

997 Functional Acknowledgment

Functional Group ID=**FA**

Introduction:

The purpose of this standard is 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.

| <u>Pos. No.</u> | <u>Seg. ID</u> | <u>Name</u> | <u>Req. Des.</u> | <u>Max.Use</u> | <u>Loop Repeat</u> | <u>Notes and Comments</u> |
|-----------------|----------------|-----------------------------------|------------------|----------------|--------------------|---------------------------|
| 010 | ST | Transaction Set Header | M | 1 | | |
| 020 | AK1 | Functional Group Response Header | M | 1 | | |
| | | LOOP ID - AK2 | | | 999999 | |
| 030 | AK2 | Transaction Set Response Header | O | 1 | | |
| | | LOOP ID - AK3 | | | 999999 | |
| 040 | AK3 | Data Segment Note | O | 1 | | |
| 050 | AK4 | Data Element Note | O | 99 | | |
| 060 | AK5 | Transaction Set Response Trailer | O | 1 | | |
| 070 | AK9 | Functional Group Response Trailer | M | 1 | | |
| 080 | SE | Transaction Set Trailer | M | 1 | | |

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:
Comments: 1 The transaction set identifier (ST01) is intended for use by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the invoice transaction set).

Data Element Summary

| Ref. | Des. | Data Element | Name | Attributes |
|----------|------|--------------|--|------------|
| Must Use | ST01 | 143 | Transaction Set Identifier Code | M ID 3/3 |
| | | | Code uniquely identifying a Transaction Set | |
| | | | 997 X12.20 Functional Acknowledgment | |
| Must Use | ST02 | 329 | Transaction Set Control Number | M AN 4/9 |
| | | | Identifying control number assigned by the originator for a Transaction Set. Also see: Data Interchange Control Number (28.) | |

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:
Comments: 1 AK102 is the data interchange control number found in the GS segment in the functional group being acknowledged.

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 | | |
| Must Use AK102 | 28 | Data Interchange Control Number | M | N0 1/9 |
| | | Assigned number originated and maintained by the sender | | |

Segment: **AK2** Transaction Set Response Header
Position: 030
Loop: AK2
Level:
Usage: Optional
Max Use: 1
Purpose: To start acknowledgment of a single transaction set
Syntax Notes:
Semantic Notes:
Comments: 1 AK202 is the transaction set control number found in the ST segment in the transaction set being acknowledged.

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
|-------------|-------------|----------------|--|-------------------|
| Must Use | AK201 | 143 | Transaction Set Identifier Code Code uniquely identifying a Transaction Set Refer to 002003 Data Element Dictionary for acceptable code values. | M ID 3/3 |
| Must Use | AK202 | 329 | Transaction Set Control Number Identifying control number assigned by the originator for a Transaction Set. Also see: Data Interchange Control Number (28.) | M AN 4/9 |

Segment: **AK3** Data Segment Note
Position: 040
Loop: AK3
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

| <u>Ref.</u> | <u>Data</u> | <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
|-------------|-------------|----------------|---|-------------------|
| Must Use | AK301 | 721 | Segment ID Code Code defining the segment ID of the data segment in error. See Segment Directory. | M ID 2/3 |
| Must Use | AK302 | 719 | Segment Position in Transaction Set The numerical count position of this data segment from the start of the transaction set: the transaction set header is count position 1 | M N0 1/6 |
| | AK303 | 447 | Loop Identifier Code Code identifying a loop within the transaction set which is bounded by the related LS and LE segments (corresponding LS and LE segments must have the same value for loop identifier). (Note: The loop ID number given on the transaction set diagram is recommended as the value for this data element in segments LS and LE.) | O ID 1/4 |
| | AK304 | 720 | Segment Syntax Error Code Code indicating error found based on the syntax editing of a segment Refer to 002003 Data Element Dictionary for acceptable code values. | O ID 1/3 |

Segment: **AK4** Data Element Note
Position: 050
Loop: AK3
Level:
Usage: Optional
Max Use: 99
Purpose: To report errors in a data element and identify the location of the data element
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

| Ref. | Data | Element | Name | Attributes |
|-----------------|--------------|----------------|--|-------------------|
| Must Use | AK401 | 722 | Element Position in Segment | M N0 1/2 |
| | | | This is used to indicate the relative position of the data element in error in this data segment. The count starts with 1 for the data element immediately following the segment ID. This value is 0 for an error in the segment ID. | |
| | AK402 | 725 | Data Element Reference Number | O N0 1/4 |
| | | | Reference number used to locate 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 Refer to 002003 Data Element Dictionary for acceptable code values. | |
| | AK404 | 724 | Copy of Bad Data Element | O AN 1/99 |
| | | | This is a copy of the data element in error | |

Segment: **AK5** Transaction Set Response Trailer
Position: 060
Loop: AK2
Level:
Usage: Optional
Max Use: 1
Purpose: To acknowledge acceptance or rejection and report errors in a transaction set
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
|-------------|-------------|----------------|---|-------------------|
| Must Use | 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 | |
| | AK502 | 718 | Transaction Set Syntax Error Code | O ID 1/3 |
| | | | Code indicating error found based on the syntax editing of a transaction set | |
| | | | Refer to 002003 Data Element Dictionary for acceptable code values. | |

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: 1 If AK901 is 'A' or 'E', then the transmitted functional group is accepted. If AK901 is 'R', then the transmitted group is rejected.

Data Element Summary

| Ref. | Des. | Data Element | Name | Attributes |
|----------|-------|--------------|--|------------|
| Must Use | 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 | |
| Must Use | 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 | |
| Must Use | AK903 | 123 | Number of Received Transaction Sets | M N0 1/6 |
| | | | Number of Transaction Sets received | |
| Must Use | AK904 | 2 | Number of Accepted Transaction Sets | M N0 1/6 |
| | | | Number of accepted Transaction Sets in a Functional Group | |
| | AK905 | 716 | Functional Group Syntax Error Code | O ID 1/3 |
| | | | Code indicating error found based on the syntax editing of the functional group header and/or trailer | |
| | | | Refer to 002003 Data Element Dictionary for acceptable code values. | |

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 | | Attributes |
|----------|--------------|---------|--|------------|
| | | Element | Name | |
| Must Use | SE01 | 96 | Number of Included Segments | M N0 1/6 |
| | | | Total number of segments included in a transaction set including ST and SE segments | |
| Must Use | SE02 | 329 | Transaction Set Control Number | M AN 4/9 |
| | | | Identifying control number assigned by the originator for a Transaction Set. Also see: Data Interchange Control Number (28.) | |