

**Phillips Alaska Inc. (PAI) SAP EDI Implementation Guide
860 Purchase Order Change**

ANSI Segment Structure

Header

BCH
PER
FOB
ITD
DTM
TD5

N9*
MTX* Header notes loop (replaces NTE segment)

N1 Name / Address Loop
N2
N3
N4

Detail

POC
PID Part Description Loop

REF*
FOB
DTM
TD5
MTX* (replaces NTE segment)

N1 Name / Address Loop
N2
N3
N4

Trailer

CTT
AMT

* = NEW SEGMENTS

Of all the ANSI 860 segments, only those shown above are mapped from SAP and will be transmitted by PAI.

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HEADER INFORMATION

BCH Beginning Segment for P.O. Change

ANSI and PAI required

BCH01 Transaction Set Purpose Code (353) ID 02/02

ANSI Required

Code indicating transaction type.

'04' = Original

This is the transmitted value.

BCH02 P. O. Type Code (92)

ID 02/02

ANSI Required

Further indicate PO type.

'CP' = Change PO

'CF' = Confirmation

Are two transmitted values.

BCH03 Purchase Order Number (324)

AN 01/22

PAI Required

The purchase order number. SAP length is 10 bytes. Purchase order numbers all begin with '45000'.

BCH05 Change Order Sequence Number (327) AN 01/08

PAI Optional

BCH06 Purchase Order Date (373)

DT 08/08

PAI Required

Purchase order date - CCMMYYDD

The date the purchase order is issued.

BCH11 Purchase Order Change Request (373) DT 08/08

PAI Optional

Purchase order date - CCMMYYDD

The date the purchase order is issued.

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<u>PER Administrative Communications Segment</u>		PAI Required
<u>PER01 Contact function code (366)</u> Code indicating the type of contact. 'BD' = Buyer name.	ID 02/02	PAI Required
<u>PER02 Name (93)</u> The buyer's name.	AN 01/35	PAI Required
<u>PER03 Communications qualifier (365)</u> 'TE' = Telephone number.	ID 02/02	PAI Optional
<u>PER04 Communication value (364)</u> Buyer's telephone number.	AN 07/21	PAI Optional
<u>PER05 Communications qualifier (365)</u> 'FX' = FAX number.	ID 02/02	PAI Optional
<u>PER06 Communication value (364)</u> Buyer's FAX number.	AN 07/21	PAI Optional

FOB Related Instructions Segment **PAI Optional**

In the transaction, this segment can appear at the header and line. FOB at the header applies to lines without FOB at the line.

<u>FOB01 Shipment method of payment (146)</u> 'CC' = Collect 'DF' = Defined by Buyer 'NC' = Service Freight, No Charge 'PC' = Prepay but Charged to Customer 'PP' = Prepaid (by seller) 'TP' = Third Party	ID 02/02	PAI Required
<u>FOB06 Location qualifier (309)</u> 'DE' = Destination 'FV' = Free Alongside Vessel (FOB Point) 'OA' = Origin (After Loading on Equipment) 'OR' = Origin 'OV' = On Vessel (FOB Point) 'PB' = Point of Discharge 'PE' = Port of entry 'ZZ' = Mutually Defined – Information contained in Description	ID 01/02	PAI Required
<u>FOB07 Description (352)</u> Destination or Origin depending on responsibility for payment.	AN 01/80	PAI Optional

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ITD Terms of Sale Segment **PAI Optional**

ITD01 Terms Type Code (336) ID 02/02 PAI Optional
'01' = Basic

ITD02 Terms Basic Date Code (333) ID 01/02 PAI Optional
'3' = Invoice Date

ITD03 Terms Discount Percent (338) R 01/06 PAI Optional
Terms Discount Percentage

ITD05 Terms Discount Days Due (351) ID 01/03 PAI Optional
'PP' = Prepaid

ITD07 Terms Net Days (386) AN 01/03 PAI Optional
Terms Net Days, normally 30.

DTM Date / Time Reference Segment **PAI Optional**

In the transaction, this segment can appear at the header and at the line. Delivery date at the header applies to lines without their own delivery date.

DTM01 Date / Time qualifier (374) ID 03/03 PAI Required
'074' = Delivery date

DTM02 Date (373) DT 08/08 PAI Required
Delivery date – CCYYMMDD
This is the date the materials are expected to be delivered to PAI's Facility.

TD5 Carrier Details Segment **PAI Optional**

In the transaction, this segment can appear at the header and at the line. Transportation method at the header applies to lines without their own transportation method.

TD504 Transportation Method Type Code (91) ID 01/02 PAI Optional
'M' = Motor (Truck)
'R' = Rail
'AF' = Air Freight
'ZZ' = Mutually Defined
These are possible Valid ANSI codes

TD505 Routing (387) AN 01/35 PAI Optional
Carrier name. May contain the PO Header Delivery text. With qualifier ZZ, will contain Drop Point Information.

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N9 Reference Segment

ANSI Required

In the standard, this segment is required to allow header notes. Contents of this segment can be ignored.

<u>N901 Reference number qualifier (91)</u>	ID 01/02	ANSI Required
'L1' = Notes		
Valid ANSI codes		

<u>N902 Reference number (387)</u>	AN 01/35	ANSI Required
'NOTES'.		

MTX Message Segment

PAI Optional

In the transaction, this segment can appear at the header and at the line. This segment contains header information that the buyer wants to communicate to the vendor. These notes should be considered in conjunction with line MTX messages.

<u>MTX01 Message qualifier (91)</u>	ID 03/03	PAI Required
'GEN' = Header level text		

<u>MTX02 Message (387)</u>	AN 01/4096	PAI Required
Header text. The following types of text may appear here: Pricing Types, Deadlines, Terms of Delivery, Shipping Instructions, Terms of Payment, Warranties, Penalty, Guarantee, Contract Riders, Asset, and/or Other Contractual Stipulations.		

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N1 Name Segment

PAI Required

Ship-to can appear at the header and at the line. Ship-to at the header applies to lines without their own Ship-to information.

<u>N101 Entity ID Code (98)</u> 'ST' = Ship to 'BT' = Bill to.	ID 02/02	PAI Required
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<u>N102 Name (93)</u> Company name is freeform.	AN 01/35	PAI Required
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<u>N103 Identifier Code Qualifier (66)</u> '9' = DUNS + 4	ID 01/02	PAI Optional
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<u>N104 Identifier Code (67)</u> DUNS + 4 value.	ID 02/17	PAI Optional
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N2 Additional Name Segment

PAI Required

<u>N201 Name (93)</u> Name information continued as needed.	AN 01/35	PAI Optional
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<u>N202 Name (93)</u>	AN 01/35	PAI Optional
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N3 Address Information Segment

PAI Optional

<u>N301 Address (166)</u>	AN 01/35	PAI Optional
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<u>N302 Address (166)</u>	AN 01/35	PAI Optional
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N4 Geographic Location Segment

PAI Required

If country code is not supplied, please assume US.

<u>N401 City Name (19)</u>	AN 02/19	PAI Required
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<u>N402 State or Province Code (156)</u>	ID 02/02	PAI Required
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<u>N403 Postal (ZIP) Code (116)</u>	ID 04/09	PAI Required
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<u>N404 Country Code (26)</u>	ID 02/02	PAI Optional
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PER Administrative Communications Segment

Optional by PAI

This is the overall order contact.

<u>PER01 Contact function code (366)</u> Code indicating the type of contact. 'OC' = Order Contact.	ID 02/02	PAI Optional
<u>PER02 Name (93)</u> The order contact name.	AN 01/35	PAI Optional
<u>PER03 Communications qualifier (365)</u> 'TE' = Telephone number.	ID 02/02	PAI Optional
<u>PER04 Communication value (364)</u> Buyer's telephone number.	AN 07/21	PAI Optional
<u>PER05 Communications qualifier (365)</u> 'FX' = FAX number.	ID 02/02	PAI Optional
<u>PER06 Communication value (364)</u> Buyer's FAX number.	AN 07/21	PAI Optional

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DETAIL INFORMATION

<u>POC Line Item Change Segment</u>		PAI Required
<u>POC01 Assigned identity (350)</u> Line number of 5 bytes, e.g. 00001.	AN 01/20	PAI Required
<u>POC02 Change type code (670)</u> Valid ANSI code.	ID 02/02	PAI Required
<u>POC03 Quantity ordered (330)</u> Order quantity	R 01/15	PAI Required
<u>POC04 Quantity left to receive (671)</u> Quantity left to receive	R 01/9	PAI Optional
<u>POC05 Unit of measure (355)</u> Unit of measure.	ID 02/02	PAI Required
<u>POC06 Unit price (212)</u> Unit price.	R 01/17	PAI Required
<u>POC08 Product code (235)</u> 'BP' = Buyer's Catalog Number	ID 02/02	PAI Required
<u>POC09 Product (234)</u> SAP Length = 8 bytes. Phillip's SAP material number, or If no material number the word PHILLIPS will appear.	AN 01/48	PAI Required
<u>POC10 Product Code (235)</u> 'VP' = Vendor's Catalog Number	ID 02/02	PAI Optional
<u>POC11 Product (234)</u> Vendor's Material number.	AN 01/48	PAI Optional
<u>PID Product / Item Description Segment</u>		PAI Optional
<u>PID01 Item description type (349)</u> 'F' = Free form.	ID 01/01	PAI Required
<u>PID05 Description (352)</u> Text describing the part. The following types of text may appear here: Item Text, Info Record PO Text, Material PO Text, and/or Material Basic Data.	AN 01/80	PAI Required

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REF Reference Number Segment

PAI Optional

In the transaction, this segment appears can appear multiple times.

<u>REF01 Reference Number Qualifier (128)</u>	ID 02/02	PAI Required
<ul style="list-style-type: none"> '91' = RFE '80' = Cost Center '79' = Project Work Order 'P4' = Project number 'WO' = Work Order Number 'WS' = Warehouse Storage Location 'AH' = Outline agreement number (replaces the Blanket Order number) 'C7' = Outline agreement line number (replaces the BO line number) 'CI' = Consignment 		

<u>REF02 Reference Number (127)</u>	AN 01/30	PAI Required
The appropriate reference number.		

<u>REF03 Reference Number Description (352)</u>	AN 01/80	PAI Optional
The relevant reference number description.		

FOB Related Instructions Segment

PAI Optional

In the transaction, this segment can appear at the header and at the line. FOB here at the line overrides FOB at the header.

<u>FOB01 Shipment method of payment (146)</u>	ID 02/02	PAI Required
<ul style="list-style-type: none"> 'CC' = Collect 'DF' = Defined by Buyer 'NC' = Service Freight, No Charge 'PC' = Prepay but Charged to Customer 'PP' = Prepaid (by seller) 'TP' = Third Party 		

<u>FOB06 Location qualifier (309)</u>	ID 01/02	PAI Required
<ul style="list-style-type: none"> 'DE' = Destination 'FV' = Free Alongside Vessel (FOB Point) 'OA' = Origin (After Loading on Equipment) 'OR' = Origin 'OV' = On Vessel (FOB Point) 'PB' = Point of Discharge 'PE' = Port of entry 'ZZ' = Mutually Defined – Information contained in Description 		

<u>FOB07 Description (352)</u>	AN 01/80	PAI Optional
Destination or Origin text.		

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DTM Date / Time Reference Segment **PAI Optional**

In the transaction, this segment can appear at the header and the line. Delivery date at the line overrides delivery date at the header

DTM01 Date / Time qualifier (374) ID 03/03 PAI Required
'074' = Delivery date

DTM02 Date (373) DT 08/08 PAI Required
Delivery date – CCYYMMDD
This is the date the materials are expected to be delivered to PAI's facility.

TD5 Carrier Details Segment **PAI Optional**

In the transaction, this segment can appear at the header and at the line. Transportation method at the line overrides transportation method at the header.

TD504 Transportation Method Code (91) ID 01/02 PAI Optional
'M' = Motor (Truck)
'R' = Rail
'AF' = Air Freight
'ZZ' = Mutually Defined
These are possible Valid ANSI codes

TD505 Routing (387) AN 01/35 PAI Optional
Carrier name. With qualifier ZZ, will contain Drop Point Information.

MTX Message Segment **PAI Optional**

In the transaction, this segment appears in two places in the transaction. This segment contains specific purchase order line information that the buyer wants to communicate to the vendor. It should be used in conjunction with header level text.

MTX01 Message qualifier (91) ID 03/03 PAI Required
'LIN' = Line level text

MTX02 Message (387) AN 01/35 PAI Required
PO Line text. The following types of text may appear here: Delivery Text and/or PM Operation Text.

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N1 Name Segment

PAI Optional

In the transaction ship-to can appear at the header and at the line. Ship-to at the line overrides ship-to at the header.

N101 Entity ID Code (98) ID 02/02 PAI Required
'ST' = Ship to

N102 Name (93) AN 01/35 PAI Required
Company name is freeform.

N103 Identifier Code Qualifier (66) ID 01/02 PAI Optional
'9' = DUNS + 4

N104 Identifier Code (67) ID 02/17 PAI Optional
DUNS + 4 value.

N2 Additional Name Segment

PAI Optional

N201 Name (93) AN 01/35 PAI Optional
Name information continued as needed.

N202 Name (93) AN 01/35 PAI Optional

N3 Address Information Segment

PAI Optional

N301 Address (166) AN 01/35 PAI Optional

N302 Address (166) AN 01/35 PAI Optional

N4 Geographic Location Segment

PAI Optional

If country code is not supplied, please assume US.

N401 City Name (19) AN 02/19 PAI Required

N402 State or Province Code (156) ID 02/02 PAI Required

N403 Postal (ZIP) Code (116) ID 04/09 PAI Required

N404 Country Code (26) ID 02/02 PAI Optional

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PER Administrative Communications Segment

Optional by PAI

This should only be supplied if the order-contact for the line differs from the header order-contact. Normally, only phone number will be sent.

<u>PER01 Contact function code (366)</u> Code indicating the type of contact. 'OC' = Order Contact.	ID 02/02	PAI Optional
<u>PER02 Name (93)</u> The order contact name.	AN 01/35	PAI Optional
<u>PER03 Communications qualifier (365)</u> 'TE' = Telephone number.	ID 02/02	PAI Optional
<u>PER04 Communication value (364)</u> Buyer's telephone number.	AN 07/21	PAI Optional
<u>PER05 Communications qualifier (365)</u> 'FX' = FAX number.	ID 02/02	PAI Optional
<u>PER06 Communication value (364)</u> Buyer's FAX number.	AN 07/21	PAI Optional

TRAILER INFORMATION

CTT Transaction Totals

PAI Required

<u>CTT01 Number of Line Items (354)</u> Number of line items (number of PO1 segments).	N0 01/06	PAI Required
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AMT Monetary Amount

PAI Required

<u>AMT01 Amount qualifier (522)</u> 'TT' = Total transaction amount	ID 01/02	PAI Required
<u>AMT02 Monetary Amount (782)</u> Total dollar value of PO.	R 01/15	PAI Optional