

**KBX Technology Solutions, LLC Electronic Data Interchange**

Transportation EDI Implementation Guidelines

ASC X12 4010 210 Freight Invoice

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**Advantage Delivered**

**KBX Technology Solutions, LLC**  
**Electronic Data Interchange**

**ASC X12 4010 EDI Implementation Guidelines**  
**210 Freight Invoice**

**KBX Technology Solutions, LLC Electronic Data Interchange**

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# Change Summary

Date	Action	Segment	Segment Description	Element	Description of Change
2/19/2021	Creation	All	All	All	This document has been created to supersede the previous document for KBX Logistics, LLC and the GPTSPP/GPTSPT/KBXL ISA / GS IDs- (Bruckert)
4/12/2021	Update	L7	Tariff Reference	L7_13 / L7_14 L7_01	Both L7_13 and L7_14 elements have been modified to show as mandatory. We require the distance and distance qualifier to be sent in on at least the first LX Loop's L7. L7_01 is also required.
4/28/2021	Update	L0	Weight and Weight Qualifier	L0_04 and L0_05	L0_04 and L0_05 have been added as Mandatory for the first LX Loop.

# KBX Technology Solutions, LLC Electronic Data Interchange

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## Freight Invoice Requirements

This document identifies all data elements KBX Technology Solutions, LLC would like our transportation carriers to provide when sending electronic Freight Invoices (210s). The KBX Technology Solutions EDI team handles KBX Logistics as well as Georgia Pacific, Flint Hills Resources and other Shipper/3PL EDI transactions.

Please notify the Orderful Help Desk if you do not wish to receive 997's for 210 Transactions.

### Note to Carriers Migrating Freight Invoicing from GPTSPP or KBXL to KBXTECH:

- Contact information has changed from GP EDI to Orderful and KBX Technology Solutions
- GPTSPP, GPTPGP and KBXL connections are still maintained by GP EDI but our intent is that KBXTECH will retire these ISA IDs once all carriers have been migrated.
- A single ISA GS receiver ID (KBXTECH) will be used for **both Test and Production messages**
- ISA\_15 will indicate the destination of the inbound message.
  - Only an ISA\_15 of 'P' will go to the "Live" stream in Orderful and into our Production environment
  - An ISA\_15 of 'T' will route messages ONLY to the "Test" stream in Orderful and can only be sent to our Test environment.
- *Specific to 210s:*
  - *Shipment Identification Number in B3\_03 is changed from Optional to Mandatory*
  - *C3\_01 Currency is changed from Optional to Mandatory*
  - *Reference of 4F has been added as a valid N9 Reference at the header.*
  - *Transportation Method / Type Code R3\_04 changed from Optional to Recommended.*
  - *Recommended use of header N1 segment to provide all 3 of Bill-to, Shipper and Consignee for internal tracking purposes along with their corresponding N3 and N4 segments.*
  - *Country code in N4\_04 changed from Not Used to Used.*
  - *L0\_04 and L0\_05 added as mandatory segments within the first LX loop*
  - *L1\_08 Special Charge or Allowance Code now allows for All valid standard codes to be sent and L1\_01 and L1\_08 have been changed from Optional to Mandatory.*
  - *Both L7\_13 and L7\_14 elements have been modified to show as mandatory. We require the distance and distance qualifier to be sent in on at least the first LX Loop's L7. L7\_01 is also required.*
  - *Code sets have been expanded to allow additional values for the following segments:*

Element	Element Description	Code Set #	Level
B3_10	Date/Time Qualifier	374	Heading
N9_01	Reference Identification	182	Heading
R3_02	Routing Sequence Code	133	Heading
R3_04	Transportation Method/Type Code	91	Heading
N1_01	Entity Identifier Code	98	Heading
N7_11	Equipment Description Code	40	Heading
S5_04	Weight Unit Code	188	Detail
S5_06	Unit or Basis for Measurement Code	355	Detail
S5_08	Volume Unit Qualifier	184	Detail
L0_05	Weight Qualifier	187	Detail
L0_07	Volume Unit Qualifier	184	Detail
L0_09	Packaging Form Code	211	Detail
L0_11	Weight Unit Code	188	Detail
L1_08	Special Charge or Allowance Code	150	Detail
L7_14	Distance Qualifier	295	Detail
L3_02	Weight Qualifier	187	Detail
L3_10	Volume Unit Qualifier	184	Detail

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- Our former EDI Platform may not have thrown errors for certain invalid data outside of tolerance noted in GTSPP or KBXL specifications. In contrast, Orderful’s platform is designed to kick out any invalid data received that is outside the tolerance noted in our KBXTECH specifications.
- Carriers are required to subscribe to notifications in Orderful’s platform.
- Any errored data received in platform will need to be resent correctly to successfully reach KBXTECH.

## Electronic Commerce Help Desk – Contact List

<u>Name</u>	<u>Support Area</u>	<u>Submit Request</u>	<u>E-mail</u>
Orderful Help Center	EDI Connectivity / Orderful Portal / Outage questions	<a href="https://orderful.zendesk.com/hc/en-us/requests/new">https://orderful.zendesk.com/hc/en-us/requests/new</a>	<a href="mailto:Support@Orderful.com">Support@Orderful.com</a>
KBX Technology Solutions	General Onboarding, Completeness and Compliance questions		<a href="mailto:VisibilityOperations@kbxlogistics.com">VisibilityOperations@kbxlogistics.com</a> <a href="mailto:KBXTECHB2Bsupport@kbx.global">KBXTECHB2Bsupport@kbx.global</a>

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# KBX Technology Solutions, LLC Electronic Data Interchange

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## 210

## Motor Carrier Freight Details and Invoice

### Functional Group=IM

This Draft Standard for Trial Use contains the format and establishes the data contents of the Motor Carrier Freight Details and Invoice Transaction Set (210) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide detail information for charges for services rendered by a motor carrier. It is used both as a motor carrier invoice to request payment or as details pertaining to motor freight shipment(s) charges.

#### Segments:

<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			Used
	GS	Functional Group Header	M	1			Used

#### 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
020	B3	Beginning Segment for Carrier's Invoice	M	1			Must use
040	C3	Currency	M	1			Used
060	N9	Reference Identification	O	300			Used
080	R3	Route Information - Motor	R	12			Used
090	H3	Special Handling Instructions	O	6			Used

#### LOOP ID - 0100

10

110	N1	Name	M	1			Used
130	N3	Address Information	O	2			Used
140	N4	Geographic Location	O	1			Used

#### LOOP ID - 0200

10

160	N7	Equipment Details	M	1			Used
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#### Detail:

<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>
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#### LOOP ID - 0300

999

010	S5	Stop Off Details	O	1		N2/010	Used
020	N9	Reference Identification	O	10			Used

#### LOOP ID - 0310

2

050	N1	Name	O	1			Used
070	N3	Address Information	O	2			Used
080	N4	Geographic Location	O	1			Used

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<u>LOOP ID - 0400</u>			<u>9999</u>			
120	LX	Assigned Number	M	1		Used
140	L5	Description, Marks and Numbers	M	30		Used
170	L0	Line Item - Quantity and Weight	O	10		Used
180	L1	Rate and Charges	M	10		Used
200	L7	Tariff Reference	M	10		Used
210	K1	Remarks	O	10		Used

## Summary:

<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	L3	Total Weight and Charges	M	1			Must use
020	SE	Transaction Set Trailer	M	1			Must use

## Segments:

<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			Used
	IEA	Interchange Control Trailer	M	1			Used

## Notes:

2/010 Loops 0300, 0305, 0310 and 0320 shall only be used to identify all stop-off locations and associated data for loading and unloading of freight with the exception of the original stop-off location (shipper) for truckload carriers. The original stop-off location (shipper) shall be transmitted in loop 0100.

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## Segment: **ISA** Interchange Control Header

**Position:** 001

**Loop:**

**Level:**

**Usage:** Mandatory

**Max Use:** 1

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

segments

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

**Notes:**

### Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	ISA01	I01	<b>Authorization Information Qualifier</b> Code to identify the type of information in the Authorization Information 00 No Authorization Information Present (No Meaningful Information in I02)	M ID 2/2
M	ISA02	I02	<b>Authorization Information</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) Spaces	M AN 10/10
M	ISA03	I03	<b>Security Information Qualifier</b> Code to identify the type of information in the Security Information 00 No Security Information Present (No Meaningful Information in I04)	M ID 2/2
M	ISA04	I04	<b>Security Information</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) Spaces	M AN 10/10
M	ISA05	I05	<b>Interchange ID Qualifier</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified Carrier Interchange ID Qualifier	M ID 2/2
M	ISA06	I06	<b>Interchange Sender ID</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 Carrier Interchange ID	M AN 15/15
M	ISA07	I05	<b>Interchange ID Qualifier</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified ZZ Mutually Defined	M ID 2/2
M	ISA08	I07	<b>Interchange Receiver ID</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 <b>KBXTECH for test and production</b>	M AN 15/15
M	ISA09	I08	<b>Interchange Date</b> Date of the interchange YYMMDD	M DT 6/6
M	ISA10	I09	<b>Interchange Time</b> Time of the interchange	M TM 4/4



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			HHMM	
M	ISA11	I10	<b>Interchange Control Standards Identifier</b>	M ID 1/1
			Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer Refer to 004010 Data Element Dictionary for acceptable code values.	
M	ISA12	I11	<b>Interchange Control Version Number</b>	M ID 5/5
			This version number covers the interchange control segments 00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997	
M	ISA13	I12	<b>Interchange Control Number</b>	M N0 9/9
			A control number assigned by the interchange sender	
M	ISA14	I13	<b>Acknowledgment Requested</b>	M ID 1/1
			Code sent by the sender to request an interchange acknowledgment (TA1) <b>Note: This is an informational only field. The value sent in this element alone does not drive the generation of an acknowledgment 997 for any 210 sent. Within Orderful's platform 997s can be turned on or off within the Trading Partner Relationships setting page.</b>	
M	ISA15	I14	<b>Usage Indicator</b>	M ID 1/1
			Code to indicate whether data enclosed by this interchange envelope is test, production or information P Production Data shows "Live" Environment in Orderful T Test Data shows "Test" Environment in Orderful <b>NOTE: An indicator of T will not be passed into our production "Live" environment.</b>	
M	ISA16	I15	<b>Component Element Separator</b>	M AN 1/1
			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	
			>	

# KBX Technology Solutions, LLC Electronic Data Interchange

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**Segment:** **GS** Functional Group Header

**Position:** 002

**Loop:**

**Level:**

**Usage:** Mandatory

**Max Use:** 1

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

**Syntax Notes:**

**Semantic Notes:**

1 GS04 is the group date.

2 GS05 is the group time.

2 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.

## Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	GS01	479	<b>Functional Identifier Code</b>	M ID 2/2
			Code identifying a group of application related transaction sets	
			IM Motor Carrier Freight Details and Invoice	
			(210, 980)	
M	GS02	142	<b>Application Sender's Code</b>	M AN 2/15
			Code identifying party sending transmission; codes agreed to by trading partners	
			Carrier Application ID	
M	GS03	124	<b>Application Receiver's Code</b>	M AN 2/15
			Code identifying party receiving transmission. Codes agreed to by trading partners	
			KBXTECH for test and production	
M	GS04	373	<b>Date</b>	M DT 8/8
			Date expressed as CCYYMMDD	
			CCYYMMDD	
M	GS05	337	<b>Time</b>	M TM 4/8
			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)	
			HHMM	
M	GS06	28	<b>Group Control Number</b>	M N0 1/9
			Assigned number originated and maintained by the sender	
M	GS07	455	<b>Responsible Agency Code</b>	M ID 1/2
			Code used in conjunction with Data Element 480 to identify the issuer of the standard	
			X Accredited Standards Committee X12	
M	GS08	480	<b>Version / Release / Industry Identifier Code</b>	M AN 1/12
			Code indicating the version, release, sub release, 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 sub release, 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	
			<u>Code</u>	<u>Name</u>
			4010	Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997

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## **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.

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## ST Transaction Set Header

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

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> <b>Description:</b> Code uniquely identifying a Transaction Set	M	ID	3/3	Must use				
		<table><tr><td><u>Code</u></td><td><u>Name</u></td></tr><tr><td>210</td><td>Motor Carrier Freight Details and Invoice</td></tr></table>	<u>Code</u>	<u>Name</u>	210	Motor Carrier Freight Details and Invoice				
<u>Code</u>	<u>Name</u>									
210	Motor Carrier Freight Details and Invoice									
ST02	329	<b>Transaction Set Control Number</b> <b>Description:</b> 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	Must use				

### 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).

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## B3

### Beginning Segment for Carrier's Invoice

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 14

To transmit basic data relating to the carrier's invoice

#### 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>						
B302	76	<b>Invoice Number</b> <b>Description:</b> Identifying number assigned by issuer	M	AN	1/22	Must use						
B303	145	<b>Shipment Identification Number</b> <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>User Note 1:</b> Shipment id (SID) from the 204-B204. Must be exact.	O	AN	1/30	Used						
B304	146	<b>Shipment Method of Payment</b> <b>Description:</b> Code identifying payment terms for transportation charges <table border="1" style="margin-left: 40px;"> <thead> <tr> <th><u>Code</u></th> <th><u>Description</u></th> </tr> </thead> <tbody> <tr> <td>CC</td> <td>Collect</td> </tr> <tr> <td>PP</td> <td>Prepaid (by Seller)</td> </tr> </tbody> </table>	<u>Code</u>	<u>Description</u>	CC	Collect	PP	Prepaid (by Seller)	M	ID	2/2	Must use
<u>Code</u>	<u>Description</u>											
CC	Collect											
PP	Prepaid (by Seller)											
B305	188	Weight Unit Code <b>Description:</b> Code specifying the weight unit All valid standard codes are used.	O	ID	1/1	Not used						
B306	373	<b>Date (Invoice Date)</b> <b>Description:</b> Date expressed as CCYYMMDD	M	DT	8/8	Must use						
B307	193	<b>Net Amount Due</b> <b>Description:</b> 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	Must use						
B308	202	Correction Indicator <b>Description:</b> Code used to indicate that the transaction set contains information which corrects previous information All valid standard codes are used.	O	ID	2/2	Not used						
B309	32	<b>Delivery Date</b> <b>Description:</b> Date for delivery of cargo to final consignee or to next mode expressed in format CCYYMMDD	C	DT	8/8	Used						

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**B310**      **374**      **Date/Time Qualifier**      **C**      **ID**      **3/3**      **Used**  
**Description:** Code specifying type of date or time, or both date and time

Code	Description
035	DELIVERED
001	CANCEL AFTER
002	DELIVERY REQUESTED
003	INVOICE
007	EFFECTIVE
010	REQUESTED SHIP
015	PROMOTION START
022	FREIGHT BILL
037	SHIP NOT BEFORE
038	SHIP NO LATER
063	DO NOT DELIVER AFTER
064	DO NOT DELIVER BEFORE
077	REQUESTED FOR DELIVERY (WEEK OF)
095	BILL OF LADING
097	TRANSACTION CREATION
140	ACTUAL
234	SETTLEMENT DATE

**B311**      **140**      **Standard Carrier Alpha Code**      **M**      **ID**      **2/4**      **Must use**  
**Description:** **Must match SCAC code sent on the 204 tender B2\_02**

**B312**      **373**      **Date (Shipped Date)**      **O**      **DT**      **8/8**      **Used**  
**Description:** Date expressed as CCYYMMDD

**Syntax:**

1. B309 P0910 -- If either B309 or B310 are present, then the other is required.

**Semantics:**

1. B306 is the billing date.
2. On collect freight bills the data in B309 will be the actual delivery date. For the shipments invoiced prior to delivery, the B309 will be the estimated date of delivery.

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## C3

## Currency

Pos: 040	Max: 1
Heading – <b>Mandatory</b>	
Loop: N/A	Elements: 4

To specify the currency being used in the 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>
C301	100	<b>Currency Code</b> <b>Description:</b> Code (Standard ISO) for country in whose currency the charges are specified	M	ID	3/3	Must use
C302	280	<b>Exchange Rate</b> <b>Description:</b> Value to be used as a multiplier conversion factor to convert monetary value from one currency to another	O	R	4/10	Used
C303	100	Currency Code <b>Description:</b> Code (Standard ISO) for country in whose currency the charges are specified	O	ID	3/3	Not used
C304	100	Currency Code <b>Description:</b> Code (Standard ISO) for country in whose currency the charges are specified	O	ID	3/3	Not used

### Semantics:

1. C301 is the billing currency.
2. C303 is the payment currency.
3. C304 is the rated currency.

### Comments:

1. Currency is implied by the code for the country in whose currency the monetary amounts are specified.

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## N9

## Reference Identification

Pos: 060	Max: 300
Heading – <b>Recommended</b>	
Loop: N/A	Elements: 2

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	<b>Reference Identification Qualifier</b> <b>Description:</b> Code qualifying the Reference Identification	M	ID	2/3	Must use														
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Description</u></th> </tr> </thead> <tbody> <tr> <td>BM</td> <td>Only required if not sent on the B3</td> </tr> <tr> <td>PO</td> <td>Purchase Order Number</td> </tr> <tr> <td>23</td> <td>Client Number *</td> </tr> <tr> <td>11</td> <td>Account Number *Required if mode is LTL</td> </tr> <tr> <td>19</td> <td>Division Identifier *</td> </tr> <tr> <td>4F</td> <td>Carrier's Assigned Shipper Number * <i>-4F Reference will be sent to a carrier in the 204 from KBXTECH and should be returned on the 210 as it was sent. -Carriers who are not getting a 204 tender from KBXTECH will be instructed on the proper code to be used when sending an EDI 214 message.</i></td> </tr> </tbody> </table>	<u>Code</u>	<u>Description</u>	BM	Only required if not sent on the B3	PO	Purchase Order Number	23	Client Number *	11	Account Number *Required if mode is LTL	19	Division Identifier *	4F	Carrier's Assigned Shipper Number * <i>-4F Reference will be sent to a carrier in the 204 from KBXTECH and should be returned on the 210 as it was sent. -Carriers who are not getting a 204 tender from KBXTECH will be instructed on the proper code to be used when sending an EDI 214 message.</i>				
<u>Code</u>	<u>Description</u>																			
BM	Only required if not sent on the B3																			
PO	Purchase Order Number																			
23	Client Number *																			
11	Account Number *Required if mode is LTL																			
19	Division Identifier *																			
4F	Carrier's Assigned Shipper Number * <i>-4F Reference will be sent to a carrier in the 204 from KBXTECH and should be returned on the 210 as it was sent. -Carriers who are not getting a 204 tender from KBXTECH will be instructed on the proper code to be used when sending an EDI 214 message.</i>																			
		* Special use- Only required when requested by KBX Technology Solutions, LLC or its freight payment affiliates.																		
N902	127	<b>Reference Identification</b> <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M	AN	1/30	Must use														

### Syntax:

1.

### Semantics:

1.



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## R3

### Route Information - Motor

Pos: 080	Max: 12
Heading - Optional	
Loop: N/A	Elements: 3

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>						
R301	140	<b>Standard Carrier Alpha Code</b> <b>Description:</b> Standard Carrier Alpha Code	M	ID	2/4	Must use						
R302	133	<b>Routing Sequence Code</b> <b>Description:</b> Code describing the relationship of a carrier to a specific shipment movement <table border="1"><thead><tr><th><u>Code</u></th><th><u>Description</u></th></tr></thead><tbody><tr><td>O</td><td>Origin Carrier (Air, Motor, or Ocean)</td></tr></tbody></table> <p>All valid standard codes are used.</p>	<u>Code</u>	<u>Description</u>	O	Origin Carrier (Air, Motor, or Ocean)	M	ID	1/2	Must use		
<u>Code</u>	<u>Description</u>											
O	Origin Carrier (Air, Motor, or Ocean)											
R304	91	<b>Transportation Method/Type Code</b> <b>Description:</b> Code specifying the method or type of transportation for the shipment <table border="1"><thead><tr><th><u>Code</u></th><th><u>Description</u></th></tr></thead><tbody><tr><td>M</td><td>Motor (Common Carrier)</td></tr><tr><td>X</td><td>Intermodal (Piggyback)</td></tr></tbody></table> <p>All valid standard codes are used.</p>	<u>Code</u>	<u>Description</u>	M	Motor (Common Carrier)	X	Intermodal (Piggyback)	R	ID	1/2	Used
<u>Code</u>	<u>Description</u>											
M	Motor (Common Carrier)											
X	Intermodal (Piggyback)											

#### Syntax:

1.

#### Semantics:

1.

# H3

## Special Handling Instructions

Pos: 090	Max: 6
Heading - Optional	
Loop: N/A	Elements: 1

To specify special handling instructions in coded or free-form format

**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>
H301	152	<b>Special Handling Code</b>	M	ID	2/3	Used
<p><b>Description:</b> Code specifying special transportation handling instructions All valid standard codes are used.</p>						

**Syntax:**

- 1.

# KBX Technology Solutions, LLC Electronic Data Interchange

Transportation EDI Implementation Guidelines

ASC X12 4010 210 Freight Invoice

## N1

## Name

Pos: 110	Max: 3
Heading – Mandatory	
Loop: 0100	Elements: 4

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> <b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual. <b>All 3 are recommended</b>	M	ID	2/3	Must use								
		<table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>Description</u></th> </tr> </thead> <tbody> <tr> <td>BT</td> <td>Bill-to-Party (Required)</td> </tr> <tr> <td>CN</td> <td>Consignee (Recommended)</td> </tr> <tr> <td>SH</td> <td>Shipper (Recommended use)</td> </tr> </tbody> </table>	<u>Code</u>	<u>Description</u>	BT	Bill-to-Party (Required)	CN	Consignee (Recommended)	SH	Shipper (Recommended use)				
<u>Code</u>	<u>Description</u>													
BT	Bill-to-Party (Required)													
CN	Consignee (Recommended)													
SH	Shipper (Recommended use)													
N102	93	<b>Name</b> <b>Description:</b> Free-form name	M	AN	1/60	Used								
N103	66	<b>Identification Code Qualifier</b> <b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)	C	ID	1/2	Used								
N104	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code	C	AN	2/80	Used								

### Syntax:

1. N103 P0304 -- If either N103 or N104 are present, then the others are 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.

# KBX Technology Solutions, LLC Electronic Data Interchange

Transportation EDI Implementation Guidelines

ASC X12 4010 210 Freight Invoice

## N3

### Address Information

Pos: 130	Max: 2
Heading – Optional /	
<b>Recommended</b>	
Loop: 0100	Elements: 2

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	<b>Address Information</b> <b>Description:</b> Address information	M	AN	1/55	Must use
N302	166	<b>Address Information</b> <b>Description:</b> Address information	O	AN	1/55	Used

# KBX Technology Solutions, LLC Electronic Data Interchange

Transportation EDI Implementation Guidelines

ASC X12 4010 210 Freight Invoice

## N4

## Geographic Location

Pos: 140	Max: 1
Heading – Optional /	
Recommended	
Loop: 0100	Elements: 4

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

### Syntax:

1. If any of N401 or N402 are present, then all are required.

### Comments:

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

# KBX Technology Solutions, LLC Electronic Data Interchange

Transportation EDI Implementation Guidelines

ASC X12 4010 210 Freight Invoice

## N7

## Equipment Details

Pos: 160	Max: 1
Heading - Mandatory	
Loop: 0200	Elements: 24

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> <b>Description:</b> Prefix or alphabetic part of an equipment unit's identifying number	O	AN	1/4	Used				
N702	207	<b>Equipment Number</b> <b>Description:</b> Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	M	AN	1/10	Must use				
N711	40	<b>Equipment Description Code</b> <b>Description:</b> Code identifying type of equipment used for shipment	O	ID	2/2	Used				
		<table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>Description</u></th> </tr> </thead> <tbody> <tr> <td>TL</td> <td>Trailer (not otherwise specified) (Preferred)</td> </tr> </tbody> </table> <p>All valid standard codes are used.</p>	<u>Code</u>	<u>Description</u>	TL	Trailer (not otherwise specified) (Preferred)				
<u>Code</u>	<u>Description</u>									
TL	Trailer (not otherwise specified) (Preferred)									
N715	567	<b>Equipment Length</b> <b>Description:</b> 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	Used				
		<b>User Note 1:</b> For 48' trailer use 4800, 53' trailer use 5300 & for a 57' trailer use 5700.								

### Syntax:

1.

### Semantics:

1.

### Comments:

1. N701 is mandatory for rail transactions.

# KBX Technology Solutions, LLC Electronic Data Interchange

Transportation EDI Implementation Guidelines

ASC X12 4010 210 Freight Invoice

## S5 Stop Off Details

Pos: 010	Max: 1
Detail – Optional	
Loop: 0300	Elements: 8

To specify stop-off detail reference numbers and stop reason

### 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>										
S501	165	<b>Stop Sequence Number</b> <b>Description:</b> Identifying number for the specific stop and the sequence in which the stop is to be performed	M	N0	1/3	Must use										
S502	163	<b>Stop Reason Code</b> <b>Description:</b> Code specifying the reason for the stop <table border="0" style="margin-left: 40px;"> <tr> <td><u>Code</u></td> <td><u>Description</u></td> </tr> <tr> <td>CL</td> <td>Complete</td> </tr> <tr> <td>CU</td> <td>Complete Unload</td> </tr> <tr> <td>PL</td> <td>Part Load</td> </tr> <tr> <td>PU</td> <td>Part Unload</td> </tr> </table>	<u>Code</u>	<u>Description</u>	CL	Complete	CU	Complete Unload	PL	Part Load	PU	Part Unload	M	ID	2/2	Must use
<u>Code</u>	<u>Description</u>															
CL	Complete															
CU	Complete Unload															
PL	Part Load															
PU	Part Unload															
S503	81	<b>Weight</b> <b>Description:</b> Numeric value of weight	C	R	1/10	Used										
S504	188	<b>Weight Unit Code</b> <b>Description:</b> Code specifying the weight unit <table border="0" style="margin-left: 40px;"> <tr> <td><u>Code</u></td> <td><u>Description</u></td> </tr> <tr> <td>L</td> <td>Pounds</td> </tr> </table> <p style="color: red; margin-left: 40px;">All valid standard codes are used.</p>	<u>Code</u>	<u>Description</u>	L	Pounds	C	ID	1/1	Used						
<u>Code</u>	<u>Description</u>															
L	Pounds															
S505	382	<b>Number of Units Shipped</b> <b>Description:</b> Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	C	R	1/10	Used										
S506	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <table border="0" style="margin-left: 40px;"> <tr> <td><u>Code</u></td> <td><u>Description</u></td> </tr> <tr> <td>CA</td> <td>Case</td> </tr> </table> <p style="color: red; margin-left: 40px;">All valid standard codes are used.</p>	<u>Code</u>	<u>Description</u>	CA	Case	C	ID	2/2	Used						
<u>Code</u>	<u>Description</u>															
CA	Case															
S507	183	<b>Volume</b> <b>Description:</b> Value of volumetric measure	C	R	1/8	Used										
S508	184	<b>Volume Unit Qualifier</b> <b>Description:</b> Code identifying the volume unit <table border="0" style="margin-left: 40px;"> <tr> <td><u>Code</u></td> <td><u>Description</u></td> </tr> <tr> <td>E</td> <td>Cubic Feet</td> </tr> </table> <p style="color: red; margin-left: 40px;">All valid standard codes are used.</p>	<u>Code</u>	<u>Description</u>	E	Cubic Feet	C	ID	1/1	Used						
<u>Code</u>	<u>Description</u>															
E	Cubic Feet															

### Syntax:

1. S503 P0304 -- If either S503 or S504 are present, then the others are required.
2. S505 P0506 -- If either S505 or S506 are present, then the others are required.
3. S507 P0708 -- If either S507 or S508 are present, then the others are required.

### Semantics:

1. S5 Loop is only used to provide Intermediate Customer Stop-off Detail

# KBX Technology Solutions, LLC Electronic Data Interchange

Transportation EDI Implementation Guidelines

ASC X12 4010 210 Freight Invoice

## N9

## Reference Identification

Pos: 020	Max: 10
Detail - Optional	
Loop: 0300	Elements: 2

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	<b>Reference Identification Qualifier</b> <b>Description:</b> Code qualifying the Reference Identification	M	ID	2/3	Must use				
		<table><thead><tr><th><u>Code</u></th><th><u>Description</u></th></tr></thead><tbody><tr><td>PO</td><td>Purchase Order Number</td></tr></tbody></table> <i>All valid standard codes are used.</i>	<u>Code</u>	<u>Description</u>	PO	Purchase Order Number				
<u>Code</u>	<u>Description</u>									
PO	Purchase Order Number									
N902	127	<b>Reference Identification</b> <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30	Used				

### Syntax:

1. If any of N901 or N902 are present, then all are required.

### Semantics:

- 1.



# KBX Technology Solutions, LLC Electronic Data Interchange

Transportation EDI Implementation Guidelines

ASC X12 4010 210 Freight Invoice

## N1

## Name

Pos: 050	Max: 1
Detail - Optional	
Loop: 0310	Elements: 2

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> <b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual	M	ID	2/3	Must use				
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Description</u></th> </tr> </thead> <tbody> <tr> <td>IC</td> <td>Intermediate Consignee</td> </tr> </tbody> </table>	<u>Code</u>	<u>Description</u>	IC	Intermediate Consignee				
<u>Code</u>	<u>Description</u>									
IC	Intermediate Consignee									
N102	93	<b>Name</b> <b>Description:</b> Free-form name	C	AN	1/60	Used				
		<b>User Note 1:</b> <i>Name of the customer for the stop-off.</i>								

### Syntax:

1. If any of N101 or N102 are present, then all are required.

### Comments:

- 1.

# KBX Technology Solutions, LLC Electronic Data Interchange

Transportation EDI Implementation Guidelines

ASC X12 4010 210 Freight Invoice

## N3

### Address Information

Pos: 070	Max: 2
Detail - Optional	
Loop: 0310	Elements: 2

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	<b>Address Information</b> Description: Address information	M	AN	1/55	Must use
N302	166	<b>Address Information</b> Description: Address information	O	AN	1/55	Used

# KBX Technology Solutions, LLC Electronic Data Interchange

Transportation EDI Implementation Guidelines

ASC X12 4010 210 Freight Invoice

## N4

## Geographic Location

Pos: 080	Max: 1
Detail - Optional	
Loop: 0310	Elements: 3

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

### Syntax:

1.

### Comments:

1. N403 is required only if city name (N401) is in the U.S., Mexico or Canada.

# KBX Technology Solutions, LLC Electronic Data Interchange

Transportation EDI Implementation Guidelines

ASC X12 4010 210 Freight Invoice

# LX

## Assigned Number

Pos: 120	Max: 1
Detail - Mandatory	
Loop: 0400	Elements: 1

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
<b>Description:</b> Number assigned for differentiation within a transaction set						

# KBX Technology Solutions, LLC Electronic Data Interchange

Transportation EDI Implementation Guidelines

ASC X12 4010 210 Freight Invoice

## L5

### Description, Marks and Numbers

Pos: 140	Max: 30
Detail - Mandatory	
Loop: 0400	Elements: 2

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	<b>Lading Line Item Number</b> <b>Description:</b> Sequential line number for a lading item	M	N0	1/3	Used
L502	79	<b>Lading Description</b> <b>Description:</b> Description of an item as required for rating and billing purposes	M	AN	1/50	Used

#### Syntax:

1.

#### Comments:

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

# KBX Technology Solutions, LLC Electronic Data Interchange

Transportation EDI Implementation Guidelines

ASC X12 4010 210 Freight Invoice

## L0 Line Item - Quantity and Weight

Pos: 170	Max: 10
Detail – Required	
Loop: 0400	Elements: 15

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>						
L001	213	<b>Lading Line Item Number</b> <b>Description:</b> Sequential line number for a lading item	M	N0	1/3	Used						
L004	81	<b>Weight</b> <b>Description:</b> Numeric value of weight	M	R	1/10	Used						
L005	187	<b>Weight Qualifier</b> <b>Description:</b> Code defining the type of weight	M	ID	½	Used						
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Description</u></td> </tr> <tr> <td>B</td> <td>Billed Weight (preferred)</td> </tr> </table> <p>All valid standard codes are used.</p>	<u>Code</u>	<u>Description</u>	B	Billed Weight (preferred)						
<u>Code</u>	<u>Description</u>											
B	Billed Weight (preferred)											
L006	183	<b>Volume</b> <b>Description:</b> Value of volumetric measure	C	R	1/8	Used						
L007	184	<b>Volume Unit Qualifier</b> <b>Description:</b> Code identifying the volume unit	C	ID	1/1	Used						
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Description</u></td> </tr> <tr> <td>E</td> <td>Cubic Feet (preferred)</td> </tr> </table> <p>All valid standard codes are used.</p>	<u>Code</u>	<u>Description</u>	E	Cubic Feet (preferred)						
<u>Code</u>	<u>Description</u>											
E	Cubic Feet (preferred)											
L008	80	<b>Lading Quantity</b> <b>Description:</b> Number of units (pieces) of the lading commodity	C	N0	1/7	Used						
L009	211	<b>Packaging Form Code</b> <b>Description:</b> Code for packaging form of the lading quantity	C	ID	3/3	Used						
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Description</u></td> </tr> <tr> <td>CAS</td> <td>Case (Preferred)</td> </tr> <tr> <td>PCS</td> <td>Pieces (Preferred)</td> </tr> </table> <p>All valid standard codes are used.</p>	<u>Code</u>	<u>Description</u>	CAS	Case (Preferred)	PCS	Pieces (Preferred)				
<u>Code</u>	<u>Description</u>											
CAS	Case (Preferred)											
PCS	Pieces (Preferred)											
L011	188	<b>Weight Unit Code</b> <b>Description:</b> Code specifying the weight unit	C	ID	1/1	Used						
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Description</u></td> </tr> <tr> <td>L</td> <td>Pounds (Preferred)</td> </tr> </table> <p>All valid standard codes are used.</p>	<u>Code</u>	<u>Description</u>	L	Pounds (Preferred)						
<u>Code</u>	<u>Description</u>											
L	Pounds (Preferred)											

### Syntax:

1. L004 P0405 -- If either L004 or L005 are present, then the others are required.
2. L006 P0607 -- If either L006 or L007 are present, then the others are required.
3. L008 P0809 -- If either L008 or L009 are present, then the others are required.
4. L011 C1104 -- If L011 is present, then L004 is required

### Semantics:

1. L008 is the number of handling units of the line item tendered to the carrier.

### Comments:

1. L0 Segment should always be sent with the initial Linehaul charge within the 1<sup>st</sup> LX loop. Subsequent LX loops do not require the L0.

# KBX Technology Solutions, LLC Electronic Data Interchange

Transportation EDI Implementation Guidelines

ASC X12 4010 210 Freight Invoice

## L1 Rate and Charges

Pos: 180	Max: 10
Detail – Mandatory	
Loop: 0400	Elements: 21

To specify rate and charges detail relative to a line item including freight charges, advances, special charges, and entitlements

### 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>
L101	213	<b>Lading Line Item Number</b> <b>Description:</b> Sequential line number for a lading item	<b>M</b>	N0	1/3	Used
L102	60	<b>Freight Rate</b> <b>Description:</b> Rate that applies to the specific commodity	C	R	1/9	Used
L103	122	<b>Rate/Value Qualifier</b> <b>Description:</b> Code qualifying how to extend charges or interpret value All valid standard codes are used.	C	ID	2/2	Used
L104	58	<b>Charge</b> <b>Description:</b> 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	C	N2	1/12	Used
L108	150	<b>Special Charge or Allowance Code</b> <b>Description:</b> Code identifying type of special charge or allowance <i>All valid standard codes are used.</i>	<b>M</b>	ID	3/3	Used
L112	276	<b>Special Charge Description</b> <b>Description:</b> Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150	O	AN	2/25	Used

### Syntax:

1. L102 P0203 -- If either L102 or L103 are present, then the others are required.
- 2.

### Semantics:

- 1.

# KBX Technology Solutions, LLC Electronic Data Interchange

Transportation EDI Implementation Guidelines

ASC X12 4010 210 Freight Invoice

## L7

## Tariff Reference

Pos: 200	Max: 10
Detail – <b>Mandatory</b>	
Loop: 0400	Elements: 16

To reference details of the tariff used to arrive at applicable rates or charge

### 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>								
L701	213	<b>Lading Line Item Number</b> <b>Description:</b> Sequential line number for a lading item	<b>M</b>	N0	1/3	Used								
L702	168	<b>Tariff Agency Code</b> <b>Description:</b> Code defining the tariff bureau or tariff publishing agent that governs the rates applied to this shipment	O	ID	1/4	Used								
L704	172	<b>Tariff Section</b> <b>Description:</b> Number used as an extension of the basic tariff number to identify the rates published within specific sections of the tariff	O	AN	1/2	Used								
L713	294	<b>Tariff Distance</b> <b>Description:</b> Distance on which the rate for a shipment is based <b>User Note 1:</b> <i>This element will contain the total number of miles.</i>	<b>M</b>	N0	1/5	Used								
L714	295	<b>Distance Qualifier</b> <b>Description:</b> Code identifying the distance unit	<b>M</b>	ID	1/1	Used								
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Description</u></th> </tr> </thead> <tbody> <tr> <td>M</td> <td>Miles (Actual) (Preferred)</td> </tr> <tr> <td>T</td> <td>Tariff Miles</td> </tr> <tr> <td>X</td> <td>Maximum Miles</td> </tr> </tbody> </table>	<u>Code</u>	<u>Description</u>	M	Miles (Actual) (Preferred)	T	Tariff Miles	X	Maximum Miles				
<u>Code</u>	<u>Description</u>													
M	Miles (Actual) (Preferred)													
T	Tariff Miles													
X	Maximum Miles													

### Semantics:

- L7\_13 and L7\_14 are both mandatory for at least the first LX Loop's N7.



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## K1

### Remarks

Pos: 210	Max: 10
Detail - Optional	
Loop: 0400	Elements: 2

To transmit information in a free-form format for comment or special instruction

#### 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>
K101	61	<b>Free-Form Message</b> <b>Description:</b> Free-form information	M	AN	1/30	Must use
K102	61	<b>Free-Form Message</b> <b>Description:</b> Free-form information	O	AN	1/30	Used

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## L3

## Total Weight and Charges

Pos: 010	Max: 1
Summary – Mandatory	
Loop: N/A	Elements: 15

To specify the total shipment in terms of weight, volume, rates, charges, advances, and prepaid amounts applicable to one or more line items

### 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>				
L301	81	<b>Weight</b> <b>Description:</b> Numeric value of weight	M	R	1/10	Used				
L302	187	<b>Weight Qualifier</b> <b>Description:</b> Code defining the type of weight	M	ID	1/2	Used				
		<table border="0"> <tr> <td style="text-align: center;"><u>Code</u></td> <td style="text-align: center;"><u>Description</u></td> </tr> <tr> <td style="text-align: center;">B</td> <td style="text-align: center;">Billed Weight (Preferred)</td> </tr> </table> <p>All valid standard codes are used.</p>	<u>Code</u>	<u>Description</u>	B	Billed Weight (Preferred)				
<u>Code</u>	<u>Description</u>									
B	Billed Weight (Preferred)									
L309	183	<b>Volume</b> <b>Description:</b> Value of volumetric measure	C	R	1/8	Used				
L310	184	<b>Volume Unit Qualifier</b> <b>Description:</b> Code identifying the volume unit	C	ID	1/1	Used				
		<table border="0"> <tr> <td style="text-align: center;"><u>Code</u></td> <td style="text-align: center;"><u>Description</u></td> </tr> <tr> <td style="text-align: center;">E</td> <td style="text-align: center;">Cubic Feet (Preferred)</td> </tr> </table> <p>All valid standard codes are used.</p>	<u>Code</u>	<u>Description</u>	E	Cubic Feet (Preferred)				
<u>Code</u>	<u>Description</u>									
E	Cubic Feet (Preferred)									
L311	80	<b>Lading Quantity</b> <b>Description:</b> Number of units (pieces) of the lading commodity	O	N0	1/7	Used				

### Syntax:

1. L301 P0102 -- If either L301 or L302 are present, then the others are required.
2. L309 P0910 -- If either L309 or L310 are present, then the others are required.

### Semantics:

1. L305 is the total charges.

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# SE

## Transaction Set Trailer

Pos: 020	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

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> <b>Description:</b> Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10	Must use
SE02	329	<b>Transaction Set Control Number</b> <b>Description:</b> 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	Must use

### Comments:

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

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# GE

## Functional Group Trailer

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

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> <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	M	N0	1/6	Must use
GE02	28	<b>Group Control Number</b> <b>Description:</b> Assigned number originated and maintained by the sender	M	N0	1/9	Must use

### 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.

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## IEA Interchange Control Trailer

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

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