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** Code uniquely identifying a Transaction Set Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 3/3**
M	**ST02**	**329**	**Transaction Set Control Number** 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**

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** Code identifying a group of application related transaction sets Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 2/2**
M	**AK102**	**28**	**Group Control Number** Assigned number originated and maintained by the sender	**M N0 1/9**

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** Code uniquely identifying a Transaction Set Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 3/3**
M	**AK202**	**329**	**Transaction Set Control Number** 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**

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** Code defining the segment ID of the data segment in error (See Appendix A - Number 77)	**M ID 2/3**
M	**AK302**	**719**	**Segment Position in Transaction Set** 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** 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** Code indicating error found based on the syntax editing of a segment Refer to 004010 Data Element Dictionary for acceptable code values.	**O ID 1/3**

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.	Data Element	Name	Attributes	
M	**AK401**	**C030**	**Position in Segment** 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**	
M	**C03001**	**722**	**Element Position in Segment** 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**
	C03002	**1528**	**Component Data Element Position in Composite** To identify the component data element position within the composite that is in error	**O**	**N0 1/2**
	AK402	**725**	**Data Element Reference Number** Reference number used to locate the data element in the Data Element Dictionary	**O**	**N0 1/4**
M	**AK403**	**723**	**Data Element Syntax Error Code** Code indicating the error found after syntax edits of a data element Refer to 004010 Data Element Dictionary for acceptable code values.	**M**	**ID 1/3**
	AK404	**724**	**Copy of Bad Data Element** This is a copy of the data element in error	**O**	**AN 1/99**

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

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** 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 ID 1/1**
M	**AK902**	**97**	**Number of Transaction Sets Included** 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**
M	**AK903**	**123**	**Number of Received Transaction Sets** Number of Transaction Sets received	**M N0 1/6**
M	**AK904**	**2**	**Number of Accepted Transaction Sets** Number of accepted Transaction Sets in a Functional Group	**M N0 1/6**
	AK905	**716**	**Functional Group Syntax Error Code** 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.	**O ID 1/3**
	AK906	**716**	**Functional Group Syntax Error Code** 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.	**O ID 1/3**
	AK907	**716**	**Functional Group Syntax Error Code** 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.	**O ID 1/3**
	AK908	**716**	**Functional Group Syntax Error Code** 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.	**O ID 1/3**
	AK909	**716**	**Functional Group Syntax Error Code** 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.	**O ID 1/3**

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** Total number of segments included in a transaction set including ST and SE segments	**M N0 1/10**
M	**SE02**	**329**	**Transaction Set Control Number** 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**

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