EDI ENGAGEMENT
{VENDOR NAME}

Purchase Order Acknowledgement
(855)

X12 4010 Implementation Guidelines

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Last update: December 6, 2023

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Version: 1.0

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Edit Log

Person	Date	Description
Tony LeBlanc	Feb 23, 2014	First Draft
Melody Bailey	Mar 4, 2014	Edits
Daniel Venton	Oct 10, 2018	Updates to N3 and Ref segments
Daniel Venton	Oct 10, 2018	Clarification on N1 segment.
Daniel Venton	Dec 17 2018	Rebranding
Tony LeBlanc	April 2, 2019	Change the element number for the BAK04 to 373. It was wrong.
Tony LeBlanc	July 31, 2019	Added 91 and ZZ to acceptable code in the N103 segment
Daniel Venton	Jan 2, 2020	Added non-segment agreement info, formatting change
Daniel Venton	May 6 2020	Added clarifications in backorder requirements section, fixed typos.
Tony LeBlanc	May 20, 2020	Made SAC 01,03,05 mandatory
Tony LeBlanc	May 20, 2020	Added comment after N1 stating VN is minimum requirement
Daniel Venton	Dec 6 2023	Elaboration about compliant qualifiers in Backorder Scenarios

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1 Purpose

This document will detail only those segments and elements that are specific to transactions with this vendor. This is not meant to be an exhaustive detail of every segment and element that will be used in the document type. It will only provide information on specific detail where exact definition is needed to trade with this vendor.

2 Header

2.1 Segment ISA - Interchange Control Header

Element Position	Ele. ID	Element Name	Req	Type	Length	Value or Usage
ISA-05	I05	Sender ID Qualifier	M	ID	2/2	**ZZ**
ISA-06	I06	Interchange Sender ID	M	ID	15/15	Vendor ISA ID
ISA-07	I05	Interchange Receiver ID Qualifier	M	ID	2/2	**ZZ**
ISA-08	I07	Interchange Receiver ID	M	ID	15/15	Health Authority system specific ID
EXAMPLE	**ISA*00* *00* *ZZ*_Vendor ISA ID_*ZZ*_HA System Specific ISA ID_* 020201*1345*U*00401*000000789*0*P*>~**					

2.2 Segment GS - Functional Group Header

Element Position	Ele. ID	Element Name	Req	Type	Length	Value or Usage
GS-01	479	Functional ID	M	ID	2/2	**PR** – Purchase Order Acknowledgment 855
GS-02	142	Application Sender ID	M	AN	2/15	Vendor GS ID
GS-03	124	Application Receiver ID	M	AN	2/15	Health Authority system specific ID
EXAMPLE	**GS*PR*_Vendor GS ID_*_HA System Specific ISA ID_*20020201*1345*789*X*004010~**					

3 Footer

3.1 Segment GE - Functional Group Trailer

Element Position	Ele. ID	Element Name	Req	Type	Length	Value or Usage
GE01	97	Number of Included Transaction Sets	M	N0	01/06	Total number of ST segments
GE02	28	Data Interchange Control Number	M	N0	01/09	Will be the same as GS06
EXAMPLE	**GE*1*789~**					

3.2 Segment IEA - Interchange Control Trailer

Element Position	Ele. ID	Element Name	Req	Type	Length	Value or Usage
IEA01	I16	Number of Included Groups	M	N0	01/05	Total number of GS segments
IEA02	I12	Interchange Control Number	M	AN	01/60	Will be the same as ISA13
EXAMPLE	**IEA*1*000000789~**					

4 Summary Layout

Segment Usage (U):
M = Mandatory, **O** = Optional, **C** = Conditional

HEADER							
			Version 4010			PHSA	
Segment ID		Name	U	Max Loop	Max Use	U Use	Max Max
ST	010	Transaction Set Header	M		1	M	1
BAK	020	Beginning Segment for PO Acknowledgement	M		1	M	1
REF	050	Reference Identification	O		>1	O	1
PER	060	Administrative Communications	O		3	O	1
Loop ID – SAC				**25**			**1**
SAC	120	Service, Promotion, Allowance, or Charge Information	O		1	O	1
DTM	200	Date/Time Reference	M		10	M	1
Loop ID – N9				**1000**			**1000**
N9	330	Reference Identification	O		1	O	1
MSG	300	Message Text	O		1000	O	1000
Loop ID – N1				**200**			**3**
N1	300	Name	O		1	M	3
N3	320	Address Information	O		2	M	1
N4	330	Geographic Information	O		2	M	1
DETAIL							
Loop ID – PO1				**100 000**			**100 000**
PO1	010	Baseline Item Data	M		1	M	1
Loop ID – PO1/PID				**1000**			**1000**
PID	050	Product/Item Description	O		1	O	1
Loop ID – PO1/ACK				**104**			**104**
ACK	270	Line Item Acknowledgement	M		1	M	1
TXI	296	Tax Information	O		>1	O	>1
Loop ID – PO1/N9				**1000**			**1000**
N9	330	Reference Identification	O		1	O	1
MSG	300	Message Text	O		1000	O	1000
Summary							
CTT	010	Transaction Totals	O		1	O	1
Trailer							
SE	030	Transaction Set Trailer	M		1	M	1

5 Detail Layout

ANSI Specification

Element Number (#):
Element identification number as assigned by standards committee (ANSI)

Element Usage (U):
M = Mandatory, **O** = Optional, **C** = Conditional, **X** = Dependency – please refer to Summary Usage table as to usage, the usage identifiers below simply mean that if the segment is used, then the usage of element applies.

Element Type (TY):
ID Identifier, **AN** Alpha-numeric String, **DT** Date, **TM** Time, **Nn** Numeric (n decimals), **R** Decimal, **B** Binary

Minimum/Maximum (S):
n/n (fixed length of n), **n/p** (minimum length of n and maximum length of p)

System Requirement indicators

Meditech Usage (MT):
M Mandatory**, R** Requested, **O** Optional

PeopleSoft Usage (PS):
M Mandatory, **R** Requested, **O** Optional

Mandatory: Defines the minimum set of values required to load and process this document type in all five PHSA ERP systems.
Requested: Defines attributes that PHSA strongly requests from the supplier because of the extra value and use of the data that it provided. These values will still be accepted even if not supplied for all items. PHSA will implement an 855 without these values being supplied but request a timeline as to when the vendor will be able to supply them. Items are listed in order of preference, first in order being the most desired to the least desired.
Optional: Defines attributes that PHSAwould like to receive but if they are not part of the current 855 setup and/or would take too much effort to include them, they are not required

System Support Requirements

This document also includes ERP specific data in order to have a record of them, but the primary focus is on creating a specification that is compatible with every Supply Chain ERP. In our lists these values are indicated with a color and an indicator symbol. Please only use the qualifiers coded in **black**, as they're usable in our ordering systems province-wide.

Compliancy	Color indicator	Symbol Indicator
Meditech	RED	]
Peoplesoft	BLUE	>
All Systems	BLACK	

Vendor's ability to supply (VN):
Y Yes - Will supply, **M** Maybe – More investigation needed, **N** - Cannot supply

Comment/Values
The supplier may use any or all of the values listed in comment/values that are not system-specific. Values in blue and red are system specific. This document will be constrained to only those values that can be supported.

6 General 855 Agreement

This section records responses to criteria outlined in the PHSA SC EDI Guidelines

Condition	Vendor Can Provide	Comments
Vendor can send acknowledgement for every line of every PO a health authority sends		
Vendor can send acknowledgement within one business hour		
Vendor can send a new 855 when a change is made to the order's pricing, ship date, or quantity.		

7 Segment Specifications

7.1 Segment - ST

SEQ	#	Element Name	U	TY	S	MT	PS	VN	Comment/Values
ST01	143	Transaction Set Identifier Code	M	ID	3/3	M	M	Y	**855** – Purchase Order Acknowledgement
ST02	329	Transaction set Control Number	M	AN	4/9	M	M	Y	Unique control number for each transaction
EXAMPLE		**ST*855*894351667~**							

7.2 Segment - BAK

SEQ	#	Element Name	U	TY	S	MT	PS	VN	Comment/Values
BAK01	353	Transaction Set Purpose Code	M	ID	2/2	M	M	Y	**00** - Original **02** - Add **04** - Change **05** - Replace **06** - Confirmation
BAK02	587	Acknowledgement Type	M	ID	2/2	M	M	Y	**Accepted codes** **AC** Acknowledge - With Detail and Change **AD** Acknowledge - With Detail, No Change **AE** Acknowledge - With Exception Detail Only **AK** Acknowledge - No Detail or Change **HA Specific - Not accepted codes** **> AH** Acknowledge - Hold Status > **AP** Acknowledge - Product

									Replenishment > **AT** Accepted > **NA** No Acknowledgment Needed > **RD** Reject with Detail > **RF** Reject with Exception Detail Only > **RJ** Rejected - No Detail > **RN** Rejected - Not as Agreed > **RO** Rejected With Counter Offer > **RV** Rejected - Violates Industry Practices > **ZZ** Mutually Defined
BAK03	324	Purchase Order Number	M	AN	1/22	M	M	Y	Health Authority Purchase Order Number
BAK04	373	Date	M	DT	8/8	M	M	Y	Purchase Order Date (CCYYMMDD) Assigned by purchaser
BAK05	328	Release Number	O	AN	1/30	O	O		Customer Order Number Release
BAK08	127	Reference Number	O	AN	1/30	M	M		Vendor Sales Order Number
BAK09	373	Acknowledge Date	O	DT	8/8	M	M		(CCYYMMDD) Assigned by Vendor
EXAMPLE		**BAK*00*AD*0085580*20030219****19121377*20030219~**							

- All codes that indicate rejected must include an N9 Loop at header with explanation of the rejection and suggested options. For Province-wide compatibility, Vendor Order information should be provided in both the REF and BAK segments.

7.3 Segment – REF

SEQ	#	Element Name	U	TY	S	MT	PS	VN	Comment/Values
REF01	128	Reference Identification Qualifier	M	ID	2/3	M	M	Y	**OQ** – Order Number
REF02	127	Reference identification	X	AN	1/80	M	M		Applicable number per reference qualifier
EXAMPLE		**REF*OQ-*456987456~**							

7.4 Segment – PER

SEQ	#	Element Name	U	TY	S	MT	PS	VN	Comment/Values
PER01	366	Contact Function Code	M	ID	2/2	R	R		**OC** – Order Contact
PER02	93	Name	O	AN	1/60	R	R		Contacts name
PER03	365	Communication Number Qualifier	X	ID	2/2	R	R		**EA** - Internet Email Address
PER04	364	Communication Number	X	AN	2/256	R	R		Contacts Email address
PER05	365	Communication Number Qualifier	X	ID	2/2	R	R		**WP** - Work Phone Number
PER06	364	Communication Number	X	AN	2/256	R	R		Contacts Phone Number
PER07	365	Communication Number Qualifier	X	ID	2/2	R	R		**WF** - Work Fax Number
PER08	364	Communication Number	X	AN	2/256	R	R		Contacts Fax Number
EXAMPLE		**PER*BD*John Doe*EA*john.doe@phsa.ca*WP*2504916301*WF*2504916300~**							

7.5 Segment – SAC

SEQ	#	Element Name	U	TY	S	MT	PS	VN	Comment/Values
SAC01	248	Allowance or Charge Indicator	M	ID	1/1	M	M	Y	**A** – Allowance **C** – Charge
SAC02	1300	Allowance or Charge Code	C	ID	4/4	M	M		**D240 Freight** **Note: All special charges to be submitted through freight code** **HA Specific codes, do not use:** **> A010 Absolute Minimum Charge** **> C310 Discount** **> C510 Dry Ice** **> D240 Freight** **> D540 Hazardous Materials Handling Fee - Domestic** **> D820 Inside Delivery** **> F150 Packaging Service** **> F155 Packaging** **> F230 Penalty Charge** **> G470 Restocking Charge** **> G380 Shipping and Handling** **> H750 Tax - Sales Tax (State and Local)** **> I250 Transportation Charge (Minimum Rate)** **> I530 Volume Discount** **> ZZ Mutually Defined**
SAC05	610	Monetary Amount	C	R	1/15	M	M		
EXAMPLE		**SAC*C*D240***3500~**							

- **SAC charges must be coded with a D240 qualifier in the SAC02 segment due to Meditech limitations**

7.6 Segment – DTM

SEQ	#	Element Name	U	TY	S	MT	PS	VN	Comment/Values
DTM01	374	Date/Time Qualifier	M	ID	3/3	M	M	Y	**011** – Shipped **017** – Estimated Delivery **HA Specific Codes – Do not use** **> 002** Delivery Requested **> 055** Confirmed **> 069** Promised for Delivery **> 067** Current Schedule Delivery **> 068** Current Schedule Ship **> 069** Promised for Delivery **> 073** Scheduled for Delivery (Prior to and Including) **> 075** Promised for Delivery (Prior to and Including)

									>079 Promised for Shipment **>083** Scheduled for Shipment (Prior to and Including) **>085** Promised for Shipment (Prior to and Including)
DTM02	373	Date	X	ID	8/8	M	M	Y	CCYYMMDD
EXAMPLE	**DTM*002*20140101~**								

- **DTM should correspond to the Delivery data sent on the PO**

N9 Loop

7.7 Segment – N9

SEQ	#	Element Name	U	TY	S	MT	PS	VN	Comment/Values
N901	128	Reference Identification Qualifier	M	ID	2/3	R	R		ZZ
N902	127	Reference Identification	X	AN	1/80	R	R		Comments
EXAMPLE	**N9^ZZ^ Message to follow ~**								

7.8 Segment – MSG

SEQ	#	Element Name	U	TY	S	MT	PS	VN	Comment/Values
MSG01	933	Free-form Message text	M	AN	1/264	R	R		Free form message text
EXAMPLE	**MSG^items on this order will be shipped at a later date~** **MSG^Delivery dates may be subject to delays in transport ~** **MSG^so they need to be taken as estimates~**								

N9 Loop Example
N9^ZZ^ Message to follow ~ MSG^items on this order will be shipped at a later date~ MSG^Delivery dates may be subject to delays in transport ~ MSG^so they need to be taken as estimates~

N1 Loop

7.9 Segment - N1

SEQ	#	Element Name	U	TY	S	MT	PS	VN	Comment/Values
N101	0098	Entity Identifier Code	M	ID	2/3	M	M	Y	**ST** – Ship To **VN** – Vendor **BT** – Bill To
N102	0093	Name	M	AN	1/60	M	M	Y	Corresponding name
N103	0066	Identification Code Qualifier	C	ID	1/2	M	M	Y	**UL** – GLN **91** – Assigned by the Seller **ZZ** – Mutually defined
N104	0067	Identification Code	C	ID	2/80	M	M	Y	Number for Location
EXAMPLE	**N1*ST*Location Name here*UL*GLN~**								

Must provide a minimum of VN

7.10 Segment – N3

SEQ	#	Element Name	U	TY	S	MT	PS	VN	Comment/Values
N301	166	Address Information	M	AN	1/55	O	O		Address – compliant with Canada Post or US Postal service
N302	166	Address Information	M	AN	1/55	O	O		Address – compliant with Canada Post or US Postal service
EXAMPLE		**N3*1234 First St.*Bld #101~**							

7.11 Segment – N4

SEQ	#	Element Name	U	TY	S	MT	PS	VN	Comment/Values
N401	19	City Name	O	AN	2/30	R	R		Address
N402	156	State Or Province Code	X	ID	2/2	R	R		Address
N403	116	Postal Code	X	ID	3/15	R	R		Postal Code
N404	26	Country Code	X	ID	2/3	R	R		Compliant with GS1 country code
EXAMPLE		**N4*City Name*Prov*Postal Code*Country Code~**							

- **N1 segment** should loop, once for each address type. VN is **M**andatory, additional loops (ST, BT) are **R**equested. See example below for a complete set of 3 loops.
- **Please do not send an N2 Segment**

N1 Loop Example
N1*ST*Location Name here*UL*GLN~ N3*1234 First St.*Bld #101~ N4*City Name*Prov*Postal Code*Country Code~ N1*BT*Location Name here*UL*GLN~ N3*1234 First St.*Bld #101~ N4*City Name*Prov*Postal Code*Country Code~ N1*VN*Location Name here*UL*GLN~ N3*1234 First St.*Bld #101~ N4*City Name*Prov*Postal Code*Country Code~

7.12 Segment – PO1 Loop

SEQ	#	Element Name	U	TY	S	MT	PS	VN	Comment/Values
PO101	350	Assigned Identification	M	AN	1/20	M	M	Y	Purchase order item line number, e.g.: 1, 2, 3, 4, etc
PO102	330	Quantity Ordered	M	R	1/15	M	M	Y	Quantity Reported
PO103	355	Unit or Basis For Measurement Code	M	ID	2/2	M	M	Y	See (Appendix table 1 – Acceptable UOM Values)
PO104	212	Unit Price	O	N4	1/17	M	M	Y	*Item's unit price*
PO106	235	Product/Service ID Qual.	C	ID	2/2	M	M	Y	**VN** – Vendor's item number
PO107	234	Product/Service ID	M	AN	1/48	M	M	Y	*Vendor's item number*
PO108	235	Product/Service ID Qual.	C	ID	2/2	R	R		**IN** – Customer's item number
PO109	234	Product/Service ID	M	AN	1/48	R	R		*Customer's item number*
PO110	235	Product/Service ID Qualifier	O	ID	2/2	R	R		**MF** – Manufacturers Number
PO111	234	Product/Service ID	X	AN	1/80	R	R		Manufacturers Item Number
PO112	235	Product/Service ID Qual.	X	ID	2/2	R	R		**UK** – 14 digit GS1 Identification

PO113	234	Product/Service ID	X	AN	1/48	R	R		*GTIN*
PO114	235	Product/Service ID Qualifier	X	ID	2/2	R	R	Y	**PL**
PO115	234	Product/Service ID	X	AN	1/80	R	R	Y	Purchase Order Line Number
EXAMPLE	**PO1*1*5*EA*12.34**VN*JK4872*IN*4872 MF*MH1354*UK*3216549873215~**								

- Please provide an IN - "Customer's Item Number" - when indicated on the original PO
- PO1 segment must correspond with line segments and quantities on the original PO
  - Meditech can't distribute cost at the line level on a PO. The same item has to be entered on two lines of the PO and each line can be associated with its cost distribution. Many vendors consolidate similar lines when a PO is processed, but when sending a returning document with a combined line the Meditech system will only match against the first line of the PO that matches the vendor catalogue number and it generates an error. To eliminate these exceptions, PHSA requests these lines be duplicated to match what was sent on the PO on all returning documents.

Segment	Condition	Vendor Can Provide
PO1	Can distribute cost at a line level	

7.13 Segment – PID

SEQ	#	Element Name	U	TY	S	MT	PS	VN	Comment/Values
PID01	349	Item Description Type	M	ID	1/1	M	M		'F' – free-form
PID05	352	Description	X	AN	1/80	M	M		*Item description*
EXAMPLE	**PID*F****WIDGET DESCRIPTION ONE~ PID*F****WIDGET DESCRIPTION TWO~**								

- **PID** should loop only once with each loop containing a description.

7.14 Segment – ACK Loop

SEQ	#	Element Name	U	TY	S	MT	PS	VN	Comment/Values
ACK01	668	Line Item Status Code	M	ID	2/2	M	M	Y	**AC** Item Accepted and Shipped **AR** Item Accepted and Released for Shipment **IA** Item Accept **IB** Item Backordered **IC** Item Accepted - Changes Made **ID** Item Deleted **IP** Item Accepted – Price Changed **IQ** Item Accepted – Quantity Changed **IR** Item Rejected **IS** - Item Accepted – Substitution Made **HA Specific Codes, do not use** **> DR** Item Accepted – Date Rescheduled **> R2** Item Rejected, Invalid Item

									Product Number **> R3** Item Rejected, Invalid Unit of Issue **> R4** Item Rejected, Contract Item Not Available
ACK02	380	Quantity	O	R	1/10	M	M		Quantity Ordered
ACK03	355	Unit Of Measure	C	ID	2/2	M	M		See (Appendix table 1 – Acceptable UOM Values)
ACK04	374	Date and Time Qualifier	O	ID	3/3	M	M		**011** - Shipped **017** - Estimated Delivery **068** - Current scheduled ship date **HA Specific Codes, Do not use** **> 055** Confirmed **> 069** Promised for Delivery **> 079** Promised for Shipment
ACK05	373	Date	C	DT	8/8	M	M		Estimated Shipment Date (only on Backordered items)
ACK06	326	Request Reference Number	O	AN	1/45	O	O		Contract Number
ACK07	235	Product/Service ID Qualifier	O	ID	2/2	M	M		**VC** – Vendor's Item Number
ACK08	234	Product/Service ID	X	AN	1/80	M	M		Vendor's Item Number
ACK09	235	Product/Service ID Qualifier	O	ID	2/2	R	R		**IN** – Health Authority system item number
ACK10	234	Product/Service ID	X	AN	1/80	R	R		Customer Item Number
ACK11	235	Product/Service ID Qualifier	O	ID	2/2	R	R		**MF** – Manufacturers Number
ACK12	234	Product/Service ID	X	AN	1/80	R	R		Manufacturers Item Number
ACK13	235	Product/Service ID Qualifier	X	ID	2/2	R	R		**UK** – 14 digit GS1 Identification
ACK14	234	Product/Service ID	X	AN	1/48	R	R		GTIN
EXAMPLE		**ACK*IA*1*BG****VC*WA-52434*IN*122818*MF*MH1354*UK*3216549873215~ ACK*IB*2*CA*068*20030310**VC*KC12400*IN*122818*MF*MH1354*UK*3216549873215~ ACK*IP*2*CA****VC*KC12400*IN*122818*MF*MH1354*UK*3216549873215~**							

ACK01 Codes that will not be accepted

- AA - Item Accepted - Order Forwarded to Alternate Supplier Location
- IE - Item Accepted, Price Pending
- IH - Item on Hold
- IF - Item on Hold, Incomplete Description
- IW - Item on Hold-Waiver Required
- R1 - Item Rejected, Not a Contract Item
- R5 - Item Rejected, Reorder Item as a Just in Time (JIT) Order
- R6 - Item Rejected, Reorder Item as an Extended Delivery Order (EDO)
- R7 - Item Rejected, Reorder Item as a Drop Shipment
- R8 - Item Rejected, Reorder Item as a Surge Order
- SP - Item Accepted - Schedule Date Pending
- BP - Item Accepted – Partial Shipment, Balance Backordered
- DR – Item Accepted – Date Rescheduled

Our goals for implementing 855.

Please carefully read the specific coding rules for the ACK and PO1 segments below and indicate where compliance may not be met in the specification review spreadsheet.

1) ***Obtain actionable 855s*** as many partners use 855s to simply indicate an order has been received, rather than provide data to ensure the PO is accurate or indicate issues with the order
2) ***Action a price discrepancy*** and update our PO before the item is received into inventory and throws the weighted average cost off and before an invoice arrives as to avoid a match exception on the price.
   - In order to properly report and process a price exception in PHSA SC systems the PO104 must contain the actual price and the ACK01 must contain the IP code.
3) ***Action undeliverable product to maintain supply***
   - This requires an IR or ID code in the ACK01 if Item can't be supplied. In order to avoid additional work load for all parties it helps to supply a reason in free form test for the IR or ID in the following MSG segment. This is seen by PHSA SC buyers and will usually suffice to stop an additional phone call or email back for additional information.
4) ***Action backorders to maintain supply***
   PHSA Supply Chain defines a back order as anything that will *not* land on or before the Delivery date supplied on the PO. For example, If the PO delivery date is Aug 15, 2016 and there is a 3 day transit time then goods must be shipped on/or before Aug 12, 2016
   - **As a general rule - Backorders must be reported with two ACK lines** – one with the quantity withheld and one with the quantity being shipped, even if that amount is zero.
   - If the entire line QTY is backordered, the line must have two ACK segments – The first line having an AR code in the ACK01, zero quantity in the ACK02, a date code of 011, 017 or 068 on the ACK04 and the corresponding date supplied in the ACK05. PHSA SC requires a second ACK Segment with the IB code in the ACK01 element, quantity backordered in the ACK02, a 017 or 068 code in the ACK04 and corresponding date supplied in the ACK05.
   - If there is a partial shipment (e.g.: 10 are ordered and 5 ship today - the remainder will be shipped later), two ACK segments must be provided. The first line having an AR code in the ACK01 and the quantity shipped in the ACK02 with a date code of 011, 017 or 068 on the ACK04 and the corresponding date supplied in the ACK05. A second ACK segment with the IB code in the ACK01 element, quantity backordered in the ACK02, a 017 or 068 code in the ACK04 and corresponding date supplied in the ACK05 must be supplied.
   - Additional note: A common practice for the vendor is to send an IA code by default. This is not desirable to PHSA as it only indicates that the line item can be processed as sent and does not truly indicate shipping action.
5) ***Action UOM or Catalog number issues to avoid future errors and invoicing issues***
   - The IC code can be used in the ACK01 for both these issues but it requires two things.
   - The correct UOM must be sent in the ACK03 and/or the VC code as the "Product/Service Qualifier" code
   - The correct Catalog as the following "Product/Service ID".

6) ***Action substitutions***

- The IS code must be supplied in the ACK01 with a corresponding correct UOM must be sent in the ACK03 and/or the VC code as the "Product/Service Qualifier" code and the correct Catalog as the following "Product/Service ID". If this causes and price change as well then a second ACK segment is required coded as outlined in Item 1 above.

General guidelines for ACK

- Always provide a QTY in the any ACK line with an ACK01 code of AC, AR, DR, IB, IA, IC, IP, IQ or IS.
- Always provide a ship date on any ACK line with an ACK01 code of AC, AR, DR, IB, IA, IC, IP, IQ or IS.
- Provide ACK04 with a preferred qualifier of **"017 - Estimated Delivery"** and a corresponding delivery date in ACK05 when this can be provided accurately.
- If unable to provide the delivery date accurately, please provide **"068 - Current Schedule Ship"** in the ACK04 and a corresponding date in ACK05.
- If goods have already been released for shipment then and only then send a **"011 – Shipped"** code
- Do not send any other ACK04 codes beside the codes mentioned above.

Important - Guidelines for backorders

- For backordered lines please use the code IB.
- When any QTY is backordered PHSA SC expects to receive two ACK Lines.
    - One Line with an AR, IP, IC, IP, IQ or IS code that shows the QTY shipped prior to the delivery date provided on the PO (Even if that QTY is zero)
    - Another line with IB that shows the QTY on Backorder.
    - The first line can have an AR, IP, IC, IP, IQ or IS code in the ACK01 segment but must have either a 011, 017 or 068 ship date qualifier and the QTY shipped in ACK02 element. This is to indicate the QTY that will be shipped prior to the delivery date sent on the PO. If zero QTY is being shipped prior to the delivery date provided on the PO, still provide this line showing 0 in the ACK02 segment.
    - On an additional ACK line provide the IB qualifier on ACK01 and the appropriate ship date qualifier and the QTY being shipped after the delivery date sent on the PO.
    - On the IB ACK line please provide either a **"068 - Current Schedule Ship"** or a **"017 - Estimated Delivery"** in the ACK04 qualifier code.
    - If there are additional changes, send an additional ACK segment with the appropriate code and details based on the specific description below.
    - **Update (12/06/2023): Supplementary testing shows that in backorder scenarios, AC and IA qualifiers do not behave as expected. While these codes can be sent on their own, in a backorder scenario PHSA asks that the line indicating the amount shipped use the AR qualifier**

Example: For all ordered qty being backordered
PO1*1*5*EA*12.34**VN* WA-52434*…… ~ PID*F*A Description~ ACK*AR*0*EA*011*20150101**VC*WA-52434*…… ~ ACK*IB*5*EA*017*20150101**VC* WA-52434*……~
Example: For partial backordered qty
PO1*1*5*EA*12.34**VN* WA-52434*…… ~ PID*F*A Description~ ACK*AR*1*EA*011*20150101**VC*WA-52434*…… ~ ACK*IB*4*EA*017*20150101**VC* WA-52434*……~

Guidelines for specific ACK01 codes

Where ACK01 is provided with the following code **"AC - Item Accepted and Shipped"** or **AR – "Item Accepted and Released for Shipment"** it must include:

- Matching price in the PO104 element
- Matching shipping data according to general guideline on providing ship information.
- Matching vendor catalog number in ACK08 and VC in ACK 07

Where ACK01 is provided with the following codes **"DR - Item Accepted – Date Rescheduled"** it must include:

- Shipping data according to general guideline on providing ship information.

Where ACK01 is provided with the following code "IC - Item Accepted - Changes Made" it must include:

- VC qualifier in ACK07 and the same Catalog number sent on the PO.
- Quantity shipped in ACK02
- If there is a Vendor Catalog Number change, provide the qualifier of 'VC' in the ACK07 element and the new catalog number in the ACK08 element.
- If there is a price change, provide the price in the PO104 element.
- If there is a Delivery date change, provide shipping data according to general guideline on providing ship information.

Where ACK01 is provided with the following code **"ID - Item Deleted"** it must include:

- An N9 and MSG segments with ZZ in the N901 and "Message to follow" in the N902 element.
- Details regarding why the item was deleted.

Where ACK01 is provided with the following code **"IP - Item Accepted – Price Changed"** it must include:

- Price change in the PO104 element.
- QTY in the ACK03
- VC qualifier in ACK07 and the same Catalog number sent on the PO.

Where ACK01 is provided with the following code **"IQ - Item Accepted – Quantity Changed"** it must include:

- Quantity in ACK02
- VC qualifier in ACK07 and the same Catalog number sent on the PO.

Where ACK01 is provided with the following code **"IS - Item Accepted – Substitution Made"** it must include:

- Quantity shipped in ACK02
- VC qualifier in the ACK07 element and the new catalog number in the ACK08 element.
- Price in the PO104 element.
- If there is a shipping date change, provide shipping data according to general guideline on providing ship information.

Where ACK01 is provided with the following code **"R2 - Item Rejected, Invalid Item Product Number"** :

- Please provide a line message in an N9 loop with a suggested possible matching item or possible substitute.

Where ACK01 is provided with the following code **"R3 - Item Rejected, Invalid Unit of Issue"** :

- Please provide a line message in an N9 loop with a suggested possible matching Unit of issue including price, If item is on contract please ensure the correct price is sent.

Where ACK01 is provided with the following code **"R4 - Item Rejected, Contract Item Not Available" :**

- Please provide an N9 loop with an explanation of the reason why the contract item can't be supplied.

Element	Condition	Vendor Can Provide
ACK01	Can produce multiple ACK segments to address backorder situations as outlined above	

7.15 Segment – TXI

SEQ	#	Element Name	U	TY	S	MT	PS	VN	Comment/Values
TXI01	963	Tax Type Code	M	ID	2/2	M	M	Y	**GS** – Goods and Services Tax **PG** - State or Provincial Tax on Goods **SP** – State/Provincial Tax **ST** – State Sales Tax
TXI02	782	Monetary Amount	X/Z	R	1/18	O	O		Tax Amount
TXI03	954	Percent	C	R	1/10	M	M		Tax rate, as a percentage
TXI06	441	Tax Exempt code	M	ID	1/1	O	O		**1** – Tax exempt **2** – NOT tax exempt
Example		**TXI*GS**.05***2~** **TXI*PG**.07***1~**							

- TXI Must loop once with one loop for GST and second loop for PST

N9 Loop

7.16 Segment – N9

SEQ	#	Element Name	U	TY	S	MT	PS	VN	Comment/Values
N901	128	Reference Identification Qualifier	M	ID	2/3	R	R		ZZ
N902	127	Reference Identification	X	AN	1/80	R	R		Comments

7.17 Segment – MSG

SEQ	#	Element Name	U	TY	S	MT	PS	VN	Comment/Values
MSG01	933	Free-form Message text	M	AN	1/264	R	R		Free form message text

N9 Loop Example
N9^ZZ^ Message to follow ~ MSG^items on this order will be shipped at a later date~ MSG^Delivery dates may be subject to delays in transport ~ MSG^so they need to be taken as estimates~

7.18 Segment – CTT

SEQ	#	Element Name	U	TY	S	MT	PS	VN	Comment/Values
CTT01	354	Number of Line Items	M	N0	1/6	M	M	Y	Total number of PO1 segments in transaction
Example		**CTT*786~**							

7.19 Segment - SE

SEQ	#	Element Name	U	TY	S	MT	PS	VN	Comment/Values
SE01	96	Number of Included Segments	M	N0	1/10	M	M	Y	Total number of segments in transaction (inc. ST & SE segments)
SE02	329	Transaction Set Control Number	M	AN	4/9	M	M	Y	Same value as ST02
Example		**SE*35*789000001~**							

8 Sample Message

```
ISA^00^          ^00^          ^ZZ^GHXCA          ^01^2508624200
^140317^1006^U^00401^507239250^0^P^|~
GS^PR^306009006^2508624200^20140317^1006^507239250^X^004010~
ST^855^0002~
BAK^06^AC^1327831^20140101^000001^^^400101628794^20140101~
REF^OQ^400101628794~
PER^OC^John Doe^EA^john.doe@phsa.ca^WP^2504916301^WF^2504916300~
SAC*C*D240***3500~
DTM^002^20140102~
N9^ZZ^Comments~
MSG^Additional Charges have been applied for Special handling~
N1^ST^Location Name here^UL^GLN~
N3^1234 First St.^Bld #101~
N4^City Name^Prov^Postal Code^Country Code~
N1^BT^Location Name here^UL^GLN~
N3^1234 First St.^Bld #101~
N4^City Name^Prov^Postal Code^Country Code~
N1^VN^Location Name here^UL^GLN~
N3^1234 First St.^Bld #101~
N4^City Name^Prov^Postal Code^Country Code~
PO1^1^1^CA^83.39^^VC^J945H^IN^0201109^MF^MH1354^UK^1234567891237^PL^1~
PID^F^^^^2-0 CVIC UND BR CT-1        36~
ACK^AC^1^CA^017^20140102^CON00052487^VC^J945H^IN^0201109^MF^MH1354^UK^12345
67891237~
PO1^2^10^CA^73.06^^VC^J316H^IN^0201121^MF^MH1354^UK^3216549873211^PL^2~
PID^F^^^^3-0 CVIC VIO BR SH          27~
ACK^AR^10^CA^017^20140103^CON00052487^VC^J316H^IN^0201121^MF^MH1354^UK^3216
549873211~
PO1^3^4^CA^51.02^^VC^P697^IN^0201157^MF^MH1354^UK^9876543213214^PL^3~
PID^F^^^^6-0 PETHLBLK M  P-1         18~
ACK^BP^2^CA^017^20140102^CON00052487^VC^P697^IN^0201157^MF^MH1354^UK^987654
3213214~
PO1^4^2^CA^82.89^^VC^Z340H^IN^0201220^MF^MH1354^UK^1234567891234^PL^4~
PID^F^^^^0   PDSIIVIO M  CT-1        27~
ACK^DR^2^CA^017^20140115^CON00052487^VC^Z340H^IN^0201220^MF^MH1354^UK^1234
5678~
```

```
PO1^5^3^CA^87.48^^VC^8424H^IN^0201235^MF^MH1354^UK^98765432123695^PL^5~
PID^F^^^^0   PROL BLU M  CT-1        30~

ACK^AR^2^CA^017^20140103^CON00052487^VC^8424H^IN^0201235^MF^MH1354^UK^9876
5432563214~
ACK^IB^1^CA^068^20140119^CON00052487^VC^8424H^IN^0201235^MF^MH1354^UK^98765
432563214~
PO1^6^34^CA^57.65^^VC^Y497G^IN^0201344^EO^45679121^MF^MH1354^PL^6~
PID^F^^^^3-0 MONOCRYL UND M PS-2 18"~
ACK^IC^12^CA^068^20140201^CON00052487^VC^Z497Y^IN^0201344^MF^MH1354^UK^2569
845679121~
PO1^7^3^CA^98.0^^VC^14202^IN^0203577^MF^MH1354^UK^9876543213214^PL^7~
PID^F^^^^STERRAD-SEALSURE-CHEM IND TAPE~
ACK^ID~
N9^ZZ^Comments~
MSG^This Item is not a cardinal item, we can not supply~
..... additional MSG segments can be here
PO1^8^4^CA^00.00^^VC^5DCS^IN^0204005^MF^MH1354^UK^9876543213214^PL^8~
PID^F^^^^5MM CURVED SCISSORS W/CAUTERY~
ACK^IE^4^CA^017^20140319^CON00052460^VC^5DCS^IN^0204005^MF^MH1354^UK^198765
43213214~
PO1^9^18^BX^412.12^^VC^2D5ST^IN^0207347^MF^MH1354^UK^19876543213214^PL^9~
PID^F^^^^XCEL DLT TIP 75MM STBSLV 100MM~
ACK^IH^18^BX^017^20140319^CON00052460^VC^2D5ST^IN^0207347^MF^MH1354^UK^1987
6543213214~
N9^ZZ^Message to follow~
MSG^This Item is under review ......~
PO1^10^3^CA^51.02^^VC^P1667^IN^0214456^UK^19876543213214^MF^MH1354^PL^10~
PID^F^^^^4-0 PETHLBLK M  PS-2        18~
ACK^IP^3^CA^017^21.95^CON00052487^VC^P1667^IN^0214456^MF^MH1354^UK^198765432
13214~
PO1^11^2^CA^162.58^^VC^2813G^IN^0217910^UK^19876543213214^MF^MH1354^PL^11~
PID^F^^^^9-0 ETHL BLK M  BV130-4~
ACK^IQ^1^CA^017^20140319^^VC^2813G^IN^0217910^MF^MH1354^UK^19876543213214~
PO1^12^6^CA^58.21^^VC^1864G^IN^0225773^MF^MH1354^UK^19876543213214^PL^12~
PID^F^^^^4-0 ETHL BLK M  PC-3        18~
ACK^IS^6^CA^017^20140319^CON00052487^VC^1864P^^^MF^MH1354^UK^19876543213214
~
PO1^13^1^CA^73.06^^VC^J416H^IN^0227416^MF^MH1354^UK^19876543213214^PL^13~
PID^F^^^^3-0 CVIC UND BR SH          27~
ACK^R2~
PO1^14^6^BX^1301.78^^VC^ATS45^IN^0229500^MF^MH1354^UK^19876543213214^PL^14~
PID^F^^^^ETS FLEX ART LNR CTR 45MM~
ACK^R3~
PO1^15^1^CA^1011.14^^VC^PPH03^IN^0230096^MF^MH1354^UK^19876543213214^PL^15~
PID^F^^^^HEMMORRHOIDAL STAPLER~
ACK^R4~
PO1^16^3^BX^1204.56^^VC^SR75^IN^0241796^MF^MH1354^UK^19876543213214^PL^16~
PID^F^^^^NTLC75 RELOAD~
ACK^SP^3^BX^^^CON00052460^VC^SR75^IN^0241796^MF^MH1354^UK^19876543213214~
N9^ZZ^Comments~
MSG^PLEASE CALL FOR DELIVERY DATE~
..............
CTT^16~
SE^78^0002~
GE^1^507239250~
```

IEA^1^507239250~