

ANSI 997 - Functional Acknowledgement

Stant Manufacturing, Inc.

Transaction Description

Transaction	Functional Acknowledgement (Transaction Set 997), abbreviated “FA”.
Application	The 997 set is based upon ANSI ASC X12 Version Release 004010. document.
Mapping	A list of the Functional Acknowledgement business data elements, and how they will be transmitted via EDI Standards is provided in the “Transaction Specifications.
Exceptions	There are no exceptions to ANSI Standards in this Transaction Description.
Schedule	The Functional Acknowledgement will be generated in response to incoming transaction sets generally within 12 hours of the receipt of the respective transactions.
Back-Up Procedure	In the event of a failure of Electronic Data Interchange it is the responsibility of the sending party to transmit the contents of any pending transmission to the receiving party using a method of non-EDI transmission which is timely, reasonable, and appropriate under the circumstances.
Business Purpose	This transaction acknowledges receipt and syntactical correctness of the incoming transaction. SMI check every inbound document against the EDI standards used. All inbound documents must pass compliance before they can be processed.

997

Functional Acknowledgment

Functional Group=FA

This transaction set will 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.

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
010	ST	Transaction Set Header	M	1		N1/010
020	AK1	Functional Group Response Header	M	1		N1/020
<u>LOOP ID - AK2</u>					<u>999999</u>	
030	AK2	Transaction Set Response Header	O	1		N1/030
<u>LOOP ID - AK3</u>					<u>999999</u>	
040	AK3	Data Segment Note	O	1		
050	AK4	Data Element Note	O	99		
060	AK5	Transaction Set Response Trailer	M	1		
070	AK9	Functional Group Response Trailer	M	1		
080	SE	Transaction Set Trailer	M	1		

ST

Transaction Set Header

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

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>				
ST01	143	Transaction Set Identifier Code	M	ID	3/3				
Description: Code uniquely identifying a Transaction Set									
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>997</td><td>Functional Acknowledgment</td></tr></table>						<u>Code</u>	<u>Name</u>	997	Functional Acknowledgment
<u>Code</u>	<u>Name</u>								
997	Functional Acknowledgment								
ST02	329	Transaction Set Control Number	M	AN	4/9				
Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set									

AK1

Functional Group Response Header

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

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>														
AK101	479	Functional Identifier Code Description: Code identifying a group of application related transaction sets	M	ID	2/2														
		<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>CA</td><td>Purchase Order Change Acknowledgment/Request - Seller Initiated (865)</td></tr><tr><td>PC</td><td>Purchase Order Change Request - Buyer Initiated (860)</td></tr><tr><td>PO</td><td>Purchase Order (850)</td></tr><tr><td>PR</td><td>Purchase Order Acknowledgement (855)</td></tr><tr><td>PS</td><td>Planning Schedule with Release Capability (830)</td></tr><tr><td>SS</td><td>Shipping Schedule (862)</td></tr></table>	<u>Code</u>	<u>Name</u>	CA	Purchase Order Change Acknowledgment/Request - Seller Initiated (865)	PC	Purchase Order Change Request - Buyer Initiated (860)	PO	Purchase Order (850)	PR	Purchase Order Acknowledgement (855)	PS	Planning Schedule with Release Capability (830)	SS	Shipping Schedule (862)			
<u>Code</u>	<u>Name</u>																		
CA	Purchase Order Change Acknowledgment/Request - Seller Initiated (865)																		
PC	Purchase Order Change Request - Buyer Initiated (860)																		
PO	Purchase Order (850)																		
PR	Purchase Order Acknowledgement (855)																		
PS	Planning Schedule with Release Capability (830)																		
SS	Shipping Schedule (862)																		
AK102	28	Group Control Number Description: Assigned number originated and maintained by the sender	M	N0	1/9														

AK2

Transaction Set Response Header

Pos: 030

Max: 1

Heading - Optional

Loop: AK2

Elements: 2

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>
AK201	143	Transaction Set Identifier Code	M	ID	3/3
Description: Code uniquely identifying a Transaction Set					
		<u>Code</u>	<u>Name</u>		
		830	Planning Schedule with Release Capability		
		850	Purchase Order		
		855	Purchase Order Acknowledgment		
		860	Purchase Order Change Request - Buyer Initiated		
		862	Shipping Schedule		
		865	Purchase Order Change Acknowledgment/Request - Seller Initiated		
AK202	329	Transaction Set Control Number	M	AN	4/9
Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set					

AK3

Data Segment Note

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

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
AK301	721	Segment ID Code Description: Code defining the segment ID of the data segment in error (See Appendix A - Number 77)	M	ID	2/3
AK302	719	Segment Position in Transaction Set Description: 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 Description: The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE	O	AN	1/6
AK304	720	Segment Syntax Error Code Description: Code indicating error found based on the syntax editing of a segment All valid standard codes are used.	O	ID	1/3

AK4 Data Element Note

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

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>
AK401	C030	Position in Segment Description: 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	M	Comp	
	722	Element Position in Segment Description: 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	M	N0	1/2
	1528	Component Data Element Position in Composite Description: To identify the component data element position within the composite that is in error	O	N0	1/2
AK402	725	Data Element Reference Number Description: Reference number used to locate the data element in the Data Element Dictionary	O	N0	1/4
AK403	723	Data Element Syntax Error Code Description: Code indicating the error found after syntax edits of a data element All valid standard codes are used.	M	ID	1/3
AK404	724	Copy of Bad Data Element Description: This is a copy of the data element in error	O	AN	1/99

AK5

Transaction Set Response Trailer

Pos: 060	Max: 1
Heading - Mandatory	
Loop: AK2	Elements: 6

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>
AK501	717	Transaction Set Acknowledgment Code	M	ID	1/1
Description: Code indicating accept or reject condition based on the syntax editing of the transaction set					
All valid standard codes are used.					

AK9

Functional Group Response Trailer

Pos: 070

Max: 1

Heading - Mandatory

Loop: N/A

Elements: 9

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:

Ref	Id	Element Name	Req	Type	Min/Max
AK901	715	Functional Group Acknowledge Code Description: Code indicating accept or reject condition based on the syntax editing of the functional group All valid standard codes are used.	M	ID	1/1
AK902	97	Number of Transaction Sets Included Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	M	N0	1/6
AK903	123	Number of Received Transaction Sets Description: Number of Transaction Sets received	M	N0	1/6
AK904	2	Number of Accepted Transaction Sets Description: Number of accepted Transaction Sets in a Functional Group	M	N0	1/6

SE

Transaction Set Trailer

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:

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