



KBX Logistics, LLC
Electronic Data Interchange

ASC X12 4010 EDI Implementation Guidelines
410 Rail Carrier Freight Details and Invoice

May 11, 2026

KBX Logistics, LLC Electronic Data Interchange
 Transportation EDI Implementation Standards
 ASC X12 4010 410: Transportation Rail Carrier Freight Details & Invoice

Change Summary

Date	Action	Segment	Segment Description	Element	Description of Change
05/07/2018	Updated	NA	NA	NA	Changed reference of GP to KBX Logistics, LLC
05/11/2026	Updated	L3	Total Weight and Charges	L305 / L307	Changed to Optional

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Electronic Commerce Help Desk – Contact List

<u>Name</u>	<u>Group/Support Area</u>	<u>Phone</u>	<u>Email</u>
EC Help Desk	Electronic Commerce Help Desk	(920) 438-2100	GRPEDIHelpdesk@gapac.com

This document identifies all data elements KBX Logistics, LLC would like our transportation vendors to provide when sending electronic freight invoices (410's). The Georgia-Pacific EDI team handles KBX Logistics' EDI transactions, so you will see Georgia-Pacific referenced below which indicates both KBX Logistics and Georgia-Pacific requirements. Please contact EC Help Desk if you have any questions.

Please notify the EC Help Desk if you do not wish to receive 997's for 410 Transactions

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Transaction Examples:

ST*410*105560001
B3B*20707*PP*20080417*19400*20080502*SCAC*R**L
N9*BM*00304003038994009**20080416*2037
N9*PR*26*SCAC
N7*SC*7139*25980*N*58300*****RR****5507*M****180*128
N8*7196*20080416
F9*45*NAHEOLA*AL*****479111
D9*40*PENNINGTON*AL*****479113
N1*CN*PENNCO WAREHOUSE INC.
N3*6760 HIGHWAY 156
N4*PENNINGTON*AL*36916*US
PER*IC**FX*(205) 654-3086
N1*PF*GEORGIA PACIFIC
N3*P O BOX 105141*FREIGHT PAYABLES
N4*ATLANTA*GA*30348
N1*SH*GEORGIA PACIFIC CORPORATION
N3*NAHEOLA MILL*7530 HIGHWAY 114
N4*PENNINGTON*AL*36916
PER*IC*CLIFF BRYAN*FX*(205) 495-1559
R2*SCAC*S
LX*1
L5*1*TOI,NAP,PAP,STK*2621820*T
L0*1*1*NU*25980*N***1*UNT
L1*1*194.0000*PC*19400**19400
PI*PR*26***SCAC
L3*****19400**19400
SE*27*105560001
GE*1*1410556
IEA*1*000005268

ST*410*903410001
B3B*454048*PP*20180613*486730*20180628*SCAC*R**L
N9*BM*713400**20180608*0905
N9*SI*ARC0128488**20180608*0905
N9*PR*FUEL SCAC 0333/6*ITEM / SUPPLEMENT
N9*PR*FUEL 92000*ENS
N7*OAR*62193*156861*N*66900*****RR****5006*M****178*128***A302
M7*78291/92
N8*715664*20180608
F9*98814*FOUNTAIN*AL*****478763
D9*5131*URBANA*OH*****349560
N1*CN*GP CELLULOSE AMERICA MARKETING
N3*P.O. BOX 40
N4*PERDUE HILL*AL*36470
N1*C1*DAMEWOOD
N3*1570 MUZZY ROAD
N4*URBANA*OH*43078*US
N1*PF*GP CELLULOSE LLC
N3*2373 LENA LANDEGGER HIGHWAY*C/O ALABAMA RIVER CELLULOSE
N4*PERDUE HILL*AL*36470*US
N1*SH*GP CELLULOSE LLC
N3*2373 LENA LANDEGGER HWY, CR 39*P. O. BOX 40

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N4*PERDUE HILL*AL*36470*US
R2*SCAC*S*LINDE
R2*MNBR*1*MONTG
R2*CSXT*2*CINTI
R2*IORY*3
LX*1
L5*1*WOODPULP*2611135*T
L0*1*1*NU*156861*N***1*CLD
L1*1*4612.0000*PC*461200**461200
L1*1*.3000*PM*25530**25530**ENS*****851*DM
PI*PR*0333***FUEL*SCAC*6
L3*****486730**486730
SE*35*903410001

410 Rail Carrier Freight Details and Invoice

Functional Group ID=**IR**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Rail Carrier Freight Details and Invoice Transaction Set (410) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide detailed information of charges associated with a rail movement. The information is provided by a rail carrier and is sent to the freight payer.

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
	020	B3B	Beginning Segment for Carrier's Invoice	M	1		
	040	N9	Reference Identification	O	30		
						500	
M	050	N7	Equipment Details	M	1		
	080	M7	Seal Numbers	O	5		
M	130	N8	Waybill Reference	M	499		
M	140	F9	Origin Station	M	1		
M	150	D9	Destination Station	M	1		
						10	
	160	N1	Name	O	1		
	165	N2	Additional Name Information	O	2		
	170	N3	Address Information	O	2		
	180	N4	Geographic Location	O	1		
	185	PER	Administrative Communications Contact	O	2		
						12	
	370	S1	Stop-off Name	O	1		
	400	R2	Route Information	O	13		
						25	
M	430	LX	Assigned Number	M	1		
M	440	L5	Description, Marks and Numbers	M	15		
						25	
M	460	L0	Line Item – Quantity and Weight	M	1		
M	470	L1	Rate and Charges	M	10		
	480	PI	Price Authority Identification	O	30		
						64	
M	540	L3	Total Weight and Charges	M	1		
M	570	SE	Transaction Set Trailer	M	1		

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Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 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).
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 3/3
M	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

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Segment: **B3B** Beginning Segment for Carrier's Invoice
Position: 020
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To transmit identifying numbers, dates, and other basic data relating to the transaction set
Syntax Notes:
Semantic Notes: 1 B3B03 is the billing date.
 2 B3B05 is the payment due date.
 3 B3B11 defines the currency used in the transaction.
Comments: 1 The B3B09 default value is pounds.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	B3B01	76	Invoice Number Identifying number assigned by issuer	M AN 1/22
M	B3B02	146	Shipment Method of Payment Code identifying payment terms for transportation charges PP = Prepaid	M ID 2/2
M	B3B03	373	Date Invoice date expressed as CCYYMMDD	M DT 8/8
M	B3B04	193	Net Amount Due Total charges to be paid by the receiver of this transaction set expressed in the standard monetary denomination for the currency specified	M N2 1/12
	B3B05	373	Date Due date expressed as CCYYMMDD	O DT 8/8
M	B3B06	140	Standard Carrier Alpha Code Standard Carrier Alpha Code	M ID 2/4
M	B3B07	91	Transportation Method/Type Code Code specifying the method or type of transportation for the shipment Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 1/2
M	B3B08	145	Shipment Identification Number This field will contain the Georgia-Pacific shipment id	O AN 1/30
	B3B11	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified	O ID 3/3

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Segment: **N9** Reference Identification
Position: 040
Loop:
Level:
Usage: Optional
Max Use: 30
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:

- 1 At least one of N902 or N903 is required.
- 2 If N906 is present, then N905 is required.
- 3 If either C04003 or C04004 is present, then the other is required.
- 4 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

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

Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N901	128	Reference Identification Qualifier	M ID 2/3
			BM = Bill of lading number PR = Price Quote Number	
M	N902	127	Reference Identification	X AN 1/30
			For qualifier BM it will be the Georgia-Pacific bill of lading number For qualifier PR it will be the price quote number.	
	N903	369	Free-form Description	X AN 1/45
			Free-form descriptive text	
	N904	373	Date	O DT 8/8
			Bill of lading date expressed as CCYYMMDD	

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- Segment:** **N7** **Equipment Details**
- Position:** 050
- Loop:** N7 Mandatory
- Level:**
- Usage:** Mandatory
- Max Use:** 1
- Purpose:** To identify the equipment
- Syntax Notes:**
- 1 If either N703 or N704 is present, then the other is required.
 - 2 If either N705 or N716 is present, then the other is required.
 - 3 If either N708 or N709 is present, then the other is required.
- Semantic Notes:**
- 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.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
N701	206	Equipment Initial Prefix or alphabetic part of an equipment unit's identifying number	O AN 1/4
M	N702	207 Equipment Number Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred) Refer to 004010 Data Element Dictionary for acceptable code values.	M AN 1/10
N711	40	Equipment Description Code Code identifying type of equipment used for shipment	O ID 2/2
N712	140	Standard Carrier Alpha Code Standard Carrier Alpha Code	O ID 2/4
N715	567	Equipment Length Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)	O N0 4/5

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Segment: **M7** Seal Numbers
Position: 080
Loop: N7 Mandatory
Level:
Usage: Optional
Max Use: 5
Purpose: To record seal numbers used and the organization that applied the seals
Syntax Notes:
Semantic Notes:
Comments: 1 M705 indicates the name of the organization which applied the seal(s).

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	M701	225	Seal Number Unique number on seal used to close a shipment	M AN 2/15

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- Segment:** **N8** Waybill Reference
- Position:** 130
- Loop:**
- Level:**
- Usage:** Mandatory
- Max Use:** 499
- Purpose:** To identify the waybill and to specify the equipment used and the destination details
- Syntax Notes:**
- 1 If any of N803 N804 or N805 is present, then all are required.
 - 2 If either N806 or N807 is present, then the other is required.
 - 3 If either N808 or N809 is present, then the other is required.
 - 4 If either N810 or N811 is present, then the other is required.
- Semantic Notes:**
- 1 N802 is the waybill date.
 - 2 N808 is the destination station of movement.
 - 3 N810 will contain destination railroad initial Standard Carrier Alpha Code (SCAC).
 - 4 N811 will contain railroad destination Freight Station Accounting Code (FSAC).
- Comments:**
- 1 Waybill type should be transmitted only when the transaction set involves a multiple Car/TOFC/COFC shipment or a conveying flat car. Waybill type should not be sent on a single Car/TOFC/COFC.
 - 2 N807 is the waybill date.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	N801	186	Waybill Number	M N0 1/6
			Carrier accounting number of the waybill for the inbound movement	
M	N802	373	Date	M DT 8/8
			Date expressed as CCYYMMDD	

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Segment: **F9** Origin Station
Position: 140
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To identify the rail origin of the shipment
Syntax Notes:
Semantic Notes:

- 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.

Data Element Summary

	Ref.	Data	Attributes
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	F902	19 City Name Free-form text for city name	M AN 2/30
M	F903	156 State or Province Code Code (Standard State/Province) as defined by appropriate government agency	M ID 2/2

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Segment: **D9** Destination Station
Position: 150
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To identify the rail destination of the shipment
Syntax Notes:
Semantic Notes:

- 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.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	D902	19	City Name Free-form text for city name	M AN 2/30
M	D903	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	M ID 2/2

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- Segment:** **N1** Name
- Position:** 160
- Loop:** N1 Optional
- Level:**
- Usage:** Optional
- Max Use:** 1
- Purpose:** To identify a party by type of organization, name, and code
- Syntax Notes:**
- 1 At least one of N102 or N103 is required.
 - 2 If either N103 or N104 is present, then the other is required.
- Semantic Notes:**
- 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.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	N101	98 Entity Identifier Code CN = Consignee PF = Party to receive freight bill SH = Shipper	M ID 2/3
M	N102	93 Name Free-form name	X AN 1/60
	N103	66 Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67)	X ID 1/2
	N104	67 Identification Code Code identifying a party or other code	X AN 2/80

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Segment: **N2** Additional Name Information
Position: 165
Loop: N1 Optional
Level:
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N201	93	Name Free-form name	M AN 1/60
	N202	93	Name Free-form name	O AN 1/60

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Segment: N3 Address Information
Position: 170
Loop: N1 Optional
Level:
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N301	166	Address Information Address information	M AN 1/55
	N302	166	Address Information Address information	O AN 1/55

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Segment: **N4 Geographic Location**
Position: 180
Loop: N1 Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
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.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
N401	19	City Name	O AN 2/30
		Free-form text for city name	
N402	156	State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
N403	116	Postal Code	O ID 3/15
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
N404	26	Country Code	O ID 2/3
		Code identifying the country	
N405	309	Location Qualifier	X ID 1/2
		Code identifying type of location	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
N406	310	Location Identifier	O AN 1/30
		Code which identifies a specific location	

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Segment: **PER** Administrative Communications Contact
Position: 185
Loop: N1 Optional
Level:
Usage: Optional
Max Use: 2
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:

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

Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PER01	366	Contact Function Code IC = Information contact	M ID 2/2
	PER02	93	Name Free-form name	O AN 1/60
	PER03	365	Communication Number Qualifier TE = Telephone FX = Fax	X ID 2/2
	PER04	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80

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Segment: **S1** Stop-off Name
Position: 370
Loop: S1 Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To identify a stop-off party
Syntax Notes: 1 If either S103 or S104 is present, then the other is required.
Semantic Notes: 1 S105 will contain the railroad initial responsible for this stop.
Comments:

Data Element Summary

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	S101	165 Stop Sequence Number	M N0 1/3
		Identifying number for the specific stop and the sequence in which the stop is to be performed	
M	S102	459 Name (30 Character Format)	M AN 2/30
		Free-form organization name or official title as it should appear for mailing address	
	S103	66 Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
	S104	67 Identification Code	X AN 2/80
		Code identifying a party or other code	
	S105	140 Standard Carrier Alpha Code	O ID 2/4
		Standard Carrier Alpha Code	
M	S106	190 Accomplish Code	M ID 1/1
		A = accomplished	
		P = pending	

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Segment: **R2** Route Information
Position: 400
Loop:
Level:
Usage: Optional
Max Use: 13
Purpose: To specify carrier and routing sequences and details
Syntax Notes: 1 If R208 is present, then R207 is required.
Semantic Notes: 1 R203 is the station or city name at which carriers interchange shipments.
 2 R210 is the billing date.
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	R201	140 Standard Carrier Alpha Code Standard Carrier Alpha Code	M ID 2/4
M	R202	133 Routing Sequence Code S = Origin carrier, Shipper's routing (rail)	M ID 1/2
	R203	19 City Name Free-form text for city name	O AN 2/30
	R206	91 Transportation Method/Type Code Code specifying the method or type of transportation for the shipment	O ID 1/2

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Segment: **LX** Assigned Number
Position: 430
Loop: LX Mandatory
Level:
Usage: Mandatory
Max Use: 1
Purpose: To reference a line number in a transaction set
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	LX01	554	Assigned Number Number assigned for differentiation within a transaction set	M N0 1/6

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Segment: **L5** Description, Marks and Numbers
Position: 440
Loop: LX Mandatory
Level:
Usage: Mandatory
Max Use: 15
Purpose: To specify the line item in terms of description, quantity, packaging, and marks and numbers

Syntax Notes:

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

Semantic Notes:

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

Data Element Summary

<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
L501	213	Lading Line Item Number Sequential line number for a lading item	O N0 1/3
L502	79	Lading Description Description of an item as required for rating and billing purposes	O AN 1/50

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- Segment:** **L0** Line Item - Quantity and Weight
- Position:** 460
- Loop:** L0 Mandatory
- Level:**
- Usage:** Mandatory
- Max Use:** 1
- Purpose:** To specify quantity, weight, volume, and type of service for a line item including applicable "quantity/rate-as" data
- Syntax Notes:**
- 1 If either L002 or L003 is present, then the other is required.
 - 2 If either L004 or L005 is present, then the other is required.
 - 3 If either L006 or L007 is present, then the other is required.
 - 4 If either L008 or L009 is present, then the other is required.
 - 5 If L011 is present, then L004 is required.
 - 6 If either L013 or L015 is present, then the other is required.
- Semantic Notes:**
- 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.

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
L001	213	Lading Line Item Number Sequential line number for a lading item	O N0 1/3
L002	220	Billed/Rated-as Quantity Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81	X R 1/11
L003	221	Billed/Rated-as Qualifier Code identifying the type of quantity or value on which the rate or item pricing is based	X ID 2/2
L004	81	Weight Numeric value of weight	X R 1/10
L005	187	Weight Qualifier Code defining the type of weight	X ID 1/2
L006	183	Volume Value of volumetric measure	X R 1/8
L007	184	Volume Unit Qualifier Code identifying the volume unit	X ID 1/1
L008	80	Lading Quantity Number of units (pieces) of the lading commodity	X N0 1/7
L009	211	Packaging Form Code Code for packaging form of the lading quantity	X ID 3/3

KBX Logistics, LLC Electronic Data Interchange

Transportation EDI Implementation Standards

ASC X12 4010 410: Transportation Rail Carrier Freight Details & Invoice

Segment: **L1** Rate and Charges
Position: 470
Loop: L0 Mandatory
Level:
Usage: Mandatory
Max Use: 10
Purpose: To specify rate and charges detail relative to a line item including freight charges, advances, special charges, and entitlements

Syntax Notes:

- 1 If either L102 or L103 is present, then the other is required.
- 2 At least one of L104 L105 or L106 is required.
- 3 If either L114 or L115 is present, then the other is required.
- 4 If either L117 or L118 is present, then the other is required.

Semantic Notes:

- 1 L119 is the percent used to determine the charge in L104.
- 2 L120, if used, indicates the currency for all monetary amounts in this L1 segment.
- 3 L121 is the origin rated as charge amount.

Comments:

Data Element Summary			
Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
L101	213	Lading Line Item Number Sequential line number for a lading item	O N0 1/3
L102	60	Freight Rate Rate that applies to the specific commodity	X R 1/9
L103	122	Rate/Value Qualifier Code qualifying how to extend charges or interpret value	X ID 2/2
L104	58	Charge For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified	X N2 1/12
L105	191	Advances Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified	X N2 1/9
L106	117	Prepaid Amount Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified Refer to 004010 Data Element Dictionary for acceptable code values.	X N2 1/9
L108	150	Special Charge or Allowance Code Code identifying type of special charge or allowance Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 3/3
L109	121	Rate Class Code Code identifying specifically designated class of goods; Note: For international air shipments, see IATA Resolution 600k	O ID 1/3
L111	16	Charge Method of Payment Code defining method of payment	O ID 1/1
L112	276	Special Charge Description Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150	O AN 2/25

KBX Logistics, LLC Electronic Data Interchange

Transportation EDI Implementation Standards

ASC X12 4010 410: Transportation Rail Carrier Freight Details & Invoice

Segment: **PI** Price Authority Identification
Position: 480
Loop: L0 Optional
Level:
Usage: Optional
Max Use: 30
Purpose: To communicate basis of pricing, such as contract number, quote number, or tariff number

Syntax Notes:
1 If PI14 is present, then PI12 is required.
2 If PI15 is present, then PI13 is required.

Semantic Notes:
1 PI07 is the price authority suffix for the contract.
2 PI08 is the price authority item number.
3 PI09 is the price authority supplement.
4 PI10 is the price authority section number.
5 PI11 is the price authority suffix for tariff.
6 PI12 is the effective date.
7 PI13 is the expiration date.

Comments:

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
O	PI01	128 Reference Identification Qualifier	M ID 2/3
		PR = Price quote number	
O	PI02	127 Reference Identification	M AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
	PI03	436 Primary Publication Authority Code	O ID 2/2
		Code indicating type of external reference	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
	PI04	930 Regulatory Agency Code	O ID 3/5
		Code relating to the regulatory agency governing the price reference	
	PI05	168 Tariff Agency Code	O ID 1/4
		Code defining the tariff bureau or tariff publishing agent that governs the rates applied to this shipment	

KBX Logistics, LLC Electronic Data Interchange

Transportation EDI Implementation Standards

ASC X12 4010 410: Transportation Rail Carrier Freight Details & Invoice

Segment: **L3** Total Weight and Charges
Position: 540
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To specify the total shipment in terms of weight, volume, rates, charges, advances, and prepaid amounts applicable to one or more line items

Syntax Notes:

- 1 If either L301 or L302 is present, then the other is required.
- 2 If either L303 or L304 is present, then the other is required.
- 3 If either L309 or L310 is present, then the other is required.
- 4 If L312 is present, then L301 is required.
- 5 If either L314 or L315 is present, then the other is required.

Semantic Notes: 1 L305 is the total charges.

Comments:

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
L301	81	Weight	X R 1/10
		Numeric value of weight	
L302	187	Weight Qualifier	X ID 1/2
		Code defining the type of weight	
L305	58	Charge	O N0 1/12
		For a line item: freight or special charge; for the total invoice: the total charges expressed in the standard monetary denomination for the currency specified	
L307	117	Prepaid Amount	O N0 1/9
		Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified	
L311	80	Lading Quantity	O N0 1/7
		Number of units (pieces) of the lading commodity	

KBX Logistics, LLC Electronic Data Interchange

Transportation EDI Implementation Standards

ASC X12 4010 410: Transportation Rail Carrier Freight Details & Invoice

Segment: **SE** Transaction Set Trailer

Position: 570

Loop:

Level:

Usage: Mandatory

Max Use: 1

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)

Syntax Notes:

Semantic Notes:

Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96	Number of Included Segments	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
M	SE02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	