

(004010) April 15, 1998

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 Pos. Seg. Req. Loop Notes and

No. No. ID Name Des. Max.Use Repeat Comments

010	ST	Transaction Set Header	M	1	n1
020	AK1	Functional Group Response Header	M	1	n2
		LOOP ID - AK2		999999	
030	AK2	Transaction Set Response Header	O	1	n3
		LOOP ID - AK3		999999	
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 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) 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. Data****Des. Element Name Attributes**

>>	ST01	143	Transaction Set Identifier Code	M	ID 3/3
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	997		Functional Acknowledgment		
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>>	ST02	329	Transaction Set Control Number	M	AN 4/9
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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:**

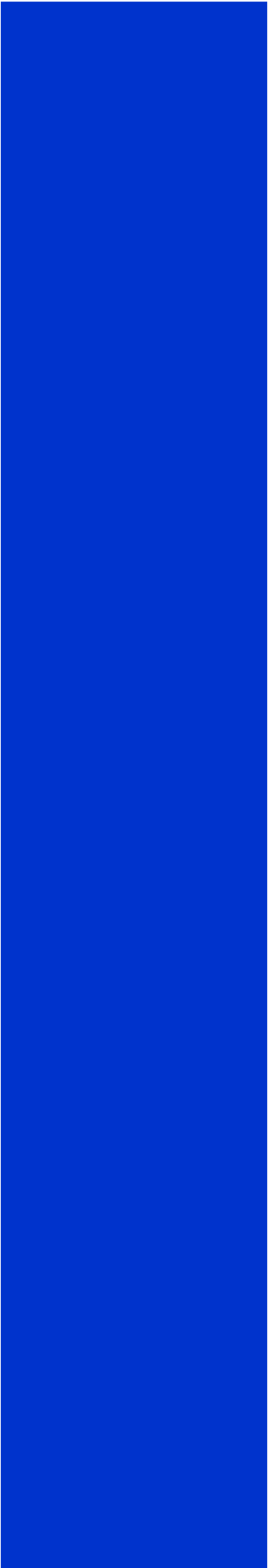
Semantic Notes: 1 AK101 is the functional ID found in the GS segment (GS01) in the functional group being acknowledged.

2 AK102 is the functional group control number found in the GS segment in the functional group being acknowledged.

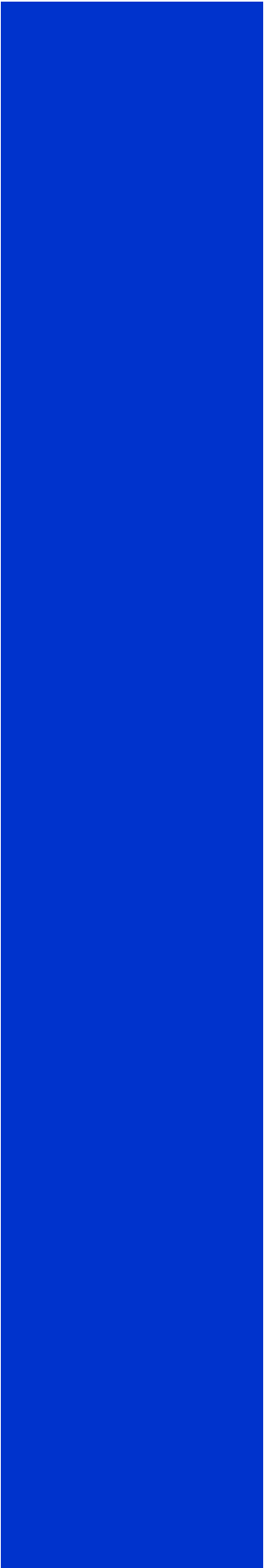
Comments:**Data Element Summary**

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

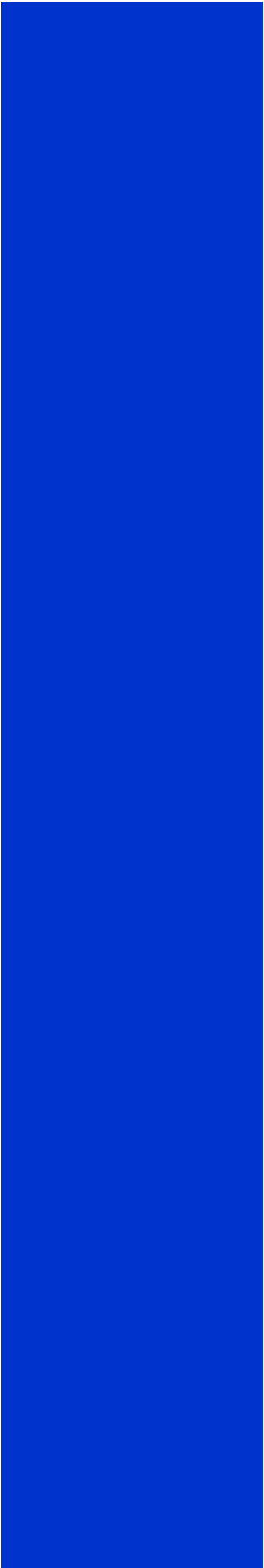
>>	AK101	479	Functional Identifier Code	M	ID 2/2
	AA		Account Analysis (822)		
	AB		Logistics Service Request (219)		
	AD		Individual Life, Annuity and Disability Application (267)		
	AF		Application for Admission to Educational Institutions (189)		
	AG		Application Advice (824)		
	AH		Logistics Service 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)		



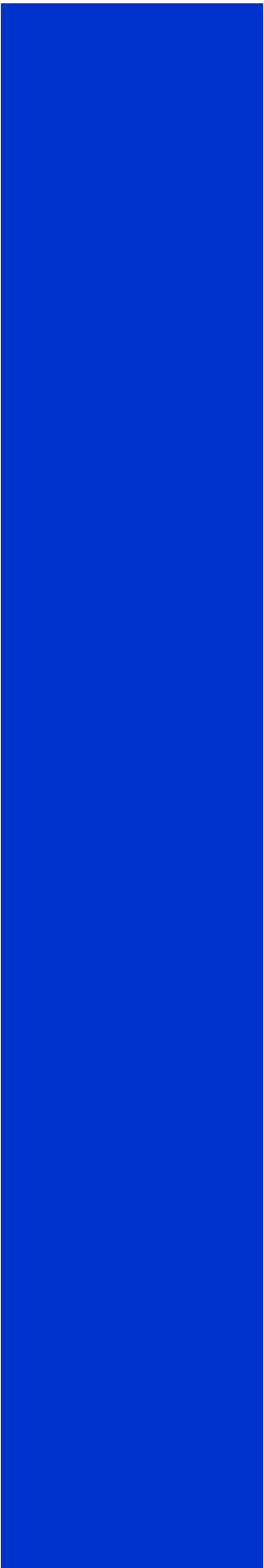
CB	Unemployment Insurance Tax Claim or Charge Information (153)
CC	Clauses and Provisions (504)
CD	Credit/Debit Adjustment (812)
CE	Cartage Work Assignment (222)
CF	Corporate Financial Adjustment Information (844 and 849)
CG	Administrative Message (994)
CH	Car Handling Information (420)
CI	Consolidated 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)
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)



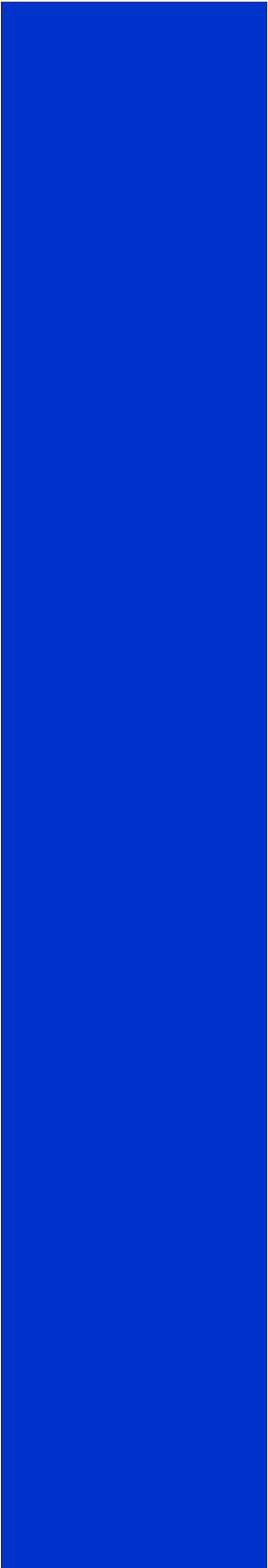
EC	Educational Course Inventory (188)
ED	Student Educational Record (Transcript) (130)
EI	Railroad Equipment Inquiry or Advice (456)
ER	Revenue Receipts Statement (170)
ES	Notice of Employment Status (540)
EV	Railroad Event Report (451)
EX	Excavation Communication (620)
FA	Functional Acknowledgment (997)
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)



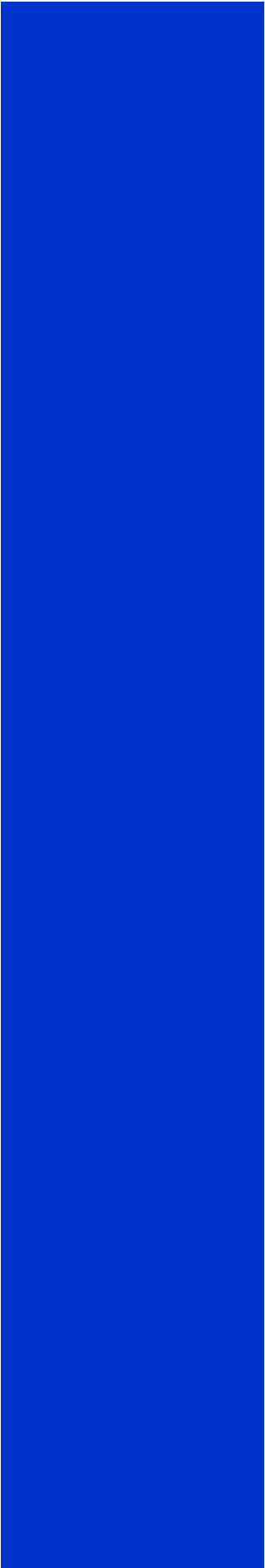
IA	Air Freight Details and Invoice (110, 980)
IB	Inventory Inquiry/Advice (846)
IC	Rail Advance Interchange Consist (418)
ID	Insurance/Annuity Application Status (273)
IE	Insurance Producer Administration (252)
IG	Direct Store Delivery Summary Information (882)
II	Rail Freight Details and Invoice Summary (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)
ME	Mortgage Origination (198, 200, 201, 261, 262, 263, 833, 872)



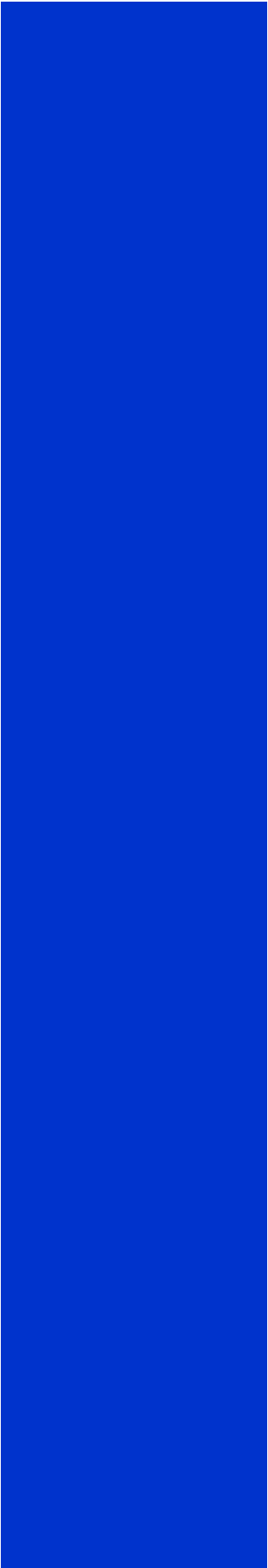
MF	Market Development Funds Settlement (884)
MG	Mortgage Servicing Transaction Sets (203, 206, 260, 264, 266)
MH	Motor Carrier Rate Proposal (106)
MI	Motor Carrier Shipment Status Inquiry (213)
MJ	Secondary Mortgage Market Loan Delivery (202)
MK	Response to a Motor Carrier Rate Proposal (108)
MM	Medical 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)
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)

>> **AK102** **28** **Group Control Number** **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. Data****Des. Element Name Attributes**

>>	AK201	143	Transaction Set Identifier Code	M	ID 3/3
	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

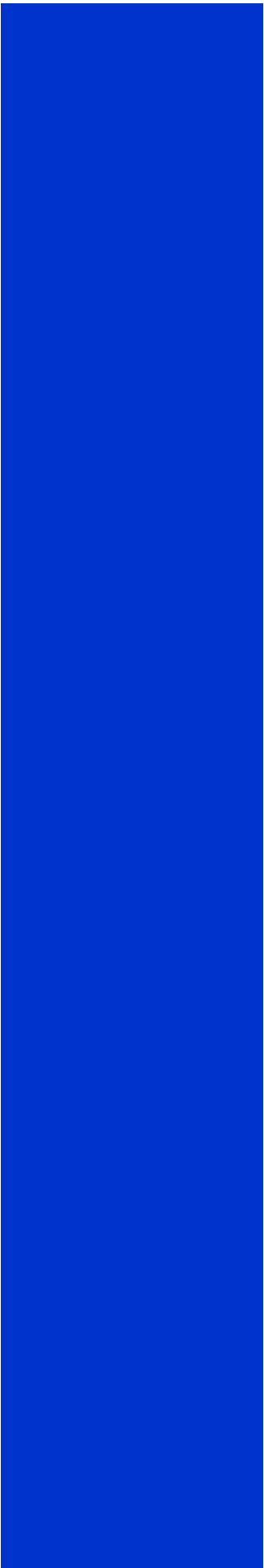
186	Insurance Underwriting Requirements Reporting
188	Educational Course Inventory
189	Application for Admission to Educational Institutions
190	Student Enrollment Verification
191	Student Loan Pre-Claims and Claims
194	Grant or Assistance Application
195	Federal Communications Commission (FCC) License 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
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
517	Material Obligation Validation
521	Income or Asset Offset
527	Material Due-In and Receipt
536	Logistics Reassignment
540	Notice of Employment Status
561	Contract Abstract
567	Contract Completion Status
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

>> AK202 329 Transaction Set Control Number 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. Data

Des. Element Name Attributes

>>	AK301	721	Segment ID Code	M	ID 2/3
>>	AK302	719	Segment Position in Transaction Set	M	N0 1/6
	AK303	447	Loop Identifier Code	O	AN 1/6
	AK304	720	Segment Syntax Error Code	O	ID 1/3

- 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

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

>>	AK401	C030	Position in Segment	M	
>>	C03001	722	Element Position in Segment	M	N0 1/2
	C03002	1528	Component Data Element Position in Composite	O	N0 1/2
	AK402	725	Data Element Reference Number	O	N0 1/4
>>	AK403	723	Data Element Syntax Error Code	M	ID 1/3

- 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

AK404 724 Copy of Bad Data Element 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. Data****Des. Element Name Attributes**

>>	AK501	717	Transaction Set Acknowledgment Code	M	ID 1/1
	AK502	718	Transaction Set Syntax Error Code	O	ID 1/3
		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

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

Refer To Code List In AK502

AK504 718 Transaction Set Syntax O ID 1/3 Error Code

Refer To Code List In AK502

AK505 718 Transaction Set Syntax O ID 1/3 Error Code

Refer To Code List In AK502

AK506 718 Transaction Set Syntax O ID 1/3 Error Code

Refer To Code List In AK502

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. Data

Des. Element Name Attributes

>>	AK901	715	Functional Group Acknowledge Code	M	ID 1/1
		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		

>>	AK902	97	Number of Transaction Sets Included	M	N0 1/6
>>	AK903	123	Number of Received Transaction Sets	M	N0 1/6
>>	AK904	2	Number of Accepted Transaction Sets	M	N0 1/6
	AK905	716	Functional Group Syntax Error Code	O	ID 1/3
		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		

- 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

AK906 716 Functional Group Syntax O ID 1/3 Error Code

Refer To Code List In AK905

AK907 716 Functional Group Syntax O ID 1/3 Error Code

Refer To Code List In AK905

AK908 716 Functional Group Syntax O ID 1/3 Error Code

Refer To Code List In AK905

AK909 716 Functional Group Syntax O ID 1/3 Error Code

Refer To Code List In AK905

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.**Notes:** *The SE02 must be equal to the value in ST02***Data Element Summary****Ref. Data****Des. Element Name Attributes**

>>	SE01	96	Number of Included Segments	M	N0 1/10
>>	SE02	329	Transaction Set Control Number	M	AN 4/9