
Olympia Sports Center

Electronic Data Interchange

**Trading Partner Information Guide
And Mapping Specifications**

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Olympia Sports EDI Strategy

Olympia Sports vision is to have a value added, seamless supply chain. EDI will enable information to flow quickly and accurately through the supply chain, providing maximum efficiency at the lowest cost to the production and movement of products as well as help hold down the cost of value added services.

Olympia Sports goal is to utilize EDI where it makes good sense. Our EDI department is dedicated to integrating EDI documents and increasing the number of EDI Trading Partners in production. Working together, we can establish an aggressive working schedule for EDI implementation.

Olympia Sports has chosen EDI as an enabling technology to achieve high quality customer service. With a quality partnership, we will achieve substantial benefits both today and in the future.

Business Contact for the 850, 856, 810 and UCC128 label:

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EDI Communication ID's – (VAN)

Segment	Description	Olympia Sports Sends	Olympia Sports Receives
ISA01	Authorization information qualifier	00	
ISA02	Authorization information	(must be blank)	
ISA03	Security information qualifier		00
ISA04	Security information		(must be blank)
ISA05	Interchange ID qualifier	01	Test: Prod:
ISA06	Interchange ID	077467603	Test: Prod:
ISA07	Interchange ID qualifier	Test: Prod:	01
ISA08	Interchange ID	Test: Prod:	077467603
GS02	Application Code	077467603	
GS03	Application Code		077467603

850 Purchase Order - 4010

Functional Group ID=PO

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Transaction Set (850) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the placement of purchase orders for goods and services. This transaction set should not be used to convey purchase order changes or purchase order acknowledgment information.

Heading:

Pos. No.	Seg. ID	Seg. Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
010	ST	Transaction Set Header	M	1		
020	BEG	Beginning Segment for Purchase Order	M	1		
040	CUR	Currency	O	1		
050	REF	Reference Identification	M	1		
060	PER	Administrative Communications Contact	O	1		
		LOOP ID - SAC			1	
120	SAC	Service, Promotion, Allowance, or Charge	O	1		
130	ITD	Terms of Sale/Deferred Terms of Sale	O	1		
150	DTM	Date/Time Reference	M	2		
240	TD5	Carrier Details	O	1		
		LOOP ID - N1			1	
310	N1	Name	M	1		
320	N2	Additional Name Information	M	1		
330	N3	Address Information	M	1		
340	N4	Geographic Location	M	1		

Detail:

Pos. No.	Seg. ID	Seg. Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
		LOOP ID - PO1			100000	
010	PO1	Baseline Item Data	M	1		n1
		LOOP ID - CTP			1	
040	CTP	Pricing Information	M	1		
		LOOP ID - PID			3	
050	PID	Product/Item Description	M	1		
190	SDQ	Destination Quantity	O	30		
		LOOP ID - SLN			50	
470	SLN	Subline Item Detail	O	1		

Summary:

Pos. No.	Seg. ID	Seg. Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
		LOOP ID - CTT			1	
010	CTT	Transaction Totals	O	1		n2
020	AMT	Monetary Amount	O	1		n3
030	SE	Transaction Set Trailer	M	1		

Transaction Set Notes:

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

Segment: ST Transaction Set Header

Position: 010

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:

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
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	M AN 4/9

Segment: BEG Beginning Segment for Purchase Order

Position: 020

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:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
BEG01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 00 Original 01 Cancellation 05 Replace	M ID 2/2
BEG02	92	Purchase Order Type Code Code specifying the type of Purchase Order BK Blanket Order (Quantity Firm) RL Release or Delivery Order Release Order are used ONLY when SDQ's are present SA Stand-alone Order	M ID 2/2
BEG03	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser	M AN 1/9
BEG05	373	Date Date expressed as CCYYMMDD	M DT 8/8

Segment: CUR Currency

Position: 040

Loop:

Level: Heading

Usage: Optional

Max Use: 1

Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction

Syntax Notes:

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
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

Segment: REF Reference Identification

Position: 050

Loop:

Level: Heading

Usage: Mandatory

Max Use: 1

Purpose: To specify identifying information

Syntax Notes:

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification DP Department Number	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	M AN 1/30

Segment: PER Administrative Communications Contact

Position: 060

Loop:

Level: Heading

Usage: Optional

Max Use: 1

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

Syntax Notes:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</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	M AN 1/30

Segment: SAC Service, Promotion, Allowance, or Charge Information

Position: 120

Loop: SAC Optional

Level: Heading

Usage: Optional

Max Use: 1

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Syntax Notes: 1 If either SAC06 or SAC07 is present, then the other is required.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
SAC01	248	Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified A Allowance	M ID 1/1
SAC02	1300	Service, Promotion, Allowance, or Charge Code Code identifying the service, promotion, allowance, or charge A260 Advertising Allowance	M ID 4/4
SAC05	610	Amount Monetary amount	O N2 1/15
SAC06	378	Allowance/Charge Percent Qualifier Code indicating on what basis allowance or charge percent is calculated 1 Item List Cost 2 Item Net Cost 4 Discount/Net 5 Base Price per Unit Z Mutually Defined	X ID 1/1
SAC07	332	Percent Percent expressed as a percent	X R 1/6
SAC15	352	Description A free-form description to clarify the related data elements and their content	X AN 1/45

Segment: ITD Terms of Sale/Deferred Terms of Sale

Position: 130

Loop:

Level: Heading

Usage: Optional

Max Use: 1

Purpose: To specify terms of sale

Syntax Notes: 1 If ITD03 is present, then ITD05 is required.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
ITD01	336	Terms Type Code Code identifying type of payment terms Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
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
ITD05	351	Terms Discount Days Due Number of days in the terms discount period by which payment is due if terms discount is earned	X N0 1/3
ITD12	352	Description A free-form description to clarify the related data elements and their content	M AN 1/30

Segment: DTM Date/Time Reference

Position: 150

Loop:

Level: Heading

Usage: Mandatory

Max Use: 2

Purpose: To specify pertinent dates and times

Syntax Notes:

Data Element Summary

Ref.	Data		
Des.	Element	Name	Attributes
DTM01	374	Date/Time Qualifier	M ID 3/3
		Code specifying type of date or time, or both date and time	
		037 Ship Not Before	
		038 Ship No Later	
DTM02	373	Date	M DT 8/8
		Date expressed as CCYYMMDD	

Segment: TD5 Carrier Details (Routing Sequence/Transit Time)

Position: 240

Loop:

Level: Heading

Usage: Optional

Max Use: 1

Purpose: To specify the carrier and sequence of routing and provide transit time information

Syntax Notes:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
TD505	387	Routing	M AN 1/30
		Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	

Segment: N1 Name

Position: 310

Loop: N1 Mandatory

Level: Heading

Usage: Mandatory

Max Use: 1

Purpose: To identify a party by type of organization, name, and code

Syntax Notes:

Data Element Summary

Ref.	Data		
Des.	Element	Name	Attributes
N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual ST Ship To	M ID 2/3
N102	93	Name Free-form name	M AN 1/60
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 92 Assigned by Buyer or Buyer's Agent	M ID 1/2
N104	67	Identification Code Code identifying a party or other code The store number or code for warehouse will be sent here.	M AN 2/4

Segment: N2 Additional Name Information

Position: 320

Loop: N1

Level: Heading

Usage: Optional

Max Use: 1

Purpose: To specify additional names or those longer than 35 characters in length

Syntax Notes:

Data Element Summary

Ref.	Data		
Des.	Element	Name	Attributes
N201	93	Name Free-form name	M AN 1/60

Segment: N3 Address Information

Position: 330

Loop: N1

Level: Heading

Usage: Mandatory

Max Use: 1

Purpose: To specify the location of the named party

Syntax Notes:

Data Element Summary

Ref.	Data		
Des.	Element	Name	Attributes
N301	166	Address Information Address information	M AN 1/35
N302	166	Address Information Address information	O AN 1/35

Segment: N4 Geographic Location

Position: 340

Loop: N1

Level: Heading

Usage: Mandatory

Max Use: 1

Purpose: To specify the geographic place of the named party

Syntax Notes:

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
N401	19	City Name Free-form text for city name	M AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	M ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	M ID 3/15
N404	26	Country Code Code identifying the country	O ID 2/3

Segment: PO1 Baseline Item Data**Position:** 010**Loop:** PO1 Mandatory**Level:** Detail**Usage:** Mandatory**Max Use:** 1**Purpose:** To specify basic and most frequently used line item data**Syntax Notes:** 1 If PO103 is present, then PO102 is required.

2 If PO105 is present, then PO104 is required.

3 If either PO106 or PO107 is present, then the other is required.

4 If either PO108 or PO109 is present, then the other is required.

5 If either PO110 or PO111 is present, then the other is required.

Data Element Summary

Ref.	Data		
Des.	Element	Name	Attributes
PO101	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	O AN 1/4
PO102	330	Quantity Ordered Quantity ordered	M R 1/12
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 EA Each CA Case (only used for “musical size runs”, if CA is present then SLN segments will follow to detail UPC’s and qty. CA is equivalent to ordering a “set” of a style.	M ID 2/2
PO104	212	Unit Price Price per unit of product, service, commodity, etc.	X R 1/15
PO106	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) UP U.P.C. Consumer Package Code (1-5-5-1)	X ID 2/2
PO107	234	Product/Service ID Identifying number for a product or service	X AN 1/15
PO108	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) ST Style Number	X ID 2/2
PO109	234	Product/Service ID Identifying number for a product or service	X AN 1/20
PO110	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) SK Stock Keeping Unit (SKU)	X ID 2/2
PO111	234	Product/Service ID Identifying number for a product or service	X AN 1/30

Segment: CTP Pricing Information

Position: 040

Loop: CTP Optional

Level: Detail

Usage: Mandatory

Max Use: 1

Purpose: To specify pricing information

Syntax Notes:

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
CTP02	236	Price Identifier Code Code identifying pricing specification RES Retail	M ID 3/3
CTP03	212	Unit Price Price per unit of product, service, commodity, etc.	M R 1/15

Segment: PID Product/Item Description

Position: 050

Loop: PID can have 3 loops

Level: Detail

Usage: Mandatory (not in pre-packs)

Max Use: 1

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

Syntax Notes:

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
PID01	349	Item Description Type Code indicating the format of a description F Free-form	M ID 1/1
PID02	750	Product/Process Characteristic Code Code identifying the general class of a product or process characteristic 08 Product 73 Vendor color description 74 Vendor size description	M ID 2/3
PID05	352	Description A free-form description to clarify the related data elements and their content	M AN 1/25

Segment: SDQ Destination Quantity**Position:** 190**Loop:** PO1 Mandatory**Level:** Detail**Usage:** Optional**Max Use:** 30**Purpose:** To specify destination and quantity detail**Syntax Notes:** 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.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
SDQ01	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken EA Each	M ID 2/2
SDQ02	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 92 Assigned by Buyer or Buyer's Agent	M ID 1/2
SDQ03	67	Identification Code Code identifying a party or other code Store number	M AN 2/4
SDQ04	380	Quantity Numeric value of quantity	M R 1/10
SDQ05	67	Identification Code Code identifying a party or other code Store number	X AN 2/4
SDQ06	380	Quantity Numeric value of quantity	X R 1/10
SDQ07	67	Identification Code Code identifying a party or other code Store number	X AN 2/4
SDQ08	380	Quantity Numeric value of quantity	X R 1/10
SDQ09	67	Identification Code Code identifying a party or other code Store number	X AN 2/4
SDQ10	380	Quantity Numeric value of quantity	X R 1/10
SDQ11	67	Identification Code Code identifying a party or other code Store number	X AN 2/4
SDQ12	380	Quantity	X R 1/10

SDQ13	67	Numeric value of quantity Identification Code Code identifying a party or other code Store number	X AN 2/4
SDQ14	380	Quantity Numeric value of quantity	X R 1/15
SDQ15	67	Identification Code Code identifying a party or other code Store number	X AN 2/4
SDQ16	380	Quantity Numeric value of quantity	X R 1/10
SDQ17	67	Identification Code Code identifying a party or other code Store number	X AN 2/4
SDQ18	380	Quantity Numeric value of quantity	X R 1/10
SDQ19	67	Identification Code Code identifying a party or other code Store number	X AN 2/4
SDQ20	380	Quantity Numeric value of quantity	X R 1/10
SDQ21	67	Identification Code Code identifying a party or other code Store number	X AN 2/4
SDQ22	380	Quantity Numeric value of quantity	X R 1/10

Segment: SLN Subline Item Detail

Position: 470

Loop: SLN Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify product subline detail item data

Syntax Notes: 1 If either SLN04 or SLN05 is present, then the other is required.

2 If SLN07 is present, then SLN06 is required.

3 If SLN08 is present, then SLN06 is required.

4 If either SLN09 or SLN10 is present, then the other is required.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
SLN01	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	M 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 You will need to calculate this quantity by the quantity in the PO102 to determine the total number of eaches (quantity) ordered for this UPC. <i>OR</i> If SDQ's are present then you will need to calculate this quantity by the quantity listed for each location (even numbered SDQ elements) to determine the total number of eaches ordered for this store.	M R 1/15
SLN05	C001	Composite Unit of Measure To identify a composite unit of measure EA each (See Figures Appendix for examples of use)	M
C00101	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.	M R 1/15
SLN07		Unit Price Basis WE Wholesale Price each	M ID 2/2
SLN09	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) UP U.P.C. Consumer Package Code (1-5-5-1)	X ID 2/2
SLN10	234	Product/Service ID Identifying number for a product or service	M AN 1/15
SLN11	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) SK Stock Keeping Unit (SKU)	M ID 2/2
SLN12	234	Product/Service ID Identifying number for a product or service	M AN 1/48

SLN13	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) CL Color	X ID 2/2
SLN14	234	Product/Service ID Identifying number for a product or service	X AN 1/48
SLN15	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) SZ Vendor Alphanumeric Size Code (NRMA)	M ID 2/2
SLN16	234	Product/Service ID Identifying number for a product or service	M AN 1/48
SLN17	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) ST Style Number	M ID 2/2
SLN18	234	Product/Service ID Identifying number for a product or service	M AN 1/48

Segment: CTT Transaction Totals

Position: 010

Loop: CTT Optional

Level: Summary

Usage: Mandatory

Max Use: 1

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

Syntax Notes:

Data Element Summary

Ref.	Data		
Des.	Element	Name	Attributes
CTT01	354	Number of Line Items Total number of line items in the transaction set	M N0 1/6

Segment: AMT Monetary Amount

Position: 020

Loop: CTT Optional

Level: Summary

Usage: Optional

Max Use: 1

Purpose: To indicate the total monetary amount

Syntax Notes:

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
AMT01	522	Amount Qualifier Code Code to qualify amount TT Total Transaction Amount	M ID 1/3
AMT02	782	Monetary Amount Monetary amount	M R 1/18

Segment: SE Transaction Set Trailer

Position: 030

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:

Data Element Summary

Ref.	Data	Name	Attributes
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

Document General Information - 856

Doc. #856 Type SH Document Name ASN –Ship Notice/Manifest Direction TP to HUB

ASN FLOW:	ASN's will be turned around from the 850 transaction. All PO's and PO Revisions must be accepted prior to the creation of a shipment for a given PO and in the order documents are received. Any discrepancies between the vendor and Olympia will need to be resolved between the two partners before the PO ship date. A Revised PO will need to be generated by Olympia to correct the open PO before the shipment document should be created.
ASN USAGE:	The ASN will be sent from the Vendors to Olympia indicating what order and items within the order are being shipped. One ASN should be created for each Ship-to location, can contain "cross-dock" or multiple "marked for" locations, and can contain only one PO. A shipment may represent more than one ASN.
PARTIAL ORDER	Vendors are allowed to ship partial orders. The remaining products on the original PO will remain open, allowing the vendor to complete the shipment and invoice for the remaining quantities, if appropriate. Each shipment must have unique shipment IDs.
MARKINGS	Each Carton on the ASN must have a unique carton marking and identification number. <u>UCC-128 must be unique for one year per UCC standards.</u>
TIMING:	An ASN should to be sent no later then time of shipment, prior to shipment arrival at Olympia location. If shipping will take less then a day, contact Olympia once ASN is transmitted. Charge backs will be incurred for any ASN not at Olympia before shipments arrive. We would like the ASN 3 days before the product lands at our DC location. This way we can make sure everything is all set and we can act upon any errors.
MANDATORY DOCUMENT:	Olympia expects an 856/ASN from all vendors for all shipments.
UCC-128 LABELS:	Data from the ASN will be used to generate Shipping Carton Labels, one uniquely marked label per carton. <u>Label specs are at the end of this document.</u>

Functional Requirements:

- Data from the PO will source the ASN transaction when the supplier selects the order to be included in the Shipment. There must be one ASN per PO per ship-to location
- Can't consolidate multiple PO's on an ASN
- Quantities may only be decreased for partial shipments – there are NO subs/deletions/increases etc.
- Create a UCC-128 label and attach to the shipping containers. (See attached Bar Code Label specifications)
- One style number will have multiple UPC's assigned to it – multiple UPC's can be included in the same carton only if they belong to the same style number.

MATRIX – 856 Ship Notice/Manifest – ASN

Sourced from:									Sourced to:	
Supplier	850	Segment/ Element 856	Data Element Dictionary	"What's this?" notes	Description	Min/ Max	Edit Y/N	Attributes / Notes M=Mandatory O=optional X=conditional	UCC- 128 Label	810 Invoice
ST - Mandatory										
		ST01	143		Trans Set ID Code 856	3/3	N	M / ID		
		ST02	329		Control Number	4/9	N	M / AN		
BSN - Mandatory										
		BSN01	353		Transaction Set Purpose Code 00 - Original	2/2	N	M / ID		
unique by shipment		BSN02	396		Shipment ID	2/22	N	M / AN		REF*SI
		BSN03	373		Today's Date - CCYYMMDD	8/8	Y	M / DT		
		BSN04	337		Time	6/6	N	M / TM		
		BSN05	1005		Hierarchical Structure Code 0001 – Shipment, Order, Packaging,	4/4	N	M / ID		
HL - Mandatory										
		HL01	628		Hierarchical ID Number - 1	1/12	N	M / AN		
		HL03	735		Hierarchical Level Code S – Shipment	1/12	N	M / ID		
TD1 - Mandatory										
		TD101	103		Packaging Code CTN25 -carton	3/5	N	M / AN		
Total of all HLP's		TD102	80		Lading Quantity Total cartons	1/12	N	M / N0		
		TD106	187		Weight Qualifier G -gross	1/2	N	M / ID		
TD1 at HLO		TD107	81		Weight Total LBs	1/10	N	M / R		
		TD108	355		UOM LB - pounds	2/2	N	M / ID		
TD5 - Mandatory										
		TD501	133		Routing Sequence Code O -Origin Carrier	1/2	N	M / ID		
		TD502	66		ID Code Qualifier 2 - SCAC	1/2	N	M / ID		

		TD503	67	Carrier's SCAC code	SCAC ID Code (must be upper Case)	4/4	Y	M / AN		
		TD504	91		Transportation Method A-Air H-Customer Pick-Up LT-Less Than Trailer M-Full Trailer Load R-Rail, S-Ocean U-Private Parcel Service		Y	X / ID		
	TD505	TD505	387	Carrier's Name	Ship via Routing	1/35	Y	M / AN	X	
		TD506	368		Shipment Status/Order Status Code CL-Complete PR-Partial Shipment	2/2	Y	X / ID		
		TD512	284	Express Service must be approved	Service Level Code CG-Ground CX-Express Service	2/2	Y	X / ID		
REF – 1-2 Occurrences		<u>A BOL or Carrier # must be sent</u>								
		REF01	128		Reference Qualifier BM - Bill of Lading	2/2	N	M / ID		
		REF02	127	Bill of Lading number from Manifest	BOL# Reference ID	1/30	Y	X / AN	X	REF*BM
REF - Optional	<u>One of</u>	<u>These 2 REF's</u>	<u>Must be sent</u>							
		REF01	128		Reference Qualifier CN - Carrier Reference	2/2	N	M / ID		
		REF02	127	Carrier Pro number from Manifest"	PRO # Reference ID	1/30	Y	X / AN		
DTM = Mandatory 2 Occurrences										
		DTM01	374		Date/Time Qual 011 - Shipped 017-Estimated Delivery	3/3	Y	M / ID		
		DTM02	373		Date – CCYYMMDD	8/8	Y	M / DT		

FOB - Optional										
	FOB01	FOB01	146		Method of Payment for Shipment CC – Collect CF – Collect, Freight Credited Back to cust PC – Prepaid but Charged to Customer PP – Prepaid (by seller)	2/2	N	M / ID		
N1 LOOP - 2 occurrences										
N1 -Ship To - Mandatory										
	N101	N101	98		Entity ID Code ST - Ship To	2/2	N	M / ID		N101
	N102	N102	93		Ship To: Name	1/60	N	M / AN	X	N102
	N103	N103	66		ID code qualifier 92 – Assigned by the Buyer	2/2	N	M / ID		N103
	N104	N104	67		Identification Code – Store	2/4	N	M / AN	X	N104
N2 - Optional										
	N201	N201	93		Name: Address Info	1/60	N	M / AN	X	N201
N3 - Mandatory										
	N301	N301	166		Address Info	1/35	N	M / AN	X	N301
	N302	N302	166		Address Info	1/35	N	O / AN	X	N302
N4 - Mandatory										
	N401	N401	19		City Name	2/30	N	M / AN	X	N401
	N402	N402	156		State	2/2	N	M / ID	X	N402
	N403	N403	116		Postal Code	3/15	N	M / ID	X	N403
	N404	N404	26		Country Code	2/3	N	O / ID	X	N404
N1 - Ship From - Mandatory										
		N101	98		Entity ID Code SF - Ship From	2/2	N	M / ID		
		N102	93		Ship From: Name	1/60	Y	M / AN	X	
N2 - Optional										
		N201	93		Additional name	1/60	Y	M / AN	X	

N3 - Mandatory										
		N301	166		Address Info	1/35	Y	M / AN	X	
		N302	166		Address Info	1/35	Y	O / AN	X	
N4 - Mandatory										
		N401	19		City Name	2/30	Y	M / AN	X	
		N402	156		State	2/2	Y	M / ID	X	
		N403	116		Postal Code	3/15	Y	M / ID	X	
		N404	26		Country Code	2/3	Y	O / ID	X	
HL - Mandatory										
		HL01	628		Hierarchical ID Number - 2	1/12	N	M / AN		
		HL02	734		Hierarchical Parent ID Number - 1	1/12	N	M / AN		
		HL03	735		Hierarchical Level Code O - Order	1/12	N	M / ID		
PRF - Mandatory										
	BEG03	PRF01	324	original PO # assigned by Olympia	PO Number	1/9	N	M / AN	x	BIG04
	BEG05	PRF04	373		PO Date - CCYYMMDD	8/8	N	M / DT		
		PRF06		Match to REF*IV in the 810	Inv #					
TD1 - Mandatory										
		TD101	103		Packaging Code CTN25 - Carton	3/5	N	M / AN		
	number of HLP's	TD102	80	Number of Cartons shipped	Lading Qty	1/7	N	M / N0		
		TD106	187		Weight Qualifier G - Gross Weight	1/2	N	M / ID		
		TD107	81	weight in pounds of all cartons for this PO."	Weight	1/10	Y	M / R		
		TD108	355		UOM for Measurement LB-l pounds	2/2	N	M / ID		
REF - Mandatory										
	REF01	REF01	128		Reference Qualifier DP - dept #	2/2	N	M / ID		
	REF02	REF02	127		Department #	1/30	N	M / AN		

N1 - Mark-for Optional										
Mandatory if no SDQ segment for mark-for		N101	324		ID code BY	2/2	N	M / AN		
		N102			Name					
		N103	373		ID Code 92	8/8	N	M / DT		
		N104			Mark-for Store #	3/3	Y	M / AN	x	
HL - Mandatory										
		HL01	628		Hierarchical ID Number - 3	1/12	N	M / AN		
		HL02	734		Hierarchical parent ID - 2	1/12	N	M / AN		
		HL03	735		Hierarchical Level Code P - Pack	1/2	N	M / ID		
MAN - Mandatory										
		MAN01	88		Marks and Numbers Qualifiers GM - SSCC-18 and Application Identifier	1/2	N	M / ID		
		MAN02	87	20 character UCC/EAN 128 Serial Shipping Container code that includes the two digit application identifier.	Container ID	1/30	N	M / AN	X Barcode	
		MAN03	87	Pick Ticket number	Marks and Numbers	1/30	Y	<input type="checkbox"/> / AN		
		MAN04	88		Marks and Numbers Qualifier CP -Carrier Assigned	1/2	N	X / ID		
		MAN05	87	Carrier Assigned Package ID	Marks and Numbers	1/30	Y	X / AN		
SDQ – Mark-for Optional -										
Mandatory if no N1 for mark-for orders		SDQ01	355		Unit of Measure CT - Carton	2/2	N	M / ID		
		SDQ02	66		ID code qualifier 92 – Assigned by the Buyer	1/2	N	M / ID		

	SDQ03,0 5,07,09,1 1,etc	SDQ03	67	Store carton marked for - ultimate destination	store code, for where the carton is marked	2/4	N	M / AN	X	
		SDQ04	380		Quantity Constant value of "1"	1/1	N	M / R		
HL - Mandatory										
		HL01	628		Hierarchy ID Number - 4	1/12	N	M / AN		
		HL02	734		Hierarchical parent ID - 3	1/12	N	M / AN		
		HL03	735		Hierarchical Level Code I - Item	1/2	N	M / ID		
LIN - Mandatory										
	PO101 <u>or</u> <u>SLN01</u>	LIN01	350		Assignment ID	1/20	N	O / AN		
	PO106 <u>or</u> <u>SLN09</u>	LIN02	235		Prod ID qualifier UP - UPC	2/2	N	M / ID		IT106
	PO107 <u>or</u> <u>SLN10</u>	LIN03	234		UPC Prod ID	1/15	N	M / AN		IT107
	PO108	LIN04	235		Prod ID qualifier ST - Style Number	2/2	N	M / ID		IT108
	PO109	LIN05	234		Style # Prod ID	1/20	<u>N</u>	M / AN	X	IT109
	PO110	LIN06	235		Prod ID qualifier SK - SKU	2/2	N	M / ID		IT110
	PO111	LIN07	234		SKU Product ID	1/30	<u>N</u>	M / AN	<u>X</u>	IT111
SN1 - Mandatory										
	PO102 <u>or</u> <u>SLN04</u>	SN102	382	number of units that are being shipped	Units Shipped	1/10	Y	M / R	X	
		SN103	355		Unit of measure code EA - Each	2/2	N	M / ID		
	PO103 <u>or</u> <u>SLN04</u>	SN105	330		Quantity Ordered	1/12	N	O / R		
		SN106	355		Unit of measure code EA - Each	2/2	N	O / ID		
PID Loop - Mandatory										
PID for Product Description -										
	PID01	PID01	349		Item Description Type F - Freeform	1/1	N	M / ID		PID01
	PID02	PID02	750		Product Characteristic Code 08 - Product	2/2	N	M / ID		PID02

	PID05	PID05	352		Item Description	1/25	N	M / AN		PID05
PID for Product Color – Optional										
	PID01	PID01	349		Item Description Type F – Freeform	1/1	N	M / ID		PID01
	PID02	PID02	750		Product Characteristic Code 73 - Vendor Color Description	2/2	N	M / ID		PID02
	PID05	PID05	352		Color Desc	1/25	N	M / AN		PID05
PID for Product Size - Optional										
	PID01	PID01	349		Item Description Type F – Freeform	1/1	N	M / ID		PID01
	PID02	PID02	750		Product Characteristic Code 74 - Vendor Size Description	2/2	N	M / ID		PID02
	PID05	PID05	352		Size Description	1/25	N	M / AN		PID05
CTT - Mandatory										
		CTT01	354		number of HL occurrences	1/6	N	M / N0 HL segments present in the transaction		
SE - Mandatory										
		SE01	96		Number of Included Segments	1/10	N	M / N0 total number of segments in the transaction including the ST and the SE.		
		SE02	329		Transaction Set Control Number	4/9	N	M / AN control number, same as used in the header-ST02		

856 Ship Notice/Manifest

Functional Group ID=**SH**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Ship Notice/Manifest Transaction Set (856) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to list the contents of a shipment of goods as well as additional information relating to the shipment, such as order information, product description, physical characteristics, type of packaging, marking, carrier information, and configuration of goods within the transportation equipment. The transaction set enables the sender to describe the contents and configuration of a shipment in various levels of detail and provides an ordered flexibility to convey information. The sender of this transaction is the organization responsible for detailing and communicating the contents of a shipment, or shipments, to one or more receivers of the transaction set. The receiver of this transaction set can be any organization having an interest in the contents of a shipment or information about the contents of a shipment.

Notes:

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	010	ST	Transaction Set Header	M	1	
M	020	BSN	Beginning Segment for Ship Notice	M	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 - HLS					1	
001	HL	Hierarchical Level - Shipment Level	M	1		c1
031	TD1	Carrier Details (Quantity and Weight)	M	1		
034	TD5	Carrier Details (Routing Sequence/Transit Time)	M	1		
046	REF	Reference Identification	M	2		
097	DTM	Date/Time Reference	M	2		
100	FOB	F.O.B. Related Instructions	O	1		
LOOP ID - N1					2	
106	N1	Name	M	1		

109	N2	Additional Name Information	O	1	
112	N3	Address Information	M	1	
115	N4	Geographic Location	M	1	
LOOP ID - HLO				1	
163	HL	Hierarchical Level - Order Level	M	1	c2
175	PRF	Purchase Order Reference	M	1	
193	TD1	Carrier Details (Quantity and Weight)	M	1	
208	REF	Reference Identification	M	1	
	N1	Mark-for store Reference / only if no SDQ	X		
LOOP ID - HLP				200000	
322	HL	Hierarchical Level - Pack Level	M	1	c3
418	MAN	Marks and Numbers	M	1	
451	SDQ	Mark-for store Destination Quantity	O	1	
LOOP ID - HLI				200000	
487	HL	Hierarchical Level - Item Level	M	1	c4
490	LIN	Item Identification	M	1	
493	SN1	Item Detail	M	1	
505	PID	Product/Item Description	M	3	

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>
010	CTT	Transaction Totals	M	1		n1
020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. Number of line items (CTT01) is the accumulation of the number of HL segments. If used, hash total (CTT02) is the sum of the value of units shipped (SN102) for each SN1 segment.

Transaction Set Comments

1. The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.
2. The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.
3. The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.
4. The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.

Segment: **ST** Transaction Set Header
Position: 010
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:
Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
ST01	143	Transaction Set Identifier Code		M ID 3/3
		Code uniquely identifying a Transaction Set		
		856 Ship Notice/Manifest		
ST02	329	Transaction Set Control Number		M AN 4/9
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		

Segment: **BSN** Beginning Segment for Ship Notice
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To transmit identifying numbers, dates, and other basic data relating to the transaction set

Syntax Notes: 1 If BSN07 is present, then BSN06 is required.

Comments: 1 BSN06 and BSN07 differentiate the functionality of use for the transaction set.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
<u>Attributes</u>				
BSN01	353	Transaction Set Purpose Code		M ID 2/2
		Code identifying purpose of transaction set		
		00 Original		
BSN02	396	Shipment Identification		M AN 2/22
		A unique control number assigned by the original shipper to identify a specific shipment		
BSN03	373	Date		M DT 8/8
		Date expressed as CCYYMMDD		
BSN04	337	Time		M TM 6/6
		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)		
		Use HHMMSS.		
BSN05	1005	Hierarchical Structure Code		M ID 4/4
		Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set		
		0001 Shipment, Order, Packaging, Item		
		Pick and Pack Structure - multiple UPC's per carton/single SKU		

Segment: **HL Hierarchical Level - Shipment Level**
Position: 001
Loop: HLS Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Syntax Notes:

- Comments:**
- 1 The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data. The HL segment defines a top-down/left-right ordered structure.
 - 2 HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
 - 3 HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
 - 4 HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
 - 5 HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
HL01	628	Hierarchical ID Number		M AN 1/12
		A unique number assigned by the sender to identify a particular data segment in a hierarchical structure		
		The value for the shipment is 1.		
HL03	735	Hierarchical Level Code		M ID 1/12
		Code defining the characteristic of a level in a hierarchical structure		
		S	Shipment	

Segment: **TD1** Carrier Details (Quantity and Weight)
Position: 031
Loop: HLS Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify the transportation details relative to commodity, weight, and quantity

- Syntax Notes:**
- 1 If TD101 is present, then TD102 is required.
 - 2 If TD106 is present, then TD107 is required.
 - 3 If either TD107 or TD108 is present, then the other is required.

Comments:

Data Element Summary

Ref. Des.	Data Element	Name	
Attributes			
TD101	103	Packaging Code Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required CTN Carton 25 Corrugated or Solid	M AN 3/5
TD102	80	Lading Quantity Number of units (pieces) of the lading commodity The number of cartons within the shipment as described in TD101. The 856 must contain the same number of MAN segments with the UCC-128 serial container codes.	M N0 1/12
TD106	187	Weight Qualifier Code defining the type of weight G Gross Weight	M ID 1/2
TD107	81	Weight Numeric value of weight	M R 1/10
TD108	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 <u>LB</u> Pounds	M ID 2/2

Segment: **TD5** Carrier Details (Routing Sequence/Transit Time)
Position: 034
Loop: HLS Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify the carrier and sequence of routing and provide transit time information

Syntax Notes:

- 1 At least one of TD502 TD504 TD505 TD506 or TD512 is required.
- 2 If TD502 is present, then TD503 is required.

Comments:

- 1 When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.

Data Element Summary

Ref. Des.	Data Element	Name	
Attributes			
TD501	133	Routing Sequence Code Code describing the relationship of a carrier to a specific shipment movement O Origin Carrier	M ID 1/2
TD502	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 2 Standard Carrier Alpha Code (SCAC)	M ID 1/2
TD503	67	Identification Code Code identifying a party or other code Free-form Message with Carrier's SCAC	M AN 4/4
TD504	91	Transportation Method/Type Code Code specifying the method or type of transportation for the shipment A Air H Customer Pickup M <u>Full Trailer Load</u> R Rail S Ocean U Private Parcel Service <u>LT</u> <u>Less Than Trailer Load</u>	X ID 1/2

TD505	387	Routing	M AN 1/30
		Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	
TD506	368	Shipment/Order Status Code	X ID 2/2
		Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction	
		CL Complete	
		PR Partial Shipment	
TD512	284	Service Level Code	X ID 2/2
		Code indicating the level of transportation service or the billing service offered by the transportation carrier	
		CG Ground	
		CX Express Service	

Segment: **REF** Reference Identification
Position: 046
Loop: HLS Mandatory
Level: Detail
Usage: Mandatory
Max Use: 2
Purpose: To specify identifying information
Syntax Notes:
Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
<u>Attributes</u>				
REF01	128	Reference Identification Qualifier		M ID 2/3
		Code qualifying the Reference Identification		
		BM Bill of Lading Number		
		CN Carrier's Reference Number (PRO/Invoice)		
REF02	127	Reference Identification		M AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
		You must send at least one REF- BOL or PRO #		

Segment: **DTM** Date/Time Reference
Position: 097
Loop: HLS Mandatory
Level: Detail
Usage: Mandatory
Max Use: 2
Purpose: To specify pertinent dates and times
Syntax Notes:
Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
DTM01	374	Date/Time Qualifier		M ID 3/3
		Code specifying type of date or time, or both date and time		
		011	Shipped	
		017	Estimated Delivery	
DTM02	373	Date		M DT 8/8
		Date expressed as CCYYMMDD		

Segment: **FOB** F.O.B. Related Instructions
Position: 100
Loop: HLS
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify transportation instructions relating to shipment
Syntax Notes:
Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
				Attributes
FOB01	146	Shipment Method of Payment		M ID 2/2
			Code identifying payment terms for transportation charges	
		CC	Collect	
		CF	Collect, Freight Credited Back to Customer	
		PC	Prepaid but Charged to Customer	
		PP	Prepaid (by Seller)	

Segment: **N1** Name
Position: 106
Loop: N1 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 If either N103 or N104 is present, then the other is required.
 2 N103 and N104 Mandatory for ST
Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
<u>Des.</u>				
<u>Attributes</u>				
N101	98	Entity Identifier Code		M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual		
		SF	Ship From	
		ST	Ship To	
N102	93	Name		M 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)		
		92	Assigned by Buyer or Buyer's Agent	
N104	67	Identification Code		X AN 2/4
		Code for Store or Warehouse		

Segment: N2 Additional Name Information
Position: 109
Loop: N1
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify additional names or those longer than 35 characters in length

Syntax Notes:
Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	
<u>Des.</u>	<u>Element</u>		
<u>Attributes</u>			
N201	93	Name Free-form name	M AN 1/60

Segment: N3 Address Information
Position: 112
Loop: N1 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify the location of the named party
Syntax Notes:
Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
<u>N301</u>	166	Address Information	Address information	M AN 1/35
N302	166	Address Information	Address information	O AN 1/35

Segment: **N4 Geographic Location**
Position: 115
Loop: N1 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
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.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
<u>Attributes</u>				
N401	19	City Name		M AN 2/30
			Free-form text for city name	
N402	156	State or Province Code		M ID 2/2
			Code (Standard State/Province) as defined by appropriate government agency	
N403	116	Postal Code		M ID 3/15
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
N404	26	Country Code		O ID 2/3
			Code identifying the country	

Segment: **HL Hierarchical Level - Order Level**
Position: 163
Loop: HLO Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Syntax Notes:

- Comments:**
- 1 The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data. The HL segment defines a top-down/left-right ordered structure.
 - 2 HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
 - 3 HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
 - 4 HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
 - 5 HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
HL01	628	Hierarchical ID Number		M AN 1/12
		A unique number assigned by the sender to identify a particular data segment in a hierarchical structure		
HL02	734	Hierarchical Parent ID Number		M AN 1/12
		Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to		
HL03	735	Hierarchical Level Code		M ID 1/2
		Code defining the characteristic of a level in a hierarchical structure		
		O	Order	

Segment: **PRF** Purchase Order Reference
Position: 175
Loop: HLO Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To provide reference to a specific purchase order
Syntax Notes:
Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>		
<u>Attributes</u>					
PRF01	324	Purchase Order Number		M	AN 1/22
		Identifying number for Purchase Order assigned by the orderer/purchaser			
PRF04	373	Date		M	DT 8/8
		Date expressed as CCYYMMDD			
PRF06		Invoice #		X	AN 1/30
		Matched from REF*IV in the 810			

Segment: **TD1** Carrier Details (Quantity and Weight)
Position: 193
Loop: HLO Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify the transportation details relative to commodity, weight, and quantity

- Syntax Notes:**
- 1 If TD101 is present, then TD102 is required.
 - 2 If TD106 is present, then TD107 is required.
 - 3 If either TD107 or TD108 is present, then the other is required.

Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
<u>Attributes</u>				
TD101	103	Packaging Code		M AN 3/5
		Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required		
		CTN	Carton	
		25	Corrugated or Solid	
TD102	80	Lading Quantity		M N0 1/7
		Number of units (pieces) of the lading commodity		
		The number of cartons within the shipment as described in TD101. The 856 must contain the same number of MAN segments with the UCC-128 serial container codes.		
TD106	187	Weight Qualifier		M ID 1/2
		Code defining the type of weight		
		G	Gross Weight	
TD107	81	Weight		M R 1/10
		Numeric value of weight		
TD108	355	Unit or Basis for Measurement Code		M ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		LB	Pounds	

Segment: **REF** Reference Identification
Position: 208
Loop: HLO Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify identifying information
Syntax Notes:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
<u>Attributes</u>				
REF01	128	Reference Identification Qualifier		M ID 2/3
		Code qualifying the Reference Identification		
		DP Department Number		
REF02	127	Reference Identification		M AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

Segment: **N1 Final Destination**
Position: 106
Loop: N1 Optional unless mark-for and no SDQ
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify the final destination the carton is for
Syntax Notes:

Comments: 1 Mandatory - if mark-for store and no SDQ used

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
N101	98	Entity Identifier Code		M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			BY Final destination	
N102	93	Name		M AN 1/60
			Free-form name	
N103	66	Identification Code Qualifier		M ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			92 Assigned by Buyer or Buyer's Agent	
N104	67	Identification Code		M AN 2/4
			Code for final destination / Mark-for Store or Distribution Center	

Segment: **HL Hierarchical Level - Pack Level**
Position: 322
Loop: HLP Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Syntax Notes:

- Comments:**
- 1 The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data. The HL segment defines a top-down/left-right ordered structure.
 - 2 HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
 - 3 HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
 - 4 HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
 - 5 HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
HL01	628	Hierarchical ID Number		M AN 1/12
		A unique number assigned by the sender to identify a particular data segment in a hierarchical structure		
HL02	734	Hierarchical Parent ID Number		M AN 1/12
		Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to		
HL03	735	Hierarchical Level Code		M ID 1/2
		Code defining the characteristic of a level in a hierarchical structure		
		P	Pack	

Segment: **MAN** Marks and Numbers
Position: 418
Loop: HLP Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To indicate identifying marks and numbers for shipping containers
Syntax Notes:

- 1 If either MAN04 or MAN05 is present, then the other is required.
- 2 If MAN06 is present, then MAN05 is required.

Comments:

- 1 When MAN01 contains code "UC" (U.P.C. Shipping Container Code) and MAN05/MAN06 contain a range of ID numbers, MAN03 is not used. The reason for this is that the U.P.C. Shipping Container code is the same on every carton that is represented in the range in MAN05/MAN06.
- 2 MAN03 and/or MAN06 are only used when sending a range(s) of ID numbers.
When both MAN02/MAN03 and MAN05/MAN06 are used to send ranges of ID numbers, the integrity of the two ID numbers must be maintained.

Data Element Summary

Ref.	Data	Element	Name	M	AN
<u>Des.</u>	<u>Element</u>	<u>Name</u>			
Attributes					
MAN01	88	Marks and Numbers Qualifier		M	ID 1/2
		Code specifying the application or source of Marks and Numbers (87)			
		GM	SSCC-18 and Application Identifier		
MAN02	87	Marks and Numbers		M	AN 1/30
		Marks and numbers used to identify a shipment or parts of a shipment			
MAN03	87	Marks and Numbers		<u>O</u>	AN 1/30
		Enter Pick Ticket here			
MAN04	88	Marks and Numbers Qualifier		X	ID 1/2
		Code specifying the application or source of Marks and Numbers (87)			
		CP	Carrier-Assigned Package ID Number		
MAN05	87	Marks and Numbers		X	AN 1/30
		Marks and numbers used to identify a shipment or parts of a shipment			

Segment: **SDQ** Destination Quantity
Position: 451
Loop: HLP Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify destination and quantity detail
Syntax Notes:
Comments: 1 Mandatory for mark for orders unless N1*BY used

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
Attributes				
SDQ01	355	Unit or Basis for Measurement Code		M ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		CT	Carton	
SDQ02	66	Identification Code Qualifier		M ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)		
		92	Assigned by Buyer or Buyer's Agent	
SDQ03	67	Identification Code		M AN 2/4
		Code identifying a party or other code		
		Store number - ultimate destination of carton		
SDQ04	380	Quantity		M R 1/1
		Numeric value of quantity		
		constant value of "1"		

Segment: **HL Hierarchical Level - Item Level**
Position: 487
Loop: HLI Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Syntax Notes:

- Comments:**
- 1 The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data. The HL segment defines a top-down/left-right ordered structure.
 - 2 HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
 - 3 HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
 - 4 HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
 - 5 HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
HL01	628	Hierarchical ID Number		M AN 1/12
		A unique number assigned by the sender to identify a particular data segment in a hierarchical structure		
HL02	734	Hierarchical Parent ID Number		M AN 1/12
		Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to		
HL03	735	Hierarchical Level Code		M ID 1/2
		Code defining the characteristic of a level in a hierarchical structure		
		I	Item	

Segment: **LIN** Item Identification
Position: 490
Loop: HLI Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify basic item identification data
Syntax Notes: 1 If either LIN04 or LIN05 is present, then the other is required.
 2 If either LIN06 or LIN07 is present, then the other is required.

Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
<u>Des.</u>				
<u>Attributes</u>				
LIN01	350	Assigned Identification		O AN 1/6
		Alphanumeric characters assigned for differentiation within a transaction set		
		Line Sequence Number		
LIN02	235	Product/Service ID Qualifier		M ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		UP UPC		
LIN03	234	Product/Service ID		M AN 1/15
		Identifying number for a product or service		
LIN04	235	Product/Service ID Qualifier		M ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		ST Style		
LIN05	234	Product/Service ID		M AN 1/20
		Identifying number for a product or service		
LIN06	235	Product/Service ID Qualifier		M ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		SK Stock Keeping Unit (SKU)		
LIN07	234	Product/Service ID		M AN 1/30
		Identifying number for a product or service		

Segment: SN1 Item Detail
Position: 493
Loop: HLI Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify line-item detail relative to shipment
Syntax Notes: 1 If either SN105 or SN106 is present, then the other is required.
Comments: 1 SN103 defines the unit of measurement for both SN102 and SN104.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
Attributes				
SN102	382	Number of Units Shipped		M R 1/12
		Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set		
SN103	355	Unit or Basis for Measurement Code		M ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		EA	Each	
SN105	330	Quantity Ordered		X R 1/12
		Quantity ordered		
SN106	355	Unit or Basis for Measurement Code		X ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		EA	Each	

Segment: **PID** Product/Item Description
Position: 505
Loop: HLI Mandatory
Level: Detail
Usage: Mandatory
Max Use: 3
Purpose: To describe a product or process in coded or free-form format
Syntax Notes:

Comments:

Data Element Summary			
<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>
<u>Des.</u>			
<u>Attributes</u>			
PID01	349	Item Description Type	M ID 1/1
		Code indicating the format of a description	
		F Free-form	
PID02	750	Product/Process Characteristic Code	M ID 2/3
		Code identifying the general class of a product or process characteristic	
		08 Product	
		73 Vendor color description	
		74 Vendor size description	
PID05	352	Description	M AN 1/25
		A free-form description to clarify the related data elements and their content	

Segment: **CTT Transaction Totals**
Position: 010
Loop:
Level: Summary
Usage: Mandatory
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.
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>Des.</u>	<u>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

Segment: **SE** Transaction Set Trailer
Position: 020
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:

Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

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

Document General Information - 810

Doc. #810 Type IN Document Name INVOICE Direction TP to HUB

PARTIAL ORDER Vendors are allowed to ship partial orders and invoice for each shipment.

FILLS: The remaining products on the original PO will remain open, allowing the vendor to complete the shipment and invoice for the remaining quantities, if appropriate. Only until cancellation date.

INVOICE: The PO and Pick Ticket number are the matching indicators in Olympia's AP system. The invoice, must match product codes and quantities indicated on the ASN. Additional line items or changes to the Invoice will not be allowed.

MULTIPLE POs: Only one PO per invoice per ASN per shipment is allowed.

INVOICE NUMBERS: Invoice numbers are not allowed to be reused.

EDITIBILITY: The Invoice must exactly match the ASN as to the quantity and information Product Codes. There will be no exceptions. Header information must also match.

Functional Requirements:

- The ASN number must be present on Invoice to allow Olympia Sports the ability to reference back to cartons received. The BSN02, from the ASN, should match to the REF*SI, on the 810 or the REF*IV, from the 810, to match the PRF06, on the 856.

Matrix – 810 Invoice

Sourced from:				Data Element Dictionary	"What's this?" notes	Description	Min/Max	Edit Y/N	Attributes / Notes M=Mandatory, O=optional, X=conditional elements within the Segment
Supplier	850	856	Segment/Element 810						
ST - Mandatory									
			ST01	143		Trans Set ID Code 810	3/3	N	M / ID
			ST02	329		Control Number	4/9	N	M / AN
BIG - Mandatory									
			BIG01	373		Invoice Date - CCYYMMDD	8/8	Y	M / DT
			BIG02	76		Invoice Number	1/6	Y	M / AN
	BEG05		BIG03	373		PO Date	8/8	N	M / DT
	BEG03	PRF01	BIG04	324		PO Number	1/9	N	M / DT
CUR - Optional									
	CUR01		CUR01	98		Entity ID Code BY - Buyer	2/3	N	M / ID
	CUR02		CUR02	100		Currency Code	3/3	N	M / ID
REF - Optional									
			REF01	128		Reference Qualifier IT – Internal Customer#	2/2	N	M / ID
			REF02	127	Olympia Account #	Reference Identification	1/30	N	M / AN
REF = Mandatory									
		REF01	REF01	128		Reference Qualifier BM – Bill of Lading Number	2/2	N	M / ID
		REF02	REF02	127	BOL#	Reference Identification	1/30	N	M / AN
REF- Optional									
			REF01	128		Reference Qualifier IV – Sellers Number	2/2	N	M / ID
		<u>MAN03</u>	REF02	127	Pick Ticket	Reference Identification	1/30	N	M / AN
REF- Mandatory									
			<u>REF01</u>	<u>128</u>	-	<u>Reference Qualifier SI – Shipment Number</u>	<u>2/2</u>	<u>N</u>	<u>M / ID</u>
-		<u>BSN02</u>	<u>REF02</u>	<u>127</u>	ASN #	<u>Reference Identification</u>	<u>1/22</u>	<u>N</u>	<u>M / AN</u>

PER-Optional									
			PER01	366		Contact Function Code AR -Accounts Receivable	2/2	N	M / ID
			PER02	93	AR Contact	Name	1/30	Y	M / AN
			PER03	365		Communication Number Qualifier TE - Telephone	2/2	N	M / ID
			PER04	364	Phone #	Communication Number	1/15	Y	M / AN
N1 LOOP 4 occurrences									
N1- Ship TO - Mandatory									
	N101	N101	N101	98		Entity ID Code ST - Ship To	2/2	N	M / ID
	N102	N102	N102	93	Ship To:	Name	1/60	N	M / AN
	N103	N103	N103	66		ID code qualifier 92 – Assigned by the Buyer	1/2	N	M / ID
	N104	N104	N104	67	Location #	ID Code	2/15	N	M / AN
N2 - Optional									
	N201	N201	N201	93		Additional Name	1/60	N	M / AN
N3 - Mandatory									
	N301	N301	N301	166		Address Info	1/35	N	M / AN
	N302	N302	N302	166		Address Info	1/35	N	O / AN
N4 - Mandatory									
	N401	N401	N401	19		City Name	2/30	N	M / AN
	N402	N402	N402	156		State	2/2	N	M / AN
	N403	N403	N403	116		Postal Code	3/15	N	M / AN
	N404	N404	N404	26		Country Code	2/3	N	O / ID
N1- Vendor Mandatory									
		N101	N101	98		Entity ID Code VN - Vendor	2/2	N	M / ID
		N102	N102	93	Vendor	Name	1/60	N	M / AN
N2 - Optional									
		N201	N201	93		Additional Name	1/60	N	M / AN
N3 - Mandatory									
		N301	N301	166		Address Info	1/35	N	M / AN
		N302	N302	166		Address Info	1/35	N	O / AN

N4 - Mandatory									
		N401	N401	19		City Name	2/30	N	M / AN
		N402	N402	156		State	2/2	N	M / AN
		N403	N403	116		Postal Code	3/15	N	M / AN
		N404	N404	26		Country Code	2/3	N	O / ID
N1 – Remit To-Optional	If a “Remit To” N1 loop is used then N1,N3 and N4 become Mandatory								
			N101	98		Entity ID Code RE - Remit To	2/2	Y	M / ID
			N102	93	Remit To:	Name	1/60	Y	M / AN
			N103	66		ID code qualifier 1=DUNS or 9=DUNS+4	1/2	Y	M / ID
			N104	67	DUNS #	ID Code	2/15	Y	M / AN
N2 - Optional									
			N201	93		Additional Name	1/60	Y	M / AN
N3 – O – see note above									
			N301	166		Address Info	1/35	Y	M / AN
			N302	166		Address Info	1/35	Y	O / AN
N4 – O – see note above									
			N401	19		City Name	2/30	Y	M / AN
			N402	156		State	2/2	Y	M / AN
			N403	116		Postal Code	3/15	Y	M / AN
			N404	26		Country Code	2/3	Y	O / ID
N1 Marked For - Optional									
			N101	98		Entity ID Code BY – Mark For Party	2/2	N	M / ID
Olympia Sports			N102	93	Marked for:	Name	1/60	N	M / AN
			N103	66		ID code qualifier 92 -Assigned by Buyer	1/2	N	M / ID
		SDQ03	N104	67	Store #	ID Code	2/15	N	M / AN

ITD - Mandatory									
			ITD01	336	"This field represents the terms payment type. If not pre-populated, select the code that matches your terms"	Terms Type Code 01 - Basic 02 - End of Month (EOM) 05 - Discount not Applicable 08 - Basic Discount offered 41 - Letter of Credit	2/2	N	O / R
			ITD03	338		Terms Discount Percent	1/6	N	O / R
			ITD05	351		Terms Discount Days Due	1/3	N	X / DT
	ITD12		ITD12	352	Terms	Description	1/30	N	M / AN
DTM - Mandatory									
		DTM01	DTM01	374		Date/Time Qualifier 011 - Shipped	3/3	N	M / ID
		DTM02	DTM02	373		To Land Date - CCYYMMDD	8/8	N	M / DT
FOB - Optional									
		FOB01	FOB01	146		Method of Payment for Shipment(s) CC - Collect CF - Collect, Freight Credited Back to customer PC - Prepaid but Charged to Customer PP - Prepaid (by seller) MX -Mixed	2/2	N	M / ID
IT1 - Mandatory									
	PO101		IT101	350	Line #	Assigned ID	1/20	N	O / ID
		SN102	IT102	358	total of ASN SN102 segments by each item UPC	Quantity Invoiced for each item UPC	1/10	N	M / R
			IT103	355		Unit of measure code EA - Each	2/2	N	M / ID
	PO104_or <u>SLN06</u>		IT104	212		Unit Price	1/15	N	M / R
			IT105	639		Basis of Unit Price WE - Wholesale Price per Each	2/2	N	M / ID
	PO106_or <u>SLN09</u>	LIN02	IT106	235		Prod ID qualifier UP - UPC	2/2	N	M / ID
	PO107_or <u>SLN10</u>	LIN03	IT107	234	UPC #	ID Number	1/15	N	M / AN
	PO108	LIN04	IT108	235		Prod ID qualifier ST - Style	2/2	N	M / ID
	PO109	LIN05	IT109	234	Style #	ID Number	1/20	N	M / AN
	PO110	LIN06	IT110	235		Prod ID qualifier SK - SKU	2/2	N	M / ID
	PO111	LIN07	IT111	234	9 digit SKU #	ID Number	1/30	N	M / AN

PID Loop = Mandatory									
PID for Product Description = Mandatory									
	PID01	PID01	PID01	349		Item Description Type F – Freeform	1/1	N	M / ID
	PID02	PID02	PID02	750		Product Characteristic Code 08 – Product Description	2/2	N	M / ID
	PID05	PID05	PID05	352	Item	Description	1/25	Y	M / AN
PID for Product Color = Optional									
	PID01	PID01	PID01	349		Item Description Type F – Freeform	1/1	N	M / ID
	PID02	PID02	PID02	750		Product Characteristic Code 73 -Vendor Color Description	2/2	N	M / ID
	PID05	PID05	PID05	352	Color	Description	1/25	Y	M / ID
PID for Product Size - optional									
	PID01	PID01	PID01	349		Item Description Type F – Freeform	1/1	N	M / ID
	PID02	PID02	PID02	750		Product Characteristic Code 74 - Vendor Size Description	2/2	N	M / ID
	PID05	PID05	PID05	352	Size	Description	1/25	Y	M / ID
TDS - Mandatory									
Unit price x qty No charge or allow in calculation			TDS01	610	Invoice total No charge or Allowance	Monetary Amount	1/10	Y	M / N2
CAD - Optional									
		TD504	CAD01	91		Transportation Method/Type Code A -Air H -Customer Pickup LT -Less Than Trailer M -Full Trailer Load R -Rail S -Ocean U -Private Parcel Service	1/2	Y	O / ID
		TD503	CAD04	140	Carriers SCAC code	Standard Carrier Alpha Code	4/4	Y	X / ID
		TD505	CAD05	387	name of the carrier that moved the merchandise. Should correspond to the SCAC entered	Routing	1/30	Y	X / AN

SAC - Optional									
			SAC01	248	Select "A" if an Allowance, "C" if a charge	Allowance or Charge Indicator A - Allowance C - Charge	1/1	Y	M / ID
			SAC02	1300	Allowance/ Charge type	Service Code D240 - Freight B210 - Co-op Credit F050 - Other	4/4	Y	M / ID
			SAC05	610	amount of the Allowance or Charge. Not use if Percent used	Amount	1/15	Y	O / N2
			SAC06	378		Percent qualifier 6 - Base Price Amount 5 - Base Price per Unit	1/1	Y	X / ID
			SAC07	332	percent of allowance or charge. Not used if Amount entered	Percent	1/5	Y	X / R
			SAC12	331	How Allowance or charge applied	Method of Handling Code 02 - Off Invoice	2/2	Y	O / ID
			SAC15	352	description of allowance or charge	Description	1/45	Y	X / AN
ISS- Optional									
			ISS01		Total units shipped in EA	Number of Units Shipped in eaches	1/10	Y	X / R
			ISS02			UOM EA - Eaches	2/2	N	X / ID
			ISS03			Weight	1/10	Y	X / R
			ISS04			Weight UOM LB - Pounds	2/2	N	X / ID
CTT - Mandatory									
			CTT01	354		Number of line items	1/6	N	M / N0
SE - Mandatory									
			SE01	96		Number of Included Segments	1/10	N	M / N0 When used in the SE segment the count includes the total number of segments in the transaction including the ST and the SE.
			SE02	329		Transaction Set Control Number	4/9	N	M / AN The transaction set control number (SE02) is the same that is used in the corresponding header, (ST02).



810 Invoice

Functional Group ID=**IN**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Invoice Transaction Set (810) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the billing for goods and services provided.

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>
010	ST	Transaction Set Header	M	1		
020	BIG	Beginning Segment for Invoice	M	1		
040	CUR	Currency	O	1		
050	REF	Reference Identification	M	4		
060	PER	Administrative Communications Contact	O	1		
LOOP ID - N1					4	
070	N1	Name	M	1		
080	N2	Additional Name Information	O	1		
090	N3	Address Information	M	1		
100	N4	Geographic Location	M	1		
130	ITD	Terms of Sale/Deferred Terms of Sale	M	1		
140	DTM	Date/Time Reference	M	1		
150	FOB	F.O.B. Related Instructions	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 - IT1					200000	
010	IT1	Baseline Item Data (Invoice)	M	1		
LOOP ID - PID					3	
060	PID	Product/Item Description	M	1		

Summary:

<u>Pos.</u>	<u>Seg.</u>	<u>Req.</u>	<u>Loop</u>	<u>Notes and</u>
-------------	-------------	-------------	-------------	------------------

<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Max.Use</u>	<u>Repeat</u>	<u>Comments</u>
010	TDS	Total Monetary Value Summary	M	1		
030	CAD	Carrier Detail	O	1		
LOOP ID - SAC					3	
040	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
LOOP ID - ISS					1	
060	ISS	Invoice Shipment Summary	O	1		
070	CTT	Transaction Totals	M	1		n1
080	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. Number of line items (CTT01) is the accumulation of the number of IT1 segments.

Segment: **ST** Transaction Set Header
Position: 010
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:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
<u>ST01</u>	<u>143</u>	<u>Transaction Set Identifier Code</u>		<u>M ID 3/3</u>
		Code uniquely identifying a Transaction Set Refer to 004010 Data Element Dictionary for acceptable code values.		
<u>ST02</u>	<u>329</u>	<u>Transaction Set Control Number</u>		<u>M AN 4/9</u>
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		

Segment: **BIG** Beginning Segment for Invoice
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates

Syntax Notes:

Data Element Summary				
Ref.	Data	Element	Name	
Des.				
Attributes				
BIG01	373	Date		M DT 8/8
		Date expressed as CCYYMMDD		
BIG02	76	Invoice Number		M AN 1/6
		Identifying number assigned by issuer		
BIG03	373	Date		M DT 8/8
		Date expressed as CCYYMMDD		
		Original PO date		
BIG04	324	Purchase Order Number		M AN 1/9
		Identifying number for Purchase Order assigned by the orderer/purchaser		

Segment: **CUR** Currency
Position: 040
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction

Syntax Notes:

Data Element Summary

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

Segment: **REF** Reference Identification
Position: 050
Loop:
Level: Heading
Usage: Mandatory
Max Use: 4
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.

Data Element Summary

Ref. Des.	Data Element	Name	
<u>Attributes</u> REF01	128	Reference Identification Qualifier	Q ID 2/3
		Code qualifying the Reference Identification	
<u>Mandatory</u>		BM Bill of Lading Number	
<u>Optional</u>		IT Internal Customer Number	
<u>Optional</u>		IV Seller's Invoice Number	
<u>Mandatory</u>		SI <u>Shipper's Identifying Number for Shipment</u>	
REF02	127	Reference Identification	Q AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
		IT= Olympia Account number	
		IV=Pick Ticket number	
		<u>SI=ASN number (enter the number from Ship Notice being invoiced)The ASN number has a max length of 22.</u>	
		The <u>ASN</u> number <u>is</u> required.	

Segment: **PER** Administrative Communications Contact
Position: 060
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a person or office to whom administrative communications should be directed

Syntax Notes:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
<u>Attributes</u>				
PER01	366	Contact Function Code		M ID 2/2
		Code identifying the major duty or responsibility of the person or group named		
		AR	Accounts Receivable Department	
PER02	93	Name		M AN 1/30
		Free-form name		
PER03	365	Communication Number Qualifier		M ID 2/2
		Code identifying the type of communication number		
		TE	Telephone	
PER04	364	Communication Number		M AN 1/15
		Complete communications number including country or area code when applicable		

Segment: N1 Name
Position: 070
Loop: N1
Level: Heading
Usage: Mandatory
Max Use: 1 per loop
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.
Notes: Ship To and Vendor information are required

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
<u>Des.</u>				
<u>Attributes</u>				
N101	98	Entity Identifier Code		M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
		RE	Party to receive commercial invoice remittance	
		ST	Ship To	
		VN	Vendor	
		BY	Final Destination Store – required mark-for only	
			BY - no address required N2 – N4	
N102	93	Name		M AN 1/60
			Free-form name	
N103	66	Identification Code Qualifier		M ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
		1	D-U-N-S Number, Dun & Bradstreet	
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		92	Assigned by Buyer or Buyer's Agent	
N104	67	Identification Code		M AN 2/15
			Code identifying a party or other code	
			For DC shipments enter "099"	
			For <u>direct</u> store shipments enter store number	
			For "Remit To" information enter your Duns number	
			N103/N104 are Optional when sending Vendor name and address (N101=VN)	

Segment: N2 Additional Name Information
Position: 080
Loop: N1
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify additional names or those longer than 35 characters in length

Syntax Notes:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	
M	<u>Attributes</u> N201	93	Name Free-form name	M AN 1/60

Segment: N3 Address Information
Position: 090
Loop: N1
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To specify the location of the named party
Syntax Notes:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
<u>Attributes</u>				
N301	166	Address Information	Address information	M AN 1/35
N302	166	Address Information	Address information	O AN 1/35

Segment: N4 Geographic Location
Position: 100
Loop: N1
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
<u>Attributes</u>				
N401	19	City Name		M AN 2/30
		Free-form text for city name		
N402	156	State or Province Code		M ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency		
N403	116	Postal Code		M ID 3/15
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
N404	26	Country Code		O ID 2/3
		Code identifying the country		

Segment: **ITD** Terms of Sale/Deferred Terms of Sale
Position: 130
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To specify terms of sale
Syntax Notes: 1 If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
Attributes				
ITD01	336	Terms Type Code		O ID 2/2
		Code identifying type of payment terms		
		01	Basic	
		02	End of Month (EOM)	
		05	Discount Not Applicable	
		08	Basic Discount Offered	
		41	Letter of Credit	
ITD03	338	Terms Discount Percent		O R 1/5
		Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date		
ITD05	351	Terms Discount Days Due		X N0 1/3
		Number of days in the terms discount period by which payment is due if terms discount is earned		
ITD12	352	Description		M AN 1/30
		A free-form description to clarify the related data elements and their content		

Segment: **DTM** Date/Time Reference
Position: 140
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To specify pertinent dates and times
Syntax Notes:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
<u>Attributes</u>				
DTM01	374	Date/Time Qualifier		M ID 3/3
		Code specifying type of date or time, or both date and time		
		011	Shipped	
DTM02	373	Date		M DT 8/8
		Date expressed as CCYYMMDD		

Segment: **FOB** F.O.B. Related Instructions
Position: 150
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify transportation instructions relating to shipment
Syntax Notes:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
<u>Attributes</u>				
FOB01	146	Shipment Method of Payment		M ID 2/2
		Code identifying payment terms for transportation charges		
		CC	Collect	
		CF	Collect, Freight Credited Back to Customer	
		MX	Mixed	
		PC	Prepaid but Charged to Customer	
		PP	Prepaid (by Seller)	

Segment: **IT1** **Baseline Item Data (Invoice)**
Position: 010
Loop: IT1 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

- Syntax Notes:**
- 1 If any of IT102 IT103 or IT104 is present, then all are required.
 - 2 If either IT106 or IT107 is present, then the other is required.
 - 3 If either IT108 or IT109 is present, then the other is required.
 - 4 If either IT110 or IT111 is present, then the other is required.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Req.</u>	<u>Max</u>
IT101	350	Assigned Identification		O	AN 1/4
			Alphanumeric characters assigned for differentiation		
			Line Sequence Number		
IT102	358	Quantity Invoiced		M	R 1/10
			Number of units invoiced (supplier units)		
IT103	355	Unit or Basis for Measurement Code		M	ID 2/2
			Code specifying the units in which a value is being expressed		
			EA Each		
IT104	212	Unit Price		M	R 1/15
			Price per unit of product, service, commodity, etc.		
IT105	639	Basis of Unit Price Code		M	ID 2/2
			Code identifying the type of unit price for an item		
			WE Wholesale Price per Each		
IT106	235	Product/Service ID Qualifier		M	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			UP U.P.C. Consumer Package Code (1-5-5-1)		
IT107	234	Product/Service ID		M	AN 1/15
			Identifying number for a product or service		
IT108	235	Product/Service ID Qualifier		M	ID 2/2
			Code identifying the type/source of the descriptive number		
			ST Style Number		
IT109	234	Product/Service ID		M	AN 1/20
			Identifying number for a product or service		
IT110	235	Product/Service ID Qualifier		M	ID 2/2
			Code identifying the type/source of the descriptive number		
			SK Stock Keeping Unit (SKU)		
IT111	234	Product/Service ID		M	AN 1/30
			Identifying number for a product or service		

Segment: **PID** Product/Item Description
Position: 060
Loop: PID
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To describe a product or process in coded or free-form format
Syntax Notes:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
<u>Attributes</u>				
PID01	349	Item Description Type		M ID 1/1
		Code indicating the format of a description		
		F	Free-form	
PID02	750	Product/Process Characteristic Code		M ID 2/3
		Code identifying the general class of a product or process characteristic		
		08	Product	
		73	Vendor color description	
		74	Vendor size description	
PID05	352	Description		M AN 1/25
		A free-form description to clarify the related data elements and their content		

Segment: **TDS** Total Monetary Value Summary
Position: 010
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To specify the total invoice discounts and amounts
Syntax Notes:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
<u>Attributes</u>				
TDS01	610	Amount		M N2 1/10
		Monetary amount		
		Total Invoice Amount - unit price x quantity (no charges or allowances)		

Segment: **CAD** Carrier Detail
Position: 030
Loop:
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To specify transportation details for the transaction
Syntax Notes:

- 1 At least one of CAD05 or CAD04 is required.
- 2 If CAD07 is present, then CAD08 is required.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
<u>Attributes</u>				
CAD01	91	Transportation Method/Type Code		O ID 1/2
		Code specifying the method or type of transportation for the shipment		
		A	Air	
		M	<u>Full Trailer</u>	
		<u>LT</u>	<u>Less Than Trailer</u>	
		R	Rail	
		S	Ocean	
		U	Private Parcel Service	
		<u>H</u>	<u>Customer Pickup</u>	
CAD04	140	Standard Carrier Alpha Code		X ID 2/4
		Standard Carrier Alpha Code		
CAD05	387	Routing		X AN 1/30
		Free-form description of the routing or requested routing for shipment, or the originating carrier's identity		

Segment: SAC Service, Promotion, Allowance, or Charge Information
Position: 040
Loop: SAC Optional
Level: Summary
Usage: Optional – Mandatory if any Allowances or Charges
Max Use: 1
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge
Syntax Notes: 1 If either SAC06 or SAC07 is present, then the other is required.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
<u>Des.</u>				
<u>Attributes</u>				
SAC01	248	Allowance or Charge Indicator		M ID 1/1
		Code which indicates an allowance or charge for the service specified		
		A Allowance		
		C Charge		
SAC02	1300	Service, Promotion, Allowance, or Charge Code		M ID 4/4
		Code identifying the service, promotion, allowance, or charge		
		B210 Co-op Credit		
		D240 Freight		
		F050 Other (See related description)		
SAC05	610	Amount		O N2 1/15
		Monetary amount		
SAC06	378	Allowance/Charge Percent Qualifier		X ID 1/1
		Code indicating on what basis allowance or charge percent is calculated		
		5 Base Price per Unit		
		6 Base Price Amount		
SAC07	332	Percent		X R 1/5
		Percent expressed as a percent		
SAC12	331	Allowance or Charge Method of Handling Code		O ID 2/2
		Code indicating method of handling for an allowance or charge		
		02 Off Invoice		
SAC15	352	Description		X AN 1/45
		A free-form description to clarify the related data elements and their content		

Segment: **ISS Invoice Shipment Summary**
Position: 060
Loop: ISS Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To specify summary details of total items shipped in terms of quantity, weight, and volume

- Syntax Notes:**
- 1 At least one of ISS01 ISS03 or ISS05 is required.
 - 2 If either ISS01 or ISS02 is present, then the other is required.
 - 3 If either ISS03 or ISS04 is present, then the other is required.

Data Element Summary

Ref.	Data	Name	
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
<u>Attributes</u>			
ISS01	382	Number of Units Shipped	X R 1/10
		Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	
		Total Quantity invoiced	
ISS02	355	Unit or Basis for Measurement Code	X ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		<u>EA</u> <u>Eaches</u>	
ISS03	81	Weight	X R 1/10
		Numeric value of weight	
ISS04	355	Unit or Basis for Measurement Code	X ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		<u>LB</u> Pounds	

Segment: **CTT** Transaction Totals
Position: 070
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
<u>Attributes</u>				
CTT01	354	Number of Line Items		M N0 1/6
		Total number of line items in the transaction set		

Segment: **SE** Transaction Set Trailer
Position: 080
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:

Data Element Summary

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

Bar Code Specifications

Drawing not to scale

FROM: Shipping From Street address City, ST Zip Code	TO: Olympia Sports DC #099 5 Bradley Drive Westbrook, ME 04092
(420)Ship To Postal Code: 99889 	Store # 089
BOL#:123456789 PO #: 054789 Carrier: YELLOW Freight	
Style: 986544 QTY: 20 SKU: 156464 Box: 1 of 2	
Serial Shipping Container Code (00) 012345678901234567 	

The Ship From: Vendor address, SF segments on the 856	The Ship To: store address, ST segments on the 850/856/810
--	---

The Marked For Store #, from the SDQ segment, 850/856, if RL.
 The N104 of ST if SA, 850/856/810

BOL# - bill of lading 856 & 810 REF*BM
 PO# - PO#
 850 - BEG02; 856 - PRF01; 810 - BIG04
 Carrier – who moving product

Style – your item # , our style #
 850 – PO109; 856- LIN04; 810 – IT109
 SKU – our 9 digit SKU#
 850 – PO111; 856 - LIN07; 810 - IT111
 Box count - 1 of total
 Qty - # of pieces in box

From 856 MAN02
 with Barcode

HUB Label Requirements

Bar Code Field:

- * All bar coded data will use the UCC/EAN-128 symbology

Human Readable Field:

- * Text labels are required above each bar code
- * Font size should be as large as possible to fit within zone and consistent among zones where appropriate. The zones that contain carrier data and item information should be the same (or very similar sized font as the zones are similar).

Print Quality:

- * Use only white bar code label stock
- * Use only black non-reflective print for bar code
- * Frequently monitor bar code print quality

Position:

- Labels must be placed in upper right hand corner of box
- Labels must print vertically 4x6

SSCC-18

SSCC (Serial Shipping Container Code) is stored in a fixed length data structure of 18 digits. This serialized identification is sometimes referred to as the license plate. Once assigned to a shipping container, an SSCC number shall not be used to identify another shipping container for a minimum of 12 months from the time it is shipped to a trading partner. The SSCC will be preceded by the 2 character AI (Application Identifier)

The format of the SSCC-18 is as follows:

Position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
SSCC	E	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	C

E – Extension Digit, position 1: replaces Packaging Type. The Extension digit has no defined logic, and is available to the member company to increase the capacity of the Serial Reference.

N – holds positions 2 – 17: is a unique number consisting of two parts: the EAN.UCC company prefix assigned by the UCC or EAN to a member company, and a Serial Reference assigned by the member company to identify any one shipping container, e.g., case, pallet.

C – Check Digit, position 18: is calculated from the data provided in the previous digit positions using a specific algorithm (see example below):

Algorithm

Positions	N ₁	N ₂	N ₃	N ₄	N ₅	N ₆	N ₇	N ₈	N ₉	N ₁₀	N ₁₁	N ₁₂	N ₁₃	N ₁₄	N ₁₅	N ₁₆	N ₁₇	N ₁₈
Number without check digit	3	7	6	1	0	4	2	5	0	0	2	1	2	3	4	5	6	
Step 1: Multiply by	3	1	3	1	3	1	3	1	3	1	3	1	3	1	3	1	3	
Step 2: Add results	9	7	18	1	0	4	6	5	0	0	6	1	6	3	12	5	18	= 101
Step 3: Subtract sum from nearest multiple of 10 (110). 110 – 101 = 9. Check Digit = 9																		
Number with check digit	3	7	6	1	0	4	2	5	0	0	2	1	2	3	4	5	6	9
Positions	N ₁	N ₂	N ₃	N ₄	N ₅	N ₆	N ₇	N ₈	N ₉	N ₁₀	N ₁₁	N ₁₂	N ₁₃	N ₁₄	N ₁₅	N ₁₆	N ₁₇	N ₁₈
Number without check digit	3	7	6	1	0	4	2	5	0	0	2	1	2	3	4	5	6	
Step 1: Multiply by	3	1	3	1	3	1	3	1	3	1	3	1	3	1	3	1	3	
Step 2: Add results	9	7	18	1	0	4	6	5	0	0	6	1	6	3	12	5	18	= 101
Step 3: Subtract sum from nearest multiple of 10 (110). 110 – 101 = 9. Check Digit = 9																		
Number with check digit	3	7	6	1	0	4	2	5	0	0	2	1	2	3	4	5	6	9