



Advantage Delivered

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

**ASC X12 4010 EDI Implementation Guidelines
204 Motor Carrier Load Tender**

997 Functional Acknowledgment

KBX Technology Solutions, LLC Electronic Data Interchange

Transportation EDI Implementation Guidelines

ASC X12 4010 204: Motor Carrier Load Tender / 997 Functional Acknowledgement

Change Summary

Date	Action	Segment	Segment Description	Element	Description of Change
3/9/2021	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)
11/29/2022	Update	B2A	Must respond by time for B2A*00	B2A01	This document has been updated to clearly define 990 requirements for carriers
1/30/2023	Update	L11	Extended Reference	L1102	Added acceptable codes
3/13/2023	Update	G61	Contact	All	Updated segment condition
3/13/2023	Update	OID	Order Identification Detail	OID04	Added acceptable codes
3/21/2023	Update	G62	Date Qualifier	G6201	Added acceptable codes to header and body
3/23/2023	Update	G62	Time Qualifier	G6203	Added acceptable codes to header and body
4/25/2023	Update	L3	Total Weight and Charges	L309 & L310	Updated to conditional
1/15/2024	Update	AT8	Volume Unit Qualifier	AT806	Updated to all valid standard codes
1/15/2024	Update	OID	Unit or Basis for Measurement Code	OID08	Updated to all valid standard codes
1/15/2024	Update	L3	Volume Unit Qualifier	L310	Updated to all valid standard codes
1/15/2024	Update	N1	Entity Identifier Code	N101	Added note to indicate that any valid standard code may be sent in the N101 element
5/17/2024	Update	G61	Contact Function code	G6101	Added note to indicate that any valid standard code may be sent in the G6101 element

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Load Tender Requirements

This document identifies all data elements KBX Technology Solutions, LLC will provide to our transportation vendors when sending electronic load tenders (204s). The KBX Technology Solutions, LLC EDI team handles KBX Logistics' EDI transactions, as well as Georgia-Pacific, Flint Hills Resources and other KBX Tech customer freight.

Please contact the KBX Technologies or Orderful Help Desk if you have any questions.

A Note to Carriers Migrating Load Tender from GPTSPP/GPTPGP to KBXTECH:

- Contact information has changed from GP EDI to Orderful and KBX Technology Solutions
- GPTSPP and GPTPGP 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 204s:*
 - *Reference Identification Qualifiers (L11_02) of 4F, URL, EL, 22 have been added to the header level L11 and a note that any valid values in Code Set 128 could be sent in the L11_02.*
 - *Reference Description (L11_03) has been added at the header level to house additional data elements tied to the reference qualifiers BM, URL, EL and 22.*
 - *997 Functional Acknowledgement is required for the Carrier to provide when they receive any of our 204 messages.*
 - *The 997 specification has been added to the bottom of this document rather than being part of a separate document.*
- Our former EDI Platform may not have thrown errors for certain invalid data outside of tolerance noted in GPTSPP or KBXL specifications. In contrast, Orderful's platform is designed 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	https://orderful.zendesk.com/hc/en-us/requests/new	Support@Orderful.com
KBX Technology Solutions	General Onboarding, Completeness and Compliance questions		VisibilityOperations@kboxlogistics.com KBXTECHB2Bsupport@kbox.global

Document Flow - Truckload Operations

204= Load Tender 990=Acceptance/Decline 214=Shipment Status

-----Truck/Trailer not loaded-----

<u>KBX Technology Solutions, LLC</u>		<u>Carrier</u>
204 Original Load Tender Offer B2A*00*LT	→	
	←	997s Functional Acknowledgement
	←	990s Response to Load Tender
	←	214s Delivery Appointments
	←	214s Pick-Up Appointments
204 LT Change: B2A*04*LT	→	
	←	214s Confirmed Delivery Appointments
	←	214s Exceptions – Shipment Status
204 LT Cancel : B2A*01*LT	→	

-----Truck/Trailer is loaded-----

- ← 214s Pick-Up In Transit Status and Position Reporting
- ← 214s Arrival at Pick-Up Location.
- ← 214s Estimated Arrival to Pickup
- ← 214s Carrier Departed Pick-Up Location with Shipment
- ← 214s Estimated Arrival to Delivery
- ← 214s Delivery In Transit Status and Position Reporting
- ← 214s Arrival at Destination
- ← 214s Departed From Delivery

204 Motor Carrier Load Tender

Functional Group ID=**SM**

Introduction:

This Standard contains the format and establishes the data contents of the Motor Carrier Load Tender Transaction Set (204) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set can be used to allow shippers or other interested parties to offer (tender) a shipment to a full load (truckload) motor carrier including detailed scheduling, equipment requirements, commodities, and shipping instructions pertinent to a load tender.

Page No.	Pos No.	Seg ID	Name	Req. Des.	Max Use	Loop Repeat	Notes and Comments
7	001	ISA	Interchange Control Header	M	1		
9	002	GS	Functional Group Header	M	1		
10	010	ST	Transaction Set Header	M	1		
11	020	B2	Beginning Segment for Shipment Information Transaction	M	1		
12	030	B2A	Set Purpose	M	1		
13	080	L11	Business Instruction and Reference Number	M	50		
14	090	G62	Date/Time	M	1		N1
15	100	MS3	Interline Information	M	1		
16	110	AT5	Bill of Lading Handling Requirements	O	6		
17	120	PLD	Pallet Information	O	1		
18	125	LH6	Hazardous Certification	O	6		
19	130	NTE	Note/Special Instruction	O	10		
LOOP ID – 0100						5	N2
20	140	N1	Name	M	1		
21	160	N3	Address Information	X	2		
22	170	N4	Geographic Location	X	1		
23	190	G61	Contact	O	3		
LOOP ID – 0200						10	
24	200	N7	Equipment Details	M	1		
26	210	M7	Seal Numbers	O	2		
LOOP ID – 0300						999	
27	010	S5	Stop Off Details	M	1		
28	020	L11	Business Instructions and Reference Number	M	50		
29	030	G62	Date/Time	M	2		N3
31	040	AT8	Shipment Weight, Packaging and Quantity Data	M	1		N4
32	060	AT5	Bill of Lading Handling Requirements	O	6		
33	063	PLD	Pallet Information	O	1		
34	065	NTE	Note/Special Instruction	O	20		
LOOP ID – 0310						2	
35	070	N1	Name	M	1		N5
36	090	N3	Address Information	M	2		
37	100	N4	Geographic Location	M	1		
38	120	G61	Equipment or Container Owner and Type	O	3		
LOOP ID – 0350						999	N6

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Page No.	Pos No.	Seg ID	Name	Req. Des.	Max Use	Loop Repeat	Notes and Comments							
39	150	OID	Order Identification Detail	M		1								
<table border="1" style="width: 100%;"> <tr> <td colspan="6">LOOP ID – 0360</td> <td>99</td> <td>N7</td> </tr> </table>							LOOP ID – 0360						99	N7
LOOP ID – 0360						99	N7							
40	190	L5	Description, Marks and Letters	M		1								
41	010	L3	Total Weight and Charges	M		1								
42	020	SE	Transaction Set Trailer	M		1								
43	030	GE	Functional Group Trailer	M		1								
44	040	IEA	Interchange Control Number	M		1								

Transaction Set Notes

1. Segment G62 in the header will be used to convey the must-respond-by date and time when responding to a 204 transaction as applicable and also to convey the Trailer Loading plans and actual date and time.
2. Loop 0100 is used to convey name and address detail relative to the bill-to party controlling the freight or other shipment level name and/or address information to include Vessel Name, Shipper, Steamship Company when applicable. It is not to convey ship from or ship to detail which should be handled within loop 0300.
3. Segment G62 will be used in loop 0300, not 0350.
4. Segment AT8 in loop 0300 is intended for the transmitting of total weight, quantity, and volume relative to the specific stop-off.
5. Loop 0310 is used to convey name and address detail relative to the Ship-From and Ship-To as they pertain to the particular stop.
6. Loop 0350 conveys the seller's order level detail.
7. Use the L5 segment in loop 0360 to relay commodity detail.

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 Des.	Data Element	Name	Attributes
M	ISA01	I01	Authorization Information Qualifier 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	Authorization Information 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	Security Information Qualifier 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	Security Information 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	Interchange ID Qualifier 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	Interchange Sender ID 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	Interchange ID Qualifier 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	Interchange Receiver ID 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 KBXTECH for test and production	M AN 15/15
M	ISA09	I08	Interchange Date Date of the interchange YYMMDD	M DT 6/6
M	ISA10	I09	Interchange Time Time of the interchange	M TM 4/4

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HHMM			
M	ISA11	I10	<p>Interchange Control Standards Identifier M ID 1/1</p> <p>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.</p>
M	ISA12	I11	<p>Interchange Control Version Number M ID 5/5</p> <p>This version number covers the interchange control segments</p> <p>00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997</p>
M	ISA13	I12	<p>Interchange Control Number M N0 9/9</p> <p>A control number assigned by the interchange sender</p>
M	ISA14	I13	<p>Acknowledgment Requested M ID 1/1</p> <p>Code sent by the sender to request an interchange acknowledgment (TA1)</p> <p style="color: red;">Note: This is an informational only field. The value sent in this element alone does not drive the generation of an acknowledgment 997.</p>
M	ISA15	I14	<p>Usage Indicator M ID 1/1</p> <p>Code to indicate whether data enclosed by this interchange envelope is test, production or information</p> <p style="color: red;">P Production Data shows "Live" Environment in Orderful T Test Data shows "Test" Environment in Orderful NOTE: An indicator of T will not be passed into the production "Live" environment.</p>
M	ISA16	I15	<p>Component Element Separator M AN 1/1</p> <p>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</p>

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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:

- GS04 is the group date.
- GS05 is the group time.
- 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:

- 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 Element	Name	Attributes
M	GS01	479 Functional Identifier Code Code identifying a group of application related transaction sets SM Transportation Load Tender Request Message (204)	M ID 2/2
M	GS02	142 Application Sender's Code Code identifying party sending transmission; codes agreed to by trading partners Carrier Application ID	M AN 2/15
M	GS03	124 Application Receiver's Code Code identifying party receiving transmission. Codes agreed to by trading partners KBXTECH for test and production	M AN 2/15
M	GS04	373 Date Date expressed as CCYYMMDD CCYYMMDD	M DT 8/8
M	GS05	337 Time 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 TM 4/8
M	GS06	28 Group Control Number Assigned number originated and maintained by the sender	M N0 1/9
M	GS07	455 Responsible Agency Code Code used in conjunction with Data Element 480 to identify the issuer of the standard X Accredited Standards Committee X12	M ID 1/2
M	GS08	480 Version / Release / Industry Identifier Code 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 004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997	M AN 1/12

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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., 204 selects the Motor Carrier Load Tender 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 204 Motor Carrier Load Tender	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: **B2** Beginning Segment for Shipment Information Transaction
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To transmit basic data relating to shipment information
Syntax Notes:
Semantic Notes: 1 B202 contains the Standard Carrier Alpha Code (SCAC) of the carrier that will receive the bill of lading.
Comments: 1 B202 is mandatory for transaction set 204.

Data Element Summary

Ref.	Data Des.	Element	Name	Attributes
M	B202	140	Standard Carrier Alpha Code Standard Carrier Alpha Code Assigned carrier SCAC Code	M ID 2/4
M	B204	145	Shipment Identification Number 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. This Shipment ID MUST be returned on EDI transactions 210, 214 and 990s exactly as sent in 204. The format will change depending on sending location.	M AN 1/30
	B205	188	Weight Unit Code Code specifying the weight unit K Kilograms L Pounds	O ID 1/1
M	B206	146	Shipment Method of Payment Code identifying payment terms for transportation charges CC Collect PP Prepaid (by Seller) TP Third Party Pay	M ID 2/2

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Segment: **B2A** Set Purpose
Position: 030
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To allow for positive identification of transaction set purpose
Syntax Notes:
Semantic Notes:
Comments: Loads may be sent to carrier up to 72 hours in advance of expected ship date
Notes: Examples:
 Original Load Tender - B2A*00*LT
 - Our system will automatically generate an Original (Initial) Load Tender; this 204 is a load tender offer. KBX expects 990s to be returned within 2 hours of the original 204 load tender. Failure to do so could result in you being removed from the load.
 Change to Load Tender - B2A*04*LT
 - If carrier agrees to accept the Load Tender changes no response other than the 997 functional acknowledgment is required.
 - If carrier does not accept the Load Tender changes carrier must call the originator of the EDI message.
 Cancellation of Load Tender - B2A*01*LT
 - Indicates shipment is canceled.
 - No response other than the 997 functional acknowledgment is required.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	B2A01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 00 Original 01 Cancellation 04 Change	M ID 2/2
	B2A02	346	Application Type Code identifying an application LT Load Tender	O ID 2/2

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Segment: **L11** Business Instructions and Reference Number
Position: 080
Loop:
Level: Heading
Usage: Mandatory
Max Use: 50
Purpose: To specify instructions in this business relationship or a reference number
Syntax Notes: 1 If either L1101 or L1102 is present, then the other is required.
Semantic Notes:
Comments: 1 All loads will have a BM.
 2 **Any valid values that are part of Code Set 128 could be sent in the L11_02.**

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	L1101	127	Reference Identification	M AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
M	L1102	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			References of significance and their meanings are below:	
		BM	Bill of Lading Number Note: VICS BOL is 17 characters in length.	
		CMN	Continuous Move Number	
		RZ	Returned Goods Authorization Number	
		SI	Shipper Pickup Number	
		4F	Carrier's Assigned Shipper Number * -4F Reference will be sent to a carrier in the 204 from KBXTECH and should be returned on the corresponding 990, 214, and 210 messages as it was sent.	
		URL	Uniform Resource Locator- static portion of the link (Note: Only Utilized for carriers participating in our eBOL program)	
		EL	Electronic Device Pin Number- dynamic portion of the eBOL program link (the Token)	
		22	Special Charge or Allowance Code (only used for certain customers)	
		UUI	Universal Unique Identifier (UUID) qualifier	
		UNC	United Nations Standard Products and Service Code (UNSPSC) qualifier	
		MHC	Mexico Hazardous Code qualifier	
		MTC	Mexico Tariff Rate qualifier	

NOTE: Any valid values that are part of Code Set 128 could be sent on an outbound 204.

M	L1103	352	Description	M AN 1/80
			A free-form description to clarify the related data elements and their content	

(NOTE: This is used for

- BM Bill of Lading reference as a unique token representing the transaction from our TMS) It is not required to be consumed by our carriers.
- URL and EL references will use the L11_03 for capturing the

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- URL and Token used for our eBOL program.
- For customers requiring rates to be sent to the carrier, a 22 reference type will be used with description field containing the rate with implied decimals)

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Segment: **G62** Date/Time
Position: 090
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To specify pertinent dates and times
Syntax Notes:
Semantic Notes:
Comments: Date Qualifier 64 will only be used on B2A01 Of 16 (Proposal).

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	G6201	432	Date Qualifier Code specifying type of date	M ID 2/2
			07 Effective Date	
			10 Requested Ship Date/Pick-up Date	
			64 Must Respond By	
			69 Scheduled Pick Up Date	
			CL Date Loading Completed	
			EP Earliest Pickup Date	
			LC Date Loading Commenced	
			LP Latest Pickup Date	
			37 Ship Not Before Date (Pickup)	
			38 Ship Not Later Than Date (Pickup)	
			53 Deliver Not Before Date (Delivery)	
			54 Deliver No Later Than Date (Delivery)	
			68 Requested Delivery Date (Delivery)	
			70 Scheduled Delivery Date (Delivery)	
			78 Delivery Appointment Scheduled Date (Delivery)	
M	G6202	373	Date Date expressed as CCYYMMDD	M DT 8/8
M	G6203	176	Time Qualifier Code specifying the reported time	X ID 1/2
			W Effective Time	
			Y Requested Pick-up Time	
			1 Must Respond By	
			I Earliest Requested Pickup Time	
			K Latest Requested Pickup Time	
			U Scheduled Pickup Time	
			A Actual Departure Time	
			EP Earliest Pickup Time	
			LP Latest Pickup Time	
			3 Delivery Appointment Scheduled Time (Delivery)	
			G Earliest Requested Deliver Time (Delivery)	
			L Latest Requested Delivery Time (Delivery)	
			X Scheduled Delivery Time (Delivery)	
			Z Requested Delivery Time (Delivery)	
			ED Earliest Delivery Time (Delivery)	
			LD Latest Delivery Time (Delivery)	
M	G6204	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or	X TM 4/8

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M	G6205	623	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)	O ID 2/2
			Time Code	
			Code identifying the time.	
			LT Local Time	

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Segment: **MS3** Interline Information
Position: 100
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To identify the interline carrier and relevant data
Syntax Notes: 1 MS301, MS302 and MS304 are required.
Semantic Notes: 1 MS301 is the Standard Carrier Alpha Code (SCAC) of the interline carrier.
Comments:
Notes: This segment is used to identify the SCAC and mode of transportation.
All valid values may be sent in the MS303 element.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	MS301	140	Standard Carrier Alpha Code Standard Carrier Alpha Code SCAC	M ID 2/4
M	MS302	133	Routing Sequence Code Code describing the relationship of a carrier to a specific shipment movement B Origin/Delivery Carrier (Any Mode) O Origin Carrier (Air, Motor or Ocean) 1 1 st Carrier After Origin Carrier 2 2 nd Carrier After Origin Carrier 3 3 rd Carrier After Origin Carrier 4 4 th Carrier After Origin Carrier	M ID 1/2
M	MS304	91	Transportation Method/Type Code Code specifying the method or type of transportation for the shipment A Air B Barge CE Customer Pick-up/Customer Expense D Parcel Post FL Flatbed H Customer Pick-up J Motor LT Less Than Trailer Load (LTL) MB Motor (Bulk Carrier) MP Motor (Package Carrier) N Private Vessel O Containerized Ocean R Rail X Intermodal (Piggyback)	M ID 1/2

Segment: **AT5** **Bill of Lading Handling Requirements**
Position: 110
Loop:
Level: Heading
Usage: Optional
Max Use: 6
Purpose: To identify Bill of Lading handling and service requirements
Syntax Notes:
 1 Only one of AT501 or AT503 may be present
 2 Only one of AT502 or AT503 may be present
Semantic Notes:
Comments:
Notes: TOF represents an intermodal move by the carrier.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
AT501	152	Special Handling Code Code specifying special transportation handling instructions TOF Trailer on Flat Car GSS Greater Security Service HZD Hazardous Cargo	X ID 2/3
AT502	560	Special Services Code Code identifying the special service	X ID 2/3
AT503	153	Special Handling Description Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate. 53 FT 102 IN TRAILER 28 FT FLATBED SETS 28 FT 140 IN TRAILER HIGH CUBE 40 FT CONTAINER 48 FT FLATBED TRAILER CURTAIN SIDE HEAVY HAUL HIGH CUBE ROLLER BED ROLL DOOR TRAILER SET	X ID 2/3

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Segment: **PLD** Pallet Information

Position: 120
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify pallet information including quantity, exchange, and weight
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	PLD01	406	Quantity of Pallets Shipped Number of pallets shipped	M N0 1/3

KBX Technology Solutions, LLC Electronic Data Interchange

Transportation EDI Implementation Guidelines

ASC X12 4010 204: Motor Carrier Load Tender / 997 Functional Acknowledgement

Segment: **LH6** Hazardous Certification
Position: 125
Loop:
Level: Heading
Usage: Optional
Max Use: 6
Purpose: To specify the name of the person certifying that the shipment complies with the regulations and/or the actual certification

Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
LH601	93	Name	O AN 1/60
		Free-form name	

KBX Technology Solutions, LLC Electronic Data Interchange

Transportation EDI Implementation Guidelines

ASC X12 4010 204: Motor Carrier Load Tender / 997 Functional Acknowledgement

Segment: **NTE** Note/Special Instruction
Position: 130
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction
Syntax Notes: NTE02 is required.
Semantic Notes:
Comments: 1 The NTE segment permits free-form informational/data.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	NTE02	352	Description A free-form description to clarify the related data elements and their content	M AN 1/80

KBX Technology Solutions, LLC Electronic Data Interchange

Transportation EDI Implementation Guidelines

ASC X12 4010 204: Motor Carrier Load Tender / 997 Functional Acknowledgement

Segment: **N1** Name
Position: 140
Loop: 0100 Mandatory
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 N101 and N102 are required.
Semantic Notes:
Comments:

Notes: Any valid standard codes may be sent on the N101 element.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual BT Bill To Party FV Vessel Name SH Shipper SS Steamship Company	M ID 2/3
M	N102	93	Name Free-form name	M AN 1/60

KBX Technology Solutions, LLC Electronic Data Interchange

Transportation EDI Implementation Guidelines

ASC X12 4010 204: Motor Carrier Load Tender / 997 Functional Acknowledgement

Segment: **N3** Address Information
Position: 160
Loop: 0100 Mandatory
Level: Heading
Usage: Conditional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes: N301 is required.
Semantic Notes:
Comments: Only used for N101 of BT – Bill To Party

Data Element Summary

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

KBX Technology Solutions, LLC Electronic Data Interchange

Transportation EDI Implementation Guidelines

ASC X12 4010 204: Motor Carrier Load Tender / 997 Functional Acknowledgement

Segment: **N4 Geographic Location**
Position: 170
Loop: 0100 Mandatory
Level: Heading
Usage: Conditional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes:
 1 N401, N402 and N403 are required.
 2 N404 is required if country is NOT USA.
Semantic Notes:
Comments: 1 Only used for N101 of BT – Bill To Party

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	N401	19	City Name Free-form text for city name	M AN 2/30
M	N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	M ID 2/2
M	N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks	M ID 3/15
	N404	26	Country Code Code identifying the country	X ID 2/3
		CA	CANADA	
		CAN	CANADA	
		MX	MEXICO	
		MEX	MEXICO	
		US	UNITED STATES OF AMERICA	
		USA	UNITED STATES OF AMERICA	

KBX Technology Solutions, LLC Electronic Data Interchange

Transportation EDI Implementation Guidelines

ASC X12 4010 204: Motor Carrier Load Tender / 997 Functional Acknowledgement

Segment: **G61 Contact**
Position: 190
Loop: 0100 Optional
Level: Heading
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom communications should be directed
Syntax Notes: 1 If either G6103 or G6104 is present, then the other is required.
Semantic Notes:
Comments: 1 G6103 qualifies G6104.
Notes:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	G6101	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named IC Information Contact	M ID 2/2
M	G6102	93	Name Free-form name	M AN 1/60
	G6103	365	Communication Number Qualifier Code identifying the type of communication number EM Electronic Mail (eMail) FX Facsimile TE Telephone	X ID 2/2
	G6104	364	Communication Number Complete communications number including country or area code when applicable or complete eMail address.	X AN 1/80

KBX Technology Solutions, LLC Electronic Data Interchange

Transportation EDI Implementation Guidelines

ASC X12 4010 204: Motor Carrier Load Tender / 997 Functional Acknowledgement

Segment: **N7** **Equipment Details**
Position: 200
Loop: 0200 Mandatory
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To identify the equipment
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
M	N702	207	Equipment Number Sequencing or serial part of an equipment unit's identifying number. The element will be blank if the equipment number is not available.	M AN 1/10
M	N711	40	Equipment Description Code Code identifying type of equipment used for shipment	M ID 2/2
			AF AIR FREIGHT	
			BO BARGE OPEN	
			BR BARGE	
			BX BOXCAR	
			CH CHASSIS	
			CN CONTAINER	
			DD DOUBLE DROP TRAILER	
			FT FLAT BED TRAILER	
			HV HIGH CUBE VAN	
			LU LOAD/UNLOAD DEVICE ON EQUIPEMNT	
			OV OPEN TOP VAN	
			RA FIXED-RACK, FLAT-BED TRAILER	
			RD FIXED-RACK, DOUBLE DROP TRAILER	
			RS FIXED-RACK, SINGLE-DROP TRAILER	
			RT CONTROLLED TEMP TRAILER (REEFER)	
			SD SINGLE-DROP TRAILER	
			ST REMOVABLE SIDE TRAILER	
			TA TRAILER, HEATED/INSULATED/VENTILATED	
			TF TRAILER, DRY FREIGHT	
			TG TRAILER, TANK (GAS)	
			TI TRAILER, INSULATED	
			TJ TRAILER, TANK (CHEMICALS)	
			TK TRAILER, TAN (FOOD GRADE-LIQUID)	
			TL TRAILER (NOT OTHERWISE SPECIFIED)	
			TM TRAILER, INSULATE/VENTILATED	
			TP TRAILER, PNEUMATIC	
			TQ TRAILER, ELECTRIC HEAT	
			TV TRUCK, VAN	
			TW TRAILER, REFRIGERATED	
			VE VESSEL, OCEAN	
M	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) Length of Trailer Format: FFII (F=Feet, I=Inches)	M N0 4/5
M	N720	65	Height	M R 1/8

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Transportation EDI Implementation Guidelines

ASC X12 4010 204: Motor Carrier Load Tender / 997 Functional Acknowledgement

Vertical dimension of an object measured when the object is in the upright position

Height of Trailer

Format: III (I=Inches)

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Transportation EDI Implementation Guidelines

ASC X12 4010 204: Motor Carrier Load Tender / 997 Functional Acknowledgement

Segment: **M7** Seal Numbers
Position: 210
Loop: 0200 Mandatory
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To record seal numbers used and the organization that applied the seals
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref.	Data		Attributes
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	M701	225	Seal Number Unique number on seal used to close a shipment	M AN 2/15
	M702	225	Seal Number Unique number on seal used to close a shipment	O AN 2/15
	M703	225	Seal Number Unique number on seal used to close a shipment	O AN 2/15
	M704	225	Seal Number Unique number on seal used to close a shipment	O AN 2/15

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Transportation EDI Implementation Guidelines

ASC X12 4010 204: Motor Carrier Load Tender / 997 Functional Acknowledgement

Segment: **S5** Stop Off Details
Position: 010
Loop: 0300 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify stop-off detail reference numbers and stop reason
Syntax Notes:
Semantic Notes:
Comments:
Notes: Stop sequence numbering scheme is 1, 2, 3, etc. to 999 where the initial pickup stop is always 1.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	S501	165	Stop Sequence Number Identifying number for the specific stop and the sequence in which the stop is to be performed	M N0 1/3
M	S502	163	Stop Reason Code Code specifying the reason for the stop CL Complete Load CU Complete Unload PL Part Load PU Part Unload	M ID 2/2

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Transportation EDI Implementation Guidelines

ASC X12 4010 204: Motor Carrier Load Tender / 997 Functional Acknowledgement

Segment: **L11** Business Instructions and Reference Number
Position: 020
Loop: 0300 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 50
Purpose: To specify instructions in this business relationship or a reference number
Syntax Notes:

- 1 L1101 is required.
- 2 If either L1101 or L1102 is present, then the other is required.

Semantic Notes:

Comments:

Notes: Must provide internal Delivery Number(s) (Order) on inbound 214
Customer PO Number(s) is optional on 210.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	L1101	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
M	L1102	128	Reference Identification Qualifier Code qualifying the Reference Identification PO is the customer's purchase order number VN is our internal delivery number and is used on all 204's	M ID 2/3
			CO Customer order#	
			IL Internal order#	
			PO Purchase Order Number	
			SI Shippers identifying#	
			VN Vendor Order Number	

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Transportation EDI Implementation Guidelines

ASC X12 4010 204: Motor Carrier Load Tender / 997 Functional Acknowledgement

Segment: **G62** Date/Time
Position: 030
Loop: 0300 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 2
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 G6201 is required.
- 2 If either G6201 or G6202 is present, then the other is required.
- 3 If either G6203 or G6204 is present, then the other is required.

Semantic Notes:

Comments:

Notes:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	G6201	432	Date Qualifier Code specifying type of date Pickup:	M ID 2/2
			10 Requested Ship Date/Pick-up Date	
			37 Ship Not Before Date	
			CL Date Loading Completed	
			EP Earliest Pickup Date	
			LP Latest Pickup Date	
			CL Date Loading Completed	
			LC Date Loading Commenced	
			07 Effective Date	
			64 Must Respond By	
			69 Scheduled Pickup Date	
			Delivery:	
			53 Deliver Not Before Date	
			54 Deliver No Later Than Date	
			68 Requested Delivery Date	
			70 Scheduled Delivery Date	
			78 Delivery Appointment Scheduled Date	
M	G6202	373	Date Date expressed as CCYYMMDD	M DT 8/8
	G6203	176	Time Qualifier Code specifying the reported time Pickup:	X ID 1/2
			I Earliest Requested Pickup Time	
			K Latest Requested Pickup Time	
			U Scheduled Pickup Time	
			Y Requested Pickup Time	
			A Actual Departure Time	
			W Effective Time	
			1 Must Respond By	
			EP Earliest Pick-up Time	
			LP Latest Pick-up Time	

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Transportation EDI Implementation Guidelines

ASC X12 4010 204: Motor Carrier Load Tender / 997 Functional Acknowledgement

Delivery:

3	Delivery Appointment Scheduled Time
G	Earliest Requested Deliver Time
L	Latest Requested Delivery Time
X	Scheduled Delivery Time
Z	Requested Delivery Time
ED	Earliest Delivery Time
LD	Latest Delivery Time

G6204	337	Time	X	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)		
G6205	623	Time Code	O	ID 2/2
		Code identifying the time		
		LT		Local Time

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Transportation EDI Implementation Guidelines

ASC X12 4010 204: Motor Carrier Load Tender / 997 Functional Acknowledgement

- Segment:** **AT8** Shipment Weight, Packaging and Quantity Data
- Position:** 040
- Loop:** 0300 Mandatory
- Level:** Detail
- Usage:** Mandatory
- Max Use:** 1
- Purpose:** To specify shipment details in terms of weight, and quantity of handling units
- Syntax Notes:**
- 1 If any of AT801 AT802 or AT803 is present, then all are required.
 - 2 If either AT806 or AT807 is present, then the other is required.
- Semantic Notes:**
- 1 AT804 is the quantity of handling units that are not unitized (for example a carton). When added to the quantity in AT805, it is the total quantity of handling units in the shipment.
 - 2 AT805 is the quantity of handling units that are unitized (for example on a pallet or slip sheet). When added to the quantity in AT804 it is the total quantity of handling units for the shipment.
- Comments:**

Data Element Summary			
Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
AT801	187	Weight Qualifier Code defining the type of weight G Gross Weight	X ID 1/2
AT802	188	Weight Unit Code Code specifying the weight unit K Kilograms L Pounds	X ID 1/1
AT803	81	Weight Numeric value of weight Total Weight at stop off.	X R 1/10
AT804	80	Lading Quantity Number of units (pieces) of the lading commodity This is the number of non-unitized shipping units (e.g. cartons).	O NO 1/7
AT805	80	Lading Quantity Number of units (pieces) of the lading commodity This is the number of unitized shipping units (e.g. a full pallet that counts as one unit).	O NO 1/7
AT806	184	Volume Unit Qualifier Code identifying the volume unit All valid standard codes are used.	X ID 1/1
AT807	183	Volume Value of volumetric measure	X R 1/8

Segment: **AT5** **Bill of Lading Handling Requirements**
Position: 060
Loop: 0300 Mandatory
Level: Detail
Usage: Optional
Max Use: 6
Purpose: To identify Bill of Lading handling and service requirements
Syntax Notes:
 1 Only one of AT501 or AT503 may be present.
 2 Only one of AT502 or AT503 may be present.

Semantic Notes:
Comments:
Notes:

1. Special handling and/or services unique to stop off.
 2. Will use the code 'ZZZ' in the AT501 element. ZZZ = Carrier Confirm Delivery Appointment.
 3. Will use the code 'ZZ' in the AT502 element. ZZ= Carrier Call for Delivery Appointment.

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
AT501	152	Special Handling Code Code specifying special transportation handling instructions	X ID 2/3
		761 Written Proof of Delivery	
		DRO Drop-Off Delivery	
		EXT Extra Labor	
		Carrier must supply additional labor	
		LD Loading Devices (liftgate/pallet jack required)	
		OTD Time of Delivery and Signature Required	
		ZZZ Mutually Defined	
		RO Rush Order	
AT502	560	Special Services Code Code identifying the special service	X ID 2/10
		ZZ Carrier Call for Delivery Appointment	
		C1 Shipper Load and Count	
		C2 Carrier Load and Count	
		CC Carrier Unload	
		CU Consignee Unload	
		D0031 Driver Assisted Unloading	
		ID Inside Delivery	
		LI Shipper Load, Carrier Count	
AT503	153	Special Handling Description Free-form description of special handling instructions Used to communicate time restrictions associated with the AT5-01 of 'ZZZ' and the AT5-02 of 'ZZ'. i.e. Confirm appt 48 hr in advance Call for appt 24 hr in advance Schedule appt 48 hr in advance Please call to schedule appt	X AN 2/30
		Used to communicate loading devices associated with the AT5-01 or 'LD'. i.e. Pallet jack Required Lift Gate Required Pallet Jack/Lift Gate Required	

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Segment: **PLD** Pallet Information
Position: 063
Loop: 0300 Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify pallet information including quantity, exchange, and weight
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	PLD01	406	Quantity of Pallets Shipped Number of pallets shipped	M N0 1/3

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ASC X12 4010 204: Motor Carrier Load Tender / 997 Functional Acknowledgement

Segment: **NTE** Note/Special Instruction
Position: 065
Loop: 0300 Mandatory
Level: Detail
Usage: Optional
Max Use: 20
Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction

Syntax Notes:

Semantic Notes:

Comments: 1 The NTE segment permits free-form informational/data.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	NTE02	352	Description A free-form description to clarify the related data elements and their content	M AN 1/80

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ASC X12 4010 204: Motor Carrier Load Tender / 997 Functional Acknowledgement

Segment: **N1** Name
Position: 070
Loop: 0310 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 N101 and N102 are required.
 2If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments:
Notes: Ship-From identifies the Pickup point.
 Ship-To identifies the Delivery point.
Any valid standard codes may be sent on the N101 element.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual SF Ship From ST Ship To	M ID 2/3
M	N102	93 Name Free-form name	M AN 1/60
M	N103	66 Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) The ID code qualifier will be defined only if this location is assigned a location code. 93 Code assigned by the organization originating the transaction set	M ID 1/2
M	N104	67 Identification Code Code identifying a party or other code Location code.	M AN 2/80

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ASC X12 4010 204: Motor Carrier Load Tender / 997 Functional Acknowledgement

Segment: N3 Address Information
Position: 090
Loop: 0310 Mandatory
Level: Detail
Usage: Mandatory
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
			Ship From/Ship To Address	
	N302	166	Address Information Address information	O AN 1/55
			Additional Ship From/Ship To Address	

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ASC X12 4010 204: Motor Carrier Load Tender / 997 Functional Acknowledgement

Segment: **N4 Geographic Location**
Position: 100
Loop: 0310 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 N401, N402, and N403 required.
 2 N404 is required if the country is NOT USA.

Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	N401	19	City Name Free-form text for city name	M AN 2/30
M	N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	M ID 2/2
M	N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks	M ID 3/15
	N404	26	Country Code Code identifying the country	X ID 2/3
			CA CANADA	
			CAN CANADA	
			MX MEXICO	
			MEX MEXICO	
			US UNITED STATES OF AMERICA	
			USA UNITED STATES OF AMERICA	

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Transportation EDI Implementation Guidelines

ASC X12 4010 204: Motor Carrier Load Tender / 997 Functional Acknowledgement

Segment: **G61** Contact
Position: 120
Loop: 0310 Optional
Level: Detail
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom communications should be directed
Syntax Notes: 1 If either G6103 or G6104 is present, then the other is required.
Semantic Notes:
Comments: 1 G6103 qualifies G6104.
Notes: Any valid standard codes may be sent on the G6101 element.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	G6101	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named IC Information Contact	M ID 2/2
M	G6102	93	Name Free-form name	M AN 1/60
	G6103	365	Communication Number Qualifier Code identifying the type of communication number EM Electronic Mail (eMail) FX Facsimile TE Telephone	X ID 2/2
	G6104	364	Communication Number Complete communications number including country or area code when applicable or complete eMail address.	X AN 1/80

Segment: **OID** Order Identification Detail
Position: 150
Loop: 0350 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify order identification detail
Syntax Notes: 1 OID02, OID04, OID05, OID06, OID07, OID08 and OID09 are required.
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	OID02	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser	M AN 1/22
M	OID04	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.	M ID 2/2
M	OID05	380	Quantity Numeric value of quantity Total Quantity for PO.	M R 1/15
M	OID06	188	Weight Unit Code Code specifying the weight unit K Kilograms L Pounds	M ID 1/1
M	OID07	81	Weight Numeric value of weight Total Weight for PO.	M R 1/10
M	OID08	184	Volume Unit Qualifier Code identifying the volume unit	M ID 1/1

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M	OID09	183	Volume Value of volumetric measure Total Volume for PO.	M R 1/8
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Transportation EDI Implementation Guidelines

ASC X12 4010 204: Motor Carrier Load Tender / 997 Functional Acknowledgement

Segment: **L5** Description, Marks and Numbers
Position: 190
Loop: 0320 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify the line item in terms of description, quantity, packaging, and marks and numbers

Syntax Notes:

Semantic Notes:

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

Data Element Summary

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

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ASC X12 4010 204: Motor Carrier Load Tender / 997 Functional Acknowledgement

Segment: **L3** Total Weight and Charges
Position: 010
Loop:
Level: Summary
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 L301, L302, L311 AND L312 are required.
Semantic Notes: If either L309 or L310 is present, then the other is required.

Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	L301	81	Weight Numeric value of weight Total Weight for Shipment.	M R 1/10
M	L302	187	Weight Qualifier Code defining the type of weight G Gross Weight	M ID 1/2
	L309	183	Volume Value of volumetric measure Total Volume	X R 1/8
	L310	184	Volume Unit Qualifier Code identifying the volume unit All valid standard codes are used.	X ID 1/1
M	L311	80	Lading Quantity Number of units (pieces) of the lading commodity	M N0 1/7
M	L312	188	Weight Unit Code Code specifying the weight unit K Kilograms L Pounds	M ID 1/1

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ASC X12 4010 204: Motor Carrier Load Tender / 997 Functional Acknowledgement

Segment: **SE** Transaction Set Trailer
Position: 020
Loop:
Level: Summary
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 Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
M	SE02	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

KBX Technology Solutions, LLC Electronic Data Interchange

Transportation EDI Implementation Guidelines

ASC X12 4010 204: Motor Carrier Load Tender / 997 Functional Acknowledgement

- Segment:** **GE** Functional Group Trailer
- Position:** 030
- Loop:**
- Level:** Summary
- Usage:** Mandatory
- Max Use:** 1
- Purpose:** To indicate the end of a functional group and to provide control information
- Syntax Notes:**
- Semantic Notes:** 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.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	GE01	97	Number of Transaction Sets Included 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
M	GE02	28	Group Control Number Assigned number originated and maintained by the sender	M N0 1/9

KBX Technology Solutions, LLC Electronic Data Interchange

Transportation EDI Implementation Guidelines

ASC X12 4010 204: Motor Carrier Load Tender / 997 Functional Acknowledgement

Segment: **IEA** Interchange Control Trailer
Position: 040
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To define the end of an interchange of zero or more functional groups and interchange-related control segments

Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	IEA01	I16	Number of Included Functional Groups A count of the number of functional groups included in an interchange	M N0 1/5
M	IEA02	I12	Interchange Control Number A control number assigned by the interchange sender	M N0 9/9

997 Transaction Structure

Pos. No.	Seg. ID	Name	Max.Use	Loop Repeat
001	ISA	Interchange Control Header	1	
002	GS	Functional Group Header	1	
010	ST	Transaction Set Header	1	
020	AK1	Functional Group Response Header	1	
		LOOP ID - AK2		999999
030	AK2	Transaction Set Response Header	1	
		LOOP ID - AK3		999999
040	AK3	Data Segment Note	1	
050	AK4	Data Element Note	99	
060	AK5	Transaction Set Response Trailer	1	
070	AK9	Functional Group Response Trailer	1	
080	SE	Transaction Set Trailer	1	
090	GE	Functional Group Trailer	1	
100	IEA	Interchange Control Trailer	1	

NOTES:

- A. 997 Functional Acknowledgments must be generated and sent within one hour of receipt of Load Tender (204).**
- B. 997 Functional Acknowledgments are required in response to all transactions received.**
- C. All 997 Functional Acknowledgments must report acknowledgments at the Transaction Set level.**

ISA Interchange Control Header

Position:
Loop:
Level: Header
Usage: Mandatory
Max Use: 1
Notes:

Data Element Summary			
Ref. Des.	Data Element	Name	Attributes
ISA01	I01	Authorization Information Qualifier	ID 2/2
		00 = No Authorization Information Present	
ISA02	I02	Authorization Information	AN 10/10
		Spaces	
ISA03	I03	Security Information Qualifier	ID 2/2
		00 = No Security Information Present	
ISA04	I04	Security Information	AN 10/10
		Spaces	
ISA05	I05	Interchange ID Qualifier	ID 2/2
		ZZ = Mutually Defined	
ISA06	I06	Interchange Sender ID	AN 15/15
		KBXTECH for test and production	
ISA 07	I05	Interchange ID Qualifier	ID 2/2
		Carrier Interchange ID Qualifier	
ISA08	I07	Interchange Receiver ID	AN 15/15
		Carrier Interchange ID	
ISA09	I08	Interchange Date	DT 6/6
		YYMMDD	
ISA10	I09	Interchange Time	TM 4/4
		HHMM	
ISA11	I10	Interchange Control Standards Identifier	ID 1/1
		U = U.S. EDI Community of ASC X12, TDCC, and UCS	
ISA12	I11	Interchange Control Version Number	ID 5/5
		00400	
ISA13	I12	Interchange Control Number	N0 9/9
ISA14	I13	Acknowledgment Requested	ID 1/1
		0 = No Acknowledgment Requested	
ISA15	I14	Usage Indicator	ID 1/1
		P= Production Data shows "Live" Environment in Orderful	
		T= Test Data shows "Test" Environment in Orderful	
		NOTE: An indicator of T will not be passed into our "Live" environment.	
ISA16	I15	Component Element Separator	1/1
		>	

GS Functional Group Header

Position:
Loop:
Level: Header
Usage: Mandatory
Max Use: 1

Data Element Summary

<u>Attributes</u>	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	
	GS01	479	Functional Identifier Code	ID 2/2
			FA=Functional Acknowledgment	
	GS02	142	Application Sender's Code	AN 2/15
			KBXTECH for Test and Production	
	GS03	124	Application Receiver's Code	AN 2/15
			Carrier Interchange ID	
	GS04	373	Group Date	DT 8/8
			CCYYMMDD	
	GS05	337	Group Time	TM 4/8
			HHMM	
	GS06	28	Group Control Number	NO 1/9
	GS07	455	Responsible Agency Code	ID 1/2
			X = Accredited Standards Committee X12	
	GS08	480	Version/Release/Industry ID Code	AN 1/12
			004010	

ST Transaction Set Header

Position: 010
Loop:
Level: Header
Usage: Mandatory
Max Use: 1

Data Element Summary

<u>Attributes</u>	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	
	ST01	143	Transaction Set Identifier Code	ID 3/3
			997 Functional Acknowledgment	
	ST02	329	Transaction Set Control Number	AN 4/9

AK1 Functional Group Response Header

Position: 020
Loop:
Level: Header
Usage: Mandatory
Max Use: 1

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
AK101	479	Functional Identifier Code	ID 2/2
		Functional identifier code from the functional group being acknowledged.	
AK102	28	Group Control Number	N0 1/9
		Control number obtained from GS06 in originating functional group being acknowledged.	

AK2 Transaction Set Response Header

Position: 030
Loop: AK2 Optional
Level: Header
Usage: Optional
Max Use: 1
Notes: Acknowledgment is required at the transaction level.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
AK201	143	Transaction Set Identifier Code	ID 3/3
		Transaction set number from the transaction set being acknowledged.	
AK202	329	Transaction Set Control Number	AN 4/9
		Control number obtained from ST02 in originating transaction set being acknowledged.	

AK3 Data Segment Note

Position: 040
Loop: AK3 Optional
Level: Header
Usage: Optional
Max Use: 1
Notes: Used only if a segment in a transaction set contains errors.

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
AK301	721	Segment ID Code	ID 2/3
		Segment ID of segment containing the error.	
AK302	719	Segment Position in Transaction Set	N0 1/6
		Relative position of segment in transaction set.	
AK304	720	Segment Syntax Error Code	ID 1/3
		Any 8 codes defined in table 720.	

AK4 Data Element Note

Position: 050
Loop: AK3 Optional
Level: Header
Usage: Optional
Max Use: 99
Notes: Used only if a segment in a transaction set contains errors.

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
AK401	C030	Position in Segment	
	C03001	722 Element Position in Segment	N0 1/2
		Relative position of erroneous data element within segment.	
AK403	723	Data Element Syntax Error Code	ID 1/3
		Any of the 10 codes defined in table 723.	

AK5 Transaction Set Response Trailer

Position: 060
Loop: AK2 Mandatory
Level:
Usage: Mandatory
Max Use: 1

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
AK501	717	Transaction Set Acknowledgment Code Any code defined in table 717.	ID 1/1
AK502	718	Transaction Set Syntax Error Code Any code defined in table 718.	ID 1/3

AK9 Functional Group Response Trailer

Position: 070
Loop:
Level:
Usage: Mandatory
Max Use: 1

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
AK901	715	Functional Group Acknowledge Code Any code defined in table 715.	ID 1/1
AK902	97	Number of Transaction Sets Included	N0 1/6
AK903	123	Number of Received Transaction Sets	N0 1/6
AK904	2	Number of Accepted Transaction Sets	N0 1/6
AK905	716	Functional Group Syntax Error Code Any code defined in table 716.	ID 1/3

SE Transaction Set Trailer

Position: 080
Loop:
Level:
Usage: Mandatory
Max Use: 1

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
SE01	96	Number of Included Segments	N0 1/10
SE02	329	Transaction Set Control Number	AN 4/9

GE Functional Group Trailer

Position:
Loop:
Level:
Usage: Mandatory
Max Use: 1

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
GE01	97	Number of Transaction Sets Included	N0 1/6
GE02	28	Group Control Number	N0 1/9

IEA Interchange Control Trailer

Position:
Loop:
Level:
Usage: Mandatory
Max Use: 1

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
IEA01	I16	Number of Included Functional Groups	N0 1/5
IEA02	I12	Interchange Control Number	N0 9/9