



404 Rail Carrier Shipment Information

X12/V4010/404 : 404 Rail Carrier Shipment Information

Company:

General Mills

Modified:

1/11/2018

Notes:

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404 Rail Carrier Shipment Information

Functional Group=SR

Purpose: This Draft Standard for Trial Use contains the format and establishes the data contents of the Rail Carrier Shipment Information Transaction Set (404) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to transmit rail-carrier-specific bill of lading information to a railroad. It is the initial tender of a shipment between a consignor and a rail carrier and can be used as notification of equipment release and/or a legal bill of lading.

Not Defined:

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

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must use
030	BX	General Shipment Information	O	1		N1/030	Used
040	BNX	Rail Shipment Information	O	1			Used
050	M3	Release	M	1			Must use
060	N9	Reference Identification	M	30			Must use
090	DTM	Date/Time Reference	O	5			Used

LOOP ID - N7 500

100	N7	Equipment Details	M	1			Must use
130	M7	Seal Numbers	O	5			Used
190	F9	Origin Station	M	1			Must use
200	D9	Destination Station	M	1			Must use

LOOP ID - N1 10

210	N1	Name	M	1			Must use
220	N3	Address Information	O	2			Used
230	N4	Geographic Location	O	1			Used
460	R2	Route Information	O	13			Used

LOOP ID - LX 25

540	LX	Assigned Number	M	1			Must use
550	L5	Description, Marks and Numbers	M	15			Must use

LOOP ID - L0 25

570	L0	Line Item - Quantity and Weight	O	1			Used
840	SE	Transaction Set Trailer	M	1			Must use

Not Defined:

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

Notes:

1/030 BX05 contains the Standard Carrier Alpha Code (SCAC) of the original roadhaul carrier receiving the shipment.

ISA Interchange Control Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 16

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA01	I01	Authorization Information Qualifier	M	ID	2/2	Must use
Description: Code to identify the type of information in the Authorization Information						
CodeList Summary (Total Codes: 7, Included: 1)						
Code Name						
00 No Authorization Information Present (No Meaningful Information in I02)						
ISA02	I02	Authorization Information	M	AN	10/10	Must use
Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)						
ISA03	I03	Security Information Qualifier	M	ID	2/2	Must use
Description: Code to identify the type of information in the Security Information						
CodeList Summary (Total Codes: 2, Included: 1)						
Code Name						
00 No Security Information Present (No Meaningful Information in I04)						
ISA04	I04	Security Information	M	AN	10/10	Must use
Description: This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)						
ISA05	I05	Interchange ID Qualifier	M	ID	2/2	Must use
Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified						
CodeList Summary (Total Codes: 38, Included: 1)						
Code Name						
08 UCC EDI Communications ID (Comm ID)						
ISA06	I06	Interchange Sender ID	M	AN	15/15	Must use
Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element						
General Mills Note:						
<i>General Mills ID = 9251190000</i>						
ISA07	I05	Interchange ID Qualifier	M	ID	2/2	Must use
Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified						
All valid standard codes are used. (Total Codes: 38)						
ISA08	I07	Interchange Receiver ID	M	AN	15/15	Must use
Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them						
ISA09	I08	Interchange Date	M	DT	6/6	Must use

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Date of the interchange				
ISA10	I09	Interchange Time	M	TM	4/4	Must use
		Description: Time of the interchange				
ISA11	I10	Interchange Control Standards Identifier	M	ID	1/1	Must use
		Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer				
		All valid standard codes are used. (Total Codes: 1)				
ISA12	I11	Interchange Control Version Number	M	ID	5/5	Must use
		Description: Code specifying the version number of the interchange control segments				
		CodeList Summary (Total Codes: 14, Included: 1)				
		<u>Code</u>	<u>Name</u>			
		00401	Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997			
ISA13	I12	Interchange Control Number	M	N0	9/9	Must use
		Description: A control number assigned by the interchange sender				
ISA14	I13	Acknowledgment Requested	M	ID	1/1	Must use
		Description: Code sent by the sender to request an interchange acknowledgment (TA1)				
		All valid standard codes are used. (Total Codes: 2)				
ISA15	I14	Usage Indicator	M	ID	1/1	Must use
		Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information				
		CodeList Summary (Total Codes: 3, Included: 1)				
		<u>Code</u>	<u>Name</u>			
		P	Production Data			
ISA16	I15	Component Element Separator	M		1/1	Must use
		Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator				

GS Functional Group Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 8

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage				
GS01	479	Functional Identifier Code	M	ID	2/2	Must use				
Description: Code identifying a group of application related transaction sets										
CodeList Summary (Total Codes: 240, Included: 1)										
<table><tr><th>Code</th><th>Name</th></tr><tr><td>SR</td><td>Rail Carrier Shipment Information (404, 419)</td></tr></table>							Code	Name	SR	Rail Carrier Shipment Information (404, 419)
Code	Name									
SR	Rail Carrier Shipment Information (404, 419)									
GS02	142	Application Sender's Code	M	AN	2/15	Must use				
Description: Code identifying party sending transmission; codes agreed to by trading partners										
General Mills Note:										
General Mills ID = 6125404455										
GS03	124	Application Receiver's Code	M	AN	2/15	Must use				
Description: Code identifying party receiving transmission; codes agreed to by trading partners										
GS04	373	Date	M	DT	8/8	Must use				
Description: Date expressed as CCYYMMDD										
GS05	337	Time	M	TM	4/8	Must use				
Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)										
GS06	28	Group Control Number	M	N0	1/9	Must use				
Description: Assigned number originated and maintained by the sender										
GS07	455	Responsible Agency Code	M	ID	1/2	Must use				
Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480										
All valid standard codes are used. (Total Codes: 2)										
GS08	480	Version / Release / Industry Identifier Code	M	AN	1/12	Must use				
Description: Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed										
CodeList Summary (Total Codes: 39, Included: 1)										
<table><tr><th>Code</th><th>Name</th></tr><tr><td>004010</td><td>Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997</td></tr></table>							Code	Name	004010	Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997
Code	Name									
004010	Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997									

Semantics:

1. GS04 is the group date.
2. GS05 is the group time.

3. The data interchange control number GS06 in this header must be identical to the same 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

User Option (Usage): Must use
Purpose: To indicate the start of a transaction set and to assign a control number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use
Description: Code uniquely identifying a Transaction Set All valid standard codes are used. (Total Codes: 298)						
ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set						

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).

BX General Shipment Information

Pos: 030	Max: 1
Heading - Optional	
Loop: N/A	Elements: 7

User Option (Usage): Used

Purpose: To transmit identification numbers and other basic shipment data

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BX01	353	Transaction Set Purpose Code	M	ID	2/2	Must use
Description: Code identifying purpose of transaction set						
CodeList Summary (Total Codes: 65, Included: 1)						
<u>Code</u> <u>Name</u>						
00 Original						
BX02	91	Transportation Method/Type Code	M	ID	1/2	Must use
Description: Code specifying the method or type of transportation for the shipment						
CodeList Summary (Total Codes: 71, Included: 1)						
<u>Code</u> <u>Name</u>						
R Rail						
BX03	146	Shipment Method of Payment	M	ID	2/2	Must use
Description: Code identifying payment terms for transportation charges						
CodeList Summary (Total Codes: 28, Included: 2)						
<u>Code</u> <u>Name</u>						
CC Collect						
PP Prepaid (by Seller)						
BX04	145	Shipment Identification Number	O	AN	1/30	Used
Description: Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)						
General Mills Note: General Mills Shipment Number						
BX05	140	Standard Carrier Alpha Code	O	ID	2/4	Used
Description: Standard Carrier Alpha Code						
BX06	188	Weight Unit Code	O	ID	1/1	Used
Description: Code specifying the weight unit						
CodeList Summary (Total Codes: 8, Included: 1)						
<u>Code</u> <u>Name</u>						
L Pounds						
BX07	147	Shipment Qualifier	O	ID	1/1	Used
Description: Code defining relationship of this shipment with respect to other shipments given to the carrier at the same time						
CodeList Summary (Total Codes: 35, Included: 1)						
<u>Code</u> <u>Name</u>						
B Bill of Lading for Individual Shipment						

BNX Rail Shipment Information

Pos: 040	Max: 1
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used
Purpose: To transmit rail-specific shipment data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage				
BNX01	460	Shipment Weight Code	O	ID	1/1	Used				
Description: Code indicating the way by which weights are obtained for a particular shipment										
CodeList Summary (Total Codes: 13, Included: 1)										
<table><tr><th>Code</th><th>Name</th></tr><tr><td>A</td><td>Shipper's Weight Agreement</td></tr></table>							Code	Name	A	Shipper's Weight Agreement
Code	Name									
A	Shipper's Weight Agreement									
BNX03	11	Billing Code	O	ID	1/1	Used				
Description: Code indicating type of Bill										
CodeList Summary (Total Codes: 20, Included: 1)										
<table><tr><th>Code</th><th>Name</th></tr><tr><td>S</td><td>Single Shipment Billing</td></tr></table>							Code	Name	S	Single Shipment Billing
Code	Name									
S	Single Shipment Billing									

M3 Release

Pos: 050	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Purpose: To indicate that the equipment is or is not to be released

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
M301	132	Release Code	M	ID	1/1	Must use

Description: Code signifying whether or not the shipment information transaction set includes instructions for pick-up and movement of the shipment; (This code provides a means for the shipper to transmit billing data along with the movement instructions, transmit billing data ahead of the movement instructions, or follow movement instructions with complete billing data at a later date)

CodeList Summary (Total Codes: 6, Included: 1)

Code Name

R Released with Billing Data

M302	373	Date	X	DT	8/8	Used
------	-----	-------------	---	----	-----	------

Description: Date expressed as CCYYMMDD

General Mills Note: *Shipment Date*

Syntax Rules:

1. R0203 - At least one of M302 or M303 is required.
2. C0403 - If M304 is present, then M303 is required.

Semantics:

1. If M301 contains code value "S" or "R", then M302 is the date of release. If M301 contains code value "U", then M302 is the estimated date of release.
2. M304 reflects the time zone which the time reflects.

N9 Reference Identification

Pos: 060	Max: 30
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N901	128	Reference Identification Qualifier	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

CodeList Summary (Total Codes: 1503, Included: 3)

Code Name

BM Bill of Lading Number

CO Customer Order Number

SI Shipper's Identifying Number for Shipment (SID)

Description: A unique number (to the shipper) assigned by the shipper to identify the shipment

N902	127	Reference Identification	X	AN	1/30	Used
------	-----	--------------------------	---	----	------	------

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is required.

Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

DTM Date/Time Reference

Pos: 090	Max: 5
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

Purpose: To specify pertinent dates and times

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use

Description: Code specifying type of date or time, or both date and time

CodeList Summary (Total Codes: 1112, Included: 1)

Code Name

017 Estimated Delivery

DTM02	373	Date	X	DT	8/8	Used
-------	-----	------	---	----	-----	------

Description: Date expressed as CCYYMMDD

General Mills Note: *Delivery Date*

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

Loop Equipment Details

Pos: 100	Repeat: 500
Mandatory	
Loop: N7	Elements: N/A

User Option (Usage): Must use
Purpose: To identify the equipment

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
100	N7	Equipment Details	M	1		Must use
130	M7	Seal Numbers	O	5		Used

N7 Equipment Details

Pos: 100	Max: 1
Heading - Mandatory	
Loop: N7	Elements: 4

User Option (Usage): Must use

Purpose: To identify the equipment

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N701	206	Equipment Initial	O	AN	1/4	Used
		Description: Prefix or alphabetic part of an equipment unit's identifying number				
N702	207	Equipment Number	M	AN	1/10	Must use
		Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)				
N703	81	Weight	X	R	1/10	Used
		Description: Numeric value of weight				
N704	187	Weight Qualifier	X	ID	1/2	Used
		Description: Code defining the type of weight				
		All valid standard codes are used. (Total Codes: 51)				

Syntax Rules:

1. P0304 - If either N703 or N704 is present, then the other is required.
2. P0516 - If either N705 or N716 is present, then the other is required.
3. P0809 - If either N708 or N709 is present, then the other is required.

Semantics:

1. N712 is the owner of the equipment.
2. N723 is the operator or carrier of the rights of the equipment.

Comments:

1. N701 is mandatory for rail transactions.
2. N720 and N721 are expressed in inches.

M7 Seal Numbers

Pos: 130	Max: 5
Heading - Optional	
Loop: N7	Elements: 1

User Option (Usage): Used
Purpose: To record seal numbers used and the organization that applied the seals

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
M701	225	Seal Number	M	AN	2/15	Must use
Description: Unique number on seal used to close a shipment						

Comments:

- 1. M705 indicates the name of the organization which applied the seal(s).

F9 Origin Station

Pos: 190	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Purpose: To identify the rail origin of the shipment

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
F902	19	City Name	M	AN	2/30	Must use
Description: Free-form text for city name						
F903	156	State or Province Code	M	ID	2/2	Must use
Description: Code (Standard State/Province) as defined by appropriate government agency						

Semantics:

1. F902 is the origin station for movement.
2. F904 is the country code for the city named in the F902.
3. F905 is the freight station accounting code of the origin junction settlement carrier.
4. F908 is the Standard Point Location Code (SPLC) for the city named in the F902.
5. F909 is the postal code for the city named in the F902.
6. F910 is the Standard Point Location Code (SPLC) for the city named in the F906.
7. F911 is the postal code for the city named in the F906.
8. F912 is the country code for the city named in the F906.

Comments:

1. F905 is the freight station accounting code of the city named in F906.

D9 Destination Station

Pos: 200	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Purpose: To identify the rail destination of the shipment

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
D902	19	City Name	M	AN	2/30	Must use
Description: Free-form text for city name						
D903	156	State or Province Code	M	ID	2/2	Must use
Description: Code (Standard State/Province) as defined by appropriate government agency						

Semantics:

1. D902 is the destination station of movement.
2. D904 is the country code for the city named in the D902.
3. D905 is the freight station accounting code of the destination junction settlement carrier.
4. D908 is the Standard Point Location Code (SPLC) for the city named in the D902.
5. D909 is the postal code for the city names in the D902.
6. D910 is the Standard Point Location Code (SPLC) for the city named in the D906.
7. D911 is the postal code for the city named in the D906.
8. D912 is the country code for the city named in the D906.

Comments:

1. D905 is the freight station accounting code of the city name in D906.

Loop Name

Pos: 210	Repeat: 10
Mandatory	
Loop: N1	Elements: N/A

User Option (Usage): Must use
Purpose: To identify a party by type of organization, name, and code

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
210	N1	Name	M	1		Must use
220	N3	Address Information	O	2		Used
230	N4	Geographic Location	O	1		Used

N1 Name

Pos: 210	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 4

User Option (Usage): Must use

Purpose: To identify a party by type of organization, name, and code

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>						
N101	98	Entity Identifier Code	M	ID	2/3	Must use						
Description: Code identifying an organizational entity, a physical location, property or an individual												
CodeList Summary (Total Codes: 1312, Included: 2)												
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>CN</td><td>Consignee</td></tr><tr><td>SH</td><td>Shipper</td></tr></table>							<u>Code</u>	<u>Name</u>	CN	Consignee	SH	Shipper
<u>Code</u>	<u>Name</u>											
CN	Consignee											
SH	Shipper											
N102	93	Name	X	AN	1/60	Used						
Description: Free-form name												
N103	66	Identification Code Qualifier	X	ID	1/2	Used						
Description: Code designating the system/method of code structure used for Identification Code (67)												
CodeList Summary (Total Codes: 215, Included: 1)												
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>9</td><td>D-U-N-S+4, D-U-N-S Number with Four Character Suffix</td></tr></table>							<u>Code</u>	<u>Name</u>	9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
<u>Code</u>	<u>Name</u>											
9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix											
N104	67	Identification Code	X	AN	2/80	Used						
Description: Code identifying a party or other code												
General Mills Note: Duns Number of Ship-From / Ship-To												

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

N3 Address Information

Pos: 220	Max: 2
Heading - Optional	
Loop: N1	Elements: 1

User Option (Usage): Used
Purpose: To specify the location of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	Address Information	M	AN	1/55	Must use
Description: Address information						

N4 Geographic Location

Pos: 230	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

Purpose: To specify the geographic place of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name	O	AN	2/30	Used
		Description: Free-form text for city name				
N402	156	State or Province Code	O	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	Postal Code	O	ID	3/15	Used
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	Country Code	O	ID	2/3	Used
		Description: Code identifying the country				

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

R2 Route Information

Pos: 460	Max: 13
Heading - Optional	
Loop: N/A	Elements: 3

User Option (Usage): Used

Purpose: To specify carrier and routing sequences and details

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
R201	140	Standard Carrier Alpha Code	M	ID	2/4	Must use
		Description: Standard Carrier Alpha Code				
R202	133	Routing Sequence Code	M	ID	1/2	Must use
		Description: Code describing the relationship of a carrier to a specific shipment movement				
		All valid standard codes are used. (Total Codes: 23)				
R203	19	City Name	O	AN	2/30	Used
		Description: Free-form text for city name				

Syntax Rules:

1. C0807 - If R208 is present, then R207 is required.

Semantics:

1. R203 is the station or city name at which carriers interchange shipments.
2. R210 is the billing date.

Loop Assigned Number

Pos: 540	Repeat: 25
Mandatory	
Loop: LX	Elements: N/A

User Option (Usage): Must use
Purpose: To reference a line number in a transaction set

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
540	LX	Assigned Number	M	1		Must use
550	L5	Description, Marks and Numbers	M	15		Must use
570		Loop L0	O		25	Used

LX Assigned Number

Pos: 540	Max: 1
Heading - Mandatory	
Loop: LX	Elements: 1

User Option (Usage): Must use
Purpose: To reference a line number in a transaction set

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LX01	554	Assigned Number	M	N0	1/6	Must use
Description: Number assigned for differentiation within a transaction set						

L5 Description, Marks and Numbers

Pos: 550	Max: 15
Heading - Mandatory	
Loop: LX	Elements: 5

User Option (Usage): Must use

Purpose: To specify the line item in terms of description, quantity, packaging, and marks and numbers

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L502	79	Lading Description	O	AN	1/50	Used
		Description: Description of an item as required for rating and billing purposes				
L506	87	Marks and Numbers	X	AN	1/48	Used
		Description: Marks and numbers used to identify a shipment or parts of a shipment				
		General Mills Note: <i>Contains General Mills Delivery Number</i>				
L507	88	Marks and Numbers Qualifier	O	ID	1/2	Used
		Description: Code specifying the application or source of Marks and Numbers (87)				
		CodeList Summary (Total Codes: 20, Included: 1)				
		<u>Code</u> <u>Name</u>				
		SM Shipper Assigned				
L508	23	Commodity Code Qualifier	X	ID	1/1	Used
		Description: Code identifying the commodity coding system used for Commodity Code				
		CodeList Summary (Total Codes: 23, Included: 1)				
		<u>Code</u> <u>Name</u>				
		Z Mutually defined				
L509	22	Commodity Code	X	AN	1/30	Used
		Description: Code describing a commodity or group of commodities				
		General Mills Note: <i>Will Contain General Mills Item Number</i>				

Syntax Rules:

1. P0304 - If either L503 or L504 is present, then the other is required.
2. C0706 - If L507 is present, then L506 is required.
3. P0809 - If either L508 or L509 is present, then the other is required.

Comments:

1. L502 may be used to send quantity information as part of the product description.

Loop Line Item - Quantity and Weight

Pos: 570	Repeat: 25
Optional	
Loop: L0	Elements: N/A

User Option (Usage): Used

Purpose: To specify quantity, weight, volume, and type of service for a line item including applicable "quantity/rate-as" data

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
570	L0	Line Item - Quantity and Weight	O	1		Used

L0 Line Item - Quantity and Weight

Pos: 570	Max: 1
Heading - Optional	
Loop: L0	Elements: 1

User Option (Usage): Used

Purpose: To specify quantity, weight, volume, and type of service for a line item including applicable "quantity/rate-as" data

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L008	80	Lading Quantity	X	N0	1/7	Used

Description: Number of units (pieces) of the lading commodity

General Mills Note: *Quantity Shipped*

Syntax Rules:

1. P0203 - If either L002 or L003 is present, then the other is required.
2. P0405 - If either L004 or L005 is present, then the other is required.
3. P0607 - If either L006 or L007 is present, then the other is required.
4. P0809 - If either L008 or L009 is present, then the other is required.
5. C1104 - If L011 is present, then L004 is required.
6. P1315 - If either L013 or L015 is present, then the other is required.

Semantics:

1. L008 is the number of handling units of the line item tendered to the carrier.
2. L013 can only be used if the code in L009 is PLT, SKD, or SLP.
3. L015 designates whether the carrier will be required to verify the number of units contained on a pallet, slip sheet or skid. Code "Y" indicates that the carrier will be required to verify. Code "N" indicates that the carrier will not be required to verify.

Comments:

1. L013 is used to convey the total number of boxes, cartons, or pieces contained on a pallet, skid, or slip sheet for the line item.

SE Transaction Set Trailer

Pos: 840	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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)

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE01	96	Number of Included Segments	M	N0	1/10	Must use
Description: Total number of segments included in a transaction set including ST and SE segments						
SE02	329	Transaction Set Control Number	M	AN	4/9	Must use
Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set						

Comments:

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

GE Functional Group Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GE01	97	Number of Transaction Sets Included	M	N0	1/6	Must use
Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element						
GE02	28	Group Control Number	M	N0	1/9	Must use
Description: Assigned number originated and maintained by the sender						

Semantics:

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group 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
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use
Purpose: To define the end of an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IEA01	I16	Number of Included Functional Groups	M	N0	1/5	Must use
Description: A count of the number of functional groups included in an interchange						
IEA02	I12	Interchange Control Number	M	N0	9/9	Must use
Description: A control number assigned by the interchange sender						