

Acknowledgements

997 Functional Acknowledgement Outbound

A functional acknowledgment is generated to report the acceptance or rejection of functional group, transaction set, or segment. ISDH generates an outbound 997 to acknowledge all inbound transactions. The software used by ISDH is Mercator Software's Healthcare Integration Package. Mercator's method for creating 997 acknowledgements is to run data through a compliance map. The compliance map is defined to validate the EDI data against the complete HIPAA standard transaction set definition.

ISDH's direction was to take the standard HIPAA compliance maps created by Mercator without modifications. If transactions contain errors, the entire ST*SE is rejected. Any additional functional groups within the ISA-IEA is accepted provided data meets compliance rules.

Segment Name	Transaction Set Header
Segment ID	ST
Loop	N/A
Usage	Required
Segment Notes	
Example	ST*997*0001~

Element ID	Usage	Guide Description/Valid Values	Comments
ST01	R	Transaction Set Identifier Code 997 – Functional Acknowledgement	
ST02	R	Transaction Set Control Number	This number is assigned locally matches the value in the corresponding SE segment.

Segment Name	Functional Group Response Header
Segment ID	AK1
Loop	N/A
Usage	Required
Segment Notes	This segment is used to respond to the functional group information in the interchange envelope.
Example	AK1*HS*1~

Element ID	Usage	Guide Description/Valid Values	Comments
AK101	R	Functional Identifier Code HS - Eligibility, Coverage or Benefit Inquiry (270)	

Element ID	Usage	Guide Description/Valid Values	Comments
AK102	R	Transaction Set Control Number	This data element contains the value from the GS06 data element from the GS segment of the original file being acknowledged.

Segment Name	Transaction Set Response Header
Segment ID	AK2
Loop	AK2
Usage	Situational
Segment Notes	This segment is used to start the acknowledgment of a transaction set. If there are no errors at the transaction set level, this segment is not returned.
Example	AK2*270*0001~

Element ID	Usage	Guide Description/Valid Values	Comments
AK201	R	Functional Identifier Code	
AK202	R	Transaction Set Control Number	This data element contains the value from the ST02 data element from the ST segment of the original file being acknowledged.

Segment Name	Data Segment Note
Segment ID	AK3
Loop	AK2/AK3
Usage	Situational
Segment Notes	This segment is used to report segment/looping errors in the submitted transaction.
Example	AK3*NM1*4**8~

Element ID	Usage	Guide Description/Valid Values	Comments
AK301	R	Segment ID Code	This data element lists the two or three byte segment ID that contains the error, such as ST, SBR.
AK302	R	Segment Position in Transaction Set	This data element contains the sequential position of the Segment ID identified in AK301. This count begins with 1 for the ST segment and increments by 1 from that point.
AK303	S	Loop Identifier Code	This data element identifies the loop where the erroneous

			segment resides.
AK304	S	Segment Syntax Error Code See code list in the IG	This data element describes the type of error encountered.

Segment Name	Data Segment Note
Segment ID	AK4
Loop	AK2/AK3
Usage	Situational
Segment Notes	This segment is used to report data element/composite errors in the submitted transaction.
Example	AK4*1**7*ZZ~

Element ID	Usage	Guide Description/Valid Values	Comments
AK401	R	Position in Segment	This is a composite data element.
AK401-1	R	Segment Position in Transaction Set	This data element contains the sequential position of the simple data element or composite data structure. This count begins with 1 for the initial element and increments by 1 from that point.
AK401-2	S	Component Data Element Position in Composite	This data element identifies within the composite structure where the error occurs.
AK403	S	Data Element Reference Number	This is the Data Element Dictionary reference number associated with the erroneous data element/composite.
AK404	R	Data Element Syntax Error Code See code list in IG	This data element describes the type of error encountered.
AK405	S	Copy of Bad Data Element	

Segment Name	Transaction Set Response Trailer
Segment ID	AK5
Loop	AK2/AK3
Usage	Required
Segment Notes	This segment is used to acknowledge the acceptance or rejection of a transaction and any report errors.
Example	AK5*R*5~

Element ID	Usage	Guide Description/Valid Values	Comments
AK501	R	Transaction Set Acknowledgment Code A – Accepted	

		R - Rejected	
AK502	S	Transaction Set Syntax Error Code See code list in IG	This data element describes the type of error encountered.
AK503	S	Transaction Set Syntax Error Code See code list in IG	This data element describes the type of error encountered.
AK504	S	Transaction Set Syntax Error Code See code list in IG	This data element describes the type of error encountered.
AK505	S	Transaction Set Syntax Error Code See code list in IG	This data element describes the type of error encountered.
AK506	S	Transaction Set Syntax Error Code See code list in IG	This data element describes the type of error encountered.

Segment Name	Functional Group Response Trailer
Segment ID	AK9
Loop	N/A
Usage	Required
Segment Notes	This segment is used to acknowledge the acceptance or rejection of a functional group and report the number of transaction sets originally included, received, and accepted.
Example	AK9*R*1*1*0~

Element ID	Usage	Guide Description/Valid Values	Comments
AK901	R	Functional Group Acknowledgment Code A – Accepted P – Partially Accepted, at least one transaction set was rejected R - Rejected	
AK902	S	Number of Transaction Sets Included	This data element contains the value from the GE01 data element from the GE segment of the original file being acknowledged.
AK903	S	Number of Received Transaction Sets	
AK904	S	Number of Accepted Transaction Sets	
AK905	S	Functional Group Syntax Error Code See code list in IG	This data element describes the type of error encountered.
AK906	S	Functional Group Syntax Error Code See code list in IG	This data element describes the type of error encountered.
AK907	S	Functional Group Syntax Error Code See code list in IG	This data element describes the type of error encountered.
AK908	S	Functional Group Syntax Error Code See code list in IG	This data element describes the type of error encountered.
AK909	S	Functional Group Syntax Error Code See code list in IG	This data element describes the type of error encountered.

Segment Name	Transaction Set Trailer
Segment ID	SE
Loop	N/A
Usage	Required
Segment Notes	
Example	SE*8*0001~

Element ID	Usage	Guide Description/Valid Values	Comments
ST01	R	Number of Included Segments	This is the total number of segments included in this acknowledgment. This value includes the ST and SE segments.
ST02	R	Transaction Set Control Number	This number is assigned locally and matches the value in the preceding ST segment.

Example of 997 Functional Acknowledgement

This example illustrates a 270 transaction rejected due to an invalid NM101:

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ST*997*0001~
AK1*HS*1~
AK2*270*0001~
AK3*NM1*4**8~
AK4*1**7*ZZ~
AK5*R*5~
AK9*R*1*1*0~
SE*8*0001~
    
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997 Functional Acknowledgement Inbound

ISDH expects a functional acknowledgement in response to all outbound transactions. The software used to automatically reconcile outbound transaction sets to inbound acknowledgments is Mercator Software's Commerce Manager Product.

Segment Name	Transaction Set Header
Segment ID	ST
Loop	N/A
Usage	Required
Segment Notes	
Example	ST*997*0001~

Element ID	Usage	Guide Description/Valid Values	Comments
ST01	R	Transaction Set Identifier Code 997 – Functional Acknowledgement	
ST02	R	Transaction Set Control Number	This number is assigned locally matches the value in the corresponding SE segment.

Segment Name	Functional Group Response Header
Segment ID	AK1
Loop	N/A
Usage	Required
Segment Notes	This segment is used to respond to the functional group information in the interchange envelope.
Example	AK1*HB*1~

Element ID	Usage	Guide Description/Valid Values	Comments
AK101	R	Functional Identifier Code	
AK102	R	Transaction Set Control Number	This data element contains the value from the GS06 data element from the GS segment of the original file being acknowledged.

Segment Name	Transaction Set Response Header
Segment ID	AK2

Loop	AK2
Usage	Situational
Segment Notes	This segment is used to start the acknowledgment of a transaction set. If there are no errors at the transaction set level, this segment is not returned.
Example	AK2*271*0001~

Element ID	Usage	Guide Description/Valid Values	Comments
AK201	R	Functional Identifier Code	
AK202	R	Transaction Set Control Number	This data element contains the value from the ST02 data element from the ST segment of the original file being acknowledged.

Segment Name	Data Segment Note		
Segment ID	AK3		
Loop	AK2/AK3		
Usage	Situational		
Segment Notes	This segment is used to report segment/looping errors in the submitted transaction.		
Example	AK3*NM1*4**8~		

Element ID	Usage	Guide Description/Valid Values	Comments
AK301	R	Segment ID Code	This data element lists the two or three byte segment ID that contains the error, such as ST, SBR.
AK302	R	Segment Position in Transaction Set	This data element contains the sequential position of the Segment ID identified in AK301. This count begins with 1 for the ST segment and increments by 1 from that point.
AK303	S	Loop Identifier Code	This data element identifies the loop where the erroneous segment resides.
AK304	S	Segment Syntax Error Code See code list in the IG	This data element describes the type of error encountered.

Segment Name	Data Segment Note		
Segment ID	AK4		
Loop	AK2/AK3		
Usage	Situational		

Segment Notes	This segment is used to report data element/composite errors in the submitted transaction.
Example	AK4*1**7*ZZ~

Element ID	Usage	Guide Description/Valid Values	Comments
AK401	R	Position in Segment	This is a composite data element.
AK401-1	R	Segment Position in Transaction Set	This data element contains the sequential position of the simple data element or composite data structure. This count begins with 1 for the initial element and increments by 1 from that point.
AK401-2	S	Component Data Element Position in Composite	This data element identifies within the composite structure where the error occurs.
AK403	S	Data Element Reference Number	This is the Data Element Dictionary reference number associated with the erroneous data element/composite.
AK404	R	Data Element Syntax Error Code See code list in IG	This data element describes the type of error encountered.
AK405	S	Copy of Bad Data Element	

Segment Name	Transaction Set Response Trailer
Segment ID	AK5
Loop	AK2/AK3
Usage	Required
Segment Notes	This segment is used to acknowledge the acceptance or rejection of a transaction and any report errors.
Example	AK5*R*5

Element ID	Usage	Guide Description/Valid Values	Comments
AK501	R	Transaction Set Acknowledgment Code A – Accepted R - Rejected	
AK502	S	Transaction Set Syntax Error Code See code list in IG	This data element describes the type of error encountered.
AK503	S	Transaction Set Syntax Error Code See code list in IG	This data element describes the type of error encountered.
AK504	S	Transaction Set Syntax Error Code See code list in IG	This data element describes the type of error encountered.
AK505	S	Transaction Set Syntax Error Code See code list in IG	This data element describes the type of error encountered.

AK506	S	Transaction Set Syntax Error Code See code list in IG	This data element describes the type of error encountered.
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Segment Name	Functional Group Response Trailer		
Segment ID	AK9		
Loop	N/A		
Usage	Required		
Segment Notes	This segment is used to acknowledge the acceptance or rejection of a functional group and report the number of transaction sets originally included, received, and accepted.		
Example	AK9*R*1*1*0~		

Element ID	Usage	Guide Description/Valid Values	Comments
AK901	R	Functional Group Acknowledgment Code A – Accepted P – Partially Accepted, at least one transaction set was rejected R - Rejected	
AK902	S	Number of Transaction Sets Included	This data element contains the value from the GE01 data element from the GE segment of the original file being acknowledged.
AK903	S	Number of Received Transaction Sets	
AK904	S	Number of Accepted Transaction Sets	
AK905	S	Functional Group Syntax Error Code See code list in IG	This data element describes the type of error encountered.
AK906	S	Functional Group Syntax Error Code See code list in IG	This data element describes the type of error encountered.
AK907	S	Functional Group Syntax Error Code See code list in IG	This data element describes the type of error encountered.
AK908	S	Functional Group Syntax Error Code See code list in IG	This data element describes the type of error encountered.
AK909	S	Functional Group Syntax Error Code See code list in IG	This data element describes the type of error encountered.

Segment Name	Transaction Set Trailer		
Segment ID	SE		
Loop	N/A		
Usage	Required		
Segment Notes			
Example	SE*8*0001~		

Element ID	Usage	Guide Description/Valid Values	Comments
SE01	R	Number of Included Segments	This is the total number of segments included in this acknowledgment. This value includes the ST and SE segments.
SE02	R	Transaction Set Control Number	This number is assigned locally and matches the value in the preceding ST segment.

Example of 997 Functional Acknowledgement

This example illustrates a 271 transaction rejected due to an invalid NM101:

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ST*997*0001~
AK1*HB*1~
AK2*271*0001~
AK3*NM1*4**8~
AK4*1**7*ZZ~
AK5*R*5~
AK9*R*1*1*0~
SE*8*0001

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