New York State Department of Motor Vehicles

ANSI X12 V3050 997 Functional Acknowledgment INFORMATIVE GUIDE

February 9, 2000

Insurance Information & Enforcement System (IIES) New Directions in Enforcing Compulsory Insurance Laws

Purpose

NOTE: THIS DOCUMENT IS FOR INFORMATION PURPOSES ONLY. INSURERS SHOULD NOT HAVE TO MAP A 997 FUNCTIONAL ACKNOWLEDGMENT TRANSACTION, SINCE COMMERCIAL TRANSLATORS TYPICALLY GENERATE 997's AUTOMATICALLY.

This document provides a sample ANSI X12 V3050 997 Functional Acknowledgment transaction in response to requests from many insurance companies planning for the IIES Program. The standard used for the NYS DMV IIES Program is Version 3 Release 5 (V3050).

NYS DMV has NOT altered the ANSI X12 V3050 997 transaction for the IIES Program. IIES will utilize the segments, data elements and error codes as available from the standard without change.

997 transactions are typically generated automatically by your commercial EDI translator and should not require manual mapping by your organization. Please contact your particular vendor with questions regarding the generation of 997 transactions from your product.

i

997

Functional Acknowledgment

Functional Group=FA

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.

Segments:

<u>Pos</u>	<u>Id</u>	Segment Name	Req	Max Use	Repeat	<u>Notes</u>
	ISA	Interchange Control Header	M	1		
	GS	Functional Group Header	M	1		

Heading:

LOODID ARA

Pos	<u>Id</u>	Segment Name	Req	Max Use	Repeat	Notes
010	ST	Transaction Set Header	M	1		N1/010
020	AK1	Functional Group Response Header	M	1		N1/020

LUUPI	<u>D - AKZ</u>				<u>999999</u>	
030	AK2	Transaction Set Response Header	О	1	N1/030	
LOOPI	D - AK3				999999	
040	AK3	Data Segment Note	О	1		
050	AK4	Data Element Note	O	99		
060	AK5	Transaction Set Response Trailer	M	1		_
070	AK9	Functional Group Response Trailer	M	1		•

Segments:

080

SE

Transaction Set Trailer

Pos	<u>Id</u>	Segment Name	Req	Max Use	Repeat	Notes
	GE	Functional Group Trailer	M	1		
	IEA	Interchange Control Trailer	M	1		

Notes:

1/010 These acknowledgments shall not be acknowledged, thereby preventing an endless cycle of acknowledgments of acknowledgments.

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.

New York State Department of Motor Vehicles ANSI X12 V3050 997 Functional Acknowledgment

- 1/020 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.
- 1/030 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.

ISA

Interchange Control Header

Pos: Max: 1
- Mandatory
Loop: N/A Elements: 16

To start and identify an interchange of zero or more functional groups and interchange-related control segments

Ref	<u>Id</u>	Element Name	Req	Type	Min/Max
ISA01	I01	Authorization Information Qualifier	M	ID	2/2
		Code Name			
		No Authorization Information Present (No Meaningful			
		Information in IO2)			
		01 UCS Communications ID			
		02 EDX Communications ID			
		03 Additional Data Identification			
		04 Rail Communications ID 05 Department of Defense (DoD) Communication Identifier			
		O5 Department of Defense (DoD) Communication Identifier			
ISA02	102	Authorization Information	M	AN	10/10
ISA03	103	Security Information Qualifier	M	ID	2/2
		Code Name			
		No Security Information Present (No Meaningful Information in			
		I04)			
		01 Password			
ISA04	104	Security Information	M	AN	10/10
		•			
ISA05	105	Interchange ID Qualifier	M	ID	2/2
		Code Name			
		 Duns (Dun & Bradstreet) SCAC (Standard Carrier Alpha Code) 			
		03 FMC (Standard Carrier Applia Code) 03 FMC (Federal Maritime Commission)			
		04 IATA (International Air Transport Association)			
		08 UCC EDI Communications ID (Comm ID)			
		09 X.121 (CCITT)			
		10 Department of Defense (DoD) Activity Address Code			
		11 DEA (Drug Enforcement Administration)			
		12 Phone (Telephone Companies)			
		UCS Code (The UCS Code is a Code Used for UCS			
		Transmissions; it includes the Area Code and Telephone Number			
		of a Modem; it Does Not Include Punctuation, Blanks or Access Code)			
		14 Duns Plus Suffix			
		15 Petroleum Accountants Society of Canada Company Code			
		16 Duns Number With 4-Character Suffix			
		17 American Bankers Association (ABA) Transit Routing Number			
		(Including Check Digit, 9 Digit)			
		18 Association of American Railroads (AAR) Standard Distribution			
		Code			
		19 EDI Council of Australia (EDICA) Communications ID Number			
		(COMM ID) 20 Health Industry Identification Number			
		•			

Ref	<u>Id</u>		Element Name	Req	Type	Min/Max
		21	Integrated Postsecondary Education Data System, or (IPEDS)			
		22	Federal Interagency Commission on Education, or FICE			
		23	National Center for Education Statistics Common Core of Data			
			12-Digit Number for Pre-K-Grade 12 Institutes, or NCES			
		24	The College Board's Admission Testing Program 4-Digit Code of			
			Postsecondary Institutes, or ATP			
		25	American College Testing Program 4-Digit Code of			
			Postsecondary Institutions, or ACT			
		26	Statistics of Canada List of Postsecondary Institutions			
		27	Carrier Identification Number as assigned by Health Care			
			Financing Administration (HCFA)			
		28	Fiscal Intermediary Identification Number as assigned by Health			
		20	Care Financing Administration (HCFA)			
		29	Medicare Provider and Supplier Identification Number as assigned			
		20	by Health Care Financing Administration (HCFA)			
		30	U.S. Federal Tax Identification Number			
		31	Jurisdiction Identification Number Plus 4 as assigned by the			
			International Association of Industrial Accident Boards and			
		32	Commissions (IAIABC) U.S. Federal Employer Identification Number (FEIN)			
		33	National Association of Insurance Commissioners Company Code			
		33	(NAIC)			
		34	Medicaid Provider and Supplier Identification Number as assigned			
		34	by individual State Medicaid Agencies in conjunction with Health			
			Care Financing Administration (HCFA)			
		NR	National Retail Merchants Association (NRMA) - Assigned			
		ZZ	Mutually Defined			
ISA06	I 06	Intercha	ange Sender ID	M	AN	15/15
ISA07	I05		ange ID Qualifier	M	ID	2/2
			Name			
		01	Duns (Dun & Bradstreet)			
		02 03	SCAC (Standard Carrier Alpha Code)			
		03	FMC (Federal Maritime Commission) IATA (International Air Transport Association)			
		08	UCC EDI Communications ID (Comm ID)			
		09	X.121 (CCITT)			
		10	Department of Defense (DoD) Activity Address Code			
		11	DEA (Drug Enforcement Administration)			
		12	Phone (Telephone Companies)			
		13	UCS Code (The UCS Code is a Code Used for UCS			
			Transmissions; it includes the Area Code and Telephone Number			
			of a Modem; it Does Not Include Punctuation, Blanks or Access			
			Code)			
		14	Duns Plus Suffix			
		15	Petroleum Accountants Society of Canada Company Code			
		16	Duns Number With 4-Character Suffix			
		17	American Bankers Association (ABA) Transit Routing Number			
			(Including Check Digit, 9 Digit)			
		18	Association of American Railroads (AAR) Standard Distribution			
			Code			
		19	EDI Council of Australia (EDICA) Communications ID Number			
		20	(COMM ID)			
		20 21	Health Industry Identification Number Integrated Postsocondary Education Data System, or (IDEDS)			
		21	Integrated Postsecondary Education Data System, or (IPEDS) Federal Interagency Commission on Education, or FICE			
		23	National Center for Education Statistics Common Core of Data			
		43	reactional Center for Education Statistics Collillion Core of Data			

Ref	<u>Id</u>	Element Name	Req	Type	Min/Max
		12-Digit Number for Pre-K-Grade 12 Institutes, or NCES			
		The College Board's Admission Testing Program 4-Digit Code of			
		Postsecondary Institutes, or ATP			
		25 American College Testing Program 4-Digit Code of			
		Postsecondary Institutions, or ACT Statistics of Canada List of Postsecondary Institutions			
		 Statistics of Canada List of Postsecondary Institutions Carrier Identification Number as assigned by Health Care 			
		Financing Administration (HCFA)			
		28 Fiscal Intermediary Identification Number as assigned by Health			
		Care Financing Administration (HCFA)			
		29 Medicare Provider and Supplier Identification Number as assigned			
		by Health Care Financing Administration (HCFA)			
		30 U.S. Federal Tax Identification Number			
		Jurisdiction Identification Number Plus 4 as assigned by the			
		International Association of Industrial Accident Boards and			
		Commissions (IAIABC) 32 U.S. Federal Employer Identification Number (FEIN)			
		 U.S. Federal Employer Identification Number (FEIN) National Association of Insurance Commissioners Company Code 			
		(NAIC)			
		34 Medicaid Provider and Supplier Identification Number as assigned			
		by individual State Medicaid Agencies in conjunction with Health			
		Care Financing Administration (HCFA)			
		NR National Retail Merchants Association (NRMA) - Assigned			
		ZZ Mutually Defined			
ISA08	107	Interchange Receiver ID	M	AN	15/15
- 21.00					
ISA09	108	Interchange Date	M	DT	6/6
ISA10	109	Interchange Time	M	TM	4/4
ISA11	I10	Interchange Control Standards Identifier	M	ID	1/1
-2		Code Name			_,_
		U U.S. EDI Community of ASC X12, TDCC, and UCS			
ISA12	I11	Interchange Control Version Number	M	ID	5/5
		Code Name			
		00200 Standard Issued as ANSI X12.5-1987			
		00201 Draft Standard for Trial Use Approved by ASC X12 Through			
		August 1988			
		00204 Draft Standard for Trial Use Approved by ASC X12 Through May 1989			
		00300 Standard Issued as ANSI X12.5-1992			
		00301 Draft Standard for Trial Use Approved for Publication by ASC			
		X12 Procedures Review Board Through October 1990			
		00302 Draft Standard for Trial Use Approved for Publication by ASC			
		X12 Procedures Review Board Through October 1991			
		00303 Draft Standard for Trial Use Approved for Publication by ASC			
		X12 Procedures Review Board Through October 1992			
		00304 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1993			
ISA13	I12	Interchange Control Number	M	N0	9/9
ISA14	I13	Acknowledgment Requested	M	ID	1/1
101117	-10	Code Name	142	110	-/ -
		- Tunic			

Ref	<u>Id</u>	Element Name	Req	Type	Min/Max
		0 No Acknowledgment Requested			
		1 Interchange Acknowledgment Requested			
ISA15	I14	Test Indicator	M	ID	1/1
		Code Name			
		P Production Data			
		T Test Data			
ISA16	I15	Component Element Separator	M	AN	1/1

GS Functional Group Header

Pos: Max: 1
- Mandatory
Loop: N/A Elements: 8

To indicate the beginning of a functional group and to provide control information

Ref	<u>Id</u>		Element Name	Req	Type	Min/Max
GS01	479	Function	nal Identifier Code	M	ID	2/2
		Code	Name			
		AA	Customer Account Analysis (822)			
		AG	Application Advice (824)			
		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)			
		AR	Warehouse Stock Transfer Shipment Advice (943)			
		AW	Warehouse Inventory Adjustment Advice (947)			
		BE	Benefit Enrollment and Maintenance (834)			
		BS	Shipment and Billing Notice (857)			
		CA	Purchase Order Change Acknowledgment/Request - Seller			
			Initiated (865)			
		CC	Clauses and Provisions (504)			
		CD	Credit/Debit Adjustment (812)			
		CF	Corporate Financial Adjustment Information (844 and 849)			
		CG	Administrative Message (994)			
		CH	Car Handling Information (420)			
		CI	Consolidated Service Invoice/Statement (811)			
		CO	Cooperative Advertising Agreement (290)			
		CP	Electronic Proposal Information (251, 805)			
		CR	Rail Carhire Settlements (414)			
		CS	Cryptographic Service Message (815)			
		CT	Application Control Totals (831)			
		D3	Contract Completion Status (567)			
		D4	Contract Abstract (561)			
		D5	Contract Payment Management Report (568)			
		DA	Debit Authoriztion (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)			
		ED	Student Educational Record (Transcript) (130)			
		EI	Railroad Equipment Inquiry or Advice (456)			
		ER	Revenue Receipts Statement (170)			
		EV	Railroad Event Report (451)			
		FA	Functional Acknowledgment (997)			
		FB	Freight Invoice (859)			
		FC	Court Notice (175) Motor Coming Loading and Pouts Chida (217)			
		FG	Motor Carrier Loading and Route Guide (217)			
		FH FR	Motor Carrier Tariff Information (218)			
			Financial Reporting (821, 827)			
		FT	File Transfer (996)			

Ref _	Id_		Element Name	Req	Type	Min/Max
		GB	Average Agreement Demurrage (423)			
		GC	Damage Claim Transaction Sets (920, 924, 925, 926)			
		GF	Response to a Load Tender (990)			
		GP	Grocery Products Invoice (880)			
		GR	Statistical Government Information (152)			
		HB	Health Care Eligibility/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	Health Care Eligibility/Benefit Inquiry (270)			
		IA	Air Freight Details and Invoice (110)			
		IB IC	Inventory Inquiry/Advice (846)			
		IG	Rail Advance Interchange Consist (418) Invoice Group - Grocery (880, 882)			
		II	Rail Freight Details and Invoice Summary (411)			
		IJ	Report of Injury or Illness (148)			
		IM	Motor Carrier Freight Details and Invoice (210)			
		IN	Invoice Information (810,819)			
		IO	Ocean Shipment Billing Details (310, 312)			
		IP	Intermodal Ramp Activity (622)			
		IR	Rail Carrier Freight Details and Invoice (410)			
		IS	Estimated Time of Arrival and Car Scheduling (421)			
		LA	Federal Communications Commission (FCC) License Application			
		T A	(195)			
		LA	Federal Communications Commission (FCC) License Application			
		LB	(195) Lockbox (823)			
		LN	Property and Casualty Loss Notification (272)			
		LR	Logistics Reassignment (536)			
		LS	Asset Schedule (851)			
		LT	Student Loan Transfer and Status Verification (144)			
		MB	Mortgage Credit Report (200)			
		MD	Department of Defense Inventory Management (527)			
		ME	Mortgage Origination (262)			
		MF	Market Development Funds Settlement (884)			
		MG	Mortgage Servicing Transaction Sets (260,264,266)			
		MH	Secondary Mortgage Market Investor Report (203)			
		MI	Motor Carrier Shipment Status Inquiry (213)			
		ML	Mortgage Credit Report Order (201,833)			
		MR	Multilevel Railcar Load Details (125)			
		MS	Material Safety Data Sheet (848)			
		MT MV	Electronic Form Structure (868) Material Obligation Validation (517)			
		MW				
		MX	Rail Waybill Response (427) Material Claim (847)			
		NC	Nonconformance Report (842)			
		OC	Cargo Insurance Advice of Shipment (362)			
		OG	Order Group - Grocery (875, 876)			
		OR	Organizational Relationship (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)			
		PH	Pricing History (503)			
		PJ	Project Schedule Reporting (806)			
		PK	Project Cost Reporting (839) and Contractor Cost Data Reporting			

Ref	<u>Id</u>		Element Name	Req	<u>Type</u>	Min/Max
		DI	(196)			
		PL	Railroad Problem Log Inquiry or Advice (452)			
		PM	Residential Mortgage Insurance Application (872)			
		PO PR	Purchase Order (850)			
		PS	Purchase Order Acknowledgement (855) Planning Schedule with Release Capability (830)			
		PT	Product Transfer and Resale Report (867)			
		PV	Purchase Order Shipment Management Document (250)			
		PY	Payment Cancellation Request (829)			
		PZ	Residential Mortgage Insurance Application Response (263)			
		QG	Product Information (878, 879, 888, 889, 893, 896)			
		QM	Transporation Carrier Shipment Status Message (214)			
		QO	Ocean Shipment Status Information (313, 315)			
		RA	Payment Order/Remittance Advice (820)			
		RC	Receiving Advice/Acceptance Certificate (861)			
		RD	Royalty Regulatory Reports (185)			
		RE	Warehouse Stock Receipt Advice (944)			
		RF	Rail Route File Maintenance (475)			
		RG	Railroad Reciprocal Switch File (433)			
		RI	Routing and Carrier Instruction (853)			
		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)			
		RX RY	Rail Deprescription (432)			
		RZ	Request for Student Educational Record (Transcript) (146) 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 Preclaims (191)			
		SE	Shipper's Export Declaration (601)			
		SF	Standard Transportation Commodity Code Master (435)			
		SG	SG Receiving Advice - Grocery (885)			
		SH SI	Ship Notice/Manifest (856) Shipment Information (858)			
		SL	Student Loan Application and Guarantee (135, 139)			
		SM	Motor Carrier Shipment Information (204)			
		SO	Ocean Shipment Information (304, 306, 309, 311, 317, 319, 321,			
		50	322, 323, 324, 325, 350, 352, 353, 354, 355, 356, 357, 358,			
		CD	361)			
		SP	Specifications/Technical Information (841)			
		SQ SD	Production Sequence (866) Pail Carrier Shipment Information (404, 419, 426)			
		SR SS	Rail Carrier Shipment Information (404, 419, 426)			
		SS ST	Shipping Schedule (862) Railroad Service Commitment Advice (453)			
		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)			
			·····()			

Ref _	<u>Id</u>	Element Name	Req	Type	Min/Max
		TI Tax Information Reporting (826)	·		
		TN Tax Rate Notification (150)			
		TO Real Estate Title Insurance Services Order (265)			
		TP Rail Rate Transactions (460, 461, 462, 463, 464, 465, 466, 467,			
		468, 480, 485, 486, 490, 491, 492, 494)			
		TR Train Sheet (161)			
		TS Transportation Services Tender (602)			
		TX Text Message (864)			
		UA Store Characteristics (885)			
		UB Customer Call Reporting (886)			
		UC Uniform Commercial Code Filing (154)			
		UD Deduction Research Report (891)			
		UW Laboratory Reporting (186)			
		VA Vehicle Application Advice (126)			
		VB Vehicle Baying Order (127)			
		VC Vehicle Shipping Order (120)			
		VH Vehicle Carrier Rate Update (129)			
		VS Vehicle Service (121)			
		WA Product Service Transaction Sets (140, 141, 142, 143)			
		WB Rail Carrier Waybill Interchange (417)			
		WG Vendor Performance Review (501)			
		WR Shipment Weights (440)			
		WT Rail Waybill Request (425)			
GS02	142	Application Sender's Code	M	AN	2/15
G502	1.2	ipplication behave a code	114		2,10
GS03	124	Application Receiver's Code	M	AN	2/15
GS04	373	Date	M	DT	6/6
GS05	337	Time	M	TM	4/8
GS06	28	Group Control Number	M	N0	1/9
C C C P	455	D 71.4 G.1	3.5	TD	1/2
GS07	455	Responsible Agency Code	M	ID	1/2
		Code Name Transportation Data Coordinating Committee (TDCC)			
		X Accredited Standards Committee X12			
		A Accredited Standards Committee A12			
GS08	480	Varcian / Dalagge / Industry Identifier Code	м	AN	1/12
GSUO	400	Version / Release / Industry Identifier Code Code Name	M	AIN	1/12
		CodeName001000ASC X12 Standards Approved by ANSI in 1983			
		002000 ASC X12 Standards Approved by ANSI in Feb, 1986			
		002001 Draft Standards Approved by ASC X12 in November 1987			
		002002 Draft Standards Approved by ASC X12 through February			
		1988			
		002003 Draft Standards Approved by ASC X12 through August			
		1988			
		002031 Draft Standards Approved by ASC X12 Through February			
		1989			
		002040 Draft Standards Approved by ASC X12 Through May 1989			
		002041 Draft Standards Approved by ASC X12 Through October			
		1989			
		002042 Draft Standards Approved By ASC X12 Through February 1990.			
		003000 ASC X12 Standards Approved by ANSI in 1992			
		130 112 Suitaita 1pproved by 11101 iii 1//2			

Ref	<u>Id</u>	Element Name	Req	Type	Min/Max
		003010 Draft Standards Approved By ASC X12 Through June			
		1990.			
		003011 Draft Standards Approved for Publication by ASC X12			
		Procedures Review Board through February 1991			
		003012 Draft Standards Approved for Publication by ASC X12			
		Procedures Review Board through June 1991			
		003020 Draft Standards Approved for Publication by ASC X12			
		Procedures Review Board through October 1991			
		003021 Draft Standards Approved for Publication By ASC X12			
		Procedures Review Board through February 1992			
		003022 Draft Standards Approved for Publication by ASC X12			
		Procedures Review Board through June 1992			
		003030 Draft Standards Approved for Publication by ASC X12			
		Procedures Review Board Through October 1992			
		003031 Draft Standards for Publication by ASC X12 Procedures			
		Review Board Through February 1993			
		003032 Draft Standards Approved for Publication by ASC X12			
		Procedures Review Board Through June 1993			
		003040 Draft Standards Approved for Publication by ASC X12			
		Procedures Review Board through October 1993			
		003041 Draft Standards Approved for Publication by ASC by ASC			
		X12 Procedures Review Board through February 1994			
		003042 Draft Standards Approved for Publication by ASC X12			
		Procedures Review Board through June 1994			
		003050 Draft Standards Approved for Publication by ASC X12			
		Procedures Review Board through October 1994			
		003051 Draft Standards Approved for Publication by ASC X12			
		Procedures Review Board through February 1995			
		003052 Draft Standards Approved for Publication by ASC X12			
		Procedures Review Board through June 1995			

Semantics:

- 1. GS04 is the Group Date.
- 2. GS05 is the Group Time.
- The data interchange control number GS06 in this header must be identical to thesame data element in the associated Functional Group Trailer GE02.

Comments:

1. A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

ST Transaction Set Header

Pos: 010 Max: 1 Heading - Mandatory Loop: N/A Elements: 2

To indicate the start of a transaction set and to assign a control number

Ref	<u>Id</u>		Element Name	Req	<u>Type</u>	Min/Max
ST01	143	Transac	tion Set Identifier Code	\mathbf{M}	ID	3/3
		Code	Name			
		104	X12.100 Air Shipment Information			
		110	X12.101 Air Freight Details and Invoice			
		120	X12.70 Vehicle Shipping Order			
		121	X12.71 Vehicle Service			
		125	X12.75 Multilevel Railcar Load Details			
		126	X12.76 Vehicle Application Advice			
		127	X12.77 Vehicle Baying Order			
		128	X12.78 Dealer Information			
		129	X12.79 Vehicle Carrier Rate Update			
		130	X12.89 Student Educational Record (Transcript)			
		131	X12.90 Student Educational Record (Transcript)			
			Acknowledgment			
		135	X12.198 Student Loan Application			
		139	X12.265 Student Loan Guarantee Result			
		140	X12.200 Product Registration			
		141	X12.201 Product Service Claim Response			
		142	X12.202 Product Service Claim			
		143	X12.203 Product Service Notification			
		144	X12.94 Student Loan Transfer and Status Verification (144)			
		146	X12.121 Request for Student Educational Record (Transcript)			
		147	X12.123 Response to Request for Student Educational Record			
			(Transcript)			
		148	X12.124 Report of Injury or Illness			
		150	X12.204 Tax Rate Notification			
		151	X12.205 Electronic Filing of Tax Return Data Acknowledgment			
		152	X12.206 Statistical Government Information			
		154	X12.99 Uniform Commercial Code Filing			
		161	X12.72 Train Sheet			
		170	X12.210 Revenue Receipts Statement			
		175	X12.305 Court Notice			
		176	X12.306 Court Submission			
		180	X12.255 Return Merchandise Authorization and Notification			
		185	X12.266 Royalty Regulatory Reports			
		186	X12.284 Laboratory Reporting			
		190	X12.264 Student Enrollment Verification			
		191	X12.276 Student Loan Preclaims			
		195	X12.267 Federal Communications Commission (FCC) License			
			Application			
		196	X12.280 Contractor Cost Data Reporting			
		200	X12.304 Mortgage Credit Report			
		201	X12.326 Residential Loan Application			
		203	X12.340 Secondary Mortgage Market Investor Report			
		204	X12.103 Motor Carrier Shipment Information			
		210	X12.104 Motor Carrier Freight Details and Invoice			
		213	X12.105 Motor Carrier Shipment Status Inquiry			

Ref_	<u>Id</u>		Element Name	Req	Type	Min/Max
		214	X12.106 Transportation Carrier Shipment Status Message			
		217	X12.107 Motor Carrier Loading and Route Guide			
		218	X12.108 Motor Carrier Tariff Information			
		242	X12.274 Data Status Tracking			
		250	X12.98 Purchase Order Shipment Management Document			
		251	X12.288 Pricing Support			
		260	X12.275 Application for Mortgage Insurance Benefits			
		262	X12.278 Residential Appraisal Report (262)			
		263	X12.279 Residential Mortgage Insurance Application Response			
		264	X12.285 Mortgage Loan Default Status			
		265	X12.286 Real Estate Title Insurance Services Order			
		266	X12.295 Mortgage Record Change			
		270	X12.281 Health Care Eligibility/Benefit Inquiry			
		271	X12.282 Health Care Eligibility/Benefit Information			
		272	X12.283 Property and Casualty Loss Notification			
		276	X12.316 Health Care Claim Status Request			
		277	X12.317 Health Care Claim Status Notification			
		278	X12.336 Health Care Services Review Information			
		290	X12.293 Cooperative Advertising Agreement			
		300	X12.109 Reservation (Booking Request) (Ocean)			
		301	X12.109 Confirmation (Ocean)			
		303	X12.110 Booking Cancellation (Ocean)			
		304	X12.113 Shipping Instructions			
		306	Dock Receipt			
		309	X12.117 U.S. Customs Manifest			
		310	X12.118 Freight Receipt and Invoice (Ocean)			
		311	X12.182-Canadian Customs Information (Ocean)			
		312 313	X12.119 Arrival Notice (Ocean)			
		315	X12.120 Shipment Status Inquiry (Ocean) X12.122 Status Details (Ocean)			
		317	X12.271 Delivery/Pickup Order			
		319	X12.292 Terminal Information			
		321	Demurrage Guarantee (Ocean)			
		322	X12.127 Terminal Operations and Intermodal Ramp Activity			
		323	X12.128 Vessel Schedule and Intinerary (Ocean)			
		324	X12.129 Vessel Stow Plan (Ocean)			
		325	X12.208 Consolidation of Goods in Container			
		326	X12.97 Consignment Summary List			
		350	X12.130 U.S. Customs Release Information			
		352	X12.131 U.S. Customs Carrier General Order Status			
		353	X12.132 U.S. Customs Events Advisory Details			
		354	X12.133 U.S. Customs Automated Manifest Archive Status			
		355	X12.134 U.S. Customs Manifest Acceptance/Rejection			
		356	X12.211 U.S. Customs Permit to Transfer Request			
		357	X12.307 U.S. Customs In-Bond Information			
		358	X12.308 U.S. Customs Consist Information			
		361 362	X12.136 Carrier Interchange Agreement (Ocean) X12.312 Cargo Insurance Advice of Shipment			
		404	X12.138 Rail Carrier Shipment Information			
		410	X12.139 Rail Carrier Freight Details and Invoice			
		411	Freight Details and Invoice Summary (Rail)			
		414	X12.83 Car Hire Settlements			
		417	X12.141 Rail Carrier Waybill Interchange			
		418	X12.142 Rail Advance Interchange Consist			
		419	X12.143 Advance Car Disposition			
		420	X12.144 Car Handling Information			
		421	X12.261 Estimated Time of Arrival and Car Scheduling			
		422	X12.262 Shipper's Car Order			
		423	X12.327 Rail Industrial Switch List			

Ref_	<u>Id</u>		Element Name	Req	Type	Min/Max
		424	Switch Bills			
		425	X12.149 Rail Waybill Request			
		426	X12.150 Rail Revenue Waybill			
		427	Waybill Response			
		429	X12.35 Railroad Retirement Activity			
		431	X12.65 Railroad Station Master File Transaction Set			
		432	X12.328 Rail Deprescription			
		433	X12.329 Railroad Reciprocal Switch File			
		435	X12.330 Standard Transportation Commodity Code Master			
		440	X12.152 Shipment Weights			
		451	X12.337 Railroad Event Report			
		452	X12.338 Railroad Problem Log Inquiry or Advice			
		453	X12.331 Railroad Service Commitment Advice			
		455 456	X12.332 Railroad Parameter Trace Registration			
		460	X12.333 Railroad Equipment Inquiry or Advice Rate Format Docket Data			
		461	Rate Format Level Data			
		462	Rate Format Sub-Level Data			
		463	Rate Set Docket Index			
		464	Rate Set Docket Index Rate Set Docket Data			
		465	Rate Set Sub-Level Data			
		466	X12.159 Rate Request			
		467	Scale Rate Docket Transmittal			
		468	X12.161 Rate Docket Journal Log			
		469	Rate Distribution Set			
		475	X12.334 Rail Route File Maintenance			
		480	Docket/Cluster Terminator			
		485	X12.164 Ratemaking Action			
		486	X12.165 Rate Docket Expiration			
		490	X12.166 Rate Group Definition			
		491	Rate Increase/Decrease Transmittal			
		492	X12.168 Miscellaneous Rates			
		494	X12.169 Scale Rate Table			
		499	Application Acceptance Rejection Advice			
		501	X12.341 Vendor Performance Review			
		503	X12.352 Pricing History			
		504	X12.353 Clauses and Provisions			
		511	X12.225 Requisition			
		517	X12.230 Material Obligation Validation			
		527	X12.231 Material Due-In and Receipt			
		536	X12.243 Logistics Reassignment			
		561 567	X12.212 Contract Abstract			
		567 568	X12.218 Contract Completion Status X12.219 Contract Payment Management Report			
		601	X12.273 Shipper's Export Declaration			
		602	X12.126 Transportation Services Tender			
		622	X12.173 Intermodal Ramp Activity			
		805	X12.195 Contract Pricing Proposal			
		806	X12.196 Project Schedule Reporting			
		810	X12.2 Invoice			
		811	X12.39 Consolidated Service Invoice/Statement			
		812	X12.40 Credit/Debit Adjustment			
		813	X12.62 Electronic Filing of Tax Return Data			
		815	X12.42 Cryptographic Service Message			
		816	X12.66 Organization Relationship			
		818	X12.256 Commission Sales Report			
		819	X12.43 Operating Expense Statement			
		820	X12.4 Payment Order/Remittance Advice			
		821	X12.24 Financial Information Reporting			

Ref _	Id_		Element Name	Req	Type	Min/Max
		822	X12.25 Customer Account Analysis			
		823	X12.38 Lockbox			
		824	X12.44 Application Advice			
		826	X12.19 Tax Information Reporting			
		827	X12.47 Financial Return Notice			
		828	X12.45 Debit Authorization			
		829	X12.48 Payment Cancellation Request			
		830	X12.14 Planning Schedule with Release Capability			
		831	X12.49 Application Control Totals			
		832	X12.13 Price/Sales Catalog			
		833	X12.69 Mortgage Credit Report Order			
		834	X12.84 Benefit Enrollment and Maintenance			
		835	X12.85 Health Care Claim Payment/Advice			
		836 837	X12.54 Procurement Notices X12.86 Health Care Claim			
		838	X12.17 Trading Partner Profile			
		839	X12.17 Trading 1 articl 1 forme X12.31 Project Cost Reporting			
		840	X12.7 Request for Quotation			
		841	X12.51 Specifications/Technical Information			
		842	X12.21 Nonconformance Report Transaction Set			
		843	X12.8 Response to Request for Quotation			
		844	X12.26 Product Transfer Account Adjustment			
		845	X12.27 Price Authorization Acknowledgment/Status			
		846	X12.28 Inventory Inquiry/Advice			
		847	X12.63 Material Claim			
		848	X12.36 Material Safety Data Sheet			
		849	X12.50 Response to Product Transfer Account Adjustment			
		850	X12.1 Purchase Order			
		851	X12.51 Asset Schedule			
		852	X12.52 Product Activity Data			
		853	X12.64 Routing and Carrier Instruction			
		854	X12.68 Shipment Delivery Discrepancy Information			
		855 856	X12.9 Purchase Order Acknowledgment			
		857	X12.10 Ship Notice/Manifest X12.29 Shipment and Billing Notice			
		858	X12.18 Shipment Information			
		859	X12.55 Freight Invoice			
		860	X12.15 Purchase Order Change Request - Buyer Initiated			
		861	X12.12 Receiving Advice			
		862	X12.37 Shipping Schedule			
		863	X12.41 Report of Test Results			
		864	X12.34 Text Message			
		865	X12.16 Purchase Order Change Acknowledgment/Request -			
			Seller Initiated			
		866	X12.57 Production Sequence			
		867	X12.33 Product Transfer and Resale Report			
		868	X12.30 Electronic Form Structure			
		869	X12.11 Order Status Inquiry			
		870	X12.23 Order Status Report			
		872 875	X12.53 Residential Mortgage Insurance Application			
		875 876	X12.298 Grocery Products Purchase Order X12.299 Grocery Products Purchase Order Change			
		878	X12.182 Product Authorization/De-Authorization			
		879	X12.162 Product Authorization/De-Authorization/			
		880	X12.287 Grocery Products Invoice			
		882	X12.125 Direct Store Delivery Summary Information			
		883	X12.309 Market Development Fund Allocation			
		884	X12.310 Market Development Fund Settlement			
		885	X12.320 Store Characteristics			

Ref	<u>Id</u>	Element Name	<u>Req</u>	Type	Min/Max
		886 X12.319 Customer Call Reporting			
		888 X12.269 - Item Maintenance (UCS)			
		889 X12.183 Promotion Announcement			
		891 X12.184 Deduction Research Report			
		893 X12.197 Item Information Request			
		894 X12.186 Delivery/Return Base Record			
		895 X12.187 Delivery/Return Acknowledgement and	or Adjustment		
		896 X12.188 Product Dimension Maintenance			
		920 X12.174 Loss or Damage Claim - General Comm	nodities		
		924 X12.175 Loss or Damage Claim - Motor Vehicle			
		925 X12.176 Claim Tracer			
		926 X12.177 Claim Status Report and Tracer Reply			
		928 X12.178 Automotive Inspection Detail			
		940 X12.189 Warehouse Shipping Order			
		943 X12.191 Warehouse Stock Transfer Shipment Ad	lvice		
		944 X12.192 Warehouse Stock Transfer Receipt Advi	ice		
		945 X12.193 Warehouse Shipping Advice			
		946 Delivery Information Message			
		947 X12.194 Warehouse Inventory Adjustment Advice	ce		
		980 X12.179 Functional Group Totals			
		990 X12.180 Response To a Load Tender			
		994 Administrative Message			
		996 X12.32 File Transfer			
		997 X12.20 Functional Acknowledgment			
		998 X12.181 Set Cancellation			
		999 Acceptance/Rejection Advice			
ST02	329	Transaction Set Control Number	M	AN	4/9

Semantics:

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).

AK1 Functional Group Response Header

Pos: 020 Max: 1 Heading - Mandatory Loop: N/A Elements: 2

To start acknowledgment of a functional group.

Ref	<u>Id</u>		Element Name	Req	Type	Min/Max
AK101	479	Function	nal Identifier Code	M	ID	2/2
111111	•		Name			_,_
		AA	Customer Account Analysis (822)			
		AG	Application Advice (824)			
		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)			
		AR	Warehouse Stock Transfer Shipment Advice (943)			
		AW	Warehouse Inventory Adjustment Advice (947)			
		BE	Benefit Enrollment and Maintenance (834)			
		BS	Shipment and Billing Notice (857)			
		CA	Purchase Order Change Acknowledgment/Request - Seller			
			Initiated (865)			
		CC	Clauses and Provisions (504)			
		CD	Credit/Debit Adjustment (812)			
		CF	Corporate Financial Adjustment Information (844 and 849)			
		CG	Administrative Message (994)			
		CH	Car Handling Information (420)			
		CI	Consolidated Service Invoice/Statement (811)			
		CO	Cooperative Advertising Agreement (290)			
		CP	Electronic Proposal Information (251, 805)			
		CR	Rail Carhire Settlements (414)			
		CS	Cryptographic Service Message (815)			
		CT	Application Control Totals (831)			
		D3	Contract Completion Status (567)			
		D4	Contract Abstract (561)			
		D5	Contract Payment Management Report (568)			
		DA	Debit Authoriztion (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)			
		ED	Student Educational Record (Transcript) (130)			
		EI	Railroad Equipment Inquiry or Advice (456)			
		ER	Revenue Receipts Statement (170)			
		EV	Railroad Event Report (451)			
		FA	Functional Acknowledgment (997)			
		FB	Freight Invoice (859)			
		FC FG	Court Notice (175) Motor Corrier Leading and Pouts Guida (217)			
		FG FH	Motor Carrier Loading and Route Guide (217) Motor Carrier Tariff Information (218)			
		FR	Financial Reporting (821, 827)			
		FT				
		LI	File Transfer (996)			

Ref _	Id_		Element Name	Req	Type	Min/Max
		GB	Average Agreement Demurrage (423)			
		GC	Damage Claim Transaction Sets (920, 924, 925, 926)			
		GF	Response to a Load Tender (990)			
		GP	Grocery Products Invoice (880)			
		GR	Statistical Government Information (152)			
		HB	Health Care Eligibility/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	Health Care Eligibility/Benefit Inquiry (270)			
		IA IB	Air Freight Details and Invoice (110)			
		IС	Inventory Inquiry/Advice (846) Rail Advance Interchange Consist (418)			
		IG	Invoice Group - Grocery (880, 882)			
		II	Rail Freight Details and Invoice Summary (411)			
		IJ	Report of Injury or Illness (148)			
		IM	Motor Carrier Freight Details and Invoice (210)			
		IN	Invoice Information (810,819)			
		IO	Ocean Shipment Billing Details (310, 312)			
		IP	Intermodal Ramp Activity (622)			
		IR	Rail Carrier Freight Details and Invoice (410)			
		IS	Estimated Time of Arrival and Car Scheduling (421)			
		LA	Federal Communications Commission (FCC) License Application (195)			
		LA	Federal Communications Commission (FCC) License Application (195)			
		LB	Lockbox (823)			
		LN	Property and Casualty Loss Notification (272)			
		LR	Logistics Reassignment (536)			
		LS	Asset Schedule (851)			
		LT	Student Loan Transfer and Status Verification (144)			
		MB	Mortgage Credit Report (200)			
		MD	Department of Defense Inventory Management (527)			
		ME	Mortgage Origination (262)			
		MF MG	Market Development Funds Settlement (884) Mortgage Servicing Transaction Sets (260,264,266)			
		MH	Secondary Mortgage Market Investor Report (203)			
		MI	Motor Carrier Shipment Status Inquiry (213)			
		ML	Mortgage Credit Report Order (201,833)			
		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)			
		NC	Nonconformance Report (842)			
		OC	Cargo Insurance Advice of Shipment (362)			
		OG OR	Order Group - Grocery (875, 876)			
		OW	Organizational Relationship (816) 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)			
		PH	Pricing History (503)			
		PJ	Project Schedule Reporting (806)			
		PK	Project Cost Reporting (839) and Contractor Cost Data Reporting			

Ref	<u>Id</u>		Element Name	Req	Type	Min/Max
		DI	(196)			
		PL	Railroad Problem Log Inquiry or Advice (452)			
		PM	Residential Mortgage Insurance Application (872)			
		PO PR	Purchase Order (850)			
		PS	Purchase Order Acknowledgement (855) Planning Schedule with Release Capability (830)			
		PT	Product Transfer and Resale Report (867)			
		PV	Purchase Order Shipment Management Document (250)			
		PY	Payment Cancellation Request (829)			
		PZ	Residential Mortgage Insurance Application Response (263)			
		QG	Product Information (878, 879, 888, 889, 893, 896)			
		QM	Transporation Carrier Shipment Status Message (214)			
		QΟ	Ocean Shipment Status Information (313, 315)			
		RA	Payment Order/Remittance Advice (820)			
		RC	Receiving Advice/Acceptance Certificate (861)			
		RD	Royalty Regulatory Reports (185)			
		RE	Warehouse Stock Receipt Advice (944)			
		RF	Rail Route File Maintenance (475)			
		RG	Railroad Reciprocal Switch File (433)			
		RI	Routing and Carrier Instruction (853)			
		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 RX	Railroad Retirement Activity (429)			
		RY	Rail Deprescription (432) 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 Preclaims (191)			
		SE	Shipper's Export Declaration (601)			
		SF	Standard Transportation Commodity Code Master (435)			
		SG	SG Receiving Advice - Grocery (885)			
		SH SI	Ship Notice/Manifest (856) Shipment Information (858)			
		SL	Student Loan Application and Guarantee (135, 139)			
		SM	Motor Carrier Shipment Information (204)			
		SO	Ocean Shipment Information (304, 306, 309, 311, 317, 319, 321,			
		50	322, 323, 324, 325, 350, 352, 353, 354, 355, 356, 357, 358,			
			361)			
		SP	Specifications/Technical Information (841)			
		SQ	Production Sequence (866)			
		SR	Rail Carrier Shipment Information (404, 419, 426)			
		SS	Shipping Schedule (862) Reilroad Service Commitment Advice (453)			
		ST SV	Railroad Service Commitment Advice (453) Student Enrollment Varification (190)			
		S V S W	Student Enrollment Verification (190) Warehouse Shipping Advice (945)			
		TA	Warehouse Shipping Advice (945) 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)			
			` '			

Ref	<u>Id</u> _		Element Name	Req	Type	Min/Max
		TI	Tax Information Reporting (826)			
		TN	Tax Rate Notification (150)			
		TO	Real Estate Title Insurance Services Order (265)			
		TP	Rail Rate Transactions (460, 461, 462, 463, 464, 465, 466, 467,			
			468, 480, 485, 486, 490, 491, 492, 494)			
		TR	Train Sheet (161)			
		TS	Transportation Services Tender (602)			
		TX	Text Message (864)			
		UA	Store Characteristics (885)			
		UB	Customer Call Reporting (886)			
		UC	Uniform Commercial Code Filing (154)			
		UD	Deduction Research Report (891)			
		UW	Laboratory Reporting (186)			
		VA	Vehicle Application Advice (126)			
		VB	Vehicle Baying Order (127)			
		VC	Vehicle Shipping Order (120)			
		VH	Vehicle Carrier Rate Update (129)			
		VS	Vehicle Service (121)			
		WA	Product Service Transaction Sets (140, 141, 142, 143)			
		WB	Rail Carrier Waybill Interchange (417)			
		WG	Vendor Performance Review (501)			
		WR	Shipment Weights (440)			
		WT	Rail Waybill Request (425)			
AK102	28	Group (Control Number	M	N0	1/9

Semantics:

- 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.

AK2

Transaction Set Response Header

Pos: 030 Max: 1 Heading - Optional Loop: AK2 Elements: 2

To start acknowledgment of a single transaction set.

Ref	<u>Id</u>		Element Name	Req	Type	Min/Max
AK201	143	Transac	tion Set Identifier Code	M	ID	3/3
			Name _			-,-
		104	X12.100 Air Shipment Information			
		110	X12.101 Air Freight Details and Invoice			
		120	X12.70 Vehicle Shipping Order			
		121	X12.71 Vehicle Service			
		125	X12.75 Multilevel Railcar Load Details			
		126	X12.76 Vehicle Application Advice			
		127	X12.77 Vehicle Baying Order			
		128	X12.78 Dealer Information			
		129	X12.79 Vehicle Carrier Rate Update			
		130	X12.89 Student Educational Record (Transcript)			
		131	X12.90 Student Educational Record (Transcript)			
			Acknowledgment			
		135	X12.198 Student Loan Application			
		139	X12.265 Student Loan Guarantee Result			
		140	X12.200 Product Registration			
		141	X12.201 Product Service Claim Response			
		142	X12.202 Product Service Claim			
		143	X12.203 Product Service Notification			
		144	X12.94 Student Loan Transfer and Status Verification (144)			
		146	X12.121 Request for Student Educational Record (Transcript)			
		147	X12.123 Response to Request for Student Educational Record			
			(Transcript)			
		148	X12.124 Report of Injury or Illness			
		150	X12.204 Tax Rate Notification			
		151	X12.205 Electronic Filing of Tax Return Data Acknowledgment			
		152	X12.206 Statistical Government Information			
		154	X12.99 Uniform Commercial Code Filing			
		161	X12.72 Train Sheet			
		170	X12.210 Revenue Receipts Statement			
		175	X12.305 Court Notice			
		176	X12.306 Court Submission			
		180	X12.255 Return Merchandise Authorization and Notification			
		185 186	X12.266 Royalty Regulatory Reporting			
		190	X12.284 Laboratory Reporting X12.264 Student Enrollment Verification			
		190	X12.276 Student Loan Preclaims			
		191	X12.276 Student Loan Flectaints X12.267 Federal Communications Commission (FCC) License			
		173	Application			
		196	X12.280 Contractor Cost Data Reporting			
		200	X12.304 Mortgage Credit Report			
		201	X12.326 Residential Loan Application			
		203	X12.340 Secondary Mortgage Market Investor Report			
		204	X12.103 Motor Carrier Shipment Information			
		210	X12.104 Motor Carrier Freight Details and Invoice			
		213	X12.105 Motor Carrier Shipment Status Inquiry			

Ref _	Id_		Element Name	Req	Type	Min/Max
		214	X12.106 Transportation Carrier Shipment Status Message			
		217	X12.107 Motor Carrier Loading and Route Guide			
		218	X12.108 Motor Carrier Tariff Information			
		242	X12.274 Data Status Tracking			
		250	X12.98 Purchase Order Shipment Management Document			
		251	X12.288 Pricing Support			
		260	X12.275 Application for Mortgage Insurance Benefits			
		262	X12.278 Residential Appraisal Report (262)			
		263	X12.279 Residential Mortgage Insurance Application Response			
		264	X12.285 Mortgage Loan Default Status			
		265	X12.286 Real Estate Title Insurance Services Order			
		266	X12.295 Mortgage Record Change			
		270	X12.281 Health Care Eligibility/Benefit Inquiry			
		271	X12.282 Health Care Eligibility/Benefit Information			
		272	X12.283 Property and Casualty Loss Notification			
		276	X12.316 Health Care Claim Status Request			
		277 278	X12.317 Health Care Claim Status Notification X12.336 Health Care Services Review Information			
		290	X12.293 Cooperative Advertising Agreement			
		300	X12.109 Reservation (Booking Request) (Ocean)			
		301	X12.109 Confirmation (Ocean)			
		303	X12.110 Booking Cancellation (Ocean)			
		304	X12.113 Shipping Instructions			
		306	Dock Receipt			
		309	X12.117 U.S. Customs Manifest			
		310	X12.118 Freight Receipt and Invoice (Ocean)			
		311	X12.182-Canadian Customs Information (Ocean)			
		312	X12.119 Arrival Notice (Ocean)			
		313	X12.120 Shipment Status Inquiry (Ocean)			
		315	X12.122 Status Details (Ocean)			
		317	X12.271 Delivery/Pickup Order			
		319	X12.292 Terminal Information			
		321	Demurrage Guarantee (Ocean)			
		322	X12.127 Terminal Operations and Intermodal Ramp Activity			
		323	X12.128 Vessel Schedule and Intinerary (Ocean)			
		324 325	X12.129 Vessel Stow Plan (Ocean) X12.208 Consolidation of Goods in Container			
		325	X12.203 Consolidation of Goods in Container X12.97 Consignment Summary List			
		350	X12.130 U.S. Customs Release Information			
		352	X12.131 U.S. Customs Carrier General Order Status			
		353	X12.132 U.S. Customs Events Advisory Details			
		354	X12.133 U.S. Customs Automated Manifest Archive Status			
		355	X12.134 U.S. Customs Manifest Acceptance/Rejection			
		356	X12.211 U.S. Customs Permit to Transfer Request			
		357	X12.307 U.S. Customs In-Bond Information			
		358	X12.308 U.S. Customs Consist Information			
		361	X12.136 Carrier Interchange Agreement (Ocean)			
		362	X12.312 Cargo Insurance Advice of Shipment			
		404	X12.138 Rail Carrier Shipment Information			
		410	X12.139 Rail Carrier Freight Details and Invoice			
		411	Freight Details and Invoice Summary (Rail)			
		414	X12.83 Car Hire Settlements Y12.141 Pail Carrier Waybill Interchange			
		417 418	X12.141 Rail Carrier Waybill Interchange			
		418	X12.142 Rail Advance Interchange Consist X12.143 Advance Car Disposition			
		420	X12.145 Advance Car Disposition X12.144 Car Handling Information			
		421	X12.261 Estimated Time of Arrival and Car Scheduling			
		422	X12.262 Shipper's Car Order			
		423	X12.327 Rail Industrial Switch List			

Ref	<u>Id</u>		Element Name	Req	Type Min/Max
		424	Switch Bills		
		425	X12.149 Rail Waybill Request		
		426	X12.150 Rail Revenue Waybill		
		427	Waybill Response		
		429	X12.35 Railroad Retirement Activity		
		431	X12.65 Railroad Station Master File Transaction Set		
		432	X12.328 Rail Deprescription		
		433	X12.329 Railroad Reciprocal Switch File		
		435	X12.330 Standard Transportation Commodity Code Master		
		440	X12.152 Shipment Weights		
		451	X12.337 Railroad Event Report		
		452	X12.338 Railroad Problem Log Inquiry or Advice		
		453	X12.331 Railroad Service Commitment Advice		
		455 456	X12.332 Railroad Fauirment Inquiry or Advice		
		460	X12.333 Railroad Equipment Inquiry or Advice Rate Format Docket Data		
		461	Rate Format Level Data		
		462	Rate Format Sub-Level Data		
		463	Rate Set Docket Index		
		464	Rate Set Docket Data		
		465	Rate Set Sub-Level Data		
		466	X12.159 Rate Request		
		467	Scale Rate Docket Transmittal		
		468	X12.161 Rate Docket Journal Log		
		469	Rate Distribution Set		
		475	X12.334 Rail Route File Maintenance		
		480	Docket/Cluster Terminator		
		485	X12.164 Ratemaking Action		
		486	X12.165 Rate Docket Expiration		
		490	X12.166 Rate Group Definition		
		491	Rate Increase/Decrease Transmittal		
		492	X12.168 Miscellaneous Rates		
		494	X12.169 Scale Rate Table		
		499	Application Acceptance Rejection Advice		
		501	X12.341 Vendor Performance Review		
		503	X12.352 Pricing History		
		504	X12.353 Clauses and Provisions		
		511	X12.225 Requisition		
		517	X12.230 Material Obligation Validation		
		527	X12.231 Material Due-In and Receipt		
		536			
		561	X12.212 Contract Abstract		
		567 568	X12.218 Contract Completion Status X12.219 Contract Payment Management Report		
		601	X12.273 Shipper's Export Declaration		
		602	X12.126 Transportation Services Tender		
		622	X12.173 Intermodal Ramp Activity		
		805	X12.195 Contract Pricing Proposal		
		806	X12.196 Project Schedule Reporting		
		810	X12.2 Invoice		
		811	X12.39 Consolidated Service Invoice/Statement		
		812	X12.40 Credit/Debit Adjustment		
		813	X12.62 Electronic Filing of Tax Return Data		
		815	X12.42 Cryptographic Service Message		
		816	X12.66 Organization Relationship		
		818	X12.256 Commission Sales Report		
		819	X12.43 Operating Expense Statement		
		820	X12.4 Payment Order/Remittance Advice		
		821	X12.24 Financial Information Reporting		

Ref _	Id _		Element Name	Req	Type	Min/Max
		822	X12.25 Customer Account Analysis			
		823	X12.38 Lockbox			
		824	X12.44 Application Advice			
		826	X12.19 Tax Information Reporting			
		827	X12.47 Financial Return Notice			
		828	X12.45 Debit Authorization			
		829	X12.48 Payment Cancellation Request			
		830	X12.14 Planning Schedule with Release Capability			
		831	X12.49 Application Control Totals			
		832	X12.13 Price/Sales Catalog			
		833	X12.69 Mortgage Credit Report Order			
		834	X12.84 Benefit Enrollment and Maintenance			
		835	X12.85 Health Care Claim Payment/Advice			
		836	X12.54 Procurement Notices			
		837 838	X12.86 Health Care Claim X12.17 Trading Portner Profile			
		839	X12.17 Trading Partner Profile X12.31 Project Cost Reporting			
		840	X12.7 Request for Quotation			
		841	X12.51 Specifications/Technical Information			
		842	X12.21 Nonconformance Report Transaction Set			
		843	X12.8 Response to Request for Quotation			
		844	X12.26 Product Transfer Account Adjustment			
		845	X12.27 Price Authorization Acknowledgment/Status			
		846	X12.28 Inventory Inquiry/Advice			
		847	X12.63 Material Claim			
		848	X12.36 Material Safety Data Sheet			
		849	X12.50 Response to Product Transfer Account Adjustment			
		850	X12.1 Purchase Order			
		851	X12.51 Asset Schedule			
		852	X12.52 Product Activity Data			
		853	X12.64 Routing and Carrier Instruction			
		854	X12.68 Shipment Delivery Discrepancy Information			
		855	X12.9 Purchase Order Acknowledgment			
		856	X12.10 Ship Notice/Manifest			
		857	X12.29 Shipment and Billing Notice			
		858	X12.18 Shipment Information			
		859	X12.55 Freight Invoice			
		860	X12.15 Purchase Order Change Request - Buyer Initiated			
		861 862	X12.12 Receiving Advice X12.37 Shipping Schedule			
		863				
		864	X12.41 Report of Test Results X12.34 Text Message			
		865	X12.16 Purchase Order Change Acknowledgment/Request -			
		005	Seller Initiated			
		866	X12.57 Production Sequence			
		867	X12.33 Product Transfer and Resale Report			
		868	X12.30 Electronic Form Structure			
		869	X12.11 Order Status Inquiry			
		870	X12.23 Order Status Report			
		872	X12.53 Residential Mortgage Insurance Application			
		875	X12.298 Grocery Products Purchase Order			
		876	X12.299 Grocery Products Purchase Order Change			
		878	X12.182 Product Authorization/De-Authorization			
		879	X12.60 Price Change			
		880	X12.287 Grocery Products Invoice			
		882	X12.125 Direct Store Delivery Summary Information			
		883	X12.309 Market Development Fund Allocation			
		884 885	X12.310 Market Development Fund Settlement X12.320 Store Characteristics			
		000	A12.320 Store Characteristics			

Ref	<u>Id</u>		Element Name	Req	Type	Min/Max
		886	X12.319 Customer Call Reporting			
		888	X12.269 - Item Maintenance (UCS)			
		889	X12.183 Promotion Announcement			
		891	X12.184 Deduction Research Report			
		893	X12.197 Item Information Request			
		894	X12.186 Delivery/Return Base Record			
		895	X12.187 Delivery/Return Acknowledgement and/or Adjustment			
		896	X12.188 Product Dimension Maintenance			
		920	X12.174 Loss or Damage Claim - General Commodities			
		924	X12.175 Loss or Damage Claim - Motor Vehicle			
		925	X12.176 Claim Tracer			
		926	X12.177 Claim Status Report and Tracer Reply			
		928	X12.178 Automotive Inspection Detail			
		940	X12.189 Warehouse Shipping Order			
		943	X12.191 Warehouse Stock Transfer Shipment Advice			
		944	X12.192 Warehouse Stock Transfer Receipt Advice			
		945	X12.193 Warehouse Shipping Advice			
		946	Delivery Information Message			
		947	X12.194 Warehouse Inventory Adjustment Advice			
		980	X12.179 Functional Group Totals			
		990	X12.180 Response To a Load Tender			
		994	Administrative Message			
		996	X12.32 File Transfer			
		997	X12.20 Functional Acknowledgment			
		998	X12.181 Set Cancellation			
		999	Acceptance/Rejection Advice			
AK202	329	Transac	ction Set Control Number	M	AN	4/9

Semantics:

- 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.

AK3 Data Segment Note

Pos: 040 Max: 1 Heading - Optional Loop: AK3 Elements: 4

To report errors in a data segment and to identify the location of the data segment.

Ref _	<u>Id</u>	Element Name	Req	Type	Min/Max
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	1/4
AK304	720	Segment Syntax Error Code Code Name	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			

AK4 Data Element Note

Pos: 050 Max: 99 Heading - Optional Loop: AK3 Elements: 4

To report errors in a data element and to identify the location of the data element.

Ref _	<u>Id</u> _	Element Name	Req	Type	Min/Max
AK401	C030	Position in Segment	M	Comp	
	722	Element Position in Segment	M	N0	1/2
	1528	Component Data Element Position in Composite	0	N0	1/2
AK402	725	Data Element Reference Number	o	N0	1/4
AK403	723	Data Element Syntax Error Code	M	ID	1/3
		Code Name			
		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

AK5 Transaction Set Response Trailer

Pos: 060 Max: 1 Heading - Mandatory Loop: AK2 Elements: 6

To acknowledge acceptance or rejection and to report errors in a transaction set.

Ref	<u>Id</u>	Element Name	Req	Type	Min/Max
AK501	717	Transaction Set Acknowledgment Code	\mathbf{M}	ID	1/1
		Code Name			
		A Accepted			
		E Accepted But Errors Were Noted			
		M Rejected, Message Authentication Code (MAC) Failed			
		R Rejected			
		X Rejected, Content After Decryption Could Not Be Analyzed			
AK502	718	Transaction Set Syntax Error Code	O	ID	1/3
		Code Name			
		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			
		Transaction Set Control Number Not Unique within the			
		Functional Group			
AK503	718	Transaction Set Syntax Error Code	O	ID	1/3
		Code Name			
		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			

Ref	<u>Id</u>	Element Name	Req	Type	Min/Max
		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 Transaction Set Control Number Not Unique within the			
		23 Transaction Set Control Number Not Unique within the Functional Group			
AK504	718	Transaction Set Syntax Error Code	O	ID	1/3
		Code Name			
		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			
		 Missing or Invalid Transaction Set Control Number Authentication Key Name Unknown 			
		9 Encryption Key Name Unknown			
		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			
		Transaction Set Control Number Not Unique within the			
		Functional Group			
AK505	718	Transaction Set Syntax Error Code	0	ID	1/3
	0	Code Name	Ŭ		
		1 Transaction Set Not Supported			
		2 Transaction Set Trailer Missing			
		3 Transaction Set Control Number in Header and Trailer Do Not			
		Match			

Ref	Id		Element Name	Req	Type	Min/Max
		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			
		23	Functional Group			
			- unoutoning Group			
AK506	718	Transac	tion Set Syntax Error Code	O	ID	1/3
		Code	Name			
		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			
		22	Segment			
		22	S2S Security Start Segment Missing for S2E Security End			
		23	Segment Transaction Set Control Number Not Unique within the			
		23	Functional Group			
			- uncuonat Oroup			

AK9 Functional Group Response Trailer

Pos: 070 Max: 1 Heading - Mandatory Loop: N/A Elements: 9

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.

Ref _	<u>Id</u> _	Element Name	Req	Type	Min/Max
AK901	715	Functional Group Acknowledge Code	\mathbf{M}	ID	1/1
		Code Name			
		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			
		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	0	ID	1/3
1111700	710	Code Name	Ü		1/0
		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 Segment Wissing for 525 security Start			
		22 S2S Security Start Segment Missing for S2E Security End			
		Segment			
AK906	716	Functional Group Syntax Error Code	O	ID	1/3

Content Name	Ref _	<u>Id</u>	Element Name	Req	Type	Min/Max
2 Functional Group Trailor Missing 3 Functional Group Trailor 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 Recipient 14 Unknown Security Recipient 15 Syntax Error in Decrypted Text 16 Security Not Supported 17 Incorrect Message Length (Encryption Only) 18 Message Authentication Code Falled 19 SHE Security Start Segment Missing for SHE Security Start Segment 20 SHS Security Start Segment Missing for SHE End Segment 21 SEE Security Start Segment Missing for SEE Security End Segment 22 SEX Security Start Segment Missing for SEE Security End Segment 23 Functional Group Not Supported 24 Functional Group Version Nos Supported 25 Functional Group Version Nos Supported 26 Functional Group Not Supported 27 Functional Group Not Supported 28 Functional Group Not Supported 29 Functional Group Not Supported 20 Functional Group Not Supported 20 Functional Group Not Supported 21 Security Find Segment Missing for SEE Security End Segment 22 SEX Security Start Segment Missing for SEE Security End Segment 23 Security Start Segment Missing for SEE Security End Segment 24 Group Control Number in the Functional Group Header and Trailer Do Not Agress 3 Number of Included Transaction Sets Does Not Match Actual Count 4 Unknown Security Recipient 4 Unknown Security Recipient 4 Unknown Security Originator 5 Syntax Error in Decrypted Text 5 Security Start Segment Missing for SEE Security Start Segment 20 SEE Security Start Segment Missing for SEE Security Start Segment 21 SEE Security Start Segment Missing for SEE Security Start Segment 22 SEE Security Start Segment Missing for SEE Security End Segment 3 Functional Group Version Not Supported 4 Functional Group Version Not Supported			Code Name			
### Sumetional Group Trailer Missing Group Control Number in the Functional Group Header and Trailer Do Not Agree Number of Included Transaction Sets Does Not Match Actual Count			Functional Group Not Supported			
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 Deerypied Text 16 Security Not Supported 17 Incorrect Message Length (Encryption Only) 18 Message Authentication Code Failed 19 SIE Security Start Segment Missing for SIE Security Start Segment 20 SIS Security Start Segment Missing for SIE Security Start Segment 21 SZE Security End Segment Missing for SZE Security End Segment 22 SZS Security Start Segment Missing for SZE Security End Segment 23 STE Security Start Segment Missing for SZE Security End Segment 24 SZE Security Start Segment Missing for SZE Security End Segment 25 SZE Security Start Segment Missing for SZE Security End Segment 26 Sume 1 Functional Group Syntax Error Code 2 Functional Group Person Not Supported 2 Functional Croup Version Not Supported 3 Functional Group Version Stort Supported 4 Group Control Number in the Functional Group Header and 1 Trailer Do Not Agree 1 Number of included Transaction Sets Does Not Match Actual Count 1 Encryption Key, Name Unknown 1 Incryption Key, Name Unknown 1 Unknown Security Recipient 1 Unknown Security Recipient 1 Unknown Security Recipient 1 Unknown Security Recipient 1 Systax Error in Deerypted Text Segment 2 SZ SE Security Start Segment Missing for SIE Security Start Segment 2 SZ SE Security Start Segment Missing for SZE Security Start Segment 2 SZ SE Security Start Segment Missing for SZE Security Start Segment 2 SZ SE Security Start Segment Missing for SZE Security Start Segment 2 SZ SZ Security Start Segment Missing for SZE Security End Segment 2 Functional Group Person Not Supported			2 Functional Group Version Not Supported			
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 (S.) Name Unknown 12 Requested Service (Authentication or Encryption) Not Available 13 Unknown Security Recipient 14 Unknown Security Recipient 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 S2E Security Start Segment 21 S2E Security Start Segment Missing for S2E Security End Segment 22 S2S Security Start Segment Missing for S2E Security End Segment 23 Functional Group Not Supported 24 Functional Group Version Not Supported 25 Functional Group Version Not Supported 26 Functional Group Version Not Supported 27 Functional Group Version Not Supported 28 Functional Group Version Not Supported 29 Functional Group Version Not Supported 20 Functional Group Version Not Supported 30 Functional Group Version Not Supported 40 Group Control Number in the Functional Group Header and 41 Trailer Do Not Agree 42 Functional Group Version Not Supported 43 Functional Group Version Not Supported 44 Group Control Number in the Functional Group Header and 45 Trailer Do Not Agree 46 Group Control Number in the Functional Group Header and 47 Trailer Do Not Agree 48 Authentication Key Name Unknown 49 Authentication Key Name Unknown 40 Authentication Key Name Unknown 40 Authentication Key Name Unknown 41 Encryption Key Name Unknown 41 Encryption Key Name Unknown 42 Requested Service (Authentication or Encryption) Not Available 43 Unknown Security Recipient 44 Unknown Security Recipient 55 Syntax Error in Decrypted Text 56 Security Not Supported 57 Security Start Segment Missing for S1S Security Start 56 Segment 58 Security Start Segment Missing for S2E Security End 59 Segment 59 Silventing Start Segment Missing for S2E Security End 50 Segment 50 Silventing Sta			3 Functional Group Trailer Missing			
Society Soci						
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 Stapported 17 Incorrect Message Length (Encryption Only) 18 Message Authentication Code Failed 19 SIE Security End Segment Missing for SIS Security Start Segment 20 SIS Security Start Segment Missing for SIS Security Start Segment 21 SIZ Security Start Segment Missing for SIS Security End Segment Segment 22 SIZ Security Start Segment Missing for SIZ Security End Segment 23 SIZ Security Start Segment Missing for SIZ Security End Segment 24 SIZ Security Start Segment Missing for SIZ Security End Segment 25 SIZ Security Start Segment Missing for SIZ Security End Segment 26 SIZ Security Start Segment Missing for SIZ Security End Segment 27 Functional Group Syntax Error Code 28 Functional Group Postson Not Supported 29 Functional Group Version Not Supported 20 Functional Group Version Not Supported 30 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 Originator 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 SIE Security End Segment Missing for SIE End Segment 20 SIS Security Start Segment Missing for SIE Security Start Segment 21 SIE Security Start Segment Missing for SIE Security End Segment 22 SIZ Security Start Segment Missing for SIE Security End Segment 23 SIZ Security Start Segment Missing for SIE End Segment 24 SIZ Security Start Segment Missing for SIE Security End Segment 25 SIZ Security			<u>e</u>			
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2 Functional Group Version Not Supported						
3 Functional Group Trailer Missing						
			5 Functional Group Trailer Missing			

Ref_	<u>Id</u>		Element Name	Req	Type	Min/Max
		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			
AK909	716		nal Group Syntax Error Code	О	ID	1/3
		<u>Code</u> 1	Name 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			
		4	Trailer Do Not Agree			
		5	Number of Included Transaction Sets Does Not Match Actual			
		3	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			
		17	Segment Segment Wissing for 515 Security Start			
		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 Segmen			

Comments:

 $1. \quad If \ AK901 \ is \ 'A' \ or \ 'E', \ then \ the \ transmitted \ functional \ group \ is \ accepted. \ If \ AK901 \ is \ 'R', \ then \ the \ transmitted \ group \ is \ rejected.$

SE Transaction Set Trailer

Pos: 080 Max: 1 Heading - Mandatory Loop: N/A Elements: 2

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).

Element Summary:

Ref _	Id_	Element Name	Req	Type	Min/Max
SE01	96	Number of Included Segments	M	N0	1/10
SE02	329	Transaction Set Control Number	М	AN	4/9

Comments:

1. SE is the last segment of each transaction set.

GE Functional Group Trailer

Pos: Max: 1 - Mandatory Loop: N/A Elements: 2

To indicate the end of a functional group and to provide control information

Element Summary:

Ref _	Id_	Element Name	Req	Type	Min/Max
GE01	97	Number of Transaction Sets Included	M	N0	1/6
GE02	28	Group Control Number	M	N0	1/9

Semantics:

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated Functional Header GS06.

Comments:

1. The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

IEA Interchange Control Trailer

Pos: Max: 1
- Mandatory
Loop: N/A Elements: 2

To define the end of an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

Ref	<u>Id</u>	Element Name	Req	Type	Min/Max
IEA01	I16	Number of Included Functional Groups	M	N0	1/5
IEA02	I12	Interchange Control Number	M	N0	9/9

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