Scan Based Trading (SBT) Program, 816 Organizational Relationships

ANSI X12-4010
Supplier Implementation Guide
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816 Organizational Relationships

Functional Group ID=OR

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Organizational Relationships Transaction Set (816) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set can be used to transmit pertinent information about a parent organization, its members and the relationship of a member to another member, and/or to the parent organization. A parent organization could be an association, a multi-hospital system, a chain of retail stores, a holding company, etc. This transaction set can be used to convey the identity and relationship of members to a parent organization; identify eligibility to purchase under the terms and conditions negotiated by a parent organization on behalf of its members; and to update application databases.

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	BHT	Beginning of Hierarchical Transaction	M	1		n1
	030	DTM	Date/Time Reference	O	10		
			LOOP ID - N1			>1	
M	040	N1	Name	M	1		n2

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - HL			>1	
M	010	HL	Hierarchical Level	M	1		
			LOOP ID - N1			>1	
M	020	N1	Name	M	1		n3
Must Use	070	REF	Reference Identification	O	12		
	100	ASI	Action or Status Indicator	O	1		
M	110	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. BHT03 and BHT04 are mandatory.
2. The N1 loop shall identify the transaction set issuer and optionally provide contact information if necessary.
3. N105, when used, defines the relationship of the entity designated in N102 or N104 to its parent organization.

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:	
Notes:	Example: ST*816*100001~

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	
			Field Content = 816	
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:	**BHT** Beginning of Hierarchical Transaction	
Position:	020	
Loop:		
Level:	Heading	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To define the business hierarchical structure of the transaction set and identify the business application purpose and reference data, i.e., number, date, and time	
Syntax Notes:		
Semantic Notes:	1	BHT03 is the number assigned by the originator to identify the transaction within the originator's business application system.
	2	BHT04 is the date the transaction was created within the business application system.
	3	BHT05 is the time the transaction was created within the business application system.
Comments:		
Notes:	Example: BHT*0065*00**20220515*01~	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	BHT01	1005	**Hierarchical Structure Code**	M	ID 4/4
			Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set		
			0065 = Company, Operating Unit		
M	BHT02	353	**Transaction Set Purpose Code**	M	ID 2/2
			Code identifying purpose of transaction set		
			00 = Original		
	BHT04	373	**Date**	O	DT 8/8
			Date expressed as CCYYMMDD		
			Date of Creation (CCYYMMDD)		
	BHT06	640	**Transaction Type Code**	O	ID 2/2
			Code specifying the type of transaction		
			02= Store Location - Vendor Relationship Information		

Segment: **DTM** Date/Time Reference
Position: 030
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:
Notes: Example: DTM*007*20220515~

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		
			007 = SBT Transaction Date		
	DTM02	373	**Date**	X	DT 8/8
			Date expressed as CCYYMMDD		
			Transaction Date (CCYYMMDD)		

Segment: **N1** Name
Position: 040
Loop: N1   Mandatory
Level: Heading
Usage: Mandatory
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.
Notes: Example: N1*FR*CVS CORP*93*001786664~

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		
			FR = From		
	N102	93	**Name**	X	AN 1/60
			Free-form name		
			Retailer Name = CVS Corp		
	N103	66	**Identification Code Qualifier**	X	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
			1 = Dun & Bradstreet #		
	N104	67	**Identification Code**	X	AN 2/80
			Code identifying a party or other code		
			CVS Health Dun & Bradstreet # = 001786664		

Segment: **HL** Hierarchical Level
Position: 010
Loop: HL   Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments
Syntax Notes:
Semantic Notes:
Comments:

1   The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
The HL segment defines a top-down/left-right ordered structure.

2   HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.

3   HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.

4   HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.

5   HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

Notes: Examples:

HL*1*0*36~
HL*2*1*36~

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	HL01	628	**Hierarchical ID Number**	M	AN 1/12

A unique number assigned by the sender to identify a particular data segment in a hierarchical structure

Field Contents: 1, 2, 3...

Incrementing by 1 for each detail loop.

M	HL03	735	**Hierarchical Level Code**	M	ID 1/2

Code defining the characteristic of a level in a hierarchical structure

36 = Operating Unit

Segment:	**N1** Name				
Position:	020				
Loop:	N1	Mandatory			
Level:	Detail				
Usage:	Mandatory				
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.			
Notes:	Examples: N1*SN*CVS PHARMACY INC.*93*11463~ N1*SN*HOOK-SUPERX L.L.C.*93*3195~				

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		
			SN = Store Number		
	N102	93	**Name**	X	**AN 1/60**
			Free-form name		
			Store Name		
	N103	66	**Identification Code Qualifier**	X	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)		
			93 = User Defined Qualifier, Store Number		
	N104	67	**Identification Code**	X	**AN 2/80**
			Code identifying a party or other code		
			CVS Store Number		

Segment:	**REF** Reference Identification
Position:	070
Loop:	N1 Mandatory
Level:	Detail
Usage:	Optional (Must Use)
Max Use:	12
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		
			VR = Vendor ID Number		
	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		
			SBT Vendor Number		
	REF03	352	**Description**	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
			CVS Health Cost Zone		

Segment: **ASI** Action or Status Indicator
Position: 100
Loop: N1   Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To indicate the action to be taken with the information provided or the status of the entity described
Syntax Notes:
Semantic Notes:
Comments:
Notes: Example: ASI*2*001~

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	ASI01	306	Action Code	M	ID 1/2
			Code indicating type of action		
			2 = Change		
M	ASI02	875	Maintenance Type Code	M	ID 3/3
			Code identifying the specific type of item maintenance		
			001 = Change 021 = Addition		
	ASI03	641	Status Reason Code	O	ID 3/3
			Code indicating the status reason		

Segment: **SE** Transaction Set Trailer
Position: 110
Loop:
Level: Detail
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.
Notes: Example: SE*3205*100001~

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		

Example:

ISA*00*   *00*   *01*SENDERID   *ZZ*RECEIVERID
*220909*0745*U*00401*000001036*0*P*^~

GS*OR* SENDERID* RECEIVERID*20220909*0745*1036*X*004010~

ST*816*0001~

BHT*0065*00**20221022**02~

DTM*007*20221022~

N1*FR*CVS CORP*93*001786664~

HL*1**36~

N1*SN*CVS PHARMACY INC.*93*15~

REF*VN*2A123*29588~

ASI*2*001~

HL*2**36~

N1*SN*LOUISIANA CVS PHARMACY L.L.C.*93*16~

REF*VN*2A123*29588~

ASI*2*001~

HL*3**36~

N1*SN*VIRGINIA CVS PHARMACY L.L.C.*93*18~

REF*VN*2A123*29588~

ASI*2*001~

HL*4**36~

N1*SN*CVS PHARMACY INC.*93*20~

REF*VN*2A123*29588~

ASI*2*001~

SE*21*0001~

GE*1*1036~

IEA*1*000001036~