

Freight Trust and Clearing

997 ASC 12

**** Development Version ****

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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
SyntaxNotes:

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.		Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ST01	143	Transaction Set Identifier Code	M ID 3/3
			Code uniquely identifying a Transaction Set 997 Functional Acknowledgment	
Must Use	ST02	329	Transaction Set Control Number	M AN4/9
Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set The control number is assigned by the sender. It should be sequentially assigned within each functional group to aid in error recovery and research. The control number in the SE segment (SE02) must be identical to the control number in the ST segment for each transaction.				

Segment: **AK1 Functional Group Response Header**

Position: 020

Loop:

Level:

Usage: Mandatory

Max Use: 1

Purpose: To start acknowledgment of a functional group

SyntaxNotes:

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.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	AK101	479	Functional Identifier Code	M ID 2/2
	Code identifying a group of application related transaction sets See semantic note #1. Refer to 004010 Data Element Dictionary for acceptable code values.			
Must Use	AK102	28	Group Control Number	M N01/9
	Assigned number originated and maintained by the sender Control number as it appears in the GS06 if the functional group being acknowledged.			

Segment: **AK2 Transaction Set ResponseHeader**

Position: 030

Loop: AK2 Optional

Level:

Usage: Optional

Max Use: 1

Purpose: To start acknowledgment of a single transaction set
SyntaxNotes:

- 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:

Notes: USAGE: Recommended when any error condition is detected (if AK901 does not equal "A").

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	AK201	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set See semantic note #1. Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 3/3
Must Use	AK202	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set Control number as it appears in the ST02 of the transaction being acknowledged.	M AN4/9

USAGE: Optional. If multiple errors per segment need to be identified then the entire AK3 loop should be repeated for each segment error condition with that error being properly reported in AK304.

Segment:	AK3 Data Segment Note			
Position:	040			
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:				
Notes:				

Data Element Summary

Ref.	Data			
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	AK301	721	Segment ID Code	M ID 2/3
			Code defining the segment ID of the data segment in error (See Appendix A - Number 77)	
Must Use	AK302	719	Segment Position in Transaction Set	M N01/6
			The numerical count position of this data segment from the start of the transaction set: the transaction set header is count position 1	
	AK303	447	Loop Identifier Code	O AN1/6
			The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE	
	AK304	720	Segment Syntax Error Code	O ID 1/3
			Code indicating error found based on the syntax editing of a segment If the code is a single character in length, any space before or after the	

single character will not be considered to be an equivalent value. For example, this means that "1" is valid, and " 1" (blank-1) and "1 " (1-blank) are not valid.

1. Unrecognized segmentID
2. Unexpected segment
3. Mandatory segmentmissing
4. Loop Occurs Over MaximumTimes
5. Segment Exceeds MaximumUse
6. Segment Not in Defined TransactionSet
7. Segment Not in ProperSequence
8. Segment Has Data ElementErrors

Segment: AK4 Data ElementNote

Position: 050

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:

Data Element Summary				
	Ref.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	AK401	C030	Position in Segment	M
			Code indicating the relative position of a simple data element, or the relative position of a composite data structure combined with the relative position of the component data element within the composite data structure, in error; the count starts with 1 for the simple data element or composite data structure immediately following the segment ID	
Must Use	C03001	722	Element Position in Segment	M NO 1/2
			This is used to indicate the relative position of a simple data element, or the relative position of a composite data structure with the relative position of the component within the composite data structure, in error; in the data segment the count starts with 1 for the simple data element or composite data structure immediately following the segment ID	
	C03002	1528	Component Data Element Position in Composite	O NO 1/2
			To identify the component data element position within the composite that is in error	
	AK402	725	Data Element Reference Number	O NO 1/4

Reference number used to locate the data element in the Data Element Dictionary

Must
Use

AK403

723

Data Element Syntax Error Code

M ID 1/3

Code indicating the error found after syntax edits of a data element

1. Mandatory data element missing
2. Conditional required data element missing.
3. Too many data elements.
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

Copy of Bad Data Element

O AN 1/99

AK404

724

This is a copy of the data element in error