

## Functional Acknowledgements

Segment / Data Element	Description/Code	Description/Remarks	Sample
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ST	TRANSACTION SET HEADER		ST*997*1234~
1	TRANSACTION SET IDENTIFIER CODE	Will contain the Transaction Identifier for a Functional Acknowledgement, "997"	
2	TRANSACTION SET CONTROL NUMBER	Will be unique within the Functional Group	

AK1	FUNCTIONAL GROUP RESPONSE HEADER		AK1*HC*000001111~
1	FUNCTIONAL IDENTIFIER	Will contain the Functional Identifier for healthcare claims, "HC"	
2	GROUP CONTROL NUMBER	Will contain the Group Control Number (GS06) of the Functional Group being acknowledged	

AK2	TRANSACTION SET RESPONSE HEADER		AK2*837*81961~
1	TRANSACTION SET IDENTIFIER CODE	Will contain the Transaction Identifier for healthcare claims, "837"	
2	TRANSACTION SET CONTROL NUMBER	Will contain the Transaction Control number (ST02) of the Transaction Set being acknowledged	

AK3	DATA SEGMENT NOTE	Will only be present if there were segment-level errors	AK3*DMG*000063*2010BA~
1	SEGMENT ID CODE		
2	SEGMENT POSITION IN TRANSACTION SET		
3	LOOP IDENTIFIER CODE		
4	SEGMENT SYNTAX ERROR CODE		
	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	Will only be present if there were data element-level errors	AK4*02*1251*8*00010101~
1	POSITION IN SEGMENT		
1 - 1	ELEMENT POSITION IN SEGMENT		

## Functional Acknowledgements

Segment / Data Element	Description/Code	Description/Remarks	Sample
1 - 2	COMPONENT DATA ELEMENT POSITION IN COMPOSITE	Will only be present if dealing with a sub element	
2	DATA ELEMENT REFERENCE NUMBER		
3	DATA ELEMENT SYNTAX ERROR CODE		
	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	
4	COPY OF BAD DATA ELEMENT		

AK5	TRANSACTION SET RESPONSE TRAILER	Provides Transaction-level results of the EDI translation process	AK5*E*5~
1	TRANSACTION SET ACKNOWLEDGMENT CODE		
	A	ACCEPTED	
	E	ACCEPTED BUT ERRORS WERE NOTED	
	M	REJECTED, MESSAGE AUTHENTICATION CODE (MAC) FAILED	
	R	REJECTED	
	W	REJECTED, ASSURANCE FAILED VALIDITY TESTS	
	Z	REJECTED, CONTENT AFTER DECRYPTION COULD NOT BE ANALYZED	
2	TRANSACTION SET SYNTAX ERROR CODE		
	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	
	6	MISSING OR INVALID TRANSACTION SET IDENTIFIER	
	7	MISSING OR INVALID TRANSACTION SET CONTROL NUMBER	

## Functional Acknowledgements

Segment / Data Element	Description/Code	Description/Remarks	Sample
	8	AUTHENTICATION KEY NAME UNKNOWN	
	9	ENCRYPTION KEY NAME UNKNOWN	
	10	REQUESTED SERVICE (AUTHENTICATION OR ENCRYPTED) NOT AVAILABLE	
	11	UNKNOWN SECURITY RECIPIENT	
	12	INCORRECT MESSAGE LENGTH (ENCRYPTION ONLY)	
	13	MESSAGE AUTHENTICATION CODE FAILED	
	15	UNKNOWN SECURITY ORIGINATOR	
	16	SYNTAX ERROR IN DECRYPTED TEXT	
	17	SECURITY NOT SUPPORTED	
	23	TRANSACTION SET CONTROL NUMBER NOT UNIQUE WITHIN THE FUNCTIONAL GROUP	
	24	S3E SECURITY END SEGMENT MISSING FOR S3S SECURITY START SEGMENT	
	25	S3S SECURITY START SEGMENT MISSING FOR S3E SECURITY END SEGMENT	
	26	S4E SECURITY END SEGMENT MISSING FOR S4S SECURITY START SEGMENT	
	27	S4S SECURITY START SEGMENT MISSING FOR S4E SECURITY END SEGMENT	
3	TRANSACTION SET SYNTAX ERROR CODE	Same as element 2	
4	TRANSACTION SET SYNTAX ERROR CODE	Same as element 2	
5	TRANSACTION SET SYNTAX ERROR CODE	Same as element 2	
6	TRANSACTION SET SYNTAX ERROR CODE	Same as element 2	

AK9	FUNCTIONAL GROUP RESPONSE TRAILER	Provides Group-level results of the EDI translation process	AK9*A*1*1*1~
1	FUNCTIONAL GROUP ACKNOWLEDGE CODE		
	A	ACCEPTED	
	E	ACCEPTED, BUT ERRORS WERE NOTED.	
	M	REJECTED, MESSAGE AUTHENTICATION CODE (MAC) FAILED	
	P	PARTIALLY ACCEPTED, AT LEAST ONE TRANSACTION SET WAS REJECTED	
	R	REJECTED	

## Functional Acknowledgements

Segment / Data Element	Description/Code	Description/Remarks	Sample
	W	REJECTED, ASSURANCE FAILED VALIDITY TESTS	
	X	REJECTED, CONTENT AFTER DECRYPTION COULD NOT BE ANALYZED	
2	NUMBER OF TRANSACTION SETS INCLUDED		
3	NUMBER OF RECEIVED TRANSACTION SETS		
4	NUMBER OF ACCEPTED TRANSACTION SETS		
5	FUNCTIONAL GROUP SYNTAX ERROR CODE		
	1	FUNCTIONAL GROUP NOT SUPPORTED	
	2	FUNCTIONAL GROUP VERSION NOT SUPPORTED	
	3	FUNCTIONAL GROUP TRAILER MISSING	
	4	GROUP CONTROL NUMBER IN THE FUNCTIONAL GROUP HEADER AND TRAILER DO NOT AGREE	
	5	NUMBER OF INCLUDED TRANSACTION SETS DOES NOT MATCH ACTUAL COUNT	
	6	GROUP CONTROL NUMBER VIOLATES SYNTAX	
	10	AUTHENTICATION KEY NAME UNKNOWN	
	11	ENCRYPTION KEY NAME UNKNOWN	
	12	REQUESTED SERVICE (AUTHENTICATION OR ENCRYPTION) NOT AVAILABLE	
	13	UNKNOWN SECURITY RECIPIENT	
	14	UNKNOWN SECURITY ORIGINATOR	
	15	SYNTAX ERROR IN DECRYPTED TEXT	
	16	SECURITY NOT SUPPORTED	
	17	INCORRECT MESSAGE LENGTH (ENCRYPTION ONLY)	
	18	MESSAGE AUTHENTICATION CODE FAILED	
	23	S3E SECURITY END SEGMENT MISSING FOR S3S SECURITY START SEGMENT	
	24	S3S SECURITY START SEGMENT MISSING FOR S3E SECURITY END SEGMENT	
	25	S4E SECURITY END SEGMENT MISSING FOR S4S SECURITY START SEGMENT	
	26	S4S SECURITY START SEGMENT MISSING FOR S4E SECURITY END SEGMENT	

## Functional Acknowledgements

Segment / Data Element	Description/Code	Description/Remarks	Sample
6	FUNCTIONAL GROUP SYNTAX ERROR CODE	Same as element 5	
7	FUNCTIONAL GROUP SYNTAX ERROR CODE	Same as element 5	
8	FUNCTIONAL GROUP SYNTAX ERROR CODE	Same as element 5	
9	FUNCTIONAL GROUP SYNTAX ERROR CODE	Same as element 5	

SE	TRANSACTION SET TRAILER		SE*10*1234~
1	NUMBER OF INCLUDED SEGMENTS	Will be the count of segments in the 997 (including ST and SE)	
2	TRANSACTION SET CONTROL NUMBER	Will be the same number as in ST02	