Ryder Transportation EDI
Electronic Data Interchange

EDI 997

Functional Acknowledgement
Version 004010

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EDI Services

997 Functional Acknowledgement Transaction Set– Introduction

Ryder uses the EDI 997 in response to the EDI 204 as a first line confirmation that the carrier has received and processed the EDI 204. Ryder reconciles all EDI 997's and may reassign a load if an EDI 997 is not sent in response.

Ryder will send an EDI 997 in response to all transactions sent to Ryder, the EDI 990 and EDI 214. Ryder requires the carrier to monitor and reconcile the EDI 997's and contact the Ryder EDI group in the event that an EDI 997 is not received within 24 hours.

997 Sample Data

```
ISA*00*      *00*      *02*CARRIERID     *14*006922827TMO204*050909*0714*U*00401*000002731*0*P*:~
GS*FA*CARRIERID*006922827TMO204*20050909*0714*10145398*X*004010~
ST*997*453980001~
AK1*SM*10145398~
AK2*204*10145398~
AK5*A~
AK9*A*1*1*1~
SE*6*453980001~
GE*1*10145398~
IEA*1*000002731~
```

997 Functional Acknowledgment

<div align="right">

Functional Group ID=FA

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Introduction:

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.

Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
010	ST	Transaction Set Header	M	1		
020	AK1	Functional Group Response Header	M	1		
		LOOP ID - AK2			99	
030	AK2	Transaction Set Response Header	O	1		
		LOOP ID - AK3			99	
040	AK3	Data Segment Note	O	1		c1
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		

Transaction Set Comments

1.   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).

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

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
ST01	143	**Transaction Set Identifier Code**	M	ID 3/3
		Code uniquely identifying a Transaction Set		
		EDI 997's Are Required In Response To All EDI 204's. The 997 is expected within 1 hour from the time Ryder creates the EDI 204.		
		997 Functional Acknowledgment		
ST02	329	**Transaction Set Control Number**	M	AN 4/9
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		

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:	1 AK101 is the functional ID found in the GS segment (GS01) in the functional group being acknowledged.
	2 AK102 is the functional group control number found in the GS segment in the functional group being acknowledged.
Comments:	

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
AK101	**479**	**Functional Identifier Code**	M	ID 2/2
		Code identifying a group of application related transaction sets		
		SM Motor Carrier Load Tender (204)		
AK102	**28**	**Group Control Number**	M	N0 1/9
		Assigned number originated and maintained by the sender		

Segment: **AK2** **Transaction Set Response Header**
Position: 030
Loop: AK2   Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To start acknowledgment of a single transaction set
Syntax Notes:
Semantic Notes: **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.
Comments:

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
AK201	**143**	**Transaction Set Identifier Code**	**M**	**ID 3/3**
		Code uniquely identifying a Transaction Set		
		997 Functional Acknowledgment		
AK202	**329**	**Transaction Set Control Number**	**M**	**AN 4/9**
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		

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

Ref. Des. Attributes	Data Element	Name		
AK301	721	**Segment ID Code**	M	ID 2/3
		Code defining the segment ID of the data segment in error (See Appendix A - Number 77)		
AK302	719	**Segment Position in Transaction Set**	M	N0 1/6
		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	**Loop Identifier Code**	O	AN 1/6
		The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE		
AK304	720	**Segment Syntax Error Code**	O	ID 1/3
		Code indicating error found based on the syntax editing of a segment		

Segment:	**AK4** Data Element Note			
Position:	050			
Loop:	AK3 Optional			
Level:				
Usage:	Optional			
Max Use:	99			
Purpose:	To report errors in a data element or composite data structure and identify the location of the data element			
Syntax Notes:				
Semantic Notes:	**1** In no case shall a value be used for AK404 that would generate a syntax error, e.g., an invalid character.			
Comments:				

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
AK401	**C030**	**Position in Segment**	**M**	
		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		
C03001	**722**	**Element Position in Segment**	**M**	**N0 1/2**
		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		
C03002	**1528**	**Component Data Element Position in Composite**	**O**	**N0 1/2**
		To identify the component data element position within the composite that is in error		
AK402	**725**	**Data Element Reference Number**	**O**	**N0 1/4**
		Reference number used to locate the data element in the Data Element Dictionary		
AK403	**723**	**Data Element Syntax Error Code**	**M**	**ID 1/3**
		Code indicating the error found after syntax edits of a data element		
		1 Mandatory 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		
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   Optional
Level:
Usage: Mandatory
Max Use: 1
Purpose: To acknowledge acceptance or rejection and report errors in a transaction set
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
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
E	Accepted But Errors Were Noted
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

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
6	Missing or Invalid Transaction Set Identifier
7	Missing or Invalid Transaction Set Control Number

AK503	718	**Transaction Set Syntax Error Code**	O	ID 1/3

Code indicating error found based on the syntax editing of a transaction set

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
6	Missing or Invalid Transaction Set Identifier
7	Missing or Invalid Transaction Set Control Number

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

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
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		
		E Accepted, But Errors Were Noted.		
		R Rejected		
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		
AK903	**123**	**Number of Received Transaction Sets**	**M**	**N0 1/6**
		Number of Transaction Sets received		
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		
		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		

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. Attributes	Data Element	Name		
SE01	96	**Number of Included Segments**	M	N0 1/10
		Total number of segments included in a transaction set including ST and SE segments		
SE02	329	**Transaction Set Control Number**	M	AN 4/9
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		