EDI ENGAGEMENT
{VENDOR NAME}

Price/sale Catalogue
(832)

X12 4010 Implementation Guidelines

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Edit Log

Person	Date	Description
Tony LeBlanc	Jan 17, 2014	First Draft
Melody Bailey	Feb 20, 2014	Review
Tony LeBlanc	Feb 28, 2017	Added conditional elements to the LIN section and add a note to the LIN section concerning conditionals.
Tony LeBlanc	April 20, 2017	Set all attributes to M, R or O. Added clearer definitions for Mandatory, Requested and Optional.
Daniel Venton	Jun 25 2017	Added 832 Content parameters.
Tony LeBlanc	Oct 12, 2018	Edited Section 6 to update the content options.
Daniel Venton	Dec 17 2018	Rebranding document
Daniel Venton	May 03 2019	Clarifying requirements for GTIN MMID
Daniel Venton	July 18, 2019	Clarifying line looping
Tony LeBlanc	July 31, 2019	Added 91 and ZZ to codes in the N103 segment
Daniel Venton	Dec 20, 2019	Incorporated non – segment agreed upon content to document, format changes
Daniel Venton	Nov 16 2020	Clarified DTM Qualifier expectations

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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. 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	Depending Communication Method
ISA-07	I05	Interchange Receiver ID Qualifier	M	ID	2/2	**ZZ**
ISA-08	I07	Interchange Receiver ID	M	ID	15/15	Provided by Trading Partner
Example: ISA*00* *00* *ZZ*CHC ISA ID *ZZ*TP ISA ID* 020201*1345*U*00401*000000789*0*P*>~						

3. Segment GS - Functional Group Header

Example GS*SC* CHC GS ID *TP GS ID*20020201*1345*789*X*004010~

Element Position	Ele. ID	Element Name	Req	Type	Length	Value or Usage
GS-02	142	Application Sender ID	M	AN	2/15	Depending Communication Method
GS-03	124	Application Receiver ID	M	AN	2/15	Provided by Trading Partner
Example: GS*SC* CHC GS ID *TP GS ID*20020201*1345*789*X*004010~						

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	Max Loop	Max Use
ST	010	Transaction Set Header	M		1	M		1
BCT	020	Beginning Segment	M		1	M		1
N1	150	Name	O		>1	M		2
DETAIL								
Loop ID – LIN								
LIN	010	Item Identification	M		1	M		1
DTM	030	Date/Time Reference	O		10	M		2
PID	070	Product/Item Description	O		200	M		2
MEA	080	Measurements	O		40	O		8
TXI	166	Tax Information	O		No limit	C		2
CTP	170	Pricing Information	M		100	M		1
Summary								
CTT	010	Transaction Totals	O		1	O		1
Trailer								
SE	020	Transaction Set Trailer	M		1	M		1

NOTE: DTM is not strictly necessary, if items are not on contract and if price changes are effective immediately.

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 above 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

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, **C** Conditional

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

Mandatory: Defines the minimum set of values required to load and process this document type in all five of our systems.
Requested: Defines attributes that PHSA strongly requests from the supplier because of the extra value and use of the data that it provided. We would still accept these values even if you can't supply for all items. We will implement without these values being supplied but we request that you provide a timeline as to when you 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 we would like to receive but if they are not part of your current 832 and or would take any effort on your part to include them, we do not require them.

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 we've indicated these 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	

Vendors Response
Vendor's ability to supply (VN):
Y Yes - Will supply, M – Maybe – More investigation, **N** No - Cannot supply

Comment/Values
The Vendor may use any or all of the values listed in comment/values. This document will be constrained to only those values that can be supported by PHSA.

6. Content and Frequency

PHSA requests a full update every 1 month at a minimum. The 832 file should contain **all items that PHSA can purchase from the supplier** with contract pricing where an item is on contract and PHSA specific pricing where available.

Refer to the 832 section of PHSA SC EDI Guidelines for more information about 832 content.

Contract items
In addition to the monthly updates PHSA requests an update containing effect items 10 business days prior to the start date of a contract containing more than 10 items on contact, and or the end data of a contract. The effective date attached to the items must be either the start date or end date respectively. The following also applies to what PHSA Supply chain refers to as a price agreement.

Within two working days after a contract expires PHSA requests an update file containing all items on the contract encoded with an appropriate effective date.
When a contract expires and a new price agreement is negotiated, PHSA requests a file be sent containing all items on the price agreement with the agreed price and appropriate effective date.

a. Content Agreement

This section records the selection agreed upon by the supplier from the options in section 6.

Question	Response	Additional notes
Can this vendor provide a complete 832 catalogue?		
Can this vendor provide an 832 10 days prior to contract implementation?		

b. Other Details

This section records answers to other questions addressed in the specification review

Question	VN	Additional notes
Is this vendor a product manufacturer?		
Does this vendor publish to ECCNet?		
Does this vendor publish to GDSN Canada or GDSN USA?		
Can the vendor provide a GTIN per UOM		

7. 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	**832** – Price/Sales Catalogue
ST02	329	Transaction set Control Number	M	AN	4/9	M	M	Y	Unique control number for each transaction
EXAMPLE		**ST*832*894351667**							

8. Segment - BCT

SEQ	#	Element Name	U	TY	S	MT	PS	VN	Comment/Values
BCT01	683	Catalogue Purpose Code	M	ID	2/2	M	M	Y	**PC** – Price catalogue **SC** – Sales catalogue GHX only supports code SC – Sales Catalogue
BCT02	684	Catalogue Number	M	AN	1/15	M	M	Y	Assigned by Vendor
BCT10	353	Transaction Set Purpose Code	M	ID	2.2	O	O	Y	**00 Original**
EXAMPLE		**BCT*PC*6760707********00~**							

9. Segment - N1 Loop 1

SEQ	#	Element Name	U	TY	S	MT	PS	VN	Comment/Values
N101	98	Entity Identifier Code	M	ID	2/3	M	M	Y	**SD** – Sold to
N102	93	Name	M	AN	1/60	M	M	Y	Corresponding name
N103	66	Identification Code Qualifier	C	ID	1/2	R	R		**UL** – GLN **91** – Assigned by the Seller **ZZ** – Mutually defined
N104	67	Identification Code	C	ID	2/80	R	R		Vendor assigned Identifier number unique to each HA/system. IHA\NHA FHA VIHA VCH/PHC PHSA
EXAMPLE		**N1*SD*Customer Name here*91*Customer number as assigned per HA~**							

10. Segment – N1 Loop 2

SEQ	#	Element Name	U	TY	S	MT	PS	VN	Comment/Values
N101	98	Entity Identifier Code	M	ID	2/3	M	M	Y	**VN** – Vendor
N102	93	Name	M	AN	1/60	M	M	Y	Corresponding name
EXAMPLE		**N1*SD*Customer Name here*91*Customer number as assigned per HA~**							

11.Segment – LIN

SEQ	#	Element Name	U	TY	S	MT	PS	VN	Comment/Values
LIN01	350	Item Identification	O	AN	1/20	M	M	Y	Line counter
LIN02	235	Product/Service ID Qual.	M	ID	2/2	M	M	Y	**'VC'** – Vendor's Catalogue number
LIN03	234	Product/Service ID	M	AN	1/48	M	M	Y	Vendor's Catalogue number
LIN04	235	Product/Service ID Qual.	X	ID	2/2	M*	M*		One of the following EN – 13-digit GS1 Identification EO – 8-digit GS1 Identification UK – 14 digit GS1 Identification UP – 12 digit GS1 identification
LIN05	234	Product/Service ID	X	AN	1/48	M*	M*		GTIN
LIN06	235	Product/Service ID Qual.	X	ID	2/2	R	R		**CR** – Contract Number
LIN07	234	Product/Service ID	X	AN	1/48	R	R		Vendor's Contract Number
LIN08	235	Product/Service ID Qual.	X	ID	2/2	M*	M*		**MF** - Manufacturer
LIN09	234	Product/Service ID	X	AN	1/48	M*	M*		Manufacturer's Name
LIN10	235	Product/Service ID Qual.	X	ID	2/2	M*	M*		**MG** – Manufacturer's Part Number
LIN11	234	Product/Service ID	X	AN	1/48	M*	M*		Manufacturer's Part Number
LIN12	235	Product/Service ID Qual.	X	ID	2/2	O	O		**U3** – United Nations Common Coding System (UNCCS)
LIN13	234	Product/Service ID	X	AN	1/48	O	O		UNSPSC code
LIN14	235	Product/Service ID Qual.	X	ID	2/2	O	O		**CG** – Commodity Grouping
LIN15	234	Product/Service ID	X	AN	1/48	O	O		Vendors Commodity Grouping
LIN16	235	Product/Service ID Qual.	X	ID	2/2	O	O		**HI** - HIBC (Health Care Industry Bar Code)
LIN17	234	Product/Service ID	X	AN	1/48	O	O		HI value
LIN18	235	Product/Service ID Qual.	X	ID	2/2	O	O		**UX** - Universal Product Number
LIN19	234	Product/Service ID	X	AN	1/48	O	O		Number
EXAMPLE		**LIN*1*VC*1235145*CR*654321*MF*Cardinal Heath Care*MG*1235145*EN*1234567890123* etc…**							

- PHSA requests data for each and every packaging unit available to purchase the supplier down to the lowest unit of measure. Each LIN loop must only have one CTP segment. See CTP for an example of a format for multiple UOMs.
- * indicates that PHSA requires this data to be provided **when available**, with the understanding that some catalogue items might not have this information at the time of implementation. **Expectation is that the vendor will provide an estimate to PHSA of when they will achieve 100 % compliance**. Either a UPC (Qualifier UP) or a valid GTIN (Qualifier EN, EO or UK) will be considered compliant for LIN 04/05. This timeline will be recorded below.

Elements	Data type	Current %	Est Date of 100%	Can Provide
LIN08-LIN11	Manufacturer Data			
LIN04-LIN05	GTIN/UPC			

12.Segment – DTM

SEQ	#	Element Name	U	TY	S	MT	PS	VN	Comment/Values
DTM01	374	Date/Time Qualifier	M	ID	3/3	M	M		**007**-Effective **092**-Contract Effective **093**-Contract Expiration
DTM02	373	Date	X	DT	8/8	M	M		Date expressed as CCYYMMDD
EXAMPLE		**DTM*007*20100331~**							

- **DTM** segment is not mandatory if items are not on contract
- **007 - Effective date** supports non contract items that have a future effective date for a price change.
- Contract items **must have both** an Effective and an Expiry date with the correct qualifiers.

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 free form description.

14.Segment – MEA

SEQ	#	Element Name	U	TY	S	MT	PS	VN	Comment/Values
MEA02	738	Measurement Qualifier	O	ID	1./3	M	M		**DI**-Diameter **HM**-Height, Maximum **HT**-Height **LM**-Length, Maximum **LN**-Length **WD**-Width **WM**-Width, Maximum **WT**-Weight
MEA03	739	Measurement value	X	R	1/20	M	M		Measurement value
MEA04	355	Unit or Basis for Measurement Code	M	ID	1/1	M	M		See (Appendix table 1 – Acceptable UOM Values)
Example		**MEA**HT*28*CM MEA**WD*12*CM MEA**LN*22*CM MEA**WT*10*KG**							

- **MEA** can loop as many times as needed to get dimensions and weight for each unit of measure.
- Metric measurements are strongly preferred, Imperial/US if metric is unavailable

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		**GS** – Goods and Services Tax **PG** - State or Provincial Tax on Goods

									SP – State/Provincial Tax **ST** – State Sales Tax
TXI03	954	Percent	C	R	1/10	M	M		Tax rate, as a percentage
TXI06	441	Tax Exempt code	C	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

16. Segment – CTP

SEQ	#	Element Name	U	TY	S	MT	PS	VN	Comment/Values
CTP02	236	Price Identifier Code	X	ID	3/3	M	M		**CAT** – Catalogue Pricing (non contract) **CON** – Contract price **PUR –** Purchase
CTP03	212	Unit Price	X	R	1/17	M	M		Price of item to be charged to customer for purchase of item: E.g.: 12.34
CTP04	380	Quantity	X	R	1/15	M	M		1
CTP05	355	Unit or Basis For Measurement Code	X	ID	2/2	M	M		See (Appendix table 1 – Acceptable UOM Values)
Example		**CTP**CON*12.34*1*CA~**							

- CTP segments are limited to one per LIN loop. Each UOM requires its own LIN loop - An example on how to loop LIN segments for additional UOMs is included below.

Example:

LIN***15***VC*98757-12~ DTM*007*20010411~DTM*036*20101231~PID*F****TEST DIAG GLUCOMETER PREC~TXI*GS**.05***1~TXI*SP**.07***1~ **CTP**CAT*1.2345*1*EA~**
LIN***16***VC*98757-12~ DTM*007*20010411~DTM*036*20101231~PID*F****TEST DIAG GLUCOMETER PREC~TXI*GS**.05***1~TXI*SP**.07***1~ **CTP**CAT*12.3456*1*CA~**

17. 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 LIN segments in transaction
Example		**CTT*786~**							

18. 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~**							

Sample Message

```
ISA*00*   *00*    *ZZ* CHC ISA ID*ZZ*TP's ISA ID*020201*1345*U*00401 *000000789*0*P*>~
GS*SC* CHC GS ID * SUPPLIER GS ID *20020201*1345*789000001*X*004010~
ST*832*789000001~
BCT*PC*6760707*******05~
N1*ST*CUSTOMER NAME HERE*91*12345678~
LIN*1*VC*A-100L*CR*654321-A*MF*MANUFACTURER*MG*12354565*EN*1234567894561~
DTM*007*200202~
PID*F****WIDGE~
PID*F****10EA/B2BX/CA~
TXI*GS**.05***2~
TXI*SP**9.975***2~
CTP**CON*12.34*1*CA~
LIN*2*VC*A-100L*CR*654321-A*MF*MANUFACTURER*MG*12354565*EN*1234567894561~
DTM*007*200202~
PID*F****WIDGE~
PID*F****10EA/B2BX/CA~
TXI*GS**.05***2~
TXI*SP**9.975***2~
CTP**CON*1.34*1*EA~

  . . .

LIN*786*VC*98757-12*VC*A100L*CR*654321*MF*PLACE*MG*12354321*EN*1234567897894~
DTM*007*20010411~
PID*F****TEST DIAG GLUCOMETER PREC~
TXI*GS**.05***1~
TXI*SP**.07***1~
CTP**CAT*1.2345*1*EA~
  . . .

CTT*786~
SE*4721*789000001~
GE*1*789~
IEA*1*000000789~
```