POLARIS
COMMERCIAL WAREHOUSING

CLIENT PORTAL
EDI AND API REFERENCE GUIDE

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EDI Document Type Overview

Below is an overview of all the EDI Documents natively supported by Polaris Commercial Warehousing (PCW). This overview includes the document type, the direction of the transaction in the context of PCW, the purpose of the transaction, and what kind of impact each one has in PCW's WMS.

Note: Any standard segments or elements not listed here can be considered optional. They will be ignored by the core EDI mapping, but may be accessed by user-scripts for customized mapping

Document #	Name	Direction	Purpose	Event	PCW Impact	Other Notes
810	Invoice	Outbound	The invoice for an order	Sent after an order (from 850) is shipped		
850	Purchase Order	Inbound	Place a new order		Creates an Order	
855	Purchase Order Acknowledgement	Outbound	Acknowledge an 850 was received	Sent after inbound 850 is received		
856	Advance Shipment Notice	Outbound	Inform client an order has been shipped	Sent after order (from 850) is shipped		
860	Purchase Order Change Request	Inbound	Change an order		Update an Order	Add items Change items Change quantity
865	Purchase Order Change Acknowledgement	Outbound	Accept or reject change of order (860)	Response to 860		AI = Add Additional Item PC = Price Change PQ = Quantity Change
888	Item Maintenance	Inbound	Update details about an item		Updates an item	The following item fields can be changed: Length Width Height Weight Item Description
940	Warehouse Shipping Order	Inbound	Place a new order		Creates an order	Similar to an 850

943	Warehouse Stock Transfer Shipment Advice	Inbound	Create an ASN		Creates an ASN	
944	Warehouse Stock Transfer Receipt Advice	Outbound	Inform client an ASN has been fully received.	Sent after ASN (from 943) has been fully received.		
945	Warehouse Shipping Advice	Outbound	Inform client an order has been shipped	Sent after order (from 940) is shipped.		Similar to an 856
Unknown	Any inbound unknown document	Inbound	Allows user to place a script for any unknown inbound document to allow processing			We can build custom code for unknown types.

810 – Invoice

PCW Baseline Mapping - Outbound 810 - Invoice			
Segment	**Element**	**Purpose**	**Comments**
BIG	01	Date	
BIG	02	Invoice Number	
BIG	04	PO Number	
N1	01	Address Qualifier	BT = Bill To
N1	02	Company Name	
N1	04	Address Identifier	Customer
N2	01	Attention	
N3	01	Street	
N3	02	Street 2	
N3	03	Street 3	For International, put province/region here.
N4	01	City	
N4	02	State	For US addresses only.
N4	03	Zip/Postal Code	
N4	04	Country	2-letter abbreviation
DTM	02	Date Shipped	
IT1	02	Quantity Invoiced	

IT1	03	Unit of Measure	EA = Each
IT1	04	Unit Sell Price	
IT1	06	Product ID Qualifier	SK = SKU - PCW SKU
IT1	07	Product ID	SKU for line item
IT1	08	Product ID Qualifier	BP = Buyer Part Number
IT1	09	Product ID	Buyer Part Number for item
PID	01	Item Description Qualifier	F = Freeform Description
PID	05	Item Description	
TDS	01	Order Total	
ISS	01	Total Qty Invoiced	

850 - Purchase Order

PCW Baseline Mapping - Inbound 850 - Purchase Order			
Segment	**Element**	**Purpose**	**Comments**
BEG	01	Transaction Set Purpose Code	
BEG	02	Purchase Order Type Code	
BEG	03	Purchase Order Number	
BEG	05	PO DATE	(YYYYMMDD)
REF	01	Reference Identification Qualifier	3P = Third Party Parcel Account Id AB = Authorized By AO = Alcohol Order Type BT = Batch No CC = Cost Center CP = Customer PO No DC = Distribution Channel DV = Division HC = Hold Code IP = Integration Partner Id IT = Order Invoice Template Id MC = Media Code OE = Order Confirmation Email Template Id OS = Order Source Id PA = Parcel Account Id PC = Priority Code PT = Packing Slip Template Id R1 = Parcel Label Ref 1 R2 = Parcel Label Ref 2 R3 = Parcel Label Ref 3

			SE = Shipment Confirmation Email Template Id ST = Service Type Id
REF	02	Reference Identification	See REF01
DTM	01	Date Qualifier	002 = Deliver On Date 037 = First Ship Date 038 = Last Ship Date 106 = Need By Date
DTM	02	Date	See DTM01 (YYYYMMDD)
TD5	02	Identification Code Qualifier	All standard valid codes To use PCW carrier codes, use ZZ.
TD5	03	Carrier Code	See PCW list of accepted carrier codes
TD5	05	Carrier Description	Free form text name of carrier
N9	01	Message Qualifier	GFT = Gift Message OAI = Order Assembly Instructions
N9	02	Message	See N901
MSG	01	Order message	
N1	01	Address Qualifier	BT = Bill To ST = Ship To SF = Ship From
N1	02	Company Name	
N1	03	Identification Code Qualifier	ZZ
N1	04	Address Identifier	Customer No when N101 = BT Warehouse Id when N101 = SF
N2	01	Attention	
N3	01	Street	
N3	02	Street 2	
N3	03	Street 3	For International, put province/region here.
N4	01	City	
N4	02	State	For US addresses only.
N4	03	Zip/Postal Code	
N4	04	Country	2-letter abbreviation
PER	01	Contact Function Code	PCW will only use the first PER segment in the N1 loop. If additional PER segments are sent, they will be ignored.
PER	03	Contact Qualifier	TE = Telephone Number
PER	04	Telephone Number	

PER	05	Contact Qualifier	EM = Email Address
PER	06	Email Address	
PO1	02	Order Quantity	Line Item Loop
PO1	03	Unit of Measure	EA = Each
PO1	04	Unit Sell Price	
PO1	06	Product ID Qualifier	SK = SKU - PCW SKU
PO1	07	Product ID	SKU for line item
PO1	08	Product ID Qualifier	BP = Buyer Part Number
PO1	09	Product ID	Buyer Part Number for item
PID	01	Item Description Qualifier	F = Freeform Description OAI = Order Assembly Instructions for item
PID	05	Item Description	See PID01
SAC	01	Charge or Allowance	A = Allowance
SAC	02	Charge or Allowance Qualifier	C310 = Unit Discount Amount for Item
SAC	05	Unit Discount Amount for Item	
AMT	01	Amount Qualifier	DC = Distribution Charges SH = Shipping Charge T = Tax TT = Total D8 = Total Discount
AMT	02	Amount	See AMT01

855 - Purchase Order Acknowledgement

PCW Baseline Mapping - Outbound 855 - PO Acknowledgement			
Segment	Element	Purpose	Comments
BAK	02	Acknowledgment Type	AK = Acknowledge - No Detail or Change RJ = Rejected - No Detail
BAK	03	PO Number	
BAK	04	PO Date	(YYYYMMDD)
BAK	08	Reference Identification	PCW Order number
REF	02	Reference Identification Qualifier	LOB = Line of Business - qualifies client for transaction
REF	03	Reference Identification	LOB for order
PO1	02	Quantity Ordered	
PO1	06	Product ID Qualifier	SK = SKU - PCW SKU

PO1	07	Product ID	SKU for line item
ACK	01	Line Item Status	AC = Item Accepted
ACK	02	Quantity	
CTT	01	Number of Line Items	
CTT	02	Sum of Quantity Ordered	

856 - Advance Shipment Notification

PCW Baseline Mapping - Outbound 856 - Advance Shipment Notification				
HL Loop	Segment	Element	Purpose	Comments
N/A	BSN	02	Shipment Identifier	
N/A	BSN	03	Date of shipment	(YYYYMMDD)
N/A	BSN	04	Time of shipment	(HMMSS)
S	TD1	01	Packaging Code	CTN = Carton PLT = Pallet
S	TD1	02	Lading Quantity	Number of Cartons or Pallets
S	TD1	06	Weight Qualifier	N = Net Weight
S	TD1	07	Weight	
S	TD1	08	Unit	LB = Pounds
S	TD5	02	Identification Code Qualifier	2 = SCAC ZZ = non-standard carrier
S	TD5	03	Identification Code	SCAC code when TD502 = 2 Free-form carrier description when TD502 = ZZ
S	REF	01	Identification Code Qualifier	LOB = Line of Business Identifier BM = Bill of Lading Number
S	REF	02	Identification Code	See REF01
S	N1	01	Identification Code Qualifier	SF = Ship From ST = Ship To
S	N1	02	Name	
S	N4	01	City	
S	N4	02	State	
S	N4	03	Zip	
S	N4	03	Country	
O	PRF	01	Purchase Order Number	

P	REF	01	Identification Code Qualifier	CN = Carton or Pallet Tracking Number GM = SSCC-18 number
P	REF	02	Identification Code	See REF01
I	LIN	01	Product ID Qualifier	SK = SKU - PCW SKU HL***I loop only used when Cartonization-level data is known within PCW
I	LIN	02	Product ID	SKU for line item
I	SN1	02	Quantity Shipped	
I	SN1	03	Unit of Measure	EA = Each
I	PID	01	Description Qualifier	F = Freeform Text
I	PID	05	Description	Item Description

860 - Purchase Order Change Request

PCW Baseline Mapping - Inbound 860 - Purchase Order Change			
Segment	**Element**	**Purpose**	**Comments**
BCH	01	Transaction Set Purpose Code	01 = Cancellation 04 = Change
BCH	03	Purchase Order Number	
REF	01	Reference Identification Qualifier	LOB = LOB Id 3P = Third Party Parcel Account Id AB = Authorized By AO = Alcohol Order Type BT = Batch No CC = Cost Center CP = Customer PO No DC = Distribution Channel DV = Division HC = Hold Code IP = Integration Partner Id IT = Order Invoice Template Id MC = Media Code OE = Order Confirmation Email Template Id OS = Order Source Id PA = Parcel Account Id PC = Priority Code PT = Packing Slip Template Id R1 = Parcel Label Ref 1 R2 = Parcel Label Ref 2 R3 = Parcel Label Ref 3

			SE = Shipment Confirmation Email Template Id ST = Service Type Id
REF	02	Reference Identification	See REF01
DTM	01	Date Qualifier	002 = Deliver On Date 037 = First Ship Date 038 = Last Ship Date 106 = Need By Date
DTM	02	Date	See DTM01 (YYYYMMDD)
TD5	03	Carrier Code	See PCW list of accepted carrier codes
TD5	05	Carrier Description	Free form text name of carrier
N9	01	Message Qualifier	GFT = Gift Message OAI = Order Assembly Instructions
N9	02	Message	See N901
MSG	01	Order message	
N1	01	Address Qualifier	BT = Bill To ST = Ship To SF = Ship From
N1	02	Company Name	
N1	04	Address Identifier	Customer No when N101 = BT Warehouse Id when N101 = SF
N2	01	Attention	
N3	01	Street	
N3	02	Street 2	
N3	03	Street 3	For International, put province/region here.
N4	01	City	
N4	02	State	For US addresses only.
N4	03	Zip/Postal Code	
N4	04	Country	2-letter abbreviation
PER	03	Contact Qualifier	TE = Telephone Number
PER	04	Telephone Number	
PER	05	Contact Qualifier	EM = Email Address
PER	06	Email Address	
POC	02	Change or Response Type Code	AI = Add Additional Item PC = Price Change PQ = Quantity Change

POC	03	Order Quantity	This is the current amount on order before the change.
POC	04	New Order Quantity	
POC	05	Unit of Measure	EA = Each
POC	06	Unit Sell Price	
POC	08	Product ID Qualifier	SK = SKU - PCW SKU BP = Buyer Part Number
POC	09	Product ID	SKU or BP for line item
PID	01	Item Description Qualifier	F = Freeform Description OAI = Order Assembly Instructions for item
PID	05	Item Description	See PID01

865 - Purchase Order Change Acknowledgement

PCW Baseline Mapping - Outbound 865 - Purchase Order Change Acknowledgement			
Segment	**Element**	**Purpose**	**Comments**
BCA	02	Acknowledgment Type	AK = Acknowledge - No Detail or Change RJ = Rejected - No Detail
BCA	03	PO Number	
BCA	06	PO Date	(YYYYMMDD)
BCA	09	Reference Identification	PCW Order number
POC	03	Quantity Ordered	
POC	08	Product ID Qualifier	SK = SKU - PCW SKU BP = Buyer Part Number
POC	09	Product ID	SKU or BP for line item
ACK	01	Line Item Status	AC = Item Accepted
ACK	02	Quantity	
CTT	01	Number of Line Items	
CTT	02	Sum of Quantity Ordered	

888 - Item Maintenance

PCW Baseline Mapping - Outbound 888 - Item Maintenance			
Segment	**Element**	**Purpose**	**Comments**
N1	03	Product ID Qualifier	SK = SKU - PCW SKU BP = Buyer Part Number

N1	04	Product ID	
G55	05	Height	
G55	06	Unit of Measure	IN = Inch
G55	07	Width	
G55	08	Unit of Measure	IN = Inch
G55	09	Lenght	
G55	10	Unit of Measure	IN = Inch
G55	23	Weight	
G55	26	Unit of Measure	LB - Pound
G55	31	Item Description	

940 - Warehouse Shipping Order

PCW Baseline Mapping - Inbound 940 - Warehouse Shipping Order			
Segment	Element	Purpose	Comments
WO5	01	Order Status Code	N = Original Order
WO5	02	Purchase Order Number	
WO5	03	Customer's Purchase Order Number	
N1	01	Address Qualfier	BT = Bill To ST = Ship To SF = Ship From
N1	02	Company Name	
N1	04	Address Identifier	Customer No when N101 = BT Warehouse Id when N101 = SF
N2	01	Attention	
N3	01	Street	
N3	02	Street 2	
N3	03	Street 3	For International, put province/region here.
N4	01	City	
N4	02	State	For US addresses only.
N4	03	Zip/Postal Code	
N4	04	Country	2-letter abbreviation
G62	01	Date Qualifier	002 = Deliver On Date 037 = First Ship Date

			038 = Last Ship Date 106 = Need By Date
G62	02	Date	See DTM01 (YYYYMMDD)
NTE	01	Reference Identification Qualifier	LOB = LOB Id 3P = Third Party Parcel Account Id AB = Authorized By AO = Alcohol Order Type BT = Batch No CC = Cost Center CP = Customer PO No DC = Distribution Channel DV = Division HC = Hold Code IP = Integration Partner Id IT = Order Invoice Template Id MC = Media Code OE = Order Confirmation Email Template Id OS = Order Source Id PA = Parcel Account Id PC = Priority Code PT = Packing Slip Template Id R1 = Parcel Label Ref 1 R2 = Parcel Label Ref 2 R3 = Parcel Label Ref 3 SE = Shipment Confirmation Email Template Id ST = Service Type Id
NTE	02	Reference Identification	See NTE01
N9	01	Message Qualifier	GFT = Gift Message OAI = Order Assembly Instructions MSG = Order Message
N9	02	Message	See N901
W66	02	Carrier Code	See PCW list of accepted carrier codes
W66	05	Carrier Description	Free form text name of carrier
W01	01	Order Quantity	Line Item Loop
W01	02	Unit of Measure	EA = Each
W01	04	Product ID Qualifier	SK = SKU - PCW SKU
W01	05	Product ID	SKU for line item
G69	01	Item Description	See PID01
N9	01	Message Qualifier	
N9	02	Message	See N901

943 - Warehouse Stock Transfer Shipment Advice

PCW Baseline Mapping - Inbound 943 - Warehouse Stock Transfer Shipment Advice			
Segment	Element	Purpose	Comments
W06	01	Reporting Code	F = Full Detail
W06	02	Depositor Order Number	PO No
W06	03	Date	PO Order Date
N1	01	Entity Identifier Code	SF = Vendor ST = Warehouse
N1	04	Identification Code	Vendor Id when N101 = SF Warehouse Id when N101 = ST
W27	01	Transportation Method	M = Motor (Common Carrier)
W27	02	Carrier Code	See PCW list of accepted carrier codes
W04	01	Number of Units Shipped	Order Quantity
W04	02	Unit or Basis for Measurement Code	EA = Each
W04	04	Product/Service ID Qualifier	SK = SKU
W04	05	Product/Service ID	PCW SKU
N9	01	Reference Identification Qualifier	DD = Due Date (required) DID = Distribution Date (required) ED = Expiration Date VD = Void Date FA = Freeze Action MO = Max Overs (required) MU = Max Unders (required) CO = Cost SP = Sell Price PR = Per MF = Max Freight CF = Charge Freight MAO = Max Other RD = Revision Date PL = Prod Lot AB = Art Back COU = Country Of Origin SA = Sample ST = Sample To SQ = SFP Quantity
N9	02	Reference Identification	See N901

944 - Warehouse Stock Transfer Receipt Advice

Segment	Element	Purpose	Comments
PCW Baseline Mapping - Outbound 944 - Warehouse Stock Transfer Receipt Advice			
W17	01	Reporting Code	F = Full Detail
W17	02	Receive Date	Date the ASN was completely received (YYYYMMDD)
W17	03	Warehouse Receipt Number	Id of the ASN in PCW
W17	04	Depositor Order Number	Original PO No from 943 document
N1	01	Entity Identifier Code	WH = Warehouse
N1	02	Name	Name of warehouse in PCW
N1	04	Identification Code	Id of the Warehouse in PCW
W07	01	Quantity Received	
W07	02	Unit or Basis for Measurement Code	EA = Each
W07	04	Product/Service ID Qualifier	SK = SKU
W07	05	Product/Service ID	PCW SKU
N9	01	Reference Identification Qualifier	Not currently used
N9	02	Reference Identification	See N901
W14	01	Quantity Received	

945 - Warehouse Shipping Advice

Segment	Element	Purpose	Comments
PCW Baseline Mapping - Outbound 945 - Warehouse Shipping Advice			
W06	02	Shipment Identifier	
W06	03	Date of shipment	YYYYMMDD
W06	06	Customer's PO number	
N1	01	Identification Code Qualifier	SF = Ship From
N1	02	Name	
N3	01	Address	
N3	02	Address Line 2	
N4	01	City	
N4	02	State	
N4	03	Zip	

N4	03	Country	
N9	01	Reference Identification Qualifier	LOB = Line of Business Identifier BM = Bill of Lading Number
N9	02	Identification Code	See N901
W27	02	Standard Carrier Alpha Code	
W28	01	Packaging Code	CTN = Carton PLT = Pallet
W28	02	Weight	
W28	06	Weight Qualifier	N = Net Weight
W28	08	Weight Unit Code	LB = Pounds
MAN	01	Identification Code Qualifier	2 = SCAC ZZ = non-standard carrier
MAN	02	Identification Code	SCAC code when MAN01 = 2 Free-form carrier description when MAN01 = ZZ
MAN	04	Identification Code Qualifier	CN = Carton or Pallet Tracking Number GM = SSCC-18 number
MAN	05	Identification Code	See MAN04
W12	01	Ship Status Code	'CC' = Complete 'CP' = Partial Ship
W12	02	Quantity Ordered	
W12	03	Quantity Shipped	
W12	05	Unit of Measure	EA = Each
W12	06	UPC Code	
W12	07	Product ID Qualifier	SK = SKU - PCW SKU HL***I loop only used when Cartonization-level data is known within PCW
W12	08	Product ID	SKU for line item
G69	01	Product Description	
W03	01	Total Number of Units Shipped	
W03	02	Total Weight	
W03	03	Weight Unit Code	LB = Pounds

API Overview

Please use the below link for API documentation.
http://developer.infopluscommerce.com/api/reference/v2.0/#top

Polaris Commercial Warehousing will provide the API Key, Version and URL to be used for API access.

Disclaimer: Please do not share the API Keys with anyone. Polaris Commercial Warehousing is not responsible for incorrect orders or data loss in such cases.