997 Infor Supplier Exchange - Generic Functional Acknowledgment / Version 004010

Introduction

This Draft Standard for Trial Use contains the format and establishes the data contents of the Functional Acknowledgment Transaction Set (997) for use within the context of an Electronic Data Interchange (EDI) environment. 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.

	Pos. No.	Seg. ID	Name	Req. Des.	Loop Max.Use	Notes and Repeat	Comments
M	010	ST	Transaction Set Header	M	1		n1
M	020	AK1	Functional Group Response Header	M	1		n2
			LOOP ID - AK2			999999	
	030	AK2	Transaction Set Response Header	O	1		n3
M	060	AK5	Transaction Set Response Trailer	M	1		
M	070	AK9	Functional Group Response Trailer	M	1		
M	080	SE	Transaction Set 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.
   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.
   There is only one Functional Acknowledgment Transaction Set per acknowledged functional group.
2. AK1 is used to respond to the functional group header and to start the acknowledgement for a functional group. There shall be one AK1 segment for the functional group that is being acknowledged.
3. AK2 is used to start the acknowledgement 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.

Segment: **ST** **Transaction Set Header**

Position: 010

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).

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

      997   Functional Acknowledgment

	Ref. Des.	Data Element	Name Attributes		
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

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Segment: **AK1** **Functional Group Response Header**

Position: 020

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.

Comments:

Data Element Summary

	Ref. Des.	Data Element	Name Attributes		
M	AK101	479	**Functional Identifier Code**	M	ID 2/2

Code identifying a group of application related transaction sets

Refer to 004010 Data Element Dictionary for acceptable code values.

M   **AK102**   **28**   **Group Control Number**   **M**   **N0 1/9**

Assigned number originated and maintained by the sender

Segment: **AK2** **Transaction Set Response Header**
Position: 030
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.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	AK201	143	**Transaction Set Identifier Code**		M	ID 3/3

Code uniquely identifying a Transaction Set

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	Ref. Des.	Data Element	Name	Attributes		
M	AK202	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: **AK5** **Transaction Set Response Trailer**
Position: 060
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:

Data Element Summary

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

Code indicating accept or reject condition based on the syntax editing of the transaction set

A Accepted

R   Rejected

Segment: **AK9** Functional Group Response Trailer
Position: 070
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: If AK901 contains the value "A" or "E", then the transmitted functional group is accepted.

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Data Element Summary

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

Code indicating accept or reject condition based on the syntax editing of the functional group

A		Accepted
R		Rejected

	Ref. Des.	Data Element	Name	Attributes	
M	AK902	97	**Number of Transaction Sets Included**	M	**N0 1/6**

Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element

	Ref. Des.	Data Element	Name	Attributes	
M	AK903	123	**Number of Received Transaction Sets**	M	**N0 1/6**

Number of Transaction Sets received

	Ref. Des.	Data Element	Name	Attributes	
M	AK904	2	**Number of Accepted Transaction Sets**	M	**N0 1/6**

Number of accepted Transaction Sets in a Functional Group

Segment: **SE** Transaction Set Trailer
Position: 080
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	**N0 1/10**

Total number of segments included in a transaction set including ST and SE segments

	Ref. Des.	Data Element	Name	Attributes	
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

Generic Functional Acknowledgement Example

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ISA*00*          *00*          *ZZ*174080838CORP  *01*119076131
*040811*1430*U*00204*000000256*0*P*~
GS*FA*174080838CORP*119076131*040811*1430*256*X*004010
ST*997*0001
AK1*SH*100
AK2*856*1000001
AK9*A*1*1*1
SE*5*0001
GE*1*256
IEA*1*000000256
```