ATTRIBUTES</u>		
GS01	479	Functional Identifier Code Code identifying a group of application related transaction sets PO Purchase Order (850)	M	ID	2/2
GS02	142	Application Sender's Code Code identifying party sending transmission 157322272	M	AN	2/15
GS03	124	Application Receiver's Code Code identifying party receiving transmission Receiver's ID	M	AN	2/15
GS04	373	Date Date of the functional group CCYYMMDD	M	DT	8/8
GS05	337	Time Time of the functional group HHMM	M	TM	4/8
GS06	28	Group Control Number Assigned number identifyin and maintained by the sender GS Control Number	M	N0	1/9
GS07	455	Responsible Agency Code Code used in conjunction with Data Element 480 to identify the issuer of the standard X Accredited Standards Committee X12	M	ID	1/2
GS08	480	Version / Release / Industry Identifier Code Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used 004030VICS Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997, Version 4, Release 1, the VICS EDI subset	M	AN	1/12

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Segment: ST Transaction Set Header
Level: Header
Loop: -----
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number

Data Element Summary

<u>REF. DES</u>	<u>DATA ELEMENT</u>	<u>NAME</u>	<u>ATTRIBUTES</u>		
ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 850 Purchase Order	M	ID	3/3
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	AN	4/9

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Segment: **BEG Beginning Segment for Purchase Order**

Level: Header

Loop: -----

Usage: Mandatory

Max Use: 1

Purpose: To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates

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

Notes: **If BEG02 contains code RL, then BEG04 is required. BEG03 contains the parent (blanket) purchase order number which is being released against and BEG04 contains the child (release) number.**

Data Element Summary

<u>REF. DES</u>	<u>DATA ELEMENT</u>	<u>NAME</u>	<u>ATTRIBUTES</u>		
BEG01	353	Transaction Set Purpose Code Code identifying purpose of transaction set	M	ID	2/2
		00 Original			
BEG02	92	Purchase Order Type Code Code specifying the type of Purchase Order	M	ID	2/2
		BK Blanket Order (Parent Order) RE Reorder (Replenishment) RL Release (Child Order) SA Stand-alone Order			
		<i>RE orders are generated out of Dick's ASR (E3) store replenishment system. SA orders are created by Dick's buyers and are generally seasonal bulk orders or new store orders. BK & RL are used only if a vendor has been approved for parent/child orders</i>			
BEG03	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser	M	AN	1/22
		Dick's original purchase order number			
BEG04	328	Release Number Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	O	AN	1/30
		Dick's release against the purchase order			
BEG05	373	Date Date expressed as CCYYMMDD	M	DT	8/8
		Dick's original purchase order date			

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Segment: CUR Currency
Level: Header
Loop: -----
Usage: Mandatory
Max Use: 1
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction

Data Element Summary

<u>REF. DES</u>	<u>DATA ELEMENT</u>	<u>NAME</u>	<u>ATTRIBUTES</u>		
CUR01	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual BY Buying Party (Purchaser)	M	ID	2/3
CUR02	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified USD US Dollars	M	ID	3/3

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Segment: REF Reference Identification
Level: Header
Loop: -----
Usage: Mandatory
Max Use: 2
Purpose: To specify identifying information
Syntax: 1. At least one of REF02 or REF03 is required.

Data Element Summary

<u>REF. DES</u>	<u>DATA ELEMENT</u>	<u>NAME</u>	<u>ATTRIBUTES</u>		
REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification	M	ID	2/3
		DP Department Number IA Internal Vendor Number			
REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M	AN	1/30
		Reference Number <i>The DP reference number must be returned on the UCC-128 label. The IA reference number must be returned to Dick's in both the 810 and the 856 documents.</i>			
REF03	352	Description A free-form description to clarify the related data elements and their content	O	AN	1/80
		<i>The department description must be returned on the UCC-128 label.</i>			

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Segment: PER Administrative Communications Contact

Level: Header

Loop: -----

Usage: Mandatory

Max Use: 1

Purpose: To identify a person or office to whom administrative communications should be directed

Data Element Summary

<u>REF. DES</u>	<u>DATA ELEMENT</u>	<u>NAME</u>	<u>ATTRIBUTES</u>		
PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named BD Buyer Name or Department	M	ID	2/2
PER02	93	Name Free-form name Buyer's Name	M	AN	1/60

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Segment: ITD Terms of Sale/Deferred Terms of Sales

Level: Header

Loop: -----

Usage: Mandatory

Max Use: 1

Purpose: To specify terms of sale

Syntax: 1. If ITD03 is present, then at least one of ITD04, ITD05, or ITD13 is required.

Data Element Summary

<u>REF. DES</u>	<u>DATA ELEMENT</u>	<u>NAME</u>	<u>ATTRIBUTES</u>		
ITD01	336	Terms Type Code Code identifying type of payment terms Not Used	O	ID	2/2
ITD02	333	Terms Basis Date Code Code identifying the beginning of the terms period Not Used	O	ID	1/2
ITD03	338	Terms Discount Percent Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date	O	R	1/6
ITD04	370	Terms Discount Due Date Date payment is due if discount is to be earned Not Used	C	DT	8/8
ITD05	351	Terms Discount Days Due Number of days in the terms discount period by which payment is due if terms discount is earned	C	N0	1/3
ITD06	446	Terms Net Due Date Date when total invoice amount becomes due Not Used	O	DT	8/8
ITD07	386	Terms Net Days Number of days until total invoice amount is due (discount not applicable)	M	N0	1/3

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Segment: DTM Date/Time Reference
Level: Header
Loop: -----
Usage: Mandatory
Max Use: 2
Purpose: To specify pertinent dates and times
Syntax: 1. At least one of DTM02, DTM03, or DTM05 is required.
Notes: This segment is used to specify order processing dates.

Data Element Summary

<u>REF. DES</u>	<u>DATA ELEMENT</u>	<u>NAME</u>	<u>ATTRIBUTES</u>		
DTM01	374	Date/Time Qualifier Code specifying type of date or time	M	ID	3/3
		001 Cancel After 037 Ship not Before <i>Vendor must ship within the window of the 037 and 001 dates</i>			
DTM02	373	Date Date expressed as CCYYMMDD	M	DT	8/8

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Segment: N9 Reference Identification

Level: Header

Loop: N9

Usage: Optional

Max Use: 1

Usage: Optional

Max Use: 1

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Syntax: 1. At least one of N902 or N903 is required.

Data Element Summary

<u>REF. DES</u>	<u>DATA ELEMENT</u>	<u>NAME</u>	<u>ATTRIBUTES</u>		
N901	128	Reference Identification Qualifier Code qualifying the Reference Identification	M	ID	2/3
		AH Agreement Number			
N902	127	Reference Identification Free-form name	C	AN	1/30

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Segment: MTX Text
Level: Header
Loop: -----
Usage: Optional
Max Use: 1
Purpose: To specify textual data

Data Element Summary

<u>REF. DES</u>	<u>DATA ELEMENT</u>	<u>NAME</u>	<u>ATTRIBUTES</u>		
MTX01	363	Note Reference Code Code identifying the functional area or purpose for which the note applies Not Used	O	ID	3/3
MTX02	1551	Message Text To transmit large volumes of message text Dick's PO Message	C	AN	1/4096

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Segment: N1 Name
Level: Header
Loop: N1 **Usage:** Mandatory **Max Use:** 1
Usage: Mandatory
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax: 1. At least one of N102 or N103 is required.
 2. If either N103 or N104 is present, then the other is required.

Data Element Summary

<u>REF. DES</u>	<u>DATA ELEMENT</u>	<u>NAME</u>	<u>ATTRIBUTES</u>		
N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	M	ID	2/3
		ST Ship To			
N102	93	Name Free-form name	C	AN	1/60
		Not Used			
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67)	M	ID	1/2
		92 Assigned by Buyer or Buyer's Agent			
N104	67	Identification Code Code identifying a party or other code	M	AN	2/80

Dick's Ship To Location Number

This location is where the vendor must physically ship. Actual address of locations can be found under our "Store Breakdown by DC" listing on our website @ www.dsgfreight.com.

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Segment: PO1 Baseline Item Data

Level: Detail

Loop: PO1

Usage: Mandatory

Max Use: 100000

Usage: Mandatory

Max Use: 1

Purpose: To specify basic and most frequently used line item data

- Syntax:**
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.

Notes: For the multi-SKU case pack (otherwise known as style prepack or musical size run), PO103 will contain code CA. The use of code CA in PO103 and the presence of the SLN segments, informs the receiver to pack the cases with the SKUs and quantities in the SLN segments. The quantity in PO102 is the number of cases (physical cartons) being ordered. Each SLN segment that follows the PO1 segment, lists the UPC and the quantity of the SKU that is to be in the case. The total units in each case is the sum of the quantities in the SLN segment.

Data Element Summary

REF. DES	DATA ELEMENT	NAME	ATTRIBUTES		
			M	R	1/20
PO101	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	M	AN	1/20
		Sender Assigned Counter			
PO102	330	Quantity Ordered Quantity ordered	M	R	1/15
		Item Quantity or Carton Quantity if the item is a style prepack			
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	M	R	2/2
		CA Case EA Each			
PO104	212	Unit Price Price per unit of product, service, commodity, etc.	M	R	1/17
		Unit Cost The cost is sent with a decimal point only when needed, e.g., \$15.95 would be sent as "15.95", and \$29.00 would be sent as "29".			
PO105	639	Basis of Unit Price Code Code identifying the type of unit price for an item	M	ID	2/2
		QT Quoted			
PO106	235	Product/Service ID Qualifier	C	ID	2/2

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Code identifying the type/source of the descriptive number used in Product/Service ID (234)

EN European Article Number (EAN) (2-5-5-1)

UK U.P.C./EAN Shipping Container Code (1-2-5-5-1)

UP U.P.C. Consumer Package Code (1-5-5-1)

PO107 **234** **Product/Service ID** **C** **AN** **12/14**
Identifying number for a product or service

Vendor UPC or EAN Code

PO108 **235** **Product/Service ID Qualifier** **C** **ID** **2/2**
Code identifying the type/source of the descriptive number used in Product/Service ID (234)

VA Vendor's Style Number

PO109 **234** **Product/Service ID** **C** **AN** **1/48**
Identifying number for a product or service

Vendor's Style Number

PO110 **235** **Product/Service ID Qualifier** **C** **ID** **2/2**
Code identifying the type/source of the descriptive number used in Product/Service ID (234)

IT Buyer's Style Number

PO111 **234** **Product/Service ID** **C** **AN** **1/48**
Identifying number for a product or service

Dick's Style Number

PO112 **235** **Product/Service ID Qualifier** **C** **ID** **2/2**
Code identifying the type/source of the descriptive number used in Product/Service ID (234)

IN Buyer's Item Number

PO113 **234** **Product/Service ID** **C** **AN** **1/48**
Identifying number for a product or service

Dick's Item Number (SKU Number)

PO114 **235** **Product/Service ID Qualifier** **C** **ID** **2/2**
Code identifying the type/source of the descriptive number used in Product/Service ID (234)

BO Buyer's Color

PO115 **234** **Product/Service ID** **C** **AN** **1/48**
Identifying number for a product or service

Dick's Color

PO116 **235** **Product/Service ID Qualifier** **C** **ID** **2/2**
Code identifying the type/source of the descriptive number used in Product/Service ID (234)

IZ Buyer's Size Code

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PO117

234

Product/Service ID

Identifying number for a product or service

C

AN

1/48

Dick's Size Code

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Segment: CTP Pricing Information

Level: Detail

Loop: PO1/CTP

Usage : Optional

Max Use : >1

Usage : Optional

Max Use: 1

Purpose: To specify pricing information

Notes: This segment isn't sent if the component is part of a style prepack (musical size run).

Data Element Summary

<u>REF. DES</u>	<u>DATA ELEMENT</u>	<u>NAME</u>	<u>ATTRIBUTES</u>		
CTP01	687	Class of Trade Code Code indicating class of trade	M	ID	2/2
		RS Resale			
CTP02	236	Price Identifier Code Code identifying pricing specification	M	ID	3/3
		RES Resale (retail price)			
CTP03	212	Unit Price Price per unit of product, service, commodity, etc.	M	R	1/17
		Unit Ticket Price			

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Segment: PID Product/Item Description

Level: Detail

Loop: PO1/PID

Usage : Optional

Max Use : 1000

Usage : Optional

Max Use: 1

Purpose: To describe a product or process in coded or free-form format

Syntax: At least one of PID04 or PID05 is required

Data Element Summary

<u>REF. DES</u>	<u>DATA ELEMENT</u>	<u>NAME</u>	<u>ATTRIBUTES</u>		
PID01	349	Item Description Type Code indicating the format of a description F Free-form The description will be found in PID05.	M	ID	1/1
PID02	750	Product/Process Characteristic Code Code identifying the general class of a product or process characteristic Not Used	O	ID	2/3
PID03	559	Agency Qualifier Code Code identifying the agency assigning the code values Not Used	C	ID	2/2
PID04	751	Product Description Code A code from an industry code list which provides specific data about a product characteristic Not Used	C	AN	1/12
PID05	352	Description A free-form description to clarify the related data elements and their content Dick's Product Description	M	AN	1/80

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Segment: PO4 Item Physical Detail

Level: Detail

Loop: PO1

Usage : Optional

Max Use: 1

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

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

Data Element Summary

<u>REF. DES</u>	<u>DATA ELEMENT</u>	<u>NAME</u>	<u>ATTRIBUTES</u>		
PO401	356	Pack The number of inner containers per outer container	M	N0	1/6
		Dick's Case Pack <i>If casepack = 1 and item isn't a style prepack, then vendor may choose how to pack item.</i>			
PO402	357	Size Size of supplier units in pack	C	R	1/8
		Not Used			
PO403	355	Unit of Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	C	ID	2/2
		Not Used			
PO404	103	Packaging Code Code identifying the type of packaging	C	AN	3/5
		Not Used			
PO405	187	Weight Qualifier Code defining the type of weight	O	ID	1/2
		Not Used			
PO406	384	Gross Weight per Pack Numeric value of gross weight per pack	C	R	1/9
		Not Used			
PO407	355	Unit of Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	C	ID	2/2

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		Not Used			
PO408	385	Gross Volume per Pack Numeric value of gross volume per pack	C	R	1/9
		Not Used			
PO409	355	Unit of Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	C	ID	2/2
		Not Used			
PO410	82	Length Largest horizontal dimension of an object measured when the object is in the upright position	C	R	1/8
		Not Used			
PO411	189	Width Shorter measurement of the two horizontal dimensions measured with the object in the upright position	C	R	1/8
		Not Used			
PO412	65	Height Vertical dimension of an object measured when the object is in the upright position	C	R	1/8
		Not Used			
PO413	355	Unit of Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	C	ID	2/2
		Not Used			
PO414	810	Inner Pack The number of eaches per inner container	O	N0	1/6
		Number of compenents found in one inner container			

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Segment : SDQ Destination Quantity

Level: Detail

Loop: PO1

Usage: Mandatory

Max Use: 500

Purpose: To specify final destination and quantity detail

- Syntax:**
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.

Notes: The sum of all quantities in the SDQ segment(s), for a line item, must equal the quantity ordered in PO102.

Data Element Summary

<u>REF. DES</u>	<u>DATA</u> <u>ELEMENT</u>	<u>NAME</u>	<u>ATTRIBUTES</u>		
SDQ01	355	Unit of Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	M	ID	2/2
		CA Case EA Each			
SDQ02	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67)	M	ID	2/2
		92 Assigned by Buyer or Buyer's Agent			
SDQ03	67	Identification Code Code identifying a party or other code	M	AN	2/80
		Dick's Mark For Location Number			
SDQ04	380	Quantity Numeric value of quantity	M	R	1/15
		Mark For Location Item Quantity or Carton Quantity if the item is a style prepack			
SDQ05	67	Identification Code Code identifying a party or other code	O	AN	2/80
		Dick's Mark For Location Number			
SDQ06	380	Quantity Numeric value of quantity	O	R	1/15

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Mark For Location Item Quantity or Carton Quantity if the item is a style prepack

SDQ07	67	Identification Code Code identifying a party or other code	O	AN	2/80
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Dick's Mark For Location Number

SDQ08	380	Quantity Numeric value of quantity	O	R	1/15
--------------	------------	----------------------------------------------	----------	----------	-------------

Mark For Location Item Quantity or Carton Quantity if the item is a style prepack

SDQ09	67	Identification Code Code identifying a party or other code	O	AN	2/80
--------------	-----------	----------------------------------------------------------------------	----------	-----------	-------------

Dick's Mark For Location Number

SDQ10	380	Quantity Numeric value of quantity	O	R	1/15
--------------	------------	----------------------------------------------	----------	----------	-------------

Mark For Location Item Quantity or Carton Quantity if the item is a style prepack

SDQ11	67	Identification Code Code identifying a party or other code	O	AN	2/80
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Dick's Mark For Location Number

SDQ12	380	Quantity Numeric value of quantity	O	R	1/15
--------------	------------	----------------------------------------------	----------	----------	-------------

Mark For Location Item Quantity or Carton Quantity if the item is a style prepack

SDQ13	67	Identification Code Code identifying a party or other code	O	AN	2/80
--------------	-----------	----------------------------------------------------------------------	----------	-----------	-------------

Dick's Mark For Location Number

SDQ14	380	Quantity Numeric value of quantity	O	R	1/15
--------------	------------	----------------------------------------------	----------	----------	-------------

Mark For Location Item Quantity or Carton Quantity if the item is a style prepack

SDQ15	67	Identification Code Code identifying a party or other code	O	AN	2/80
--------------	-----------	----------------------------------------------------------------------	----------	-----------	-------------

Dick's Mark For Location Number

SDQ16	380	Quantity Numeric value of quantity	O	R	1/15
--------------	------------	----------------------------------------------	----------	----------	-------------

Mark For Location Item Quantity or Carton Quantity if the item is a style prepack

SDQ17	67	Identification Code Code identifying a party or other code	O	AN	2/80
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Dick's Mark For Location Number

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SDQ18	380	Quantity Numeric value of quantity	O	R	1/15
		Mark For Location Item Quantity or Carton Quantity if the item is a style prepack			
SDQ19	67	Identification Code Code identifying a party or other code	O	AN	2/80
		Dick's Mark For Location Number			
SDQ20	380	Quantity Numeric value of quantity	O	R	1/15
		Mark For Location Item Quantity or Carton Quantity if the item is a style prepack			
SDQ21	67	Identification Code Code identifying a party or other code	O	AN	2/80
		Dick's Mark For Location Number			
SDQ22	380	Quantity Numeric value of quantity	O	R	1/15
		Mark For Location Item Quantity or Carton Quantity if the item is a style prepack			

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Segment: SLN Subline Item Detail

Level: Detail

Loop: PO1/SLN

Usage: Optional

Max Use: 1000

Usage: Optional

Max Use: 1

Purpose: To specify product subline detail item data

Notes: This segment is sent if the component is part of a style prepack (musical size run).

Data Element Summary

<u>REF. DES</u>	<u>DATA ELEMENT</u>	<u>NAME</u>	<u>ATTRIBUTES</u>		
SLN01	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set Sender Assigned Counter	M	AN	1/20
SLN02	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set Not Used	O	AN	1/20
SLN03	662	Relationship Code Code indicating the relationship between entities I Included	M	ID	1/1
SLN04	380	Quantity Numeric value of quantity Quantity of component found in a single prepack	M	R	1/15
SLN05	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	ID	2/2
SLN06	212	Unit Price Price per unit of product, service, commodity, etc. Unit Cost The price is sent with a decimal point only when needed, e.g., \$15.95 would be sent as "15.95", and \$29.00 would be sent as "29".	M	R	1/17
SLN07	639	Basis of Unit Price Code Code identifying the type of unit price for an item Not Used	O	ID	12/2
SLN08	662	Relationship Code Code indicating the relationship between entities	O	ID	1/1

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Not Used

SLN09	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2
		EN European Article Number (EAN) (2-5-5-1) UK U.P.C./EAN Shipping Container Code (1-2-5-5-1) UP U.P.C. Consumer Package Code (1-5-5-1)			
SLN10	234	Product/Service ID Identifying number for a product or service	C	AN	12/14
		Vendor UPC or EAN Code			
SLN11	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2
		VA Vendor's Style Number			
SLN12	234	Product/Service ID Identifying number for a product or service	C	AN	12/14
		Vendor's Style Number			

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Segment: CTP Pricing Information

Level: Detail

Loop: PO1/SLN

Usage : Optional

Max Use: 1

Purpose: To specify pricing information

Notes: This segment is sent if the component is part of a style prepack (musical size run).

Data Element Summary

<u>REF. DES</u>	<u>DATA ELEMENT</u>	<u>NAME</u>	<u>ATTRIBUTES</u>		
CTP01	687	Class of Trade Code Code indicating class of trade	M	ID	2/2
		RS Resale			
CTP02	236	Price Identifier Code Code identifying pricing specification	M	ID	3/3
		RES Resale (retail price)			
CTP03	212	Unit Price Price per unit of product, service, commodity, etc.	M	R	1/17
		Unit Ticket Price			

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Segment: CTT Transaction Totals

Level: Summary

Loop: -----

Usage: Mandatory

Max Use: 1

Purpose: To transmit a hash total for a specific element in the transaction set

Data Element Summary

<u>REF. DES</u>	<u>DATA ELEMENT</u>	<u>NAME</u>	<u>ATTRIBUTES</u>
CTT01	354	Number of Line Items Total number of line items in the transaction set	M N0 1/6
		Number of PO1 segments present in the transaction set	

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Segment: SE Transaction Set Trailer

Level: Summary

Loop: -----

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)

Data Element Summary

<u>REF. DES</u>	<u>DATA ELEMENT</u>	<u>NAME</u>	<u>ATTRIBUTES</u>		
SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10
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	M	AN	4/9

This must be the same number as is in the ST segment (ST02) for the transaction set.

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Segment: **GE Functional Group Trailer**

Purpose: To indicate the end of a functional group and to provide control information

Data Element Summary

<u>REF. DES</u>	<u>DATA ELEMENT</u>	<u>NAME</u>	<u>ATTRIBUTES</u>		
GE01	97	Number of Transaction Sets Included Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element The number of ST segments with the group.	M	N0	1/6
GE02	28	Group Control Number Assigned number originated and maintained by the sender This must be the same number as is in the GS segment (GS06) for the group.	M	N0	1/9

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Segment: IEA Interchange Control Trailer

Purpose: To define the end of an interchange of one or more functional groups and interchange-related control segments

Data Element Summary

<u>REF. DES</u>	<u>DATA ELEMENT</u>	<u>NAME</u>	<u>ATTRIBUTES</u>		
IEA01	I16	Number of Included Functional Groups A count of the number of functional groups included in an interchange The number of GS segments within the transmission.	M	N0	1/5
IEA02	I12	Interchange Control Number A control number assigned by the interchange sender This must be the same number as is in the ISA segment (ISA13) for the transmission.	M	N0	9/9

Data and System Limitations

1. F.O.B. Related Instructions: (FOB)

The merchandising system presently employed does not provide the capability to capture F.O.B. instructions in a designated field. Currently, any special F.O.B. instructions will appear at the Header Level of the 850 purchase order transaction as an order message (MTX segment).

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EDI Example – Replenishment Order

ISA*00* *00* *01*157322272 *01*001004035 *010112*0903*U*00403*000000333*0*P*>
GS*PO*157322272*001004035*20010112*0903*000000333*X*004030VICS
ST*850*0001
BEG*00*RE*617574**20010110
CUR*BY*USD
REF*IA*1041
REF*DP*300*Bikes
PER*BD*CHRIS HEADLEY (EDI)
ITD***5**30**60
DTM*001*20010201
DTM*037*20010119
N9*AH*1
MTX*TEST SDQ ORDER
N1*ST**92*51
PO1*101*22*EA*10.75*QT*UP*025725132614*VA*167524*IT*ABCDE*IN*12345*BO*BLUE*IZ*NSIZE
CTP*RS*RES*18.99
PO4*1
SDQ*EA*92*01*2*02*2*03*2*04*2*05*2*06*2*07*2*08*2*10*2*11*2
SDQ*EA*92*12*2
PO1*102*22*EA*10.75*QT*UP*025725132621*VA*167524*IT*ABCDE*IN*12345*BO*RED*IZ*NSIZE
CTP*RS*RES*18.99
PO4*1
SDQ*EA*92*01*2*02*2*03*2*04*2*05*2*06*2*07*2*08*2*10*2*11*2
SDQ*EA*92*12*2
PO1*103*22*EA*10.75*QT*UP*025725132638*VA*167524*IT*ABCDE*IN*12345*BO*GREEN*IZ*NSIZE
CTP*RS*RES*18.99
PO4*1
SDQ*EA*92*01*2*02*2*03*2*04*2*05*2*06*2*07*2*08*2*10*2*11*2
SDQ*EA*92*12*2
PO1*201*2*EA*11*QT*UP*025725135615*VA*167424*IT*ABCDE*IN*12345*BO*YELLOW*IZ*NSIZE
CTP*RS*RES*18.99
PO4*1
SDQ*EA*92*01*1*30*1
PO1*202*4*EA*11*QT*UP*025725135622*VA*167424*IT*ABCDE*IN*12345*BO*ORANGE*IZ*NSIZE
CTP*RS*RES*18.99
PO4*1
SDQ*EA*92*01*2*30*2
PO1*203*4*EA*11*QT*UP*025725135639*VA*167424*IT*ABCDE*IN*12345*BO*WHITE*IZ*NSIZE
CTP*RS*RES*18.99
PO4*1
SDQ*EA*92*01*2*30*2
PO1*204*2*EA*11*QT*UP*025725135646*VA*167424*IT*ABCDE*IN*12345*BO*BLACK*IZ*NSIZE
CTP*RS*RES*18.99
PO4*1
SDQ*EA*92*01*1*30*1
CTT*7
SE*44*0001
GE*1*000000333
IEA*1*000000333

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EDI Example – Parent Order

ISA*00* *00* *01*157322272 *08*6122650000 *050805*1414*U*00403*000004107*0*P*>
GS*PO*157322272*6122650000*20050805*1414*000004107*X*004030VICS
ST*850*0001
BEG*00*BK*192000674**20050805
CUR*BY*USD
REF*IA*62
REF*DP*300*Bikes
PER*BD*CHRIS HEADLEY (EDI)
ITD*****60
DTM*001*20050830
DTM*037*20050808
N1*ST**92*951
PO1*1*24*EA*130.2*QT*UP*123456786678*VA*STYLEA*IT*ABCDE*IN*12345*BO*BLUE*IZ*NSIZE
CTP*RS*RES*159.99
PO4*12
SDQ*EA*92*951*24
PO1*2*36*EA*130.2*QT*UP*123456786685*VA*STYLEA*IT*ABCDE*IN*12345*BO*RED*IZ*NSIZE
CTP*RS*RES*159.99
PO4*12
SDQ*EA*92*951*36
PO1*3*60*EA*130.2*QT*UP*123456786692*VA*STYLEA*IT*ABCDE*IN*12345*BO*BLACK*IZ*NSIZE
CTP*RS*RES*159.99
PO4*12
SDQ*EA*92*951*60
CTT*24
SE*46*0001
GE*1*000004107
IEA*1*000004107

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EDI Example – Child Order

ISA*00* *00* *01*157322272 *08*6122650000 *050808*1430*U*00403*000004113*0*P*>
GS*PO*157322272*6122650000*20050808*1430*000004113*X*004030VICS
ST*850*0001
BEG*00*RL*192000674*192000681*20050808
CUR*BY*USD
REF*IA*62
REF*DP*300*Bikes
PER*BD*CHRIS HEADLEY (EDI)
ITD*****60
DTM*001*20050830
DTM*037*20050808
N1*ST**92*51
PO1*1*24*EA*130.2*QT*UP*123456786678*VA*STYLEA*IT*ABCDE*IN*12345*BO*BLUE*IZ*NSIZE
CTP*RS*RES*159.99
PO4*12
SDQ*EA*92*51*24
PO1*2*36*EA*130.2*QT*UP*123456786685*VA*STYLEA*IT*ABCDE*IN*12345*BO*RED*IZ*NSIZE
CTP*RS*RES*159.99
PO4*12
SDQ*EA*92*51*36
PO1*3*48*EA*130.2*QT*UP*123456786692*VA*STYLEA*IT*ABCDE*IN*12345*BO*BLACK*IZ*NSIZE
CTP*RS*RES*159.99
PO4*12
SDQ*EA*92*51*48
CTT*24
SE*46*0001
GE*1*000004113
IEA*1*000004113

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EDI Example – Style Prepack Order

The below order is asking for 10 physical cartons (cases). Each case should contain a 2-4-4-4-2 run or 16 units for a grand total of 160 units for the entire order.

ISA*00* *00* *01*157322272 *08*6122650000 *050808*1430*U*00403*000004113*0*P*>
GS*PO*157322272*6122650000*20050808*1430*000004113*X*004030VICS
ST*850*0001
BEG*00*SA*192000674**20050808
CUR*BY*USD
REF*IA*62
REF*DP*800*Mens Outerwear
PER*BD*CHRIS HEADLEY (EDI)
ITD*****60
DTM*001*20050830
DTM*037*20050808
N1*ST**92*51
PO1*1*10*CA*166*QT*UP*123456786678
PO4*1*****16
SDQ*CA*51*10
SLN*1*2*EA*10*QT*UP*123456786685*VA*STYLEA
CTP*RS*RES*19.99
SLN*2*4*EA*10*QT*UP*123456786686*VA*STYLEA
CTP*RS*RES*19.99
SLN*3*4*EA*10*QT*UP*123456786687*VA*STYLEA
CTP*RS*RES*19.99
SLN*4*4*EA*11*QT*UP*123456786688*VA*STYLEA
CTP*RS*RES*20.99
SLN*5*2*EA*11*QT*UP*123456786689*VA*STYLEA
CTP*RS*RES*20.99
CTT*1
SE*23*0001
GE*1*000004113
IEA*1*000004113

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EDI Example – Style Prepack Order with Multiple Inner Packs

The below order is asking for 5 physical cartons (cases). Each case should consist of 2 inner packs of a 2-4-4-4-2 run or 32 units in each case for a grand total of 160 units for the entire order.

ISA*00* *00* *01*157322272 *08*6122650000 *050808*1430*U*00403*000004113*0*P*>
GS*PO*157322272*6122650000*20050808*1430*000004113*X*004030VICS
ST*850*0001
BEG*00*SA*192000674**20050808
CUR*BY*USD
REF*IA*62
REF*DP*800*Mens Outerwear
PER*BD*CHRIS HEADLEY (EDI)
ITD*****60
DTM*001*20050830
DTM*037*20050808
N1*ST**92*51
PO1*1*5*CA*332*QT*UP*123456786678
PO4*2*****16
SDQ*CA*51*5
SLN*1*2*EA*10*QT*UP*123456786685*VA*STYLEA
CTP*RS*RES*19.99
SLN*2*4*EA*10*QT*UP*123456786686*VA*STYLEA
CTP*RS*RES*19.99
SLN*3*4*EA*10*QT*UP*123456786687*VA*STYLEA
CTP*RS*RES*19.99
SLN*4*4*EA*11*QT*UP*123456786688*VA*STYLEA
CTP*RS*RES*20.99
SLN*5*2*EA*11*QT*UP*123456786689*VA*STYLEA
CTP*RS*RES*20.99
CTT*1
SE*23*0001
GE*1*000004113
IEA*1*000004113

Change Log

Revision	Author	Date	Description
1.0	Chris Headley	06/13/2006	Initial copy
1.1	Chris Headley	11/16/2006	Modified style prepack segments (PO102, PO104, PO414, and SDQ) to reflect physical cartons for style prepacks instead of number of style prepacks Added po example depicting a style prepack with multiple inner packs Modified ISA11 to be in compliance with 4030 standard Added po example depicting a style prepack with multiple inner packs
1.2	Chris Headley	06/15/2007	Add PO type of Parent/Child