997 Delhaize America DSD Functional Acknowledgment Version 5010

Functional Group ID=FA

Introduction:

The transaction set can be used to define the control structures for a set of acknowledgments to indicate the results of the syntactical analysis of the electronically encoded documents. The encoded documents are the transaction sets, which are grouped in functional groups, used in defining transactions for business data interchange. This standard does not cover the semantic meaning of the information encoded in the transaction sets.

Notes:

The company will use the following delimiters for all EDI transactions, unless otherwise noted:
Segment - Hex value A1 (tilde ~)   Element - Asterisk (*)   Subelement - Colon (:)

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	0050	ISA	Interchange Control Header	M	1		
M	0075	GS	Functional Group Header	M	1		
M	0100	ST	Transaction Set Header	M	1		n1
M	0200	AK1	Functional Group Response Header	M	1		n2
			LOOP ID - AK2			>1	
	0300	AK2	Transaction Set Response Header	O	1		n3
			LOOP ID - AK3			>1	
	0400	AK3	Data Segment Note	O	1		c1
	0500	AK4	Data Element Note	O	99		
M	0600	AK5	Transaction Set Response Trailer	M	1		
M	0700	AK9	Functional Group Response Trailer	M	1		
M	0800	SE	Transaction Set Trailer	M	1		
M	0900	GE	Functional Group Trailer	M	1		
M	1000	IEA	Interchange Control Trailer	M	1		

Transaction Set Notes

1. These acknowledgments shall not be acknowledged, thereby preventing an endless cycle of acknowledgments of acknowledgments.   Nor shall a Functional Acknowledgment be sent to report errors in a previous Functional Acknowledgment.
   There is only one Functional Acknowledgment Transaction Set per acknowledged functional group.
   Only one acknowledgement, either a single Transaction Set 997 or a single Transaction Set 999, should be generated for a functional group unless mutually agreed upon.
2. AK1 is used to respond to the functional group header and to start the acknowledgment for a functional group. There shall be one AK1 segment for the functional group that is being acknowledged.
   The Functional Acknowledgement is generated at the point of translation, intended for the originator (not any intermediate parties).
   The Functional Group Header Segment (GS) is used to start the envelope for the Functional Acknowledgment Transaction Sets. In preparing the functional group of acknowledgments, the application sender's code and the application receiver's code, taken from the functional group being acknowledged, are exchanged; therefore, one acknowledgment functional group responds to only those functional groups from one application receiver's code to one application sender's code.

3.   AK2 is used to start the acknowledgment of a transaction set within the received functional group. The AK2 segments shall appear in the same order as the transaction sets in the functional group that has been received and is being acknowledged.

Transaction Set Comments

1.   The data segments of this standard are used to report the results of the syntactical analysis of the functional groups of transaction sets; they report the extent to which the syntax complies with the standards or proper subsets of transaction sets and functional groups. They do not report on the semantic meaning of the transaction sets (for example, on the ability of the receiver to comply with the request of the sender).

	Segment:	**ISA**	**Interchange Control Header**

Segment: **ISA** **Interchange Control Header**
Position: 0050
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	ISA01	I01	**Authorization Information Qualifier**	M	1	ID 2/2
		00	No Authorization Information Present (No Meaningful Information in I02)			
M	ISA03	I03	**Security Information Qualifier**	M	1	ID 2/2
		00	No Security Information Present (No Meaningful Information in I04)			
M	ISA05	I05	**Interchange ID Qualifier**	M	1	ID 2/2
			For Functional Acknowledgments received from our company the Qualifier will be '07'.			
			For Functional Acknowledgments transmitted to our company, we will expect the appropriate Qualifer for the trading partner.			
M	ISA06	I06	**Interchange Sender ID**	M	1	AN 15/15
			For Functional Acknowledgments received from our company, the Sender ID will be '5400110000009'.			
			For Functional Acknowledgments transmitted to our company, we will expect the appropriate Sender ID for the Trading Partner.			
M	ISA07	I05	**Interchange ID Qualifier**	M	1	ID 2/2
			For Functional Acknowledgments transmitted to our company, the Qualifier will be '07'.			
			For Functional Acknowledgments transmitted from our company, we will transmit the appropriate Qualifer for the trading partner.			
M	ISA08	I07	**Interchange Receiver ID**	M	1	AN 15/15
			For Functional Acknowledgments received from our company, the Receiver ID will be the appropriate ID for the Trading Partner.			
			For Functional Acknowledgments transmitted to our company, the Receiver ID will be '5400110000009'.			
M	ISA09	I08	**Interchange Date**	M	1	DT 6/6
M	ISA10	I09	**Interchange Time**	M	1	TM 4/4
M	ISA11	I65	**Repetition Separator**	M	1	AN 1/1
M	ISA12	I11	**Interchange Control Version Number**	M	1	ID 5/5
		00501	Standards Approved for Publication by ASC X12 Procedures Review Board through October 2003			
M	ISA13	I12	**Interchange Control Number**	M	1	N0 9/9
M	ISA14	I13	**Acknowledgment Requested**	M	1	ID 1/1
		0	No Acknowledgment Requested			
M	ISA15	I14	**Usage Indicator**	M	1	ID 1/1
		P	Production Data			
		T	Test Data			
M	ISA16	I15	**Component Element Separator**	M	1	AN 1/1

Segment:			**GS** Functional Group Header	
Position:			0075	
Loop:				
Level:				
Usage:			Mandatory	
Max Use:			1	
Purpose:			To indicate the beginning of a functional group and to provide control information	
Syntax Notes:				
Semantic Notes:			**1** GS04 is the group date.	
			2 GS05 is the group time.	
			3 The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.	
Comments:			**1** A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	GS01	479	**Functional Identifier Code**	M	1 ID 2/2
			FA	Functional or Implementation Acknowledgment Transaction Sets (997, 999)	
M	GS02	142	**Application Sender's Code**	M	1 AN 2/15
			For Functional Acknowledgments received at our company, the Sender's Code will be the appropriate Trading Partner Code. For Functional Acknowledgments transmitted by our company, the Sender's Code will be '540011000DSD'.		
M	GS03	124	**Application Receiver's Code**	M	1 AN 2/15
			For Functional Acknowledgments received at our company, the Receiver's Code will be '540011000DSD'. For Functional Acknowledgments transmitted by our company, the Receiver's Code will be the appropriate Trading Partner Code.		
M	GS04	373	**Date**	M	1 DT 8/8
M	GS05	337	**Time**	M	1 TM 4/8
M	GS06	28	**Group Control Number**	M	1 N0 1/9
M	GS07	455	**Responsible Agency Code**	M	1 ID 1/2
			X	Accredited Standards Committee X12	
M	GS08	480	**Version / Release / Industry Identifier Code**	M	1 AN 1/12
			005010	Standards Approved for Publication by ASC X12 Procedures Review Board through October 2003	

Segment:			**ST** Transaction Set Header	
Position:			0100	
Loop:				
Level:				
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).	
			2 The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to	

match the transaction set definition.   When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.

Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	ST01	143	**Transaction Set Identifier Code**	M	1	**ID 3/3**
			997 Functional Acknowledgment			
M	ST02	329	**Transaction Set Control Number**	M	1	**AN 4/9**
	ST03	1705	**Implementation Convention Reference**	O	1	**AN 1/35**

Segment:	**AK1** Functional Group Response Header
Position:	0200
Loop:	
Level:	
Usage:	Mandatory
Max Use:	1
Purpose:	To start acknowledgment of a functional group
Syntax Notes:	
Semantic Notes:	**1** AK101 is the functional ID found in the GS segment (GS01) in the functional group being acknowledged.
	2 AK102 is the functional group control number found in the GS segment in the functional group being acknowledged.
	3 AK103 is the version release industry identifier code in the GS segment (GS08) in the functional group being acknowledged.
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	AK101	479	**Functional Identifier Code**	M	1	**ID 2/2**
M	AK102	28	**Group Control Number**	M	1	**N0 1/9**

Segment:	**AK2** Transaction Set Response Header
Position:	0300
Loop:	AK2 Optional
Level:	
Usage:	Optional
Max Use:	1
Purpose:	To start acknowledgment of a single transaction set
Syntax Notes:	
Semantic Notes:	**1** AK201 is the transaction set ID found in the ST segment (ST01) in the transaction set being acknowledged.
	2 AK202 is the transaction set control number found in the ST segment in the transaction set being acknowledged.
	3 AK203 is the implementation convention reference, if any, found in the ST segment (ST03) in the transaction set being acknowledged.
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	AK201	143	**Transaction Set Identifier Code**	M	1	**ID 3/3**
M	AK202	329	**Transaction Set Control Number**	M	1	**AN 4/9**

	Segment:	**AK3** Data Segment Note				
	Position:	0400				
	Loop:	AK3	Optional			
	Level:					
	Usage:	Optional				
	Max Use:	1				
	Purpose:	To report errors in a data segment and identify the location of the data segment				
	Syntax Notes:					
	Semantic Notes:					
	Comments:					

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	AK301	721	**Segment ID Code**	M	1	ID 2/3
			Code Defining the Segment in Error			
M	AK302	719	**Segment Position in Transaction Set**	M	1	N0 1/10
			The Numerical Count Position of the Segment in the Transaction Set			
	AK303	447	**Loop Identifier Code**	O	1	AN 1/4
			Code Identifying a Loop within the Transaction Set			
	AK304	720	**Segment Syntax Error Code**	O	1	ID 1/3
			Code Identifying the Syntax Error in the Segment			
		1	Unrecognized segment ID			
		2	Unexpected segment			
		3	Mandatory segment missing			
		4	Loop Occurs Over Maximum Times			
		5	Segment Exceeds Maximum Use			
		6	Segment Not in Defined Transaction Set			
		7	Segment Not in Proper Sequence			
		8	Segment Has Data Element Errors			

	Segment:	**AK4** Data Element Note				
	Position:	0500				
	Loop:	AK3	Optional			
	Level:					
	Usage:	Optional				
	Max Use:	99				
	Purpose:	To report errors in a data element or composite data structure and identify the location of the data element				
	Syntax Notes:					
	Semantic Notes:	1 In no case shall a value be used for AK404 that would generate a syntax error, e.g., an invalid character.				
	Comments:					
	Notes:	Required if AK3 is used.				

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	AK401	C030	**Position in Segment**	M	1	
M	C03001	722	**Element Position in Segment**	M		N0 1/2
	C03002	1528	**Component Data Element Position in Composite**	O		N0 1/2
	C03003	1686	**Repeating Data Element Position**	O		N0 1/4
	AK402	725	**Data Element Reference Number**	O	1	N0 1/4
			Reference Number of the Element in the Data Element Dictionary			

M	AK403	723	**Data Element Syntax Error Code**	M	1	ID 1/3

1	Mandatory data element missing
2	Conditional required data element missing.
3	Too many data elements.
	More data elements existed than defined for the segment
4	Data element too short.
5	Data element too long.
6	Invalid character in data element.
7	Invalid code value.
8	Invalid Date
9	Invalid Time
10	Exclusion Condition Violated

	AK404	724	**Copy of Bad Data Element**	O	1	AN 1/99

Segment:	**AK5** Transaction Set Response Trailer
Position:	0600
Loop:	AK2 Optional
Level:	
Usage:	Mandatory
Max Use:	1
Purpose:	To acknowledge acceptance or rejection and report errors in a transaction set
Syntax Notes:	
Semantic Notes:	
Comments:	
Notes:	Required if AK2 is used.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	AK501	717	**Transaction Set Acknowledgment Code**	M	1	ID 1/1

A	Accepted
E	Accepted But Errors Were Noted
R	Rejected

Segment:	**AK9** Functional Group Response Trailer
Position:	0700
Loop:	
Level:	
Usage:	Mandatory
Max Use:	1
Purpose:	To acknowledge acceptance or rejection of a functional group and report the number of included transaction sets from the original trailer, the accepted sets, and the received sets in this functional group
Syntax Notes:	
Semantic Notes:	
Comments:	1 If AK901 contains the value "A" or "E", then the transmitted functional group is accepted.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	AK901	715	**Functional Group Acknowledge Code**	M	1	ID 1/1

A	Accepted
E	Accepted, But Errors Were Noted.

		P	Partially Accepted, At Least One Transaction Set Was Rejected			
		R	Rejected			
M	AK902	97	**Number of Transaction Sets Included**	M	1	N0 1/6
M	AK903	123	**Number of Received Transaction Sets**	M	1	N0 1/6
M	AK904	2	**Number of Accepted Transaction Sets**	M	1	N0 1/6

Segment:	**SE** Transaction Set Trailer
Position:	0800
Loop:	
Level:	
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	1	N0 1/10
M	SE02	329	**Transaction Set Control Number**	M	1	AN 4/9

Segment:	**GE** Functional Group Trailer
Position:	0900
Loop:	
Level:	
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the end of a functional group and to provide control information
Syntax Notes:	
Semantic Notes:	**1** The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.
Comments:	**1** The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	GE01	97	**Number of Transaction Sets Included**	M	1	N0 1/6
M	GE02	28	**Group Control Number**	M	1	N0 1/9

Segment:	**IEA** Interchange Control Trailer
Position:	1000
Loop:	
Level:	
Usage:	Mandatory
Max Use:	1
Purpose:	To define the end of an interchange of zero or more functional groups and interchange-related control segments
Syntax Notes:	
Semantic Notes:	
Comments:	

<div align="center">**Data Element Summary**</div>

	Ref. Des.	Data Element	Name		Attributes	
M	IEA01	I16	Number of Included Functional Groups	M	1	N0 1/5
M	IEA02	I12	Interchange Control Number	M	1	N0 9/9