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# **404 Rail Carrier Shipment Information**

**X12/V4010/404 : 404 Rail Carrier Shipment Information**

**Company:**

**General Mills**

**Modified:**

**1/11/2018**

**Notes:**

# Table of Contents

<b>404</b>	<b>Rail Carrier Shipment Information</b>	<b>1</b>
ISA	Interchange Control Header	2
GS	Functional Group Header	4
ST	Transaction Set Header	6
BX	General Shipment Information	7
BNX	Rail Shipment Information	8
M3	Release	9
N9	Reference Identification	10
DTM	Date/Time Reference	11
N7	Loop Equipment Details	12
N7	Equipment Details	13
M7	Seal Numbers	14
F9	Origin Station	15
D9	Destination Station	16
N1	Loop Name	17
N1	Name	18
N3	Address Information	19
N4	Geographic Location	20
R2	Route Information	21
LX	Loop Assigned Number	22
LX	Assigned Number	23
L5	Description, Marks and Numbers	24
L0	Loop Line Item - Quantity and Weight	25
L0	Line Item - Quantity and Weight	26
SE	Transaction Set Trailer	27
GE	Functional Group Trailer	28
IEA	Interchange Control Trailer	29

# 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

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

**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	<b>Authorization Information Qualifier</b>	M	ID	2/2	Must use
<p><b>Description:</b> Code to identify the type of information in the Authorization Information</p> <p><b>CodeList Summary</b> (Total Codes: 7, Included: 1)</p> <p><b>Code Name</b></p> <p>00 No Authorization Information Present (No Meaningful Information in I02)</p>						
ISA02	I02	<b>Authorization Information</b>	M	AN	10/10	Must use
<p><b>Description:</b> 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)</p>						
ISA03	I03	<b>Security Information Qualifier</b>	M	ID	2/2	Must use
<p><b>Description:</b> Code to identify the type of information in the Security Information</p> <p><b>CodeList Summary</b> (Total Codes: 2, Included: 1)</p> <p><b>Code Name</b></p> <p>00 No Security Information Present (No Meaningful Information in I04)</p>						
ISA04	I04	<b>Security Information</b>	M	AN	10/10	Must use
<p><b>Description:</b> 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)</p>						
ISA05	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2	Must use
<p><b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified</p> <p><b>CodeList Summary</b> (Total Codes: 38, Included: 1)</p> <p><b>Code Name</b></p> <p>08 UCC EDI Communications ID (Comm ID)</p>						
ISA06	I06	<b>Interchange Sender ID</b>	M	AN	15/15	Must use
<p><b>Description:</b> 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</p> <p><b>General Mills Note:</b> <i>General Mills ID = 9251190000</i></p>						
ISA07	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2	Must use
<p><b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified</p> <p><b>All valid standard codes are used. (Total Codes: 38)</b></p>						
ISA08	I07	<b>Interchange Receiver ID</b>	M	AN	15/15	Must use
<p><b>Description:</b> 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</p>						
ISA09	I08	<b>Interchange Date</b>	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>
		<b>Description:</b> Date of the interchange				
ISA10	I09	<b>Interchange Time</b>	M	TM	4/4	Must use
		<b>Description:</b> Time of the interchange				
ISA11	I10	<b>Interchange Control Standards Identifier</b>	M	ID	1/1	Must use
		<b>Description:</b> Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer <b>All valid standard codes are used. (Total Codes: 1)</b>				
ISA12	I11	<b>Interchange Control Version Number</b>	M	ID	5/5	Must use
		<b>Description:</b> Code specifying the version number of the interchange control segments <b>CodeList Summary</b> (Total Codes: 14, Included: 1) <b>Code Name</b> 00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997				
ISA13	I12	<b>Interchange Control Number</b>	M	N0	9/9	Must use
		<b>Description:</b> A control number assigned by the interchange sender				
ISA14	I13	<b>Acknowledgment Requested</b>	M	ID	1/1	Must use
		<b>Description:</b> Code sent by the sender to request an interchange acknowledgment (TA1) <b>All valid standard codes are used. (Total Codes: 2)</b>				
ISA15	I14	<b>Usage Indicator</b>	M	ID	1/1	Must use
		<b>Description:</b> Code to indicate whether data enclosed by this interchange envelope is test, production or information <b>CodeList Summary</b> (Total Codes: 3, Included: 1) <b>Code Name</b> P Production Data				
ISA16	I15	<b>Component Element Separator</b>	M		1/1	Must use
		<b>Description:</b> 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

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

**User Option (Usage):** Must use

**Purpose:** To indicate the beginning 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>
GS01	479	<b>Functional Identifier Code</b>	M	ID	2/2	Must use

**Description:** Code identifying a group of application related transaction sets

**CodeList Summary** (Total Codes: 240, Included: 1)

**Code Name**

SR Rail Carrier Shipment Information (404, 419)

GS02	142	<b>Application Sender's Code</b>	M	AN	2/15	Must use
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**Description:** Code identifying party sending transmission; codes agreed to by trading partners

**General Mills Note:**

*General Mills ID = 6125404455*

GS03	124	<b>Application Receiver's Code</b>	M	AN	2/15	Must use
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**Description:** Code identifying party receiving transmission; codes agreed to by trading partners

GS04	373	<b>Date</b>	M	DT	8/8	Must use
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**Description:** Date expressed as CCYYMMDD

GS05	337	<b>Time</b>	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	<b>Group Control Number</b>	M	N0	1/9	Must use
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**Description:** Assigned number originated and maintained by the sender

GS07	455	<b>Responsible Agency Code</b>	M	ID	1/2	Must use
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**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	<b>Version / Release / Industry Identifier Code</b>	M	AN	1/12	Must use
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**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)

**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

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

**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	<b>Transaction Set Identifier Code</b>	M	ID	3/3	Must use
<p><b>Description:</b> Code uniquely identifying a Transaction Set  <b>All valid standard codes are used. (Total Codes: 298)</b></p>						
ST02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Must use
<p><b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set</p>						

## 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	<b>Transaction Set Purpose Code</b>	M	ID	2/2	Must use
<b>Description:</b> Code identifying purpose of transaction set						
<b>CodeList Summary</b> (Total Codes: 65, Included: 1)						
<u>Code</u> <u>Name</u>						
00 Original						
BX02	91	<b>Transportation Method/Type Code</b>	M	ID	1/2	Must use
<b>Description:</b> Code specifying the method or type of transportation for the shipment						
<b>CodeList Summary</b> (Total Codes: 71, Included: 1)						
<u>Code</u> <u>Name</u>						
R Rail						
BX03	146	<b>Shipment Method of Payment</b>	M	ID	2/2	Must use
<b>Description:</b> Code identifying payment terms for transportation charges						
<b>CodeList Summary</b> (Total Codes: 28, Included: 2)						
<u>Code</u> <u>Name</u>						
CC Collect						
PP Prepaid (by Seller)						
BX04	145	<b>Shipment Identification Number</b>	O	AN	1/30	Used
<b>Description:</b> 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)						
<b>General Mills Note:</b> <i>General Mills Shipment Number</i>						
BX05	140	<b>Standard Carrier Alpha Code</b>	O	ID	2/4	Used
<b>Description:</b> Standard Carrier Alpha Code						
BX06	188	<b>Weight Unit Code</b>	O	ID	1/1	Used
<b>Description:</b> Code specifying the weight unit						
<b>CodeList Summary</b> (Total Codes: 8, Included: 1)						
<u>Code</u> <u>Name</u>						
L Pounds						
BX07	147	<b>Shipment Qualifier</b>	O	ID	1/1	Used
<b>Description:</b> Code defining relationship of this shipment with respect to other shipments given to the carrier at the same time						
<b>CodeList Summary</b> (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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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)

**Code Name**

A Shipper's Weight Agreement

BNX03	11	Billing Code	O	ID	1/1	Used
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**Description:** Code indicating type of Bill

**CodeList Summary** (Total Codes: 20, Included: 1)

**Code Name**

S Single Shipment Billing

# M3 Release

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

**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	<b>Release Code</b>	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	<b>Date</b>	X	DT	8/8	Used
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**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
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**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

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

**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	<b>Date/Time Qualifier</b>	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	<b>Date</b>	X	DT	8/8	Used
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**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:

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

# N7 Equipment Details

<b>Pos: 100</b>	<b>Max: 1</b>
<b>Heading - Mandatory</b>	
<b>Loop: N7</b>	<b>Elements: 4</b>

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

## 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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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

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

**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	<b>City Name</b>	M	AN	2/30	Must use
<b>Description:</b> Free-form text for city name						
F903	156	<b>State or Province Code</b>	M	ID	2/2	Must use
<b>Description:</b> 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

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

**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	<b>City Name</b>	M	AN	2/30	Must use
		<b>Description:</b> Free-form text for city name				
D903	156	<b>State or Province Code</b>	M	ID	2/2	Must use
		<b>Description:</b> 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

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

**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

<b>Pos: 210</b>	<b>Max: 1</b>
<b>Heading - Mandatory</b>	
<b>Loop: N1</b>	<b>Elements: 4</b>

**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	<b>Entity Identifier Code</b>	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)

**Code Name**

CN Consignee  
SH Shipper

N102	93	<b>Name</b>	X	AN	1/60	Used
------	----	-------------	---	----	------	------

**Description:** Free-form name

N103	66	<b>Identification Code Qualifier</b>	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)

**Code Name**

9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix

N104	67	<b>Identification Code</b>	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

<b>Pos: 230</b>	<b>Max: 1</b>
<b>Heading - Optional</b>	
<b>Loop: N1</b>	<b>Elements: 4</b>

**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	<b>City Name</b>	O	AN	2/30	Used
		<b>Description:</b> Free-form text for city name				
N402	156	<b>State or Province Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency				
N403	116	<b>Postal Code</b>	O	ID	3/15	Used
		<b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	<b>Country Code</b>	O	ID	2/3	Used
		<b>Description:</b> 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

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

**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	<b>Standard Carrier Alpha Code</b>	M	ID	2/4	Must use
		<b>Description:</b> Standard Carrier Alpha Code				
R202	133	<b>Routing Sequence Code</b>	M	ID	1/2	Must use
		<b>Description:</b> Code describing the relationship of a carrier to a specific shipment movement				
		<b>All valid standard codes are used. (Total Codes: 23)</b>				
R203	19	<b>City Name</b>	O	AN	2/30	Used
		<b>Description:</b> 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

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

**User Option (Usage):** Must use

**Purpose:** To reference a line number in a transaction set

## 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>
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

<b>Pos: 540</b>	<b>Max: 1</b>
<b>Heading - Mandatory</b>	
<b>Loop: LX</b>	<b>Elements: 1</b>

**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	<b>Assigned Number</b>	M	NO	1/6	Must use

**Description:** Number assigned for differentiation within a transaction set

# L5 Description, Marks and Numbers

<b>Pos: 550</b>	<b>Max: 15</b>
<b>Heading - Mandatory</b>	
<b>Loop: LX</b>	<b>Elements: 5</b>

**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	<b>Lading Description</b>	O	AN	1/50	Used
<b>Description:</b> Description of an item as required for rating and billing purposes						
L506	87	<b>Marks and Numbers</b>	X	AN	1/48	Used
<b>Description:</b> Marks and numbers used to identify a shipment or parts of a shipment						
<b>General Mills Note:</b> <i>Contains General Mills Delivery Number</i>						
L507	88	<b>Marks and Numbers Qualifier</b>	O	ID	1/2	Used
<b>Description:</b> Code specifying the application or source of Marks and Numbers (87)						
<b>CodeList Summary</b> (Total Codes: 20, Included: 1)						
<b>Code Name</b>						
SM Shipper Assigned						
L508	23	<b>Commodity Code Qualifier</b>	X	ID	1/1	Used
<b>Description:</b> Code identifying the commodity coding system used for Commodity Code						
<b>CodeList Summary</b> (Total Codes: 23, Included: 1)						
<b>Code Name</b>						
Z Mutually defined						
L509	22	<b>Commodity Code</b>	X	AN	1/30	Used
<b>Description:</b> Code describing a commodity or group of commodities						
<b>General Mills Note:</b> <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	NO	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

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

**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:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	<b>Number of Included Segments</b>	M	NO	1/10	Must use
		<b>Description:</b> Total number of segments included in a transaction set including ST and SE segments				
SE02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Must use
		<b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				

**Comments:**

- SE is the last segment of each transaction set.

# GE Functional Group Trailer

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

**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	<b>Number of Transaction Sets Included</b>	M	N0	1/6	Must use
<b>Description:</b> Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element						
GE02	28	<b>Group Control Number</b>	M	N0	1/9	Must use
<b>Description:</b> 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

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

**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	<b>Number of Included Functional Groups</b>	M	N0	1/5	Must use
		<b>Description:</b> A count of the number of functional groups included in an interchange				
IEA02	I12	<b>Interchange Control Number</b>	M	N0	9/9	Must use
		<b>Description:</b> A control number assigned by the interchange sender				