



CSX EDI 423

Rail Industrial Switch List

X12/V4050/423: 423 Rail Industrial Switch List

Version: 005030 RAIL

Questions about the CSX EDI 423 Implementation Guide should be directed to:

877-SHIPCSX option 2, prompt 1

Monday – Friday: 7:00 AM – 6:00 PM

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423

Rail Industrial Switch List

Functional Group=RL

Purpose: This X12 Transaction Set contains the format and establishes the data contents of the Rail Industrial Switch List Transaction Set (423) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set is intended solely for producing switch lists and equipment notifications. It is not for recording release times and the ordering of empty equipment. It is also to provide switching information agreed to between customer and carrier to show car identity, placement, pull and destination information.

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>
0100	ISA	Interchange Control Header	M	1			Must use
0200	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>
0100	ST	Transaction Set Header	M	1			Must use
0200	BGN	Beginning Segment	M	1			Must use
0300	DTM	Date/Time Reference	O	1		N1/0300	Used

<u>LOOP ID - N1</u>					<u>5</u>	<u>N1/0600L</u>	
0700	N1	Party Identification	M	1			Must use
0900	N3	Party Location	O	1			Used
1000	N4	Geographic Location	O	1			Used
1100	PER	Administrative Communications Contact	O	1			Used

<u>LOOP ID - LX</u>					<u>150</u>		
1300	LX	Transaction Set Line Number	M	1			Used

<u>LOOP ID - N7</u>					<u>500</u>		
1600	N7	Equipment Details	M	1			Must use
1700	YNQ	Yes/No Question	O	10			Used
1800	DTM	Date/Time Reference	O	1			Used
1900	XD	Placement/Pull Data	O	1		C1/1900	Used
2100	N1	Party Identification	C	1		N1/2100	Used
2300	L5	Description, Marks and Numbers	O	5			Used
2500	F9	Origin Station	O	1			Used
3000	N9	Extended Reference Information	O	10			Used
4600	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>
0100	GE	Functional Group Trailer	M	1			Must use
0200	IEA	Interchange Control Trailer	M	1			Must use

Notes:

1/0300 If the segment is not provided Date and Time received will be used.

1/0600L This segment is used to identify the customer location for the plant switch request

1/2100 Required for an IT or SS switch type event (XD 01)

Comments:

1/1900 (If XD segment is not present - bypass car processing)

ISA Interchange Control Header

Pos: 0100	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 identifying the type of information in the Authorization Information						
		Code	Name			
		00	No Authorization Information Present (No Meaningful Information in I02)			
		Description:				
		04	Rail Communications ID			
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)						
User Note 1: <i>Use SW423 if ISA01 = "04", otherwise leave blank.</i>						
ISA03	I03	Security Information Qualifier	M	ID	2/2	Must use
Description: Code identifying the type of information in the Security Information						
All valid standard codes are used.						
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: Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified						
All valid standard codes are used.						
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						
ISA07	I05	Interchange ID Qualifier	M	ID	2/2	Must use
Description: Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified						
		Code	Name			
		02	SCAC (Standard Carrier Alpha Code)			
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						
User Note 1: <i>"CSXT" is the Default.</i>						
ISA09	I08	Interchange Date	M	DT	6/6	Must use
Description: Date of the interchange						

User Note 1: <i>Format is YYMMDD</i>						
ISA10	I09	Interchange Time	M	TM	4/4	Must use
Description: Time of the interchange						
User Note 1: <i>Format HHMM</i>						
ISA11	I65	Repetition Separator	M		1/1	Must use
Description: Type is not applicable; the repetition separator is a delimiter and not a data element; this field provides the delimiter used to separate repeated occurrences of a simple data element or a composite data structure; this value must be different than the data element separator, component element separator, and the segment terminator						
ISA12	I11	Interchange Control Version Number	M	ID	5/5	Must use
Description: Code specifying the version number of the interchange control segments						
		<u>Code</u>	<u>Name</u>			
		00503	Standards Approved for Publication by ASC X12			
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 indicating sender's request for an interchange acknowledgment						
		<u>Code</u>	<u>Name</u>			
		0	No Interchange Acknowledgment Requested			
Description:						
ISA15	I14	Interchange Usage Indicator	M	ID	1/1	Must use
Description: Code indicating whether data enclosed by this interchange envelope is test, production or information						
All valid standard codes are used.						
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						
User Note 1: <i>Please use ";" or ">"</i>						

GS Functional Group Header

Pos: 0200	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:

<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	Functional Identifier Code	M	ID	2/2	Must use
Description: Code identifying a group of application related transaction sets All valid standard codes are used.						
GS02	142	Application Sender's Code	M	AN	2/15	Must use
Description: Code identifying party sending transmission; codes agreed to by trading partners User Note 1: (Limited to 12 characters)						
GS03	124	Application Receiver's Code	M	AN	2/15	Must use
Description: Code identifying party receiving transmission; codes agreed to by trading partners User Note 1: "CSXT" is the default.						
GS04	373	Date	M	DT	8/8	Must use
Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year						
GS05	337	Time	M	TM	4/4	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.						
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						
		Code		Name		
		005030		Standards Approved for Publication by ASC X12		

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.

ST Transaction Set Header

Pos: 0100	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				
		<u>Code</u>		<u>Name</u>		
		423		Rail Industrial Switch List		
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) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
2. The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition. When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.

BGN Beginning Segment

Pos: 0200	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 5

User Option (Usage): Must use

Purpose: To indicate the beginning of 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>
BGN01	353	Transaction Set Purpose Code	M	ID	2/2	Must use

Description: Code identifying purpose of transaction set

<u>Code</u>	<u>Name</u>
00	Original

User Note 1:

New Release or Switch Request

BGN02	127	Reference Identification	M	AN	1/30	Must use
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

User Note 1: *(Limited to 1/30 for rail usage)*

User Note 2: *Reference number for Switch Request*

BGN03	373	Date	M	DT	8/8	Must use
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Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

BGN04	337	Time	X	TM	4/8	Used
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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)

BGN05	623	Time Code	O	ID	2/2	Used
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Description: Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow
All valid standard codes are used.

Syntax Rules:

1. C0504 - If BGN05 is present, then BGN04 is required.

Semantics:

1. BGN02 is the transaction set reference number.
2. BGN03 is the transaction set date.
3. BGN04 is the transaction set time.
4. BGN05 is the transaction set time qualifier.
5. BGN06 is the transaction set reference number of a previously sent transaction affected by the current transaction.

DTM Date/Time Reference

Pos: 0300	Max: 1
Heading - Optional	
Loop: N/A	Elements: 3

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

<u>Code</u>	<u>Name</u>
007	Effective

User Note 1:

To specify the Effective Date and Time the customer requested the plant switch request.

DTM02	373	Date	M	DT	8/8	Must use
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Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

DTM03	337	Time	M	TM	4/8	Must use
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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)

User Note 1: *Time denoted must be Eastern Time and cannot be older than 12 hours. Future Dates & times will be converted to the date & time received.*

Syntax Rules:

1. P010203 - If either DTM01, DTM02 or DTM03 are present, then the others are required.

Loop N1

Pos: 0600	Repeat: 5
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>
0700	N1	Party Identification	M	1		Must use
0900	N3	Party Location	O	1		Used
1000	N4	Geographic Location	O	1		Used
1100	PER	Administrative Communications Contact	O	1		Used

N1 Party Identification

Pos: 0700	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						
		<u>Code</u>	<u>Name</u>			
		16	Plant (Site Name)			
N102	93	Name	O	AN	1/60	Used
Description: Free-form name						
User Note 1: <i>(Limited to 30 for Rail Transactions)</i>						
N103	66	Identification Code Qualifier	M	ID	1/2	Must use
Description: Code designating the system/method of code structure used for Identification Code (67)						
		<u>Code</u>	<u>Name</u>			
		25	Carrier's Customer Code			
Description: <i>CSX Customer Key (milepost) of the location where the switch will be performed.</i>						
N104	67	Identification Code	M	AN	2/13	Must use
Description: Code identifying a party or other code						
User Note 1: <i>Required - 13 byte CSX Customer Key (milepost) provided by CSXT.</i>						

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 Party Location

Pos: 0900	Max: 1
Heading - Optional	
Loop: N1	Elements: 2

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						
User Note 1: <i>(Limited to 30 for Rail Transactions)</i>						
N302	166	Address Information	O	AN	1/55	Used
Description: Address information						
User Note 1: <i>(Limited to 30 for Rail Transactions)</i>						

N4 Geographic Location

Pos: 1000	Max: 1
Heading - Optional	
Loop: N1	Elements: 3

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	X	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)				

Syntax Rules:

1. E0207 - Only one of N402 or N407 may be present.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

<h1>PER</h1>	<h2>Administrative Communications Contact</h2>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Pos: 1100</td> <td style="padding: 2px;">Max: 1</td> </tr> <tr> <td colspan="2" style="padding: 2px; text-align: center;">Heading - Optional</td> </tr> <tr> <td style="padding: 2px;">Loop: N1</td> <td style="padding: 2px;">Elements: 8</td> </tr> </table>	Pos: 1100	Max: 1	Heading - Optional		Loop: N1	Elements: 8
Pos: 1100	Max: 1							
Heading - Optional								
Loop: N1	Elements: 8							

User Option (Usage): Used

Purpose: To identify a person or office to whom administrative communications should be directed

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>
PER01	366	Contact Function Code	M	ID	2/2	Must use
Description: Code identifying the major duty or responsibility of the person or group named						
		<u>Code</u>	<u>Name</u>			
		IC	Information Contact			
			Description: <i>Information Contact for plant switch request</i>			
		OC	Order Contact			
			Description: <i>Order Contact for plant switch request</i>			
PER02	93	Name	O	AN	1/60	Used
Description: Free-form name						
User Note 1: <i>(Limited to 30 for Rail Transactions)</i>						
PER03	365	Communication Number Qualifier	X	ID	2/2	Used
Description: Code identifying the type of communication number						
All valid standard codes are used.						
PER04	364	Communication Number	X	AN	1/256	Used
Description: Complete communications number including country or area code when applicable						
PER05	365	Communication Number Qualifier	X	ID	2/2	Used
Description: Code identifying the type of communication number						
All valid standard codes are used.						
PER06	364	Communication Number	X	AN	1/256	Used
Description: Complete communications number including country or area code when applicable						
PER07	365	Communication Number Qualifier	X	ID	2/2	Used
Description: Code identifying the type of communication number						
All valid standard codes are used.						
PER08	364	Communication Number	X	AN	1/256	Used
Description: Complete communications number including country or area code when applicable						

Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.

Loop LX

Pos: 1200	Repeat: 150
Mandatory	
Loop: LX	Elements: N/A

User Option (Usage): Used

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>
1300	LX	Transaction Set Line Number	M	1		Used
1500		Loop N7	M		500	Must use

LX Transaction Set Line Number

Pos: 1300	Max: 1
Heading - Mandatory	
Loop: LX	Elements: 1

User Option (Usage): Used

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

Loop N7

Pos: 1500	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>
1600	N7	Equipment Details	M	1		Must use
1700	YNQ	Yes/No Question	O	10		Used
1800	DTM	Date/Time Reference	O	1		Used
1900	XD	Placement/Pull Data	O	1		Used
2100	N1	Party Identification	C	1		Used
2300	L5	Description, Marks and Numbers	O	5		Used
2500	F9	Origin Station	O	1		Used
3000	N9	Extended Reference Information	O	10		Used

N7 Equipment Details

Pos: 1600	Max: 1
Heading - Mandatory	
Loop: N7	Elements: 2

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	M	AN	1/4	Must use

Description: Prefix or alphabetic part of an equipment unit's identifying number

N702	207	Equipment Number	M	AN	1/6	Must use
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Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)

User Note 1: *Limited to 6 for CSXT*

Comments:

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

YNQ Yes/No Question

Pos: 1700	Max: 10
Heading - Optional	
Loop: N7	Elements: 2

User Option (Usage): Used

Purpose: To identify and answer yes and no questions, including the date, time, and comments further qualifying the condition

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>
YNQ01	1321	Condition Indicator	M	ID	2/3	Must use

Description: Code indicating a condition

<u>Code</u>	<u>Name</u>
-------------	-------------

IL	Industry Location
----	-------------------

Description: *Used to denote a weigh request and indicate where the car should be weighed (Industry or Rail Road Scale)*

QQ	Item is a Hazardous Item
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Description: *Used to indicate whether the car specified in the N7 segment contains Hazardous Materials or not.*

YNQ02	1073	Yes/No Condition or Response Code	M	ID	1/1	Must use
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Description: Code indicating a Yes or No condition or response

<u>Code</u>	<u>Name</u>
-------------	-------------

N	No
---	----

Description: Conditions:
When YNQ01 = "IL" -> Weigh Car on Rail Road Scale

When YNQ01 = "QQ" -> Non HazMat

Y	Yes
---	-----

Description: Conditions:
When YNQ01 = "IL" -> Weigh Car on Industry Scale

When YNQ01 = "QQ" -> HazMat

(Will require L503 for STCC and L504 = "T")

Syntax Rules:

1. P0102 - If either YNQ01 or YNQ02 is present, then the other is required.

Semantics:

1. YNQ02 confirms or denies the statement made in YNQ01. A "Y" indicates the statement is confirmed; an "N" indicates the statement is denied.

DTM Date/Time Reference

Pos: 1800	Max: 1
Heading - Optional	
Loop: N7	Elements: 3

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

<u>Code</u>	<u>Name</u>
139	Estimated

User Note 1:

To specify an Estimated Switch Date/Time the customer wants to be switched. The estimated switch date & time can be up to 5 days in the future and cannot be in the past.

DTM02	373	Date	M	DT	8/8	Must use
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Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

DTM03	337	Time	X	TM	4/8	Must use
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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)

User Note 1: *(Time denoted must be Eastern Time)*

Syntax Rules:

1. P010203 - If either DTM01, DTM02 or DTM03 are present, then the others are required.

XD Placement/Pull Data

Pos: 1900	Max: 1
Heading - Optional	
Loop: N7	Elements: 5

User Option (Usage): Used

Purpose: To define the status and positioning of cars within the location

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>
XD01	617	Switch Type Code	O	ID	2/2	Used

Description: Code identifying type of switch movement desired or accomplished

User Note 1: *(If Switch Type Code is blank, car instruction is bypassed.)*

<u>Code</u>	<u>Name</u>
AP	Appropriate Description: <i>Used to indicate a car that will be re-loaded has been emptied</i>
HF	Hold for Forwarding Instructions
IP	Intra-Plant Movement
IT	Intra-Terminal Movement
LD	Load Inventory
NO	Not Ordered
NU	Not Used
OE	Ordered In Error
OS	Car Off Spot
PF	Released Repaired or Cleaned by Private Facility
PL	Place
PU	Pull
RA	Release from Assignment
RD	Re-Load
RJ	Reject Car
RL	Released
RS	Re-Ship
SB	Set Back
SS	Released Load Through Billing Connecting Road
TR	Turn and Re-Spot
WG	Weigh and Return

XD02	310	Location Identifier	C	AN	1/30	Used
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Description: Code which identifies a specific location

User Note 1: *From Track /Spot Information*

track-code(3) - pos 1-3
spot code(2) - pos 4-5
track-name(15) - pos 6-20
spot-name(10) - pos 21-30

User Note 2: Required:

1. IP - Intra-Plant
2. OS - Off-Spot

XD03	310	Location Identifier	C	AN	1/30	Used
------	-----	---------------------	---	----	------	------

Description: Code which identifies a specific location

User Note 1: To Track / Spot Information

track-code(3) - pos 1-3
spot code(2) - pos 4-5
track-name(15) - pos 6-20
spot-name(10) - pos 21-30

User Note 2: Required:

1. *IP - Intra-Plant*
2. *OS - Off-Spot (Spot only required)*
3. *PL - Place (Conditionally required)*

XD04	322	Load/Empty Status Code	M	ID	1/1	Must use
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Description: Code which specifies the loaded condition of transportation equipment
All valid standard codes are used.

XD05	901	Reject Reason Code	C	ID	2/2	Used
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Description: Code assigned by issuer to identify reason for rejection

User Note 1: Required when XD01 = RJ

Code	Name
AB	Air Brakes - Inoperative, etc.
AD	Accident Damage - Derail/Sideswiped
AR	Arrivals
CD	Customer Damage
CW	Wrong Car Type
DC	Dirty with Cement
DD	Doors
DG	Draft Gear - Yoke
DR	Dirty
DS	Defective Safety Devices
IL	Interior Lining
OI	Released from Industry to be Inspected
RF	Refrigeration Unit
RU	Rust
SU	Superstructure - End, Roof and Sides (Body)
TD	Tie Down Devices (Load Restraint)
TR	Truck, S-Frame, Bolster
UF	Underframe - Including Sills
WA	Wheel/Axle

Semantics:

1. XD02 is the Zone, Track, Spot (ZTS) number for the FROM location of the move.
2. XD03 is the Zone, Track, Spot (ZTS) number for the TO location of the move.

N1 Party Identification

Pos: 2100	Max: 1
Heading - Conditional	
Loop: N7	Elements: 4

User Option (Usage): Used

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

<u>Code</u>	<u>Name</u>
16	Plant (Site Name)

Description: *Used for IT switch events - Alternative/To Location*

RR	Railroad (The To Railroad)
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Description: *Can be used for PU or RL switch type events. Required for SS type event - To Railroad.*

N102	93	Name	O	AN	1/60	Used
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Description: Free-form name

User Note 1: *(Limited to 30 for Rail Transactions)*

N103	66	Identification Code Qualifier	M	ID	1/2	Must use
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Description: Code designating the system/method of code structure used for Identification Code (67)

<u>Code</u>	<u>Name</u>
2	Standard Carrier Alpha Code (SCAC)

Description: *Used to identify the Railroad if N101 is "RR".*

25	Carrier's Customer Code
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Description: *Alternative/To Location - CSX Customer Key (milepost) of the location where the car will be switched to. Used if N101 is "16".*

N104	67	Identification Code	M	AN	2/80	Must use
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Description: Code identifying a party or other code

User Note 1: *For IT or PL switch event - 13 byte CSX Customer Key (milepost) of the alternate/to location*

User Note 2: *For PU, RL or SS switch event - Railroad code (SCAC) of the forwarding Railroad*

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.

L5

Description, Marks and Numbers

Pos: 2300	Max: 5
Heading - Optional	
Loop: N7	Elements: 4

User Option (Usage): Used

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>
L501	213	Lading Line Item Number	O	NO	1/3	Used
		Description: Sequential line number for a lading item				
L502	79	Lading Description	O	AN	1/50	Used
		Description: Description of an item as required for rating and billing purposes				
L503	22	Commodity Code	M	AN	1/30	Used
		Description: Code describing a commodity or group of commodities				
		User Note 1: (7 Byte STCC code)				
L504	23	Commodity Code Qualifier	M	ID	1/1	Used
		Description: Code identifying the commodity coding system used for Commodity Code				
		<u>Code</u>		<u>Name</u>		
		T		Standard Transportation Commodity Code (STCC)		

Syntax Rules:

1. P0304 - If either L503 or L504 is present, then the other is required.

Comments:

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

F9 Origin Station

Pos: 2500	Max: 1
Heading - Optional	
Loop: N7	Elements: 2

User Option (Usage): Used
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						
User Note 1: <i>Proper rail station name is required. Limited to 19 bytes.</i>						
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.

Comments:

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

User Note 1:

Segment required only when forwarding to another carrier where more than one connecting location exists.

N9 Extended Reference Information

Pos: 3000	Max: 10
Heading - Optional	
Loop: N7	Elements: 2

User Option (Usage): Used

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

<u>Code</u>	<u>Name</u>
BM	Bill of Lading Number User Note 1: <i>Customer Reference Only, not used by CSX.</i>
CR	Customer Reference Number User Note 1: <i>Customer Reference Only, not used by CSX.</i>
TOC	Type of Comment User Note 1: <i>For customer to add specific car remarks</i>

N902	127	Reference Identification	O	AN	1/50	Used
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

User Note 1: *(Free Form - Allow 35 characters for Car Remarks)*

Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.

Semantics:

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

SE Transaction Set Trailer

Pos: 4600	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:

<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	Number of Included Segments	M	NO	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: 0100	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.

IEA Interchange Control Trailer

Pos: 0200	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						