



# 997 Functional Acknowledgment

X12/V4010/997 : 997 Functional Acknowledgment

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<b>Trading Partner:</b>	<b>All Trading Partners</b>
<b>Notes:</b>	

# Table of Contents

<b>997 Functional Acknowledgment</b> .....	<b>1</b>
<b>ST Transaction Set Header</b> .....	<b>4</b>
<b>AK1 Functional Group Response Header</b> .....	<b>5</b>
<b>AK2 Loop Transaction Set Response Header</b> .....	<b>6</b>
<b>AK2 Transaction Set Response Header</b> .....	<b>7</b>
<b>AK3 Loop Data Segment Note</b> .....	<b>8</b>
<b>AK3 Data Segment Note</b> .....	<b>9</b>
<b>AK4 Data Element Note</b> .....	<b>10</b>
<b>AK5 Transaction Set Response Trailer</b> .....	<b>11</b>
<b>AK9 Functional Group Response Trailer</b> .....	<b>12</b>
<b>SE Transaction Set Trailer</b> .....	<b>13</b>

# 997 Functional Acknowledgment

## Functional Group=FA

**Purpose:** 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.

### Notes:

- 1/010 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.
- 1/020 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.
- 1/030L 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.
- 1/030 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.

### Comments:

- 1/040L 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 for 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).
- 1/040 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 for 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).

### User Note 1:

*Burlington Stores uses the following Production Delimiters on all EDI transmissions sent to Burlington Stores Vendors, Carriers, Trading and Solution partners:*

- Segment Separator – hex 15 (NAK)
- Element separator – hex 7C (|)
- Sub-element Separator – hex 3E (>)

*Burlington Stores requires that all vendors use the following Production Delimiters on all EDI transmissions sent to Burlington Coat Factory:*

- Segment Separator – hex 15 (NAK) or hex 7E (~)
- Element separator – hex 7C (|)
- Sub-element Separator – hex 3E (>)

*Review the 001 Control Segment Specifications for ISA Interchange Control Header, GS Functional Group Header, GE Functional Group Trailer, and IEA Interchange Control Trailer information. The 001 Control Segment*

specification can be found on this page: <http://www.burlingtoncoatfactory.com/Vendors/EDI.aspx>

### User Note 2:

*This Burlington Stores EDI Specification Document was developed exclusively for technical development purposes as would be undertaken by a typical trading partner as part of their on-boarding and technical development process; this document was designed to be as informative as possible however is not intended to provide complete compliance guidance or as part of a typical compliance management process undertaken by a typical trading partner.*

The Burlington Stores Vendor Compliance guidelines can be found here:  
<http://www.burlingtoncoatfactory.com/Vendors/Compliance.aspx>

Burlington Stores EDI Specification Documents can be found on the Burlington Stores website under :  
<http://www.burlingtoncoatfactory.com/Vendors/EDI.aspx>

*If you find this or any Burlington Stores EDI Specification contains material omissions or commentary which would be of value to your on-boarding and/or technical development process, please contact EDI Support at (609)387-7800 Ext 3340 (EDI-0) or [EDI.Support@BurlingtonStores.com](mailto:EDI.Support@BurlingtonStores.com), where an incident will be opened and escalated to the guideline management team.*

*If there are any questions about this or any Burlington Stores EDI specification contact EDI Support at (609) 387-7800 Ext 3340 (EDI-0) or [EDI.Support@BurlingtonStores.com](mailto:EDI.Support@BurlingtonStores.com), where an incident will be opened and answered by the next available EDI coordinator.*

### User Note 3:

*Burlington uses the Functional Acknowledgment (997) to indicate the results of a syntactical analysis of functional groups and their business messages by EDI translation software*

- *Functional Acknowledgments (997) are automatically generated by EDI translation software for transmission back to the sending party.*
- *Functional Acknowledgments (997) confirm the delivery of information and document any formatting errors or loss of data.*
- *The Functional Acknowledgment (997) does not confirm that the receiver's application system was able to process the message received*
- *Business messages with errors may be accepted or rejected.*
- *Rejected messages must be corrected and re-transmitted by the sending party.*

*Should the sending party not receive a 997 it is incumbent on the sending party to find out what happened to the message that was sent and as such should contact their technical support team and the receiving party immediately whenever a 997 is missing.*

*If there are any questions about Functional Acknowledgments (997) any Burlington Stores EDI specification contact EDI Support at (609) 387-7800 Ext 3340 (EDI-0) or [EDI.Support@BurlingtonStores.com](mailto:EDI.Support@BurlingtonStores.com), where an incident will be opened and answered by the next available EDI coordinator.*

### User Note 4:

*'Burlington Stores' includes trademarks, service marks and trade names used in connection with the operation of the business; documents EDI documents and or specifications may include such names as "Modecraft Fashions", Burlington Coat Factory," "Cohoes," "Luxury Linens," "MJM Designer Shoes" and "Baby Dept."*

### Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1		N1/010	Must use

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
020	AK1	Functional Group Response Header	M	1		N1/020	Must use
<b><u>LOOP ID - AK2</u></b>					<b><u>999999</u></b>	<b><u>N1/030L</u></b>	
030	AK2	Transaction Set Response Header	O	1		N1/030	Used
<b><u>LOOP ID - AK3</u></b>					<b><u>999999</u></b>	<b><u>C1/040L</u></b>	
040	AK3	Data Segment Note	O	1		C1/040	Used
050	AK4	Data Element Note	O	99			Used
060	AK5	Transaction Set Response Trailer	M	1			Must use
070	AK9	Functional Group Response Trailer	M	1			Must use
080	SE	Transaction Set Trailer	M	1			Must use

# ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

**Purpose:** To indicate the start of a transaction set and to assign a control number

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use

**Description:** Code uniquely identifying a Transaction Set

**CodeList Summary** (Total Codes: 298, Included: 1)

**Code Name**

997 Functional Acknowledgment

ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
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**Description:** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

## Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

# AK1 Functional Group Response Header

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

**Purpose:** To start acknowledgment of a functional group

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
AK101	479	Functional Identifier Code	M	ID	2/2	Must use

**Description:** Code identifying a group of application related transaction sets

**CodeList Summary** (Total Codes: 234, Included: 15)

**Code Name**

- AG Application Advice (824)
- BL Motor Carrier Bill of Lading (211)
- FA Functional Acknowledgment (997)
- GF Response to a Load Tender (990)
- IB Inventory Inquiry/Advice (846)
- IM Motor Carrier Freight Details and Invoice (210, 980)
- IN Invoice Information (810,819)
- PC Purchase Order Change Request - Buyer Initiated (860)
- PD Product Activity Data (852)
- PO Purchase Order (850)
- PR Purchase Order Acknowledgement (855)
- QM Transportation Carrier Shipment Status Message (214)
- SC Price/Sales Catalog (832)
- SH Ship Notice/Manifest (856)
- SM Motor Carrier Load Tender (204)

AK102	28	Group Control Number	M	N0	1/9	Must use
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**Description:** Assigned number originated and maintained by the sender

## Semantics:

- AK101 is the functional ID found in the GS segment (GS01) in the functional group being acknowledged.
- AK102 is the functional group control number found in the GS segment in the functional group being acknowledged.

# Loop Transaction Set Response Header

Pos: 030	Repeat: 999999
Optional	
Loop: AK2	Elements: N/A

**User Option (Usage):** Used

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

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
030	AK2	Transaction Set Response Header	O	1		Used
040		Loop AK3	O		999999	Used
060	AK5	Transaction Set Response Trailer	M	1		Must use

# AK2 Transaction Set Response Header

Pos: 030	Max: 1
Heading - Optional	
Loop: AK2	Elements: 2

User Option (Usage): Used

Purpose: To start acknowledgment of a single transaction set

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
AK201	143	Transaction Set Identifier Code	M	ID	3/3	Must use

**Description:** Code uniquely identifying a Transaction Set

**CodeList Summary** (Total Codes: 298, Included: 14)

**Code Name**

- 210 Motor Carrier Freight Details and Invoice
- 211 Motor Carrier Bill of Lading
- 214 Transportation Carrier Shipment Status Message
- 810 Invoice
- 824 Application Advice
- 832 Price/Sales Catalog
- 846 Inventory Inquiry/Advice
- 850 Purchase Order
- 852 Product Activity Data
- 855 Purchase Order Acknowledgment
- 856 Ship Notice/Manifest
- 860 Purchase Order Change Request - Buyer Initiated
- 990 Response To a Load Tender
- 997 Functional Acknowledgment

AK202	329	Transaction Set Control Number	M	AN	4/9	Must use
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**Description:** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

## Semantics:

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.

# Loop Data Segment Note

Pos: 040	Repeat: 999999
Optional	
Loop: AK3	Elements: N/A

**User Option (Usage):** Used

**Purpose:** To report errors in a data segment and identify the location of the data segment

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
040	AK3	Data Segment Note	O	1		Used
050	AK4	Data Element Note	O	99		Used

# AK3 Data Segment Note

Pos: 040	Max: 1
Heading - Optional	
Loop: AK3	Elements: 4

**User Option (Usage):** Used

**Purpose:** To report errors in a data segment and identify the location of the data segment

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
AK301	721	<b>Segment ID Code</b>	M	ID	2/3	Must use
		<b>Description:</b> Code defining the segment ID of the data segment in error (See Appendix A - Number 77)				
AK302	719	<b>Segment Position in Transaction Set</b>	M	N0	1/6	Must use
		<b>Description:</b> 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	<b>Loop Identifier Code</b>	O	AN	1/6	Used
		<b>Description:</b> The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE				
AK304	720	<b>Segment Syntax Error Code</b>	O	ID	1/3	Used
		<b>Description:</b> Code indicating error found based on the syntax editing of a segment				

**CodeList Summary** (Total Codes: 9, Included: 8)

**Code Name**

- 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

# AK4 Data Element Note

Pos: 050	Max: 99
Heading - Optional	
Loop: AK3	Elements: 4

**User Option (Usage):** Used

**Purpose:** To report errors in a data element or composite data structure and identify the location of the data element

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
AK401	C030	<b>Position in Segment</b>	M	Comp		Must use
<b>Description:</b> 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						
AK401-01	722	<b>Element Position in Segment</b>	M	N0	1/2	Must use
<b>Description:</b> 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						
AK402	725	<b>Data Element Reference Number</b>	O	N0	1/4	Used
<b>Description:</b> Reference number used to locate the data element in the Data Element Dictionary						
AK403	723	<b>Data Element Syntax Error Code</b>	M	ID	1/3	Must use
<b>Description:</b> Code indicating the error found after syntax edits of a data element						
<b>CodeList Summary</b> (Total Codes: 10, Included: 7)						
<b>Code Name</b>						
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.						
AK404	724	<b>Copy of Bad Data Element</b>	O	AN	1/99	Used
<b>Description:</b> This is a copy of the data element in error						

## Semantics:

1. In no case shall a value be used for AK404 that would generate a syntax error, e.g., an invalid character.

# AK5 Transaction Set Response Trailer

Pos: 060	Max: 1
Heading - Mandatory	
Loop: AK2	Elements: 3

**User Option (Usage):** Must use

**Purpose:** To acknowledge acceptance or rejection and report errors in a transaction set

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
AK501	717	Transaction Set Acknowledgment Code	M	ID	1/1	Must use

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

**CodeList Summary** (Total Codes: 6, Included: 2)

**Code Name**

- A Accepted
- R Rejected

AK502	718	Transaction Set Syntax Error Code	O	ID	1/3	Used
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**Description:** Code indicating error found based on the syntax editing of a transaction set

**CodeList Summary** (Total Codes: 25, Included: 5)

**Code Name**

- 1 Transaction Set Not Supported
- 2 Transaction Set Trailer Missing
- 3 Transaction Set Control Number in Header and Trailer Do Not Match
- 4 Number of Included Segments Does Not Match Actual Count
- 5 One or More Segments in Error

AK503	718	Transaction Set Syntax Error Code	O	ID	1/3	Used
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**Description:** Code indicating error found based on the syntax editing of a transaction set

**CodeList Summary** (Total Codes: 25, Included: 5)

**Code Name**

- 1 Transaction Set Not Supported
- 2 Transaction Set Trailer Missing
- 3 Transaction Set Control Number in Header and Trailer Do Not Match
- 4 Number of Included Segments Does Not Match Actual Count
- 5 One or More Segments in Error

# AK9 Functional Group Response Trailer

Pos: 070	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 4

**User Option (Usage):** Must use

**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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
AK901	715	<b>Functional Group Acknowledge Code</b>	M	ID	1/1	Must use

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

**CodeList Summary** (Total Codes: 7, Included: 3)

**Code Name**

A	Accepted
E	Accepted, But Errors Were Noted.
R	Rejected

AK902	97	<b>Number of Transaction Sets Included</b>	M	NO	1/6	Must use
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**Description:** Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element

AK903	123	<b>Number of Received Transaction Sets</b>	M	NO	1/6	Must use
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**Description:** Number of Transaction Sets received

AK904	2	<b>Number of Accepted Transaction Sets</b>	M	NO	1/6	Must use
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**Description:** Number of accepted Transaction Sets in a Functional Group

## Comments:

1. If AK901 contains the value "A" or "E", then the transmitted functional group is accepted.

# SE Transaction Set Trailer

Pos: 080	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

**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)

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	<b>Number of Included Segments</b>	M	N0	1/10	Must use
		<b>Description:</b> Total number of segments included in a transaction set including ST and SE segments				
SE02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Must use
		<b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				

## Comments:

1. SE is the last segment of each transaction set.