

**ABF Freight System, Inc.
ANSI ASC X12 Version 4010**

Shipment Information (Motor) Set 204

Initiator: Shipper, shipper's agent, or broker.

Purpose: Tender shipment to a carrier. Forward shipment details to a carrier, consignee or third party.

Definition: To provide the receiver with detailed bill of lading, rating, and scheduling information pertinent to a shipment.

Assumptions: Initial shipment tender between shipper and carrier. Replaces bill of lading at pickup for contractual purposes. Considered being an exact representation of the shipment. When acknowledged by the carrier is considered to be a binding contract. If pool shipments are to be transmitted, then a code to denote this will be required.

GS – Functional Group Header

<i>Segment</i>	<i>Element</i>	<i>Description</i>	<i>Length</i>		<i>Option / Type</i>	<i>Comments</i>
			<i>Min</i>	<i>Max</i>		
GS01	479	Functional Group ID	02	02	M / ID	'SM'
GS02	142	Appl. Sender's Code	02	15	M / AN	Mutually defined
GS03	124	Appl. Receiver's Code	02	15	M / AN	Mutually defined
GS04	029	Data Interchange Date	06	06	M / DT	YYYYMMDD
GS05	030	Data Interchange Time	04	08	M / TM	HHMM – 24hr clock
GS06	028	Data Intchg Control No.	01	09	M / NO	Batch No. Incr by 1
GS07	455	Responsible Agency Code	01	02	M / ID	T = TDCC X = X12
GS08	480	Version / Release	01	12	M / AN	'4010'

ST – Transaction Set Header

<i>Segment</i>	<i>Element</i>	<i>Description</i>	<i>Length</i>		<i>Option / Type</i>	<i>Comments</i>
			<i>Min</i>	<i>Max</i>		
ST01	143	Trans. Set ID	03	03	M / ID	'204'
ST02	329	Trans. Set Control No.	04	09	M / AN	

B2 – Beginning Segment for Shipment Information Transaction

Segment	Element	Description	Length		Option / Type	Comments
			Min	Max		
B202	140	SCAC	02	04	M / ID	SCAC
B206	145	Shipment Identification Number	01	30	O / AN	Bill of Lading Number
B208	146	Shipment Meth of Pay	02	02	M / ID	CC = Collect PP = Prepaid

B2A – Set Purpose

Segment	Element	Description	Length		Option / Type	Comments
			Min	Max		
B2A01	353	Trans. Set Purpose Cd	02	02	M / ID	Mandatory for ABF BL = Bill of Lading LT = Load Tender
B2A02	346	Application Type	02	02	O / ID	

N7 – Equipment Details

Segment	Element	Description	Length		Option / Type	Comments
			Min	Max		
N702	207	Equipment Number	01	10	M / AN	
N715	567	Equipment Length	04	05	O / NO	

S5 – Stop Off Details

Segment	Element	Description	Length		Option / Type	Comments
			Min	Max		
S501	165	Stop Sequence No.	01	03	M / NO	
S502	163	Stop Reason Code	02	02	M / ID	

G62 – Date / Time

Segment	Element	Description	Length		Option / Type	Comments
			Min	Max		
G6201	432	Date Qualifier	02	02	C / ID	11 = Shipped on this date 66 = Deliver on this date
G6202	373	Date	06	06	C / DT	

AT8 – Shipment Weight, Packaging and Quantity Data

Segment	Element	Description	Length		Option / Type	Comments
			Min	Max		
AT801	187	Weight Qualifier	01	02	X / ID	
AT802	188	Weight Unit Code	01	01	X / ID	
AT803	081	Weight	01	10	X / R	
AT804	080	Lading Quantity	01	07	O / Z	
AT806	184	Volume Unit Qualifier	01	01	X / ID	
AT807	183	Volume	01	08	X / R	

N1 – Name

Segment	Element	Description	Length		Option / Type	Comments
			Min	Max		
N101	098	Entity Identifier	02	02	M / ID	SH = Shipper Number CN = Consignee BT = Bill to Third Party
N102	093	Name	01	35	C / AN	
N103	066	ID Code Qualifier	01	02	C / ID	
N104	067	ID Code	02	20	C / AN	

N2 – Additional Name Information

Segment	Element	Description	Length		Option / Type	Comments
			Min	Max		
N201	093	Name	01	35	M / AN	
N202	093	Name	01	35	O / AN	

N3 – Address Information

Segment	Element	Description	Length		Option / Type	Comments
			Min	Max		
N301	166	Address	01	35	M / AN	
N302	166	Address	01	35	O / AN	

N4 – Geographic Location

Segment	Element	Description	Length		Option / Type	Comments
			Min	Max		
N401	019	City Name	02	30	C / AN	
N402	156	State / Prov. Code	02	02	O / ID	Postal Alpha Code
N403	116	Postal Code	03	11	O / ID	Zip Code

G61 - Contact

Segment	Element	Description	Length		Option / Type	Comments
			Min	Max		
G6101	366	Contact Function Code	02	02	M / ID	
G6102	093	Name	01	60	M / AN	
G6103	365	Communication Number Qualifier	02	02	X / ID	
G6104	443	Contact Inquiry Reference	01	20	O / AN	

OID – Order Identification Detail

Segment	Element	Description	Length		Option / Type	Comments
			Min	Max		
OID01	127	Reference ID	01	30	X / AN	
OID02	324	Purchase Order No.	01	22	X / AN	
OID04	355	Unit or Basis Meas. Code	02	02	X / ID	
OID05	380	Quantity	01	15	X / R	
OID06	188	Weight Unit Code	01	01	X / ID	
OID07	081	Weight	01	10	X / R	
OID08	184	Volume Unit Qualifier	01	01	X / ID	
OID09	183	Volume	01	08	X / R	

AT5 – Bill of Lading Handling Requirements

Segment	Element	Description	Length		Option / Type	Comments
			Min	Max		
AT502	560	Special Services Code	02	10	X / ID	

NTE – Note / Special Information

Segment	Element	Description	Length		Option / Type	Comments
			Min	Max		
NTE02	352	Description	01	80	M / AN	

L5 – Description, Marks, and Numbers

Segment	Element	Description	Length		Option / Type	Comments
			Min	Max		
L501	213	Lading Line Number	01	03	O / N0	Mandatory for ABF
L502	079	Lading Description	01	50	O / AN	No Product Names
L503	022	Commodity Code	01	30	X / AN	Mandatory for ABF
L504	023	Commodity Code Qual	01	01	X / AN	'N'

L3 – Total Weight and Charges

Segment	Element	Description	Length		Option / Type	Comments
			Min	Max		
L301	081	Weight	01	10	C / R	
L302	187	Weight Qualifier	01	02	C / ID	G = Gross Weight
L311	080	Lading Quantity	01	07	O / N0	Total Pieces

SE – Transaction Set Trailer

Segment	Element	Description	Length		Option / Type	Comments
			Min	Max		
SE01	096	Number of Incl. Seg.	01	06	M / N0	Number of this segment
SE02	329	Trans. Set Control No.	04	09	M / AN	Number of trans. w/in set

GE – Functional Group Trailer

Segment	Element	Description	Length		Option / Type	Comments
			Min	Max		
GE01	097	Number of Incl. Sets	01	06	M / NO	
GE02	028	Data Intch Control No.	01	09	M / NO	Must match GS06

In order to insure the proper assessment of freight charges and avoid infractions of federal and state laws, shippers should acquaint themselves with the descriptions of articles found in National Motor Freight Classification tariff NMF-100. Careful consideration should be given to material construction and form of shipment, such as 'set up (SU)' or 'knocked down (KD)'. For example, 'desks, steel, KD' (item 81190 sub 2 class 85) versus 'desks, wooden or wood and steel combined, SU' (item 81200 sub 1 class 125). Commodity word descriptions (i.e., shipper's should avoid the use of product names) and the number of articles, packages, or pieces should be used in bills of lading and shipping orders. For each separate commodity description, the number and type of packages and the gross weight (including packaging, pallets, skids, etc.) of each should also be shown.

Example Manifest

Shipper Name: Allied Instruments
 Address: 502 Wellington
 City: Houston, TX 77022

Seq	Pro No	Bill No	SO/PLS	Pieces	Weight	Co. Name	City	State	Zip	NMFC
1	075418039	001-55122	300001479-00005	1	28	Baskin Electric Corp	Ft. Smith	AR	72903	178690-3
2	075214808	001-55127	300001480-00001	30	1800	Walgreys Co.	Mt. Prospect	IL	60056	116030-1