



Electronic Data Interchange

210 – Motor Carrier Details and Invoice

(Version - 4010)

August 2016

Purpose

This document provides detailed guidelines and conventions for implementing the Motor Carrier Details and Invoice with Boscov's Department Store, LLC. Our carrier trading partners must comply with these guidelines in order to transmit this transaction. Our 210 Version 4010, as detailed in this document, will provide us with all of the information necessary support the shipping process.

These guidelines comply with published ASC X12 standards for EDI version 4010 for all data elements and segments.

Mandatory segments and elements are always required on every document. Optional segments and elements that are required by Boscov's are marked as "Must Use". Segment usage is marked at the top of each page under Usage. Element usage is marked in the far-left column beside each element. If the column is blank, the element is optional. Information in the Attributes column is from the ASC X12 standards and is provided for reference only. Trading Partners must adhere to our requirements as indicated by "Must Use". "Recommended" or "Rec" is intended to mean that if the data is available then Boscov's requires it in the transmission.

Business Rules

Boscov's require N9 segments containing the PO number. The Probill number must be on the B3 segment. If the Bill of lading number is available, Boscov's would like to see that on the B3 segment also. All other supporting details would assist the processing of the invoice. The SRR obtained from the Boscov's TMS portal should be sent on the K1, if available.

Contacts

Transaction Testing: OpenText Inc. 1-877-446-6847 Select Option 2, Option 2 again, then Option 1.

Production Support: OpenText Inc. 1-877-446-6847 Select Option 2, Option 1, then Option 1 again.

Communication IDs

Testing

S/R ID: ZZ-BOS212

Account/User ID: QRS4/BOS212

VAN: IBM/QRS

Production

S/R ID: 01/014492501

Account/User ID: T121/T121A

VAN: IBM/QRS

Delimiters

Element Separator - “*”

(HEX “2A” in ASCII)

(HEX “5C” in EBCDIC)

Component (Sub Element) Separator - “>”

(HEX “3E” in ASCII)

(HEX “6E” in EBCDIC)

Segment Terminator - “~”

(HEX “7E” in ASCII)

(HEX “A1” in EBCDIC)

Need an EDI Solution?

We have selected OpenText Inc. to administer our EDI operations and to enable our trading partners. For those trading partners who do not trade documents electronically, OpenText offers a number of electronic commerce solutions to assist you.

For Service Bureau, call 1-877-446-6847.

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For all other solutions, call 1-877-446-6847.

210 Boscov's Motor Carrier Details and Invoice

Functional Group ID=**IM**

Introduction:

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.

210**Motor Carrier Freight Details and Invoice**Functional Group=**IM****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
030	C2	Bank ID	O	1			Used
040	C3	Currency	O	1			Used
050	N9	Reference Identification	M	300			Must Use
060	G62	Date/Time	O	6			Used
070	R3	Routing Information	O	12			Used
080	H3	Special Handling Instructions	O	6			Used
100	K1	Remarks	O	10			Used

LOOP ID – 0100**10**

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

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 – 0400**9999**

120	LX	Assigned Number	O	1			Used
140	L5	Description, Marks and Numbers	O	30			Used
170	L0	Line Item - Quantity and Weight	O	10			Used
180	L1	Rate and Charges	O	10			Used
200	L7	Tariff Reference	O	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

ISA

Interchange Control Header

Pos:	Max: 1
- Mandatory	
Loop: N/A	Elements: 16

To start and identify an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA01	I01	Authorization Information Qualifier Description: Code to identify the type of information in the Authorization Information	M	ID	2/2	Must use
		<u>Code</u> <u>Name</u>				
		00 No Authorization Information Present (No Meaningful Information in I02)				
ISA02	I02	Authorization Information Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)	M	AN	10/10	Must use
ISA03	I03	Security Information Qualifier Description: Code to identify the type of information in the Security Information	M	ID	2/2	Must use
		<u>Code</u> <u>Name</u>				
		00 No Security Information Present (No Meaningful Information in I04)				
ISA04	I04	Security Information Description: This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)	M	AN	10/10	Must use
ISA05	I05	Interchange ID Qualifier Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified	M	ID	2/2	Must use
		<u>Code</u> <u>Name</u>				
		02 SCAC (Standard Carrier Alpha Code)				
ISA06	I06	Interchange Sender ID Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element	M	AN	15/15	Must use
		User Note 1: CARRIER SCAC CODE				
ISA07	I05	Interchange ID Qualifier Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified	M	ID	2/2	Must use
		<u>Code</u> <u>Name</u>				
		ZZ Mutually Defined				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA08	I07	Interchange Receiver ID Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them User Note 1: Receiver ID	M	AN	15/15	Must use
ISA09	I08	Interchange Date Description: Date of the interchange	M	DT	6/6	Must use
ISA10	I09	Interchange Time Description: Time of the interchange	M	TM	4/4	Must use
ISA11	I10	Interchange Control Standards Identifier Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer All valid standard codes are used.	M	ID	1/1	Must use
ISA12	I11	Interchange Control Version Number Description: This version number covers the interchange control segments	M	ID	5/5	Must use
		<u>Code</u> <u>Name</u> 00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997				
ISA13	I12	Interchange Control Number Description: A control number assigned by the interchange sender	M	N0	9/9	Must use
ISA14	I13	Acknowledgment Requested Description: Code sent by the sender to request an interchange acknowledgment (TA1)	M	ID	1/1	Must use
		<u>Code</u> <u>Name</u> 0 No Acknowledgment Requested				
ISA15	I14	Usage Indicator Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information	M	ID	1/1	Must use
		<u>Code</u> <u>Name</u> P Production Data				
ISA16	I15	Component Element Separator Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator	M		1/1	Must use

GS**Functional Group Header**

Pos:	Max: 1
- Mandatory	
Loop: N/A	Elements: 8

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
GS01	479	Functional Identifier Code Description: Code identifying a group of application related transaction sets	M	ID	2/2	Must use				
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>IM</td> <td>Motor Carrier Freight Details and Invoice (210, 980)</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	IM	Motor Carrier Freight Details and Invoice (210, 980)				
<u>Code</u>	<u>Name</u>									
IM	Motor Carrier Freight Details and Invoice (210, 980)									
GS02	142	Application Sender's Code Description: Code identifying party sending transmission; codes agreed to by trading partners User Note 1: CARRIER SCAC CODE	M	AN	2/15	Must use				
GS03	124	Application Receiver's Code Description: Code identifying party receiving transmission. Codes agreed to by trading partners User Note 1: RECEIVER ID	M	AN	2/15	Must use				
GS04	373	Date Description: Date expressed as CCYYMMDD	M	DT	8/8	Must use				
GS05	337	Time Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	M	TM	4/8	Must use				
GS06	28	Group Control Number Description: Assigned number originated and maintained by the sender	M	N0	1/9	Must use				
GS07	455	Responsible Agency Code Description: Code used in conjunction with Data Element 480 to identify the issuer of the standard <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>X</td> <td>Accredited Standards Committee X12</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	X	Accredited Standards Committee X12	M	ID	1/2	Must use
<u>Code</u>	<u>Name</u>									
X	Accredited Standards Committee X12									
GS08	480	Version / Release / Industry Identifier Code Description: Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed	M	AN	1/12	Must use				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<u>Code</u> <u>Name</u>				
	004010	Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997				

Semantics:

1. GS04 is the group date.
2. GS05 is the group time.
3. The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

Comments:

1. A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

ST**Transaction Set Header**

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	Transaction Set Identifier Code Description: Code uniquely identifying a Transaction Set	M	ID	3/3	Must use				
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>210</td> <td>Motor Carrier Freight Details and Invoice</td> </tr> </tbody> </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	Transaction Set Control Number Description: 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:

- 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).

B3**Beginning Segment for Carrier's Invoice**

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 9

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	Invoice Number Description: Identifying number assigned by issuer Probill/Freight Bill	M	AN	1/22	Must use								
B303	145	Shipment Identification Number Description: 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) User Note 1: Bill of Lading Number	O	AN	1/30	Used								
B304	146	Shipment Method of Payment Description: Code identifying payment terms for transportation charges	M	ID	2/2	Must use								
		<table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>CC</td> <td>Collect</td> </tr> <tr> <td>PP</td> <td>Prepaid (by Seller)</td> </tr> <tr> <td>TP</td> <td>Third Party</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	CC	Collect	PP	Prepaid (by Seller)	TP	Third Party				
<u>Code</u>	<u>Name</u>													
CC	Collect													
PP	Prepaid (by Seller)													
TP	Third Party													
B305	188	Weight Unit Code Description: Code specifying the weight unit	O	ID	1/1	Used								
		<table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>L</td> <td>Pounds</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	L	Pounds								
<u>Code</u>	<u>Name</u>													
L	Pounds													
B306	373	Date Description: Date expressed as CCYYMMDD	M	DT	8/8	Must use								
B307	193	Net Amount Due Description: 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								
B309	32	Delivery Date Description: Date for delivery of cargo to final consignee or to next mode expressed in format CCYYMMDD	C	DT	8/8	Used								
B310	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time	C	ID	3/3	Used								
		<table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>017</td> <td>Estimated Delivery</td> </tr> <tr> <td>035</td> <td>Delivered</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	017	Estimated Delivery	035	Delivered						
<u>Code</u>	<u>Name</u>													
017	Estimated Delivery													
035	Delivered													

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
B311	140	Standard Carrier Alpha Code Description: Standard Carrier Alpha Code User Note 1: CARRIER SCAC CODE	M	ID	2/4	Must use

Syntax:

1. B309 P0910 -- If either B309 or B310 are present, then the others are 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.
3. If B314 is used, B304 will indicate the party or parties responsible for payment of the transportation terms identified in B314.

C2**Bank ID**

Pos: 30	Max: 1
Heading – Optional	
Loop: 0100	Elements: 7

To transmit identifying information for electronic payment

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>				
C201	8	Bank Client Code Description: Code qualifying the Bank Client Code	M	ID	1/1	Must use				
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>- R</td> <td>Payor</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	- R	Payor				
<u>Code</u>	<u>Name</u>									
- R	Payor									
C202	66	ID code qualifier Description: ZZ = mutually agreed upon qualifier	M	ID	½	Must use				
C203	67	ID code Description: ZZ = mutually agreed upon qualifier	M	AN	2/20	Must use				
C204	20	Client Bank Number Description: Bank's routing and transit number	O	AN	3/9	Not Used				
C205	7	Bank Account Number Description: Bank's account number	O	AN	6/17	Not Used				
C206	107	Payment method Code	O	ID	1/1	Not Used				
C207	373	Date Description: yyyyymmdd	O	DT	8/8	Not Used				

Syntax:**Semantics:**

C3**Currency**

Pos: 40	Max: 1
Heading – Optional	
Loop: 0100	Elements: 3

To transmit identifying information for electronic payment

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	Currency Code Description: Code for the currency of payment	M	ID	3/3	Must use				
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>- USD</td> <td>United States Dollars</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	- USD	United States Dollars				
<u>Code</u>	<u>Name</u>									
- USD	United States Dollars									
C302	280	Exchange Rate	O	R	4/6	Used				
C303	100	Currency Code Description: Code for the currency of payment	O	ID	3/3	Used				
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>- CAD</td> <td>Canadian Dollars</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	- CAD	Canadian Dollars				
<u>Code</u>	<u>Name</u>									
- CAD	Canadian Dollars									

Syntax:**Semantics:**

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

C301 = Billing currency

C303 = Payment currency

N9**Reference Identification**

Pos: 50	Max: 300
Heading – Mandatory	
Loop: 0100	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	Reference Identification Qualifier Description: Code qualifying the Reference Identification	M	ID	2/3	Must use						
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>PO</td> <td>Purchase Order Number</td> </tr> <tr> <td>BM</td> <td>EDI Reference Field – Number supplied by Boscov's</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	PO	Purchase Order Number	BM	EDI Reference Field – Number supplied by Boscov's				
<u>Code</u>	<u>Name</u>											
PO	Purchase Order Number											
BM	EDI Reference Field – Number supplied by Boscov's											
N902	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30	Used						

Syntax:

1. N902 R0203 -- At least one of N902 or N903 is required.
2. N906 C0605 -- If N906 is present, then N905 is required

Semantics:

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

G62**Date/Time**

Pos: 060	Max: 6
Heading – Optional	
Loop: N/A	Elements: 2

To specify pertinent dates and times

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
G6201	432	Date Qualifier Description: Code specifying type of date	M	ID	2/2	Used				
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>86</td> <td>Actual Pickup Date</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	86	Actual Pickup Date				
<u>Code</u>	<u>Name</u>									
86	Actual Pickup Date									
G6202	373	Date Description: Date expressed as CCYYMMDD	C	DT	8/8	Used				

Syntax:

1. G6201 R0103 -- At least one of G6201 or G6203 is required.
2. G6201 P0102 -- If either G6201 or G6202 are present, then the others are required.
3. G6203 P0304 -- If either G6203 or G6204 are present, then the others are required.

R3**Route Information**

Pos: 70	Max: 1
Heading – Optional	
Loop: 0100	Elements: 9

To transmit identifying information for electronic payment

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	Standard Carrier Alpha Code Description: SCAC	M	ID	2/4	Must use
R302	133	Routing Sequence Code Description: 0 = Origin Carrier 1 = Carrier after origin 2 = 2 nd carrier after origin	M	ID	½	Must use
R303	19	City Name	O	AN	2/30	Used
R304	91	Transport Method Type Code	O	ID	½	Not Used
R305	154	Standard Point Location Code	O	ID	6/9	Not Used
R306	76	Invoice Number	O	AN	1/22	Used
R307	373	Date Description: Date of transfer	O	D	8/8	Used
R308	610	Amount	O	AN	1/15	Not Used
R309	369	Free Form Description	O	AN	1/45	Not Used

Syntax:**Semantics:**

R303 is the station or city at which carriers exchange shipments.

This segment is only used when one carrier picks up cargo from another carrier.

H3

Route Information

Pos: 80	Max: 1
Heading – Optional	
Loop: 0100	Elements: 5

To transmit identifying information for electronic payment

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	153	Special Handling Code Description: "EXQ"	X	ID	2/3	Must use
H302	153	Special Handling Description Description: Free form text	X	AN	2/30	Must use
H303	241	Protective Service Code	O	ID	1/4	Not Used
H304	242	Vent Instruction Code	O	ID	1/7	Not Used
H305	257	Tariff Application Code	O	ID	1/1	Not Used

Syntax:

Either the H301 or H302 may be present

Semantics:

Example 1: H3*EXQ

Example 2: H3**TIME CRITICAL RATES

K1**Remarks**

Pos: 100	Max: 10
Heading – Optional	
Loop: N/A	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	Free-Form Message Description: Free-form information SRR Number as assigned by Boscov's TMS Portal	M	AN	1/30	Must use
K102	61	Free-Form Message Description: Free-form information	O	AN	1/30	Used

N1**Name**

Pos: 110	Max: 1
Heading – Optional	
Loop: 0100	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	Entity Identifier Code Description: 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>Name</u></th> </tr> </thead> <tbody> <tr> <td>CN</td> <td>Consignee</td> </tr> <tr> <td>SH</td> <td>Shipper</td> </tr> <tr> <td>BT</td> <td>Bill To</td> </tr> <tr> <td>SF</td> <td>Ship From</td> </tr> <tr> <td>PR</td> <td>Pator</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	CN	Consignee	SH	Shipper	BT	Bill To	SF	Ship From	PR	Pator				
<u>Code</u>	<u>Name</u>																	
CN	Consignee																	
SH	Shipper																	
BT	Bill To																	
SF	Ship From																	
PR	Pator																	
N102	93	Name Description: Free-form name	C	AN	1/60	Used												

Syntax:

1. N102 R0203 -- At least one of N102 or N103 is required.
2. 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.
2. N105 and N106 further define the type of entity in N101.

N3**Address Information**

Pos: 130	Max: 2
Heading – Optional	
Loop: 0100	Elements: 1

To specify the location of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	Address Information Description: Address information	M	AN	1/55	Must use
N302	166	Address Information Description: Address information	M	AN	1/55	O

N4**Geographic Location**

Pos: 140	Max: 1
Heading – Optional	
Loop: 0100	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	City Name Description: Free-form text for city name	O	AN	2/30	Used
N402	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2	Used
N403	116	Postal Code Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O	ID	3/15	Used
N404	26	Country Code Description: Free-form text for city name	O	ID	2/3	Used
N405	309	Location Qualifier	O	ID	1/2	Used
N406	310	Location Identifier	O	AN	1/30	Used

Syntax:

1. N406 C0605 -- If N406 is present, then N405 is required

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

LX

Assigned Number

Pos: 120	Max: 1
Detail - Optional	
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 Description: Number assigned for differentiation within a transaction set	M	N0	1/6	Must use

L5**Description, Marks and Numbers**

Pos: 140	Max: 30
Detail - Optional	
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	Lading Line Item Number Description: Sequential line number for a lading item	O	N0	1/3	Used
L502	79	Lading Description Description: Description of an item as required for rating and billing purposes	M	AN	1/50	Used
L503	22	Commodity Code	O	AN	1/30	Used
L504	23	Commodity Code Qualifier	O	ID	1/1	Used
L505	103	Packaging Code	O	AN	3/5	Used
L506	87	Marks and Numbers	O	AN	1/45	Used
L507	88	Marks and Numbers Qualifier	O	AD	1/2	Used
L508	23	Commodity Code Qualifier	O	ID	1/1	Used
L509	22	Commodity Code	O	AN	1/30	Used
L510	595	Compartment ID Code	O	ID	1/1	Used

Syntax:

1. L503 P0304 -- If either L503 or L504 are present, then the others are required.
2. L507 C0706 -- If L507 is present, then L506 is required
3. L508 P0809 -- If either L508 or L509 are present, then the others are required.

Comments:

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

L0**Line Item - Quantity and Weight**

Pos: 170	Max: 10
Detail - Optional	
Loop: 0400	Elements: 8

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	Lading Line Item Number Description: Sequential line number for a lading item	O	N0	1/3	Used														
L002	220	Billed/Rated-as Quantity Description: Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81	C	R	1/11	Used														
L003	221	Billed/Rated-as Qualifier Description: Code identifying the type of quantity or value on which the rate or item pricing is based	C	ID	2/2	Used														
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>LC</td> <td>100 Pounds</td> </tr> <tr> <td>DM</td> <td>Miles</td> </tr> <tr> <td>SY</td> <td>Square Yards</td> </tr> <tr> <td>GL</td> <td>Gallons</td> </tr> <tr> <td>EA</td> <td>Units</td> </tr> <tr> <td>CF</td> <td>Cubic Feet</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	LC	100 Pounds	DM	Miles	SY	Square Yards	GL	Gallons	EA	Units	CF	Cubic Feet				
<u>Code</u>	<u>Name</u>																			
LC	100 Pounds																			
DM	Miles																			
SY	Square Yards																			
GL	Gallons																			
EA	Units																			
CF	Cubic Feet																			
L004	81	Weight Description: Numeric value of weight	C	R	1/10	Used														
L005	187	Weight Qualifier Description: Code defining the type of weight	C	ID	1/2	Used														
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>G</td> <td>Gross Weight</td> </tr> <tr> <td>B</td> <td>Billed Weight</td> </tr> <tr> <td>F</td> <td>Deficit Weight</td> </tr> <tr> <td>N</td> <td>Net Weight</td> </tr> <tr> <td>T</td> <td>Tare Weight</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	G	Gross Weight	B	Billed Weight	F	Deficit Weight	N	Net Weight	T	Tare Weight						
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G	Gross Weight																			
B	Billed Weight																			
F	Deficit Weight																			
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T	Tare Weight																			
L006	183	Volume	C	N0	1/8	Not Used														
L007	184	Volume Unit Qualifier	C	ID	1/1	Not Used														
L008	80	Lading Quantity Description: Number of handling units	C	N0	1/7	Used														
L009	211	Packaging Form Code Description: Code for packaging form of the lading quantity	C	ID	3/3	Used														
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>-</td> <td>PCS Pieces</td> </tr> <tr> <td></td> <td>PLT Pallets</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	-	PCS Pieces		PLT Pallets												
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-	PCS Pieces																			
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<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L011	188	Weight Unit Code Description: Code specifying the weight unit	O	ID	1/1	Used
		<u>Code</u> <u>Name</u>				
		L Pounds				

Syntax:

1. L002 P0203 -- If either L002 or L003 are present, then the others are required.
2. L004 P0405 -- If either L004 or L005 are present, then the others are required.
3. L006 P0607 -- If either L006 or L007 are present, then the others are required.
4. L008 P0809 -- If either L008 or L009 are present, then the others are required.
5. L011 C1104 -- If L011 is present, then L004 is required
6. L013 P1315 -- If either L013 or L015 are present, then the others are required.

Semantics:

1. L008 is the number of handling units of the line item tendered to the carrier.
2. L013 can only be used if the code in L009 is PLT, SKD, or SLP.
3. L015 designates whether the carrier will be required to verify the number of units contained on a pallet, slip sheet or skid. Code "Y" indicates that the carrier will be required to verify. Code "N" indicates that the carrier will not be required to verify.

Comments:

1. L013 is used to convey the total number of boxes, cartons, or pieces contained on a pallet, skid, or slip sheet for the line item.

L1**Rate and Charges**

Pos: 180	Max: 10
Detail - Optional	
Loop: 0400	Elements: 6

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	Lading Line Item Number Description: Sequential line number for a lading item	O	N0	1/3	Used
L102	60	Freight Rate Description: Rate that applies to the specific commodity	C	R	1/9	Used
L103	122	Rate/Value Qualifier Description: Code qualifying how to extend charges or interpret value	C	ID	2/2	Used

<u>Code</u>	<u>Name</u>
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CT	Charge or Credit Based on Percentage of Total
MN	Minimum
PH	Per Hundred (of Basic Unit)
VS	Various
PM	Per Mile
PG	Per Gallon
SY	Per Square Yard
PU	Per Unit
PF	Per Cubic Foot
AV	Percent

L104	58	Charge Description: 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	Special Charge or Allowance Code Description: Code identifying type of special charge or allowance User Note 1: DO NOT TRANSMIT MINIMUM CODE IN THIS ELEMENT. MN MUST BE IN L103.	O	ID	3/3	Used

<u>Code</u>	<u>Name</u>
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420	Hazardous Materials Handling Fee - Domestic
COL	Fee for Collecting COD Charge
DIV	Diversion and Reconsignment
DSC	Discount
DTB	Detention (Labor)
DTU	Detention Unloading
DTV	Detention (Vehicle)
FUE	Fuel Charge
HZC	Hazardous Materials Surcharge Charge
IDL	Inside Delivery
LDG	Loading
LFT	Lift Gate (Truck) or Forklift Service at Pick-up/Delivery
SAT	Saturday Pick-up or Delivery Charge

L112	276	Special Charge Description	O	AN	2/25	Used
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<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150				

Syntax:

1. L102 P0203 -- If either L102 or L103 are present, then the others are required.
2. L104 R040506 -- At least one of L104, L105 or L106 is required.
3. L114 P1415 -- If either L114 or L115 are present, then the others are required.
4. L117 P1718 -- If either L117 or L118 are present, then the others are required.

Semantics:

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

L7**Tariff Reference**

Pos: 200	Max: 10
Detail - Optional	
Loop: 0400	Elements: 2

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	Lading Line Item Number Description: Sequential line number for a lading item	O	N0	1/3	Used
L707	59	Freight Class Code Description: Code indicating generalized classification that applies to one or more items in the shipment, i.e., class 70, 77.5, etc.	M	AN	2/5	Used

Semantics:

1. L710 is the effective date.
2. In L715 and L716, "City" and "State" are used for rate combination city and state.

L3 Total Weight and Charges

Pos: 010	Max: 1
Summary - Optional	
Loop: N/A	Elements: 4

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	Weight Description: Numeric value of weight	C	R	1/10	Used				
L302	187	Weight Qualifier Description: Code defining the type of weight	C	ID	1/2	Used				
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>-</td> <td>G Gross Weight</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	-	G Gross Weight				
<u>Code</u>	<u>Name</u>									
-	G Gross Weight									
L305	58	Charge Description: 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 Note: Total of all L104's	O	N2	1/12	Used				
L311	80	Lading Quantity Description: Number of units (pieces) of the lading commodity Note: Total of all L008's	O	N0	1/7	Used				

Syntax:

1. L301 P0102 -- If either L301 or L302 are present, then the others are required.
2. L303 P0304 -- If either L303 or L304 are present, then the others are required.
3. L309 P0910 -- If either L309 or L310 are present, then the others are required.
4. L312 C1201 -- If L312 is present, then L301 is required
5. L314 P1415 -- If either L314 or L315 are present, then the others are required.

Semantics:

1. L305 is the total charges.

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

- SE is the last segment of each transaction set.