

TForce Freight

Functional Acknowledgment v4010 Specifications

<u>Pos. No.</u>	<u>Seg. ID.</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max User</u>	<u>Repeat</u>
010	ST	Transaction Set Header	M	1	
020	AK1	Functional Group Response Header	M	1	
LOOP ID – AK2					999999
030	AK2	Transaction Set Response Header	O	1	
LOOP ID – AK3					999999
060	AK5	Transaction Set Response Trailer	M	1	
070	AK9	Functional Group Response Trailer	M	1	
080	SE	Transaction Set Trailer	M	1	

The italic Mandatory or Optional information displayed at the right of every segment heading determines whether the information is required.

ISA - Interchange Control Header	<i>Mandatory</i>
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<u>ANSI CODE</u>	<u>ID</u>	<u>ELEMENT DESCRIPTION</u>	<u>REQ</u>	<u>TYPE</u>	<u>MIN/MAX</u>	<u>CONTENTS</u>
ISA01	I01	Authorization Info Qual.	M	ID	2/2	'00'
ISA03	I03	Security Info Qual.	M	ID	2/2	'00'
ISA05	I05	Interchange ID Qual.	M	ID	2/2	
ISA06	I06	Interchange Sender ID	M	AN	15/15	
ISA07	I05	Interchange ID Qualifier	M	ID	2/2	'02'
ISA08	I07	Interchange Receiver ID	M	AN	15/15	'UPGF'
ISA09	I08	Interchange Date	M	DT	6/6	
ISA10	I09	Interchange Time	M	TM	4/4	
ISA11	I10	Interchange Control Standards Identifier	M	ID	1/1	'U'
ISA12	I11	Interchange Control Version Number	M	ID	5/5	'00400'
ISA13	I12	Interchange Control Number	M	N0	9/9	
ISA14	I13	Acknowledgment Requested	M	ID	1/1	'0'
ISA15	I14	Test Indicator	M	ID	1/1	'P'
ISA16	I15	Component Element Separator	M		1/1	'>'

GS - Functional Group Header	<i>Mandatory</i>
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<u>ANSI CODE</u>	<u>ID</u>	<u>ELEMENT DESCRIPTION</u>	<u>REQ</u>	<u>TYPE</u>	<u>MIN/MAX</u>	<u>CONTENTS</u>
GS01	479	Functional ID Code	M	ID	2/2	'IM'
GS02	142	Application Sender's Code	M	AN	2/15	
GS03	124	Application Receiver's Code	M	AN	2/15	'UPGF'
GS04	373	Group Date	M	DT	8/8	
GS05	337	Group Time	M	TM	4/4	
GS06	28	Group Control No .	M	N0	1/9	
GS07	455	Responsible Agency Code	M	ID	1/2	'X'
GS08	480	Version/Release Indicator	M	AN	1/12	'004010'

ST - Transaction Set Header	<i>Mandatory</i>
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Purpose: *To indicate the start of a transaction set and to assign a control number*

<u>ANSI CODE</u>	<u>ID</u>	<u>ELEMENT DESCRIPTION</u>	<u>REQ</u>	<u>TYPE</u>	<u>MIN/MAX</u>	<u>CONTENTS</u>
ST01	143	Transaction Identifier Identifier	M	ID	3/3	'997'
ST02	329	Transaction Set Control Number	M	AN	4/9	

AK1 – Functional Group Response Header*Mandatory***Purpose:** *To start acknowledgment of a functional group*

<u>ANSI CODE</u>	<u>ID</u>	<u>ELEMENT DESCRIPTION</u>	<u>REQ</u>	<u>TYPE</u>	<u>MIN/MAX</u>	<u>CONTENTS</u>
AK101	479	Functional Identifier Code	M	ID	2/2	'IM' - Motor Carrier Freight Number (210) 'QM' - Transportation Carrier Shipment Status Message (214) 'BL' -Motor Carrier Bill of Lading (211)
AK102	28	Group Control Number	M	NO	1/9	Collect

AK2 – Transaction Set Response Header*Mandatory***Purpose:** *To start acknowledgment of a single transaction set*

<u>ANSI CODE</u>	<u>ID</u>	<u>ELEMENT DESCRIPTION</u>	<u>REQ</u>	<u>TYPE</u>	<u>MIN/MAX</u>	<u>CONTENTS</u>
AK201	143	Transaction Set Identifier Code	M	ID	3/3	'211' - Motor Carrier Bill of Lading '210' -Motor Carrier Freight Details and Invoice '214' - Transportation Carrier Shipment Status Message Number
AK202	329	Transaction Set Control Number	M	AN	4/9	

AK5 – Transaction Set Response Trailer*Mandatory***Purpose:** *To acknowledge acceptance or rejection and report errors in a transaction set..*

<u>ANSI CODE</u>	<u>ID</u>	<u>ELEMENT DESCRIPTION</u>	<u>REQ</u>	<u>TYPE</u>	<u>MIN/MAX</u>	<u>CONTENTS</u>
AK501	717	Transaction Set Acknowledgment Code	M	ID	1/1	A - Accepted E - Accepted But Errors Were Noted R – Rejected

AK9 - Functional Group Response Trailer*Mandatory***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 set in This functional group*

<u>ANSI CODE</u>	<u>ID</u>	<u>ELEMENT DESCRIPTION</u>	<u>REQ</u>	<u>TYPE</u>	<u>MIN/MAX</u>	<u>CONTENTS</u>
AK901	715	Functional Group Acknowledge Code	M	ID	1/1	A - Accepted E - Accepted But Errors Were Noted P – Partially Accepted, At Least One Transaction Set Was Rejected R – Rejected
AK902	97	Number of Transaction Sets Included	M	NO	1/6	
AK903	123	Number of Received Transaction Sets	M	NO	1/6	
AK904	2	Number of Accepted Transaction Sets	M	NO	1/6	

SE - Transaction Set Trailer*Mandatory***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)*

<u>ANSI CODE</u>	<u>ID</u>	<u>ELEMENT DESCRIPTION</u>	<u>REQ</u>	<u>TYPE</u>	<u>MIN/MAX</u>	<u>CONTENTS</u>
SE01	96	Number of included segments	M	N0	1/10	
SE02	329	Transaction Set Control Number	M	AN	4/9	

GE - Functional Group Trailer*Mandatory*

<u>ANSI CODE</u>	<u>ID</u>	<u>ELEMENT DESCRIPTION</u>	<u>REQ</u>	<u>TYPE</u>	<u>MIN/MAX</u>	<u>CONTENTS</u>
GE01	97	Number of Transaction Sets Included	M	N0	1/6	
GE02	28	Group Control Number	M	N0	1/9	

IEA - Interchange Control Trailer	<i>Mandatory</i>
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<u>ANSI CODE</u>	<u>ID</u>	<u>ELEMENT DESCRIPTION</u>	<u>REQ</u>	<u>TYPE</u>	<u>MIN/MAX</u>	<u>CONTENTS</u>
IEA01	I16	Number of Included Functional Groups	M	N0	1/5	
IEA02	I12	Interchange Control Number	M	N0	9/9	

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Example of EDI Motor Carrier Functional Acknowledgement (997)

ISA*00* *00* *02*00499999 *ZZ*UPGF
*000817*2119*U*00400*000000001*0*P*>
GS*FA*0049999*UPGF*20030206*0837*427*X*00401
0 ST*997*000010001
AK1*IM*42
AK2*210*0001
AK5*A
AK2*210*0002
AK5*A
AK2*210*0003
AK5*A
AK9*A*3*3*3
SE*10*000010001
GE*1*427^
IEA*1*000000001^