Health Industry Business Communications Council - eBusiness Committee

850 Purchase Order

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.

Notes:

This guideline represents the Animal Health Industry requirements created by the American Veterinary Distributors Association (AVDA).

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	010	ST	Transaction Set Header	M	1		
M	020	BEG	Beginning Segment for Purchase Order	M	1		
	050	REF	Reference Identification	O	>1		
	150	DTM	Date/Time Reference	O	10		
			LOOP ID - N9			1000	
	295	N9	Reference Identification	O	1		
Not Rec	300	MSG	Message Text	O	1000		
			LOOP ID - N1			200	
	310	N1	Name	O	1		
Not Rec	320	N2	Additional Name Information	O	2		
Not Rec	330	N3	Address Information	O	2		
Not Rec	340	N4	Geographic Location	O	>1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - PO1			100000	
M	010	PO1	Baseline Item Data	M	1		n1
			LOOP ID - N9			1000	
	330	N9	Reference Identification	O	1		

| | 332 | DTM | Date/Time Reference | O | >1 | |
| Not Rec | 340 | MSG | Message Text | O | 1000 | |

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - CTT			1	
	010	CTT	Transaction Totals	O	1		n2
M	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.

	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:	
Semantic Notes:	1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	ST01	143	**Transaction Set Identifier Code**	M ID 3/3
			Code uniquely identifying a Transaction Set	
			850 Purchase Order	
M	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:	**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:					
Semantic Notes:	**1** BEG05 is the date assigned by the purchaser to purchase order.				
Comments:					

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**BEG01**	**353**	**Transaction Set Purpose Code**	**M**	**ID 2/2**
			Code identifying purpose of transaction set		
			00 Original		
M	**BEG02**	**92**	**Purchase Order Type Code**	**M**	**ID 2/2**
			Code specifying the type of Purchase Order		
			BK Blanket Order (Quantity Firm)		
			DS Dropship		
			NE New Order		
			RL Release or Delivery Order		
			An order for goods and services placed against a pre-existing contract or blanket order		
			RO Rush Order		
			SA Stand-alone Order		
			SS Supply or Service Order		
			ST Standing Order		
M	**BEG03**	**324**	**Purchase Order Number**	**M**	**AN 1/22**
			Identifying number for Purchase Order assigned by the orderer/purchaser		
M	**BEG05**	**373**	**Date**	**M**	**DT 8/8**
			Date expressed as CCYYMMDD		
	BEG06	**367**	**Contract Number**	**O**	**AN 1/30**
			Contract number		

Segment:		**REF** Reference Identification	
Position:	050		
Loop:			
Level:	Heading		
Usage:	Optional		
Max Use:	>1		
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.	
Semantic Notes:	1	REF04 contains data relating to the value cited in REF02.	
Comments:			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	REF01	128	**Reference Identification Qualifier**	M ID 2/3

Code qualifying the Reference Identification

BD	Bid Number
BK	Broker's Order Number
BL	Government Bill of Lading
CA	Cost Allocation Reference
CO	Customer Order Number
CR	Customer Reference Number
CT	Contract Number
DH	Drug Enforcement Administration Number
DP	Department Number
PD	Promotion/Deal Number
PR	Price Quote Number
RE	Release Number
RQ	Purchase Requisition Number
SA	Salesperson
SR	Sales Responsibility
ST	Store Number
TX	Tax Exempt Number
VC	Vendor Contract Number

	Ref. Des.	Data Element	Name	Attributes
	REF02	127	**Reference Identification**	X AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

	Ref. Des.	Data Element	Name	Attributes
Not Rec	REF03	352	**Description**	X AN 1/80

A free-form description to clarify the related data elements and their content

Segment:	**DTM** Date/Time Reference				
Position:	150				
Loop:					
Level:	Heading				
Usage:	Optional				
Max Use:	10				
Purpose:	To specify pertinent dates and times				
Syntax Notes:	**1**	At least one of DTM02 DTM03 or DTM05 is required.			
	2	If DTM04 is present, then DTM03 is required.			
	3	If either DTM05 or DTM06 is present, then the other is required.			
Semantic Notes:					
Comments:					

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	DTM01	374	**Date/Time Qualifier**		M ID 3/3
			Code specifying type of date or time, or both date and time		
			001	Cancel After	
			002	Delivery Requested	
			010	Requested Ship	
			015	Promotion Start	
			016	Promotion End	
			037	Ship Not Before	
			038	Ship No Later	
			055	Confirmed	
			061	Cancel if Not Delivered by	
			063	Do Not Deliver After	
			064	Do Not Deliver Before	
	DTM02	373	**Date**		X DT 8/8
			Date expressed as CCYYMMDD		

Segment: **N9** Reference Identification
Position: 295
Loop: N9   Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes: 1   At least one of N902 or N903 is required.
2   If N906 is present, then N905 is required.
3   If either C04003 or C04004 is present, then the other is required.
4   If either C04005 or C04006 is present, then the other is required.
Semantic Notes: 1   N906 reflects the time zone which the time reflects.
2   N907 contains data relating to the value cited in N902.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	N901	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			L1 Letters or Notes		
	N902	127	**Reference Identification**	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
	N903	369	**Free-form Description**	X	AN 1/45
			Free-form descriptive text		
	N907	C040	**Reference Identifier**	O	
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier		
M	C04001	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
M	C04002	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:	**MSG** Message Text			
Position:	300			
Loop:	N9 Optional			
Level:	Heading			
Usage:	Optional (Not Recommended)			
Max Use:	1000			
Purpose:	To provide a free-form format that allows the transmission of text information			
Syntax Notes:	1 If MSG03 is present, then MSG02 is required.			
Semantic Notes:	1 MSG03 is the number of lines to advance before printing.			
Comments:	1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.			
	2 If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.			
Notes:	Not Recommended by HIBCC.			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	MSG01	933	**Free-Form Message Text**	M AN 1/264
			Free-form message text	

	Ref.	**Data**		
	Des.	**Element**	**Name**	**Attributes**
M	**N101**	**98**	**Entity Identifier Code**	**M ID 2/3**

Segment: **N1** Name
Position: 310
Loop: N1   Optional
Level: Heading
Usage: Optional
Max Use: 1
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.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.

Data Element Summary

	Ref. Des.	**Data Element**	**Name**	**Attributes**
M	**N101**	**98**	**Entity Identifier Code**	**M ID 2/3**

Code identifying an organizational entity, a physical location, property or an individual

BS	Bill and Ship To	
BT	Bill-to-Party	
BY	Buying Party (Purchaser)	
CN	Consignee	
DB	Distributor Branch	
DS	Distributor	
EN	End User	
MA	Party for whom Item is Ultimately Intended	
MF	Manufacturer of Goods	
SE	Selling Party	
SF	Ship From	
SN	Store	
SO	Sold To If Different From Bill To	
ST	Ship To	
VN	Vendor	
WH	Warehouse	

Not Rec	**N102**	**93**	**Name**	**X 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)

1	D-U-N-S Number, Dun & Bradstreet
2	Standard Carrier Alpha Code (SCAC)
8	UCC/EAN Global Product Identification Prefix

The first part of a UCC/EAN Product Identification Code within the Uniform Code Council (UCC) and International Article Number Association (EAN) numbering system; A globally unique 3 to 10 digit code for the identification of the company assigning the remainder of the ID code, such as U.P.C., EAN-13, SCC-14, EAN-14 or SSCC-18

9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix

	10	Department of Defense Activity Address Code (DODAAC)
	11	Drug Enforcement Administration (DEA)
	21	Health Industry Number (HIN)
	91	Assigned by Seller or Seller's Agent
	92	Assigned by Buyer or Buyer's Agent
	LI	Labeler Identification Code (LIC)

N104   **67**   **Identification Code**   **X**   **AN 2/80**

Code identifying a party or other code

Segment:	**N2** Additional Name Information				
Position:	320				
Loop:	N1 Optional				
Level:	Heading				
Usage:	Optional (Not Recommended)				
Max Use:	2				
Purpose:	To specify additional names or those longer than 35 characters in length				
Syntax Notes:					
Semantic Notes:					
Comments:					
Notes:	Not Recommended by HIBCC				

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	N201	93	**Name**	M	AN 1/60
			Free-form name		
	N202	93	**Name**	O	AN 1/60
			Free-form name		

			Segment:	**N3** Address Information

Segment: **N3** Address Information
Position: 330
Loop: N1   Optional
Level: Heading
Usage: Optional (Not Recommended)
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes: Not Recommended by HIBCC

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	N301	166	**Address Information**	M	AN 1/55
			Address information		
	N302	166	**Address Information**	O	AN 1/55
			Address information		

Segment:	**N4** Geographic Location		
Position:	340		
Loop:	N1 Optional		
Level:	Heading		
Usage:	Optional (Not Recommended)		
Max Use:	>1		
Purpose:	To specify the geographic place of the named party		
Syntax Notes:	1 If N406 is present, then N405 is required.		
Semantic Notes:			
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.		
Notes:	Not Recommended by HIBCC		

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
N401	19	**City Name**	**O AN 2/30**
		Free-form text for city name	
N402	156	**State or Province Code**	**O ID 2/2**
		Code (Standard State/Province) as defined by appropriate government agency	
N403	116	**Postal Code**	**O 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:	**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.
6. If either PO112 or PO113 is present, then the other is required.
7. If either PO114 or PO115 is present, then the other is required.
8. If either PO116 or PO117 is present, then the other is required.
9. If either PO118 or PO119 is present, then the other is required.
10. If either PO120 or PO121 is present, then the other is required.
11. If either PO122 or PO123 is present, then the other is required.
12. If either PO124 or PO125 is present, then the other is required.

Semantic Notes:

Comments:
1. See the Data Element Dictionary for a complete list of IDs.
2. PO101 is the line item identification.
3. PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
PO101	350	**Assigned Identification**	O	AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set		
PO102	330	**Quantity Ordered**	X	R 1/15
		Quantity ordered		
PO103	355	**Unit or Basis for Measurement Code**	O	ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
PO104	212	**Unit Price**	X	R 1/17
		Price per unit of product, service, commodity, etc.		
PO105	639	**Basis of Unit Price Code**	O	ID 2/2
		Code identifying the type of unit price for an item		

CA	Catalog	
CT	Contract	
PE	Price per Each	
PR	Promotion	
UM	Price per Unit of Measure	

Ref. Des.	Data Element	Name	Attributes	
PO106	235	**Product/Service ID Qualifier**	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		

AT	Assortability Code	
CB	Buyer's Catalog Number	
CE	Class of Contract Code	
CG	Commodity Grouping	
CR	Contract Number	
DG	Discount Grouping	
FS	National Stock Number	
HI	HIBC (Health Care Industry Bar Code)	

		IN	Buyer's Item Number		
		LT	Lot Number		
		MF	Manufacturer		

HIBCC recommends the use of the Labeler Identification Code (LIC) to identify the manufacturer.

		MG	Manufacturer's Part Number		
		N1	National Drug Code in 4-4-2 Format		

4-digit manufacturer ID, 4-digit product ID, 2-digit trade package size

		N2	National Drug Code in 5-3-2 Format		

5-digit manufacturer ID, 3-digit product ID, 2-digit trade package size

		N3	National Drug Code in 5-4-1 Format		

5-digit manufacturer ID, 4-digit product ID, 1-digit trade package size

		N4	National Drug Code in 5-4-2 Format		

5-digit manufacturer ID, 4-digit product ID, 2-digit trade package size

		N5	National Health Related Item Code in 5-5 Format		
		N6	National Health Related Item Code in 4-6 Format		
		ND	National Drug Code (NDC)		
		NH	National Health Related Item Code		
		PL	Purchaser's Order Line Number		
		SN	Serial Number		
		TP	Product Type Code		
		UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)		

A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit

		UP	U.P.C. Consumer Package Code (1-5-5-1)		
		VC	Vendor's (Seller's) Catalog Number		
PO107	**234**	**Product/Service ID**		**X**	**AN 1/48**

Identifying number for a product or service

PO108	**235**	**Product/Service ID Qualifier**		**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

See PO106 for code list.

PO109	**234**	**Product/Service ID**		**X**	**AN 1/48**

Identifying number for a product or service

PO110	**235**	**Product/Service ID Qualifier**		**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

See PO106 for code list.

PO111	**234**	**Product/Service ID**		**X**	**AN 1/48**

Identifying number for a product or service

PO112	**235**	**Product/Service ID Qualifier**		**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

See PO106 for code list.

PO113	**234**	**Product/Service ID**		**X**	**AN 1/48**

Identifying number for a product or service

PO114   **235**   **Product/Service ID Qualifier**   **X   ID 2/2**

Code identifying the type/source of the descriptive number used in
Product/Service ID (234)
See PO106 for code list.

PO115   **234**   **Product/Service ID**   **X   AN 1/48**

Identifying number for a product or service

Segment:	**N9** Reference Identification				

Segment: **N9** Reference Identification
Position: 330
Loop: N9   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes: 1   At least one of N902 or N903 is required.
    2   If N906 is present, then N905 is required.
    3   If either C04003 or C04004 is present, then the other is required.
    4   If either C04005 or C04006 is present, then the other is required.
Semantic Notes: 1   N906 reflects the time zone which the time reflects.
    2   N907 contains data relating to the value cited in N902.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	N901	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			E4 Charge Card Number		
			L1 Letters or Notes		
			PSM Credit Card		
	N902	127	**Reference Identification**	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			Credit or Charge Card Number if code value in N901 is E4 or PSM.		
	N903	369	**Free-form Description**	X	AN 1/45
			Free-form descriptive text		
			Credit or Charge Card Name i.e. Visa, Master Card, American Express.		
	N907	C040	**Reference Identifier**	O	
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier		
	C04001	128	**Reference Identification Qualifier**	X	ID 2/3
			Code qualifying the Reference Identification		
			06 System Number		
			A unique number assigned by the manufacturer to identify the initial computer system sold to the customer		
			0F Subscriber Number		
			11 Account Number		
			Number identifies a telecommunications industry account		
			1W Member Identification Number		
			Unique identification number assigned to each member under a subscriber's contract		
			23 Client Number		
	C04002	127	**Reference Identification**	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
	C04003	128	**Reference Identification Qualifier**	X	ID 2/3
			Code qualifying the Reference Identification		
	C04004	127	**Reference Identification**	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

	Segment:	**DTM** Date/Time Reference

Segment: **DTM** Date/Time Reference
Position: 332
Loop: N9   Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify pertinent dates and times
Syntax Notes: 1   At least one of DTM02 DTM03 or DTM05 is required.
2   If DTM04 is present, then DTM03 is required.
3   If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	DTM01	374	**Date/Time Qualifier**	M	ID 3/3
			Code specifying type of date or time, or both date and time		
			036 Expiration		
			Date coverage expires		
	DTM05	1250	**Date Time Period Format Qualifier**	X	ID 2/3
			Code indicating the date format, time format, or date and time format		
			TQ Date Expressed in Format MMYY		
	DTM06	1251	**Date Time Period**	X	AN 1/35
			Expression of a date, a time, or range of dates, times or dates and times		
			Credit or Charge Card Expiration Date in MMYY.		

	Segment:	**MSG** Message Text
	Position:	340
	Loop:	N9 Optional
	Level:	Detail
	Usage:	Optional (Not Recommended)
	Max Use:	1000
	Purpose:	To provide a free-form format that allows the transmission of text information
	Syntax Notes:	1 If MSG03 is present, then MSG02 is required.
	Semantic Notes:	1 MSG03 is the number of lines to advance before printing.
	Comments:	1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
		2 If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.
	Notes:	Not Recommended by HIBCC.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**MSG01**	**933**	**Free-Form Message Text**	**M AN 1/264**
			Free-form message text	

Segment: **CTT** **Transaction Totals**
Position: 010
Loop: CTT   Optional
Level: Summary
Usage: Optional
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.
Semantic Notes:
Comments: **1**   This segment is intended to provide hash totals to validate transaction completeness
            and correctness.

Data Element Summary

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

Segment:	**SE** Transaction Set Trailer			

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

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	SE01	96	**Number of Included Segments**	**M**	**N0 1/10**
			Total number of segments included in a transaction set including ST and SE segments		
M	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		