997 Functional Acknowledgment

Functional Group ID=FA

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.

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
3	010	ST	Transaction Set Header	M	1		n1
4	020	AK1	Functional Group Response Header	M	1		n2
			LOOP ID - AK2			999999	
5	030	AK2	Transaction Set Response Header	O	1		n3
			LOOP ID - AK3			999999	
6	040	AK3	Data Segment Note	O	1		c1
7	050	AK4	Data Element Note	O	99		
8	060	AK5	Transaction Set Response Trailer	M	1		
9	070	AK9	Functional Group Response Trailer	M	1		
10	080	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. 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.
2. 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.
3. 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.

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.	Data Element	Name	Attributes	
M	ST01	143	**Transaction Set Identifier Code**	M	ID 3/3
			Code uniquely identifying a Transaction Set		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
M	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			

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.	Data Element	Name	Attributes	
M	**AK101**	**479**	**Functional Identifier Code**	**M**	**ID 2/2**
			Code identifying a group of application related transaction sets		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
M	**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.	Data Element	Name	Attributes
M	AK201	143	**Transaction Set Identifier Code**	M ID 3/3
			Code uniquely identifying a Transaction Set	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
M	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			

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.	Data Element	Name	Attributes	
M	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)		
M	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		
			Refer to 004010 Data Element Dictionary for acceptable code values.		

Segment:	**AK4** Data Element Note				

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:

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Data Element Summary

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	Ref. Des.	Data Element	Name	Attributes
M	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

M	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

M	AK403	723	**Data Element Syntax Error Code**	**M ID 1/3**

Code indicating the error found after syntax edits of a data element

Refer to 004010 Data Element Dictionary for acceptable code values.

	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.	Data Element	Name	Attributes
M	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	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	AK502	718	**Transaction Set Syntax Error Code**	O ID 1/3
			Code indicating error found based on the syntax editing of a transaction set	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	AK503	718	**Transaction Set Syntax Error Code**	O ID 1/3
			Code indicating error found based on the syntax editing of a transaction set	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	AK504	718	**Transaction Set Syntax Error Code**	O ID 1/3
			Code indicating error found based on the syntax editing of a transaction set	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	AK505	718	**Transaction Set Syntax Error Code**	O ID 1/3
			Code indicating error found based on the syntax editing of a transaction set	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	AK506	718	**Transaction Set Syntax Error Code**	O ID 1/3
			Code indicating error found based on the syntax editing of a transaction set	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

	Ref.	**Data**		
	Des.	**Element**	**Name**	**Attributes**

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.	**Data Element**	**Name**	**Attributes**	
M	**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
Refer to 004010 Data Element Dictionary for acceptable code values.

M	**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

M	**AK903**	**123**	**Number of Received Transaction Sets**	**M**	**N0 1/6**

Number of Transaction Sets received

M	**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
Refer to 004010 Data Element Dictionary for acceptable code values.

	AK906	**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
Refer to 004010 Data Element Dictionary for acceptable code values.

	AK907	**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
Refer to 004010 Data Element Dictionary for acceptable code values.

	AK908	**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
Refer to 004010 Data Element Dictionary for acceptable code values.

	AK909	**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
Refer to 004010 Data Element Dictionary for acceptable code values.

				Segment:	**SE** Transaction Set Trailer

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.	Data Element	Name	Attributes
M	SE01	96	**Number of Included Segments**	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
M	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	

Data Element Dictionary

2   Number of Accepted Transaction Sets

REPRESENTATION = **N0 1/6**

Number of accepted Transaction Sets in a Functional Group

28   Group Control Number

REPRESENTATION = **N0 1/9**

Assigned number originated and maintained by the sender

96   Number of Included Segments

REPRESENTATION = **N0 1/10**

Total number of segments included in a transaction set including ST and SE segments

97   Number of Transaction Sets Included

REPRESENTATION = **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

123   Number of Received Transaction Sets

REPRESENTATION = **N0 1/6**

Number of Transaction Sets received

143   Transaction Set Identifier Code

REPRESENTATION = **ID 3/3**

Code uniquely identifying a Transaction Set

CODE	DEFINITION
100	Insurance Plan Description
101	Name and Address Lists
104	Air Shipment Information
105	Business Entity Filings
106	Motor Carrier Rate Proposal
107	Request for Motor Carrier Rate Proposal
108	Response to a Motor Carrier Rate Proposal
109	Vessel Content Details
110	Air Freight Details and Invoice
112	Property Damage Report
120	Vehicle Shipping Order
121	Vehicle Service
124	Vehicle Damage
125	Multilevel Railcar Load Details
126	Vehicle Application Advice
127	Vehicle Baying Order
128	Dealer Information
129	Vehicle Carrier Rate Update
130	Student Educational Record (Transcript)
131	Student Educational Record (Transcript) Acknowledgment

135	Student Loan Application
138	Testing Results Request and Report
139	Student Loan Guarantee Result
140	Product Registration
141	Product Service Claim Response
142	Product Service Claim
143	Product Service Notification
144	Student Loan Transfer and Status Verification
146	Request for Student Educational Record (Transcript)
147	Response to Request for Student Educational Record (Transcript)
148	Report of Injury, Illness or Incident
149	Notice of Tax Adjustment or Assessment
150	Tax Rate Notification
151	Electronic Filing of Tax Return Data Acknowledgment
152	Statistical Government Information
153	Unemployment Insurance Tax Claim or Charge Information
154	Uniform Commercial Code Filing
155	Business Credit Report
157	Notice of Power of Attorney
159	Motion Picture Booking Confirmation
160	Transportation Automatic Equipment Identification
161	Train Sheet
163	Transportation Appointment Schedule Information
170	Revenue Receipts Statement
175	Court and Law Enforcement Notice
176	Court Submission
180	Return Merchandise Authorization and Notification
185	Royalty Regulatory Report
186	Insurance Underwriting Requirements Reporting
188	Educational Course Inventory
189	Application for Admission to Educational Institutions
190	Student Enrollment Verification
191	Student Loan Pre-Claims and Claims
194	Grant or Assistance Application
195	Federal Communications Commission (FCC) License Application
196	Contractor Cost Data Reporting
197	Real Estate Title Evidence
198	Loan Verification Information
199	Real Estate Settlement Information
200	Mortgage Credit Report
201	Residential Loan Application
202	Secondary Mortgage Market Loan Delivery
203	Secondary Mortgage Market Investor Report
204	Motor Carrier Load Tender
205	Mortgage Note
206	Real Estate Inspection
210	Motor Carrier Freight Details and Invoice
211	Motor Carrier Bill of Lading
212	Motor Carrier Delivery Trailer Manifest
213	Motor Carrier Shipment Status Inquiry
214	Transportation Carrier Shipment Status Message

215	Motor Carrier Pick-up Manifest
216	Motor Carrier Shipment Pick-up Notification
217	Motor Carrier Loading and Route Guide
218	Motor Carrier Tariff Information
219	Logistics Service Request
220	Logistics Service Response
222	Cartage Work Assignment
223	Consolidators Freight Bill and Invoice
224	Motor Carrier Summary Freight Bill Manifest
225	Response to a Cartage Work Assignment
242	Data Status Tracking
244	Product Source Information
248	Account Assignment/Inquiry and Service/Status
249	Animal Toxicological Data
250	Purchase Order Shipment Management Document
251	Pricing Support
252	Insurance Producer Administration
255	Underwriting Information Services
256	Periodic Compensation
260	Application for Mortgage Insurance Benefits
	A claim filed for mortgage insurance benefits
261	Real Estate Information Request
262	Real Estate Information Report
263	Residential Mortgage Insurance Application Response
264	Mortgage Loan Default Status
265	Real Estate Title Insurance Services Order
266	Mortgage or Property Record Change Notification
267	Individual Life, Annuity and Disability Application
268	Annuity Activity
270	Eligibility, Coverage or Benefit Inquiry
271	Eligibility, Coverage or Benefit Information
272	Property and Casualty Loss Notification
273	Insurance/Annuity Application Status
275	Patient Information
276	Health Care Claim Status Request
277	Health Care Claim Status Notification
278	Health Care Services Review Information
280	Voter Registration Information
285	Commercial Vehicle Safety and Credentials Information Exchange
286	Commercial Vehicle Credentials
288	Wage Determination
290	Cooperative Advertising Agreements
300	Reservation (Booking Request) (Ocean)
301	Confirmation (Ocean)
303	Booking Cancellation (Ocean)
304	Shipping Instructions
306	Dock Receipt
309	U.S. Customs Manifest
310	Freight Receipt and Invoice (Ocean)
311	Canadian Customs Information
312	Arrival Notice (Ocean)

313	Shipment Status Inquiry (Ocean)
315	Status Details (Ocean)
317	Delivery/Pickup Order
319	Terminal Information
321	Demurrage Guarantee (Ocean)
322	Terminal Operations and Intermodal Ramp Activity
323	Vessel Schedule and Itinerary (Ocean)
324	Vessel Stow Plan (Ocean)
325	Consolidation of Goods In Container
326	Consignment Summary List
350	U.S. Customs Status Information
352	U.S. Customs Carrier General Order Status
353	U.S. Customs Events Advisory Details
354	U.S. Customs Automated Manifest Archive Status
355	U.S. Customs Acceptance/Rejection
356	U.S. Customs Permit to Transfer Request
357	U.S. Customs In-Bond Information
358	U.S. Customs Consist Information
361	Carrier Interchange Agreement (Ocean)
362	Cargo Insurance Advice of Shipment
404	Rail Carrier Shipment Information
410	Rail Carrier Freight Details and Invoice
411	Freight Details and Invoice Summary (Rail)
414	Rail Carhire Settlements
417	Rail Carrier Waybill Interchange
418	Rail Advance Interchange Consist
419	Advance Car Disposition
420	Car Handling Information
421	Estimated Time of Arrival and Car Scheduling
422	Shipper's Car Order
423	Rail Industrial Switch List
425	Rail Waybill Request
426	Rail Revenue Waybill
429	Railroad Retirement Activity
431	Railroad Station Master File
432	Rail Deprescription
433	Railroad Reciprocal Switch File
434	Railroad Mark Register Update Activity
435	Standard Transportation Commodity Code Master
436	Locomotive Information
437	Railroad Junctions and Interchanges Activity
440	Shipment Weights
451	Railroad Event Report
452	Railroad Problem Log Inquiry or Advice
453	Railroad Service Commitment Advice
455	Railroad Parameter Trace Registration
456	Railroad Equipment Inquiry or Advice
460	Railroad Price Distribution Request or Response
463	Rail Rate Reply
466	Rate Request
468	Rate Docket Journal Log

470	Railroad Clearance
475	Rail Route File Maintenance
485	Ratemaking Action
486	Rate Docket Expiration
490	Rate Group Definition
492	Miscellaneous Rates
494	Scale Rate Table
500	Medical Event Reporting
501	Vendor Performance Review
503	Pricing History
504	Clauses and Provisions
511	Requisition

Transaction set for ordering equipment and material from a supply distribution system; this can also be used to inquire about, amend, or terminate the original order

517	Material Obligation Validation

Transaction set for verifying the continued need for open orders. Can also be used to confirm open order quantities and request reinstatement of previously cancelled open orders

521	Income or Asset Offset
527	Material Due-In and Receipt

Transaction set for reporting material dues-in, anticipated receipts, and receipts

536	Logistics Reassignment

Transaction set for reporting information needed by a new manager when transferring inventory management responsibility between organizations

540	Notice of Employment Status
561	Contract Abstract

A summary of the essential elements of a contract, sufficient to enable the contract administration process to commence

567	Contract Completion Status

Transaction set for reporting the administrative closure status of physically completed contracts

568	Contract Payment Management Report
601	U.S. Customs Export Shipment Information
602	Transportation Services Tender
620	Excavation Communication
622	Intermodal Ramp Activity
625	Well Information
650	Maintenance Service Order
715	Intermodal Group Loading Plan
805	Contract Pricing Proposal
806	Project Schedule Reporting
810	Invoice
811	Consolidated Service Invoice/Statement
812	Credit/Debit Adjustment
813	Electronic Filing of Tax Return Data
814	General Request, Response or Confirmation
815	Cryptographic Service Message
816	Organizational Relationships
818	Commission Sales Report
819	Operating Expense Statement
820	Payment Order/Remittance Advice
821	Financial Information Reporting
822	Account Analysis
823	Lockbox
824	Application Advice

826	Tax Information Exchange
827	Financial Return Notice
828	Debit Authorization
829	Payment Cancellation Request
830	Planning Schedule with Release Capability
831	Application Control Totals
832	Price/Sales Catalog
833	Mortgage Credit Report Order
834	Benefit Enrollment and Maintenance
835	Health Care Claim Payment/Advice
836	Procurement Notices
837	Health Care Claim
838	Trading Partner Profile
839	Project Cost Reporting
840	Request for Quotation
841	Specifications/Technical Information
842	Nonconformance Report
843	Response to Request for Quotation
844	Product Transfer Account Adjustment
845	Price Authorization Acknowledgment/Status
846	Inventory Inquiry/Advice
847	Material Claim
848	Material Safety Data Sheet
849	Response to Product Transfer Account Adjustment
850	Purchase Order
851	Asset Schedule
852	Product Activity Data
853	Routing and Carrier Instruction
854	Shipment Delivery Discrepancy Information
855	Purchase Order Acknowledgment
856	Ship Notice/Manifest
857	Shipment and Billing Notice
858	Shipment Information
859	Freight Invoice
860	Purchase Order Change Request - Buyer Initiated
861	Receiving Advice/Acceptance Certificate
862	Shipping Schedule
863	Report of Test Results
864	Text Message
865	Purchase Order Change Acknowledgment/Request - Seller Initiated
866	Production Sequence
867	Product Transfer and Resale Report
868	Electronic Form Structure
869	Order Status Inquiry
870	Order Status Report
871	Component Parts Content
872	Residential Mortgage Insurance Application
875	Grocery Products Purchase Order
876	Grocery Products Purchase Order Change
877	Manufacturer Coupon Family Code Structure
878	Product Authorization/De-authorization

879	Price Information
880	Grocery Products Invoice
881	Manufacturer Coupon Redemption Detail
882	Direct Store Delivery Summary Information
883	Market Development Fund Allocation
884	Market Development Fund Settlement
885	Retail Account Characteristics
886	Customer Call Reporting
887	Coupon Notification
888	Item Maintenance
889	Promotion Announcement
891	Deduction Research Report
893	Item Information Request
894	Delivery/Return Base Record
895	Delivery/Return Acknowledgment or Adjustment
896	Product Dimension Maintenance
920	Loss or Damage Claim - General Commodities
924	Loss or Damage Claim - Motor Vehicle
925	Claim Tracer
926	Claim Status Report and Tracer Reply
928	Automotive Inspection Detail
940	Warehouse Shipping Order
943	Warehouse Stock Transfer Shipment Advice
944	Warehouse Stock Transfer Receipt Advice
945	Warehouse Shipping Advice
947	Warehouse Inventory Adjustment Advice
980	Functional Group Totals
990	Response to a Load Tender
994	Administrative Message
996	File Transfer
997	Functional Acknowledgment
998	Set Cancellation

329   Transaction Set Control Number

REPRESENTATION = AN 4/9

Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

447   Loop Identifier Code

REPRESENTATION = 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

479   Functional Identifier Code

REPRESENTATION = ID 2/2

Code identifying a group of application related transaction sets

CODE	DEFINITION
AA	Account Analysis (822)
AB	Logistics Service Request (219)
AD	Individual Life, Annuity and Disability Application (267)
AF	Application for Admission to Educational Institutions (189)

AG	Application Advice (824)	
AH	Logistics Service Response (220)	
AI	Automotive Inspection Detail (928)	
AK	Student Educational Record (Transcript) Acknowledgment (131)	
AL	Set Cancellation (998) and Application Acceptance/Rejection Advice (499)	
AN	Return Merchandise Authorization and Notification (180)	
AO	Income or Asset Offset (521)	
AR	Warehouse Stock Transfer Shipment Advice (943)	
AS	Transportation Appointment Schedule Information (163)	
AT	Animal Toxicological Data (249)	
AW	Warehouse Inventory Adjustment Advice (947)	
BC	Business Credit Report (155)	
BE	Benefit Enrollment and Maintenance (834)	
BF	Business Entity Filings (105)	
BL	Motor Carrier Bill of Lading (211)	
BS	Shipment and Billing Notice (857)	
CA	Purchase Order Change Acknowledgment/Request - Seller Initiated (865)	
CB	Unemployment Insurance Tax Claim or Charge Information (153)	
CC	Clauses and Provisions (504)	
CD	Credit/Debit Adjustment (812)	
CE	Cartage Work Assignment (222)	
CF	Corporate Financial Adjustment Information (844 and 849)	
CG	Administrative Message (994)	
CH	Car Handling Information (420)	
CI	Consolidated Service Invoice/Statement (811)	
CJ	Manufacturer Coupon Family Code Structure (877)	
CK	Manufacturer Coupon Redemption Detail (881)	
CM	Component Parts Content (871)	
CN	Coupon Notification (887)	
CO	Cooperative Advertising Agreements (290)	
CP	Electronic Proposal Information (251, 805)	
CR	Rail Carhire Settlements (414)	
CS	Cryptographic Service Message (815)	
CT	Application Control Totals (831)	
CV	Commercial Vehicle Safety and Credentials Information Exchange (285)	
D3	Contract Completion Status (567)	
	Transaction set for reporting the administrative closure status of physically completed contracts	
D4	Contract Abstract (561)	
D5	Contract Payment Management Report (568)	
DA	Debit Authorization (828)	
DD	Shipment Delivery Discrepancy Information (854)	
DF	Market Development Fund Allocation (883)	
DI	Dealer Information (128)	
DM	Shipper's Car Order (422)	
DS	Data Status Tracking (242)	
DX	Direct Exchange Delivery and Return Information (894, 895)	
EC	Educational Course Inventory (188)	
ED	Student Educational Record (Transcript) (130)	
EI	Railroad Equipment Inquiry or Advice (456)	
ER	Revenue Receipts Statement (170)	
ES	Notice of Employment Status (540)	

EV	Railroad Event Report (451)
EX	Excavation Communication (620)
FA	Functional Acknowledgment (997)
FB	Freight Invoice (859)
FC	Court and Law Enforcement Information (175, 176)
FG	Motor Carrier Loading and Route Guide (217)
FH	Motor Carrier Tariff Information (218)
FR	Financial Reporting (821, 827)
FT	File Transfer (996)
GB	Average Agreement Demurrage (423)
GC	Damage Claim Transaction Sets (920, 924, 925, 926)
GE	General Request, Response or Confirmation (814)
GF	Response to a Load Tender (990)
GL	Intermodal Group Loading Plan (715)
GP	Grocery Products Invoice (880)
GR	Statistical Government Information (152)
GT	Grant or Assistance Application (194)
HB	Eligibility, Coverage or Benefit Information (271)
HC	Health Care Claim (837)
HI	Health Care Services Review Information (278)
HN	Health Care Claim Status Notification (277)
HP	Health Care Claim Payment/Advice (835)
HR	Health Care Claim Status Request (276)
HS	Eligibility, Coverage or Benefit Inquiry (270)
IA	Air Freight Details and Invoice (110, 980)
IB	Inventory Inquiry/Advice (846)
IC	Rail Advance Interchange Consist (418)
ID	Insurance/Annuity Application Status (273)
IE	Insurance Producer Administration (252)
IG	Direct Store Delivery Summary Information (882)
II	Rail Freight Details and Invoice Summary (411)
IJ	Report of Injury, Illness or Incident (148)
IM	Motor Carrier Freight Details and Invoice (210, 980)
IN	Invoice Information (810,819)
IO	Ocean Shipment Billing Details (310, 312, 980)
IP	Intermodal Ramp Activity (622)
IR	Rail Carrier Freight Details and Invoice (410, 980)
IS	Estimated Time of Arrival and Car Scheduling (421)
KM	Commercial Vehicle Credentials (286)
LA	Federal Communications Commission (FCC) License Application (195)
LB	Lockbox (823)
LI	Locomotive Information (436)
LN	Property and Casualty Loss Notification (272)
LR	Logistics Reassignment (536)
LS	Asset Schedule (851)
LT	Student Loan Transfer and Status Verification (144)
MA	Motor Carrier Summary Freight Bill Manifest (224)
MC	Request for Motor Carrier Rate Proposal (107)
MD	Department of Defense Inventory Management (527)
	Transactions related to the interchange of information involving material in the supply, control, and distribution systems and financial management of the Department of Defense or other participating agencies

ME	Mortgage Origination (198, 200, 201, 261, 262, 263, 833, 872)
MF	Market Development Funds Settlement (884)
MG	Mortgage Servicing Transaction Sets (203, 206, 260, 264, 266)
MH	Motor Carrier Rate Proposal (106)
MI	Motor Carrier Shipment Status Inquiry (213)
MJ	Secondary Mortgage Market Loan Delivery (202)
MK	Response to a Motor Carrier Rate Proposal (108)
MM	Medical Event Reporting (500)
MN	Mortgage Note (205)
MO	Maintenance Service Order (650)
MP	Motion Picture Booking Confirmation (159)
MQ	Consolidators Freight Bill and Invoice (223)
MR	Multilevel Railcar Load Details (125)
MS	Material Safety Data Sheet (848)
MT	Electronic Form Structure (868)
MV	Material Obligation Validation (517)
MW	Rail Waybill Response (427)
MX	Material Claim (847)
MY	Response to a Cartage Work Assignment (225)
NC	Nonconformance Report (842)
NL	Name and Address Lists (101)
NP	Notice of Power of Attorney (157)
NT	Notice of Tax Adjustment or Assessment (149)
OC	Cargo Insurance Advice of Shipment (362)
OG	Order Group - Grocery (875, 876)
OR	Organizational Relationships (816)
OW	Warehouse Shipping Order (940)
PA	Price Authorization Acknowledgment/Status (845)
PB	Railroad Parameter Trace Registration (455)
PC	Purchase Order Change Request - Buyer Initiated (860)
PD	Product Activity Data (852)
PE	Periodic Compensation (256)
PF	Annuity Activity (268)
PG	Insurance Plan Description (100)
PH	Pricing History (503)
PI	Patient Information (275)
PJ	Project Schedule Reporting (806)
PK	Project Cost Reporting (839) and Contractor Cost Data Reporting (196)
PL	Railroad Problem Log Inquiry or Advice (452)
PN	Product Source Information (244)
PO	Purchase Order (850)
PQ	Property Damage Report (112)
PR	Purchase Order Acknowledgement (855)
PS	Planning Schedule with Release Capability (830)
PT	Product Transfer and Resale Report (867)
PU	Motor Carrier Shipment Pick-up Notification (216)
PV	Purchase Order Shipment Management Document (250)
PY	Payment Cancellation Request (829)
QG	Product Information (878, 879, 888, 889, 893, 896)
QM	Transportation Carrier Shipment Status Message (214)
QO	Ocean Shipment Status Information (313, 315)

RA	Payment Order/Remittance Advice (820)
RB	Railroad Clearance (470)
RC	Receiving Advice/Acceptance Certificate (861)
RD	Royalty Regulatory Report (185)
RE	Warehouse Stock Receipt Advice (944)
RH	Railroad Reciprocal Switch File (433)
RI	Routing and Carrier Instruction (853)
RJ	Railroad Mark Register Update Activity (434)
RK	Standard Transportation Commodity Code Master (435)
RL	Rail Industrial Switch List (423)
RM	Railroad Station Master File (431)
RN	Requisition Transaction (511)
	Transaction set for ordering equipment and material. Can also be used to inquire about, amend, or terminate the original order
RO	Ocean Booking Information (300, 301, 303)
RP	Commission Sales Report (818)
RQ	Request for Quotation (840) and Procurement Notices (836)
RR	Response to Request For Quotation (843)
RS	Order Status Information (869, 870)
RT	Report of Test Results (863)
RU	Railroad Retirement Activity (429)
RV	Railroad Junctions and Interchanges Activity (437)
RW	Rail Revenue Waybill (426)
RX	Rail Deprescription (432)
RY	Request for Student Educational Record (Transcript) (146)
RZ	Response to Request for Student Educational Record (Transcript) (147)
SA	Air Shipment Information (104)
SB	Switch Rails (424)
SC	Price/Sales Catalog (832)
SD	Student Loan Pre-Claims and Claims (191)
SE	Shipper's Export Declaration (601)
SG	SG Receiving Advice - Grocery (885)
SH	Ship Notice/Manifest (856)
SI	Shipment Information (858)
SJ	Transportation Automatic Equipment Identification (160)
SL	Student Loan Application and Guarantee (135, 139)
SM	Motor Carrier Load Tender (204)
SN	Rail Route File Maintenance (475)
SO	
SP	Specifications/Technical Information (841)
SQ	Production Sequence (866)
SR	Rail Carrier Shipment Information (404, 419)
SS	Shipping Schedule (862)
ST	Railroad Service Commitment Advice (453)
SU	Account Assignment/Inquiry and Service/Status (248)
SV	Student Enrollment Verification (190)
SW	Warehouse Shipping Advice (945)
TA	Electronic Filing of Tax Return Data Acknowledgment (151)
TC	Court Submission (176)
TD	Trading Partner Profile (838)
TF	Electronic Filing of Tax Return Data (813)

TI	Tax Information Exchange (826)
TM	Motor Carrier Delivery Trailer Manifest (212)
TN	Tax Rate Notification (150)
TO	Real Estate Title Services (197, 199, 265)
TP	Rail Rate Transactions (460, 463, 466, 468, 485, 486, 490, 492, 494)
TR	Train Sheet (161)
TS	Transportation Services Tender (602)
TT	Testing Results Request and Report (138)
TX	Text Message (864)
UA	Retail Account Characteristics (885)
UB	Customer Call Reporting (886)
UC	Uniform Commercial Code Filing (154)
UD	Deduction Research Report (891)
UI	Underwriting Information Services (255)
UP	Motor Carrier Pick-up Manifest (215)
UW	Insurance Underwriting Requirements Reporting (186)
VA	Vehicle Application Advice (126)
VB	Vehicle Baying Order (127)
VC	Vehicle Shipping Order (120)
VD	Vehicle Damage (124)
VE	Vessel Content Details (109)
VH	Vehicle Carrier Rate Update (129)
VI	Voter Registration Information (280)
VS	Vehicle Service (121)
WA	Product Service Transaction Sets (140, 141, 142, 143)
WB	Rail Carrier Waybill Interchange (417)
WG	Vendor Performance Review (501)
WI	Wage Determination (288)
WL	Well Information (625)
WR	Shipment Weights (440)
WT	Rail Waybill Request (425)

715   Functional Group Acknowledge Code

REPRESENTATION = ID 1/1

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

CODE	DEFINITION
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
W	Rejected, Assurance Failed Validity Tests
X	Rejected, Content After Decryption Could Not Be Analyzed

716   Functional Group Syntax Error Code

REPRESENTATION = ID 1/3

Code indicating error found based on the syntax editing of the functional group header and/or trailer

CODE	DEFINITION
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
19	S1E Security End Segment Missing for S1S Security Start Segment
20	S1S Security Start Segment Missing for S1E End Segment
21	S2E Security End Segment Missing for S2S Security Start Segment
22	S2S Security Start Segment Missing for S2E Security End Segment
23	S3E Security End Segment Missing for S3S Security Start Segment
24	S3S Security Start Segment Missing for S3E End Segment
25	S4E Security End Segment Missing for S4S Security Start Segment
26	S4S Security Start Segment Missing for S4E Security End Segment

717   Transaction Set Acknowledgment Code

REPRESENTATION = ID 1/1

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

CODE	DEFINITION
A	Accepted
E	Accepted But Errors Were Noted
M	Rejected, Message Authentication Code (MAC) Failed
R	Rejected
W	Rejected, Assurance Failed Validity Tests
X	Rejected, Content After Decryption Could Not Be Analyzed

718   Transaction Set Syntax Error Code

REPRESENTATION = ID 1/3

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

CODE	DEFINITION
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
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
19	S1E Security End Segment Missing for S1S Security Start Segment
20	S1S Security Start Segment Missing for S1E Security End Segment
21	S2E Security End Segment Missing for S2S Security Start Segment
22	S2S Security Start Segment Missing for S2E Security End Segment
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

719   Segment Position in Transaction Set
REPRESENTATION = 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

720   Segment Syntax Error Code
REPRESENTATION = ID 1/3
Code indicating error found based on the syntax editing of a segment

CODE	DEFINITION
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

721   Segment ID Code
REPRESENTATION = ID 2/3
Code defining the segment ID of the data segment in error (See Appendix A - Number 77)

722   Element Position in Segment
REPRESENTATION = 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

723   Data Element Syntax Error Code
REPRESENTATION = ID 1/3
Code indicating the error found after syntax edits of a data element

CODE	DEFINITION
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

724   Copy of Bad Data Element

REPRESENTATION = AN 1/99

This is a copy of the data element in error

725   Data Element Reference Number

REPRESENTATION = N0 1/4

Reference number used to locate the data element in the Data Element Dictionary

1528   Component Data Element Position in Composite

REPRESENTATION = N0 1/2

To identify the component data element position within the composite that is in error