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210 Motor Carrier Freight Details and Invoice ***(for use with Syncada® application)***

File Format: ANSI X12 V4010 Specification

Direction: Inbound to Syncada

Version Number:	1-24-2
Issue Date:	2005
Revision Date:	2017-11-13

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210 Motor Carrier Freight Details and Invoice

Functional Group ID=**IM**

Introduction:

This Standard 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 and as details pertaining to motor freight shipment(s) charges.

Additionally, the specification provides instructions on how to submit Syncada specific Electronic Unlinked eBills, Electronic Linked eBills, and Supplemental Invoices.

Syncada Subset of the ANSI Standard Transaction Set 210

Syncada Notes:

Mandatory	=	Mandatory for ANSI
Required	=	Required by Syncada
Conditional	=	Conditionally required by Syncada
Optional	=	Not Required by Syncada or ANSI

Heading:

<u>Syncada</u>	<u>Pos.</u>	<u>Seg.</u>	<u>Name</u>	<u>Req.</u>	<u>Max.Use</u>	<u>Loop</u>	<u>Notes and</u>
	<u>No.</u>	<u>ID</u>		<u>Des.</u>		<u>Repeat</u>	<u>Comments</u>
Mandatory	010	ST	Transaction Set Header	M	1		
Mandatory	020	B3	Beginning Segment for Carrier's Invoice	M	1		
Optional	040	C3	Currency	O	1		
Optional	060	N9	Reference Identification - Carrier Order Number	O	1		
Optional	060	N9	Reference Identification - Inbound/Outbound Indicator	O	1		
Optional	060	N9	Reference Identification - Move Type and Spot Bid Indicator (Rating Factors)	O	1		
Optional	060	N9	Reference Identification - Business Segment (Rating Factors)	O	1		
Optional	060	N9	Reference Identification - Trading Partner Identification	O	1		
Optional	060	N9	Reference Identification - Invoice or Order Number to Link an eBill	O	1		
Optional	060	N9	Reference Identification - User Defined Header Data Element	O	3		
Optional	070	G62	Date/Time - Actual Pickup Date	O	1		
Optional	070	G62	Date/Time - Actual Delivery Date	O	1		
Required	080	R3	Route Information - Motor	O	1		
Optional	090	H3	Special Handling Instructions (NOD Instructions in the UI)	O	1		
Optional	100	K1	Remarks – Syncada Note(s)	O	10		
Required			LOOP ID – 0100 N1 Selling Party			1	
Required	110	N1	Selling Party Name - Carrier	M	1		
Required			LOOP ID – 0100 N1 Buying Party			1	
Required	110	N1	Buying Party Name - Shipper	M	1		
Conditional			LOOP ID – 0100 N1 Ship-From Party			1	
Required	110	N1	Ship-From Name	O	1		
Optional	130	N3	Ship-From Address Information	O	2		
Required	140	N4	Ship-From Geographic Location	O	1		

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Conditional			LOOP ID – 0100 N1 Ship-to Party		1	
Required	110	N1	Ship-To Name	O	1	
Optional	130	N3	Ship-To Address Information	O	2	
Required	140	N4	Ship-To Geographic Location	O	1	
Optional			LOOP ID – 0200 N7 Loop		10	
Optional	160	N7	Equipment Details	O	1	
Optional	170	M7	Seal Numbers (Future Use)	O	2	

Detail:

Syncada	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Optional			LOOP ID – 0300 S5 Loop			999	
Optional	010	S5	Stop-off Details	O	1		
Optional	030	G62	Stop-off Date/Time	O	1		
Required			LOOP ID – 0310 N1 Loop			1	
Optional	050	N1	Stop-off Name	O	1		n1
Optional	070	N3	Stop-off Address Information	O	2		
Required	080	N4	Stop-off Geographic Location	O	1		
Required			LOOP ID – 0400 LX Loop			9999	
Required	120	LX	Assigned Number	O	1		
Optional	130	N9	Reference Identification - General Ledger Accounting Code	O	1		
Optional	130	N9	Reference Identification - Stop Sequence Number	O	1		
Optional	130	N9	Reference Identification - Purchase Order Number	O	1		
Optional	130	N9	Reference Identification - Shipper's Customer Purchase Order Number OR User Defined Line Item Characteristic	O	1		
Optional	130	N9	Reference Identification - Line Item Number	O	1		
Optional	130	N9	Reference Identification - Carrier Item Number or GL Accounting Code Alias	O	1		
Optional	130	N9	Reference Identification - User Defined Line Item Data Element	O	3		
Conditional	140	L5	Description, Marks and Numbers	O	1		
Optional	150	H1	Hazardous Material	O	1		
Conditional	170	L0	Line Item - Quantity and Weight	O	1		
Required	180	L1	Rate and Charges	O	1		n2
Optional	190	L4	Measurement	O	10		
Conditional	200	L7	Tariff Reference	O	1		

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Summary:

Syncada	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Optional	010	L3	Total Weight and Charges	O	1		
Mandatory	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. The 0300 S5 and 0310 N1 loops shall only be used to identify all stop-off locations and associated data for loading and unloading of freight with the exception of the original stop-off location (shipper) for truckload carriers. The original stop-off location (shipper) shall be transmitted in loop 0100.
2. The line haul line item LX loop is distinguished from a Service charge LX loop by the L108 data element. If the L108 is not present or if the L108 contains the value '400' then the line item will be treated as a line haul line item. Otherwise the line item will be treated as an accessorial.

Syncada Notes Regarding the Syncada Subset

1. The Syncada Subset lists the segments and data elements that Syncada uses to process the transaction set. Syncada may require a segment even when ANSI considers the segment to be optional. A setting of "Required" implies that Syncada must receive this information before the transaction set can be processed. For example, Syncada requires the R304 (Transportation Method/Type Code) while ANSI does not.
2. The Special Instructions edit box on the Marks tab, in Syncada, will display four separate data elements in a defined order of precedence. The first three data elements are being used to support the Syncada Pricing Engine, and the fourth data element is the information originally designed for this edit box. The information set for each data element will include: a prefix, content data, and a terminator. The prefix is formatted with two characters followed by a colon. The (trimmed/ leading and trailing) content is taken directly from the file submitter. If no content exists, the prefix and terminator are still written (using the defined order of precedence). The terminator is a semi-colon and it is always written, including the terminator after the last information set. The information set will always be written. No spaces/ nulls are used to separate the information sets. The order of precedence for writing these information sets is: Equipment Type, Move Type, Business Segment, Spot Bid Indicator, and Special Instructions. The prefixes for these information sets are "ET:", "MT:", "BU:", "SB:", and "SI:" respectively.
3. The Syncada-required format for the N404 country code is the ISO 3-character country code.
4. This specification uses the words "Buyer" to mean the buyer of the transportation services (i.e. the shipper of the outbound freight or the receiver of the inbound freight) and "Seller" to mean the provider of the transportation services (i.e. the carrier).
5. Syncada's implementation of this EDI 210 specification has identified nine (9) uniquely qualified N9 segments within the LX loop. These nine segments cover a diverse set of reference information to be associated with a shipment's line item. ANSI x12 only allows five (5) N9 segments within a given LX loop. Syncada demands that the file submitter comply with the ANSI standard, and suggests that the five most representative N9 segments be sent in any one LX loop.
6. This EDI 210 interchange specification allows the submission of both Syncada eBills and supplemental invoices. This capability is driven by the data content within the B301 data element.
 - a. An Electronic Unlinked eBill should be used when no original invoice exists, but billing details still need to be communicated.
 - b. An Electronic Linked eBill should be used when a previous invoice was submitted and the eBill is required to be "linked" to the invoice or order.
 - c. A Supplemental Invoice should be used when an original invoice exists and its details need to be supplemented

The specific details regarding the requirements for creating each of these documents is set forth below:

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Electronic Unlinked eBills

In order for Syncada to create an Electronic Unlinked eBill using this EDI 210 format:

- a) Submit all 'Mandatory' and 'Required' fields as defined within the interchange specification.
- b) Submit an 'O' in the B301.
- c) Syncada's user interface will display all billed amounts, quantities and UOM's as service charges on the eBill.
- d) A net negative Electronic Unlinked eBill (B307 Net Amount Due less than 0) will be considered a Credit eBill and a net positive eBill (B307 Net Amount Due greater than or equal to 0) will be considered a Debit eBill.

Electronic Linked eBills

In order for Syncada to create an Electronic Linked eBill using this EDI 210 format:

- a) Submit all 'Mandatory' and 'Required' fields as defined within the interchange specification.
- b) Submit an 'O' in the B301.
- c) An N9 Segment at the document header level is used to communicate the document number to which the eBill is to be linked and identify if the eBill is to be linked to a previously submitted invoice or order.
 - 1. Submit 'WH' as the Reference Identification Qualifier (N901)
 - 2. Submit the Invoice Number (PRO) or Order Number (BOL) in the Reference Identification (N902) data element
 - 3. Submit either 'INVOICE' or 'ORDER' in the Free-form Description (N903) data element
- d) Syncada's user interface will display all billed amounts, quantities and UOM's as service charges on the eBill.
- e) A net negative Electronic Linked eBill (B307 Net Amount Due less than 0) will be considered a Credit eBill and a net positive eBill (B307 Net Amount Due greater than or equal to 0) will be considered a Debit eBill.

Supplemental Invoices

In order for Syncada to create a Supplemental Invoice using this EDI 210 format:

- a) Submit all 'Mandatory' and 'Required' fields as defined within the interchange specification.
- b) Submit an 'R' in the B301.
- c) The file submitter may choose to include the original invoice number as a reference to this supplemental invoice. The original invoice number may be submitted in any one of the three "User Defined" Reference segments in the heading section of the transaction set. The qualifier for the original invoice number Reference Identification segment (i.e. N901) must be "OI" (Original Invoice Number) with the N902 for that segment being used to store the original invoice number.
- d) A supplemental invoice will be processed through Syncada's duplicate checking routine. The invoice number presented with the supplemental invoice cannot be the same as the invoice number originally submitted. Please make sure that the invoice number presented in B302 is a unique Invoice Number.

Syncada User Interface (UI) Visibility

As a means to provide the ability to search in the UI for either an Electronic eBill or Supplemental Invoice, the Seller Order No. field on the Header tab will contain the value of 'EBILL' for Electronic eBills while for Supplemental Invoices the value of 'SUPPLEMENTAL' will be assigned. In cases where an eBill or Supplemental Invoice is not being created, the Seller Order No. field will contain the value submitted in the "Seller Order Number" N9 Reference Information segment submitted with either a 'CN' or '3Z' qualifier.

Notes Regarding the Data Element Summary for Each Segment

The Attributes section in the Data Element Summary consists of three codes used to define the data contained in the specified field.

- The first code is used to define the relationship of the element to the rest of the segment as specified by the ANSI X12 V4010 specifications. The three code types are as follows:
 - **M** Mandatory
 - **O** Optional
 - **X** Conditional (this element is used in conjunction with another element present in the segment)
- **The second code specifies what value types are allowed in the field:**
 - **AN** Alpha-Numeric
 - **ID** ID code specified by the ANSI X12 V4010 data dictionary
 - **Elements with this code will be annotated in one of three ways:**
 1. No annotation. Use any code specified by the ANSI X12 V4010 data dictionary.
 2. **"Limited to:"** Use only the codes listed for this element.
 3. **"Expected, but not limited to:"** Use any code specified by the ANSI X12 V4010 data dictionary. The codes listed for this element are examples of the codes used most often for this element.
 4. Note: The best practice approach for validating the valid values for ANSI X12 data elements is to rely solely on the type trees within the ANSI X12 translation software. It is strongly recommended that this approach be followed. Otherwise, the file creation process must rely on proprietary data validations that are made to mimic what is managed universally and reliably by ANSI X12 translators. Any deviation from this best practice recommendation is almost certainly doomed to failure and it requires an inordinately high amount of production support maintenance. Once again, the validation of valid values for ANSI X12 data elements transaction sets should only be performed by ANSI X12 translators.
 - **R1-R9** Number with an explicitly stated decimal place out to the number of places identified (i.e. an **R2** data type with a value of 200.24 would be displayed as 200.24)
 - **N1-N9** Number value with an implicitly stated decimal out to the number of places identified (i.e. a **N2** data type with a value of 200.24 would be displayed as 20024)
- **The third code specifies the minimum/maximum number of characters allowed in the field.**
 - A field with a **min/max** of **2/30** must have at least 2 characters and up to as many as 30 characters.

In addition to the aforementioned required ANSI standards, Syncada has defined additional element information necessary to ensure accurate and consistent processing results. These additional elements are annotated to the left of the 'Ref. Des.' Column of each segment with one of four values:

1. **Mandatory** – These elements typically coincide with mandatory ANSI required elements and the absence of such values will cause the transaction to fail ANSI validation.
2. **Required** – These elements, although not required for successful ANSI validation, are required by Syncada and when submitted will enable more complete downstream file processing.
3. **Conditional** – These elements, although not required for successful ANSI validation, are conditionally required by Syncada and when submitted will enable more complete downstream file processing.
4. **Optional** – These elements, when submitted, will provide trading partners a more detailed representation of transactional information.

210 Transaction Set

ST Transaction Set Header

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:
Notes:

Data Element Summary				
<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Mandatory	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set Limited to: 210 Motor Carrier Freight Details and Invoice	M ID 3/3
Mandatory	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

Example: ST*210*500000001~

B3 Beginning Segment for Carrier's Invoice

Segment: **B3 Beginning Segment for Carrier's Invoice**
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To transmit basic data relating to the carrier's invoice
Syntax Notes: 1 If either B309 or B310 is present, then the other is required.
Semantic Notes: 1 B306 is the invoice date.
Comments:
Notes:

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Conditional	Des.	Element		
	B301	147	Shipment Qualifier Code defining relationship of this shipment with respect to other shipments given to the carrier at the same time Limited to: O Memo Bill – Syncada Electronic Unlinked eBill OR Electronic Linked eBill R Supplemental Billing – Syncada Supplemental Invoice <ul style="list-style-type: none"> This element should ONLY be submitted for an Electronic Unlinked eBill, an Electronic Linked eBill, or a Supplemental Invoice. See Syncada Note #6 in the first section of this specification for details about Electronic Unlinked eBills, Electronic Linked eBills and Supplemental Invoices. 	O ID 1/1
Mandatory	B302	76	Invoice Number Identifying number assigned by issuer Carrier's PRO Number. The Motor Freight carrier must provide a unique identifier for each invoice submitted to Syncada that is managed by carrier's internal system and that tie to carrier's open item Accounts Receivable for this shipment	M AN 1/22
Conditional	B303	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; (Does not contain blanks or special characters) <ul style="list-style-type: none"> Shipper's Bill of Lading (BOL) Number. This data element is required for an Invoice and Supplemental Invoice. This data element is optional for an Electronic Unlinked or Linked eBill. 	O AN 1/30
Mandatory	B304	146	Shipment Method of Payment Code identifying payment terms for transportation charges Limited to: CC Collect PP Prepaid (by Seller)	M ID 2/2
Required	B305	188	Weight Unit Code Code specifying the weight unit	O ID 1/1

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The B305 is used to identify the Unit of Measurement that will define weight values throughout the transaction when Weight/Quantity UOM's are not provided in the L0 Segment.

Limited to:

K Kilograms
L Pounds

Mandatory B306 373 Date (Invoice Date) M DT 8/8
Date expressed as CCYYMMDD

Mandatory B307 193 Net Amount Due M N2 1/12
Total charges to be paid by the receiver of this transaction set expressed in the standard monetary denomination for the currency specified

Optional B308 202 Correction Indicator O ID 2/2
Code used to indicate that the transaction set contains information which corrects previous information

- *The B308 is used to trigger a cancellation or to update a document that has been previously inserted into Syncada.*
- *If it is not used, then the document will be inserted as a new invoice.*

Limited to:

CA Cancelled Bill
CO Correction

Optional B309 32 Delivery Date X DT 8/8
Date for delivery of cargo to final consignee or to next mode expressed in format CCYYMMDD

The date provided in the B309 indicates that the shipment has been delivered. The Syncada-required location for the delivery date is the G62 (Heading) where the G6201 = '35'

Optional B310 374 Date/Time Qualifier X ID 3/3
Code specifying type of date or time, or both date and time (i.e. code qualifies element 32)

Limited to:

035 Delivered

Mandatory B311 140 Standard Carrier Alpha Code M ID 2/4
Standard Carrier Alpha Code

The Syncada-required location of the seller identifier is the N104 within the Selling Party N1 loop. In all cases, a 2- to 4-character identifier should be provided in B311 since it has been designated by ANSI as Mandatory. Seller identifiers longer than 4 characters should be truncated to satisfy the attribute rules of the B311.

Example: B3**00987345*875455700*PP*L*20150120*109225**20140514*035*SCAC~

C3 Currency

Segment: **C3** Currency
Position: 040
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the currency being used in the transaction set
Syntax Notes:
Semantic Notes: 1 C301 is the billing currency.
Comments: 1 Currency is implied by the code for the country in whose currency the monetary amounts are specified.
Notes:

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Mandatory	C301	100	Currency Code	M ID 3/3
			Code (Standard ISO) for country in whose currency the charges are specified	
			Expected, but not limited to:	
			CAD Canadian Dollar	
			CHF Swiss Franc	
			CZK Czech Koruna	
			DKK Danish Krone	
			EUR Euro	
			GBP Pound Sterling	
			HUF Forint	
			NOK Norwegian Krone	
			PLN Zloty	
			SEK Swedish Krona	
			SGD Singapore Dollar	
			USD US Dollar	
			ZAR Rand	

Syncada will default USD - U. S. Dollars as the default currency if no C3 currency information is provided.

Example: C3*USD~

N9 Reference Identification – Carrier Order Number

Segment: **N9** Reference Identification – Carrier Order Number
Position: 060
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes: 1 At least one of the N902 or N903 is required.
Comments:
Notes:

1. This segment is used to capture a second reference number (e.g. a customs broker's number) for this invoice. Syncada allows either one (but not both) of the N901 qualifiers listed here.
2. If an Electronic eBill (B301 = 'O') or Supplemental Invoice (B301 = 'R') is submitted, whatever is submitted in this N9 segment is not mapped to the Seller Order Number field. The Seller Order Number would contain 'EBILL' or 'SUPPLEMENTAL' respectively.

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Mandatory	Des. N901	Element 128	Reference Identification Qualifier Code qualifying the Reference Identification (i.e. code qualifies element 127) Limited to: 3Z Customs Broker Reference Number CN Carrier's Reference Number <i>Although ANSI allows a maximum of 3 characters for this data element, Syncada requires that a 2-character code be sent.</i>	M ID 2/3
Required	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <i>Carrier's Reference Number</i>	X AN 1/30

Example: N9*3Z*4124~

N9 Reference Identification – Inbound/Outbound Indicator

Segment:	N9 Reference Identification – Inbound/Outbound Indicator
Position:	060
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:	1 At least one of the N902 or N903 is required.
Comments:	
Notes:	<ol style="list-style-type: none"> 1. This is Syncada's preferred location for submission of the inbound/outbound direction indicator. 2. If this N9 segment is not used to submit the direction indicator, a direction indicator will be derived from B304 (Shipment Method of Payment). When B304 equals 'CC', the direction indicator is set to 'I' (Inbound); else it is set to 'O' (Outbound).

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Mandatory	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification (i.e. code qualifies element 127) Limited to: 4C Shipment Destination Code (Used by Syncada to capture Inbound/Outbound indicator) <i>Although ANSI allows a maximum of 3 characters for this data element, Syncada requires that a 2-character code be sent.</i>	M ID 2/3
Required	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Limited to: I Inbound O Outbound <i>Although ANSI allows a maximum of 30 characters for this data element, Syncada requires that a 1-character code be sent.</i>	X AN 1/1

Example: N9*4C*O~

N9 Reference Identification – Move Type and Spot Bid Indicator (Rating Factors)

Segment:	N9 Reference Identification – Move Type and Spot Bid Indicator (Rating Factors)
Position:	060
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:	1 At least one of the N902 or N903 is required.
Comments:	
Notes:	<ol style="list-style-type: none"> 1. This segment is used to capture information to be used in determining the correct price for a shipment. 2. See Syncada Note #2 in the first section of this specification for the UI presentation format and order of precedence rules.

Data Element Summary

<u>Syncada</u>	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mandatory	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification (i.e. code qualifies element 127) Limited to: QY Service Performed Code (Used by Syncada to submit Move Type and Spot Bid Indicator) <i>Although ANSI allows a maximum of 3 characters for this data element, Syncada requires that a 2-character code be sent.</i>	M ID 2/3
Optional	N902	127	Reference Identification (Move Type) Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <ul style="list-style-type: none"> • This data element differentiates certain types of shipments within the same transportation method. This differentiation may be necessary to properly rate a shipment. For example, an LTL shipment where the equipment is dedicated to a “milk run” (i.e. multiple pickups and drop-offs over a dedicated route) or the equipment is returned to origin immediately after final delivery at the request of the shipper (“round trip”) will typically have different pricing than a normal shipment. • Although ANSI allows a maximum of 30 characters for this data element, Syncada requires that a 5-character identifier be sent. 	X AN 1/5
Optional	N903	369	Free-form Description (Spot Bid Indicator) Free-form descriptive text <i>The Spot Bid Indicator indicates that this shipment should not be sent to the Rating Engine because the pricing on the shipment is a special arrangement (i.e. a spot bid) between the buyer and carrier and this price is not set up in the contract. A value of ‘YES’ in this element will prevent a shipment from being sent to the Rating Engine.</i> Limited to: YES Shipment is a spot bid. Do not send to the Rating Engine. <i>Although ANSI allows a maximum of 45 characters for this data element, Syncada requires that a 3-character code be sent.</i>	X AN 3/3

Example: N9*QY*Type1*YES~

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N9 Reference Identification – Business Segment (Rating Factor)

Segment: **N9** Reference Identification – Business Segment (Rating Factor)
Position: 060
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes: 1 At least one of the N902 or N903 is required.
Comments:
Notes:

1. This segment is used to capture information to be used in determining the correct price for a shipment.
2. See Syncada Note #2 in the first section of this specification for the UI presentation format and order of precedence rules.

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Mandatory	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification (i.e. code qualifies element 127) Limited to: BAI Business Identification Number	M ID 2/3
Required	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <ul style="list-style-type: none"> This data element will be used to qualify shipments for the Pricing Engine. For example, some business units within a company may have negotiated different rates within the contract between a transportation services buyer and carrier. In these instances, the N902 is used to locate the correct rate in the contract. Although ANSI allows a maximum of 30 characters for this data element, Syncada requires that a 5-character identifier be sent. 	X AN 1/5

Example: N9*BAI*BSeg1~

N9 Reference Identification – Trading Partner Identification

Segment: **N9** Reference Identification – Trading Partner Identification
Position: 060
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes: 1 At least one of the N902 or N903 is required.
Comments:
Notes:

1. The Trading Partner Identifier (TPI) within an invoice transaction set is used in Transportation to identify the billable organization of the Shipper (i.e. the entity responsible for payment of the invoice number submitted in the B302). Without this identifier, Syncada cannot present the invoice to the billable party. The Syncada best practice location of this Buyer identifier is the N1 loop of the Buying Party. However, if not submitted in the N104 of the buying party N1 loop, it may be submitted here. See Syncada Note #4 in the first section of this specification for a definition of the Buying Party.
2. Syncada will assign a '92' as the qualifier for this Trading Partner Identifier.

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Mandatory	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification (i.e. code qualifies element 127) Limited to: CR Customer Reference Number (Trading Partner Identifier) <i>Used to submit the Buyer sort key, if it has not been submitted in the buyer N1 loop (N104)</i>	M ID 2/3
Required	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <i>Trading Partner Identifier</i>	X AN 2/30

Example: N9*CR*Sortkey1~

N9 Reference Identification – Invoice or Order Number to Link an eBill

Segment: **N9** Reference Identification – Invoice or Order Number to Link an eBill
Position: 060
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes: 1 At least one of the N902 or N903 is required.
Comments:
Notes:

1. This segment should ONLY be submitted for an Electronic Linked eBill.
2. A document is identified as an eBill in the B3 Segment with data element B301 set to 'O'.
3. See Syncada Note #6 in the first section of this specification for details about Electronic Linked eBills.

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Mandatory</u>	<u>Des.</u>	<u>Element</u>		<u>M</u> <u>ID</u> <u>2/3</u>
	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification (i.e. code qualifies element 127) Limited to: WH Master Reference (Link) Number (Used by Syncada to capture Invoice or Order Number to Link an eBill) <i>Although ANSI allows a maximum of 3 characters for this data element, Syncada requires that a 2-character code be sent.</i>	
Required	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <i>Invoice or Order number to which the eBill will be linked.</i>	X AN 1/30
Required	N903	369	Free-form Description Free-form descriptive text <i>This element identifies if the eBill is to be attached to an Invoice or an Order.</i> Limited to: INVOICE ORDER <i>Although ANSI allows a maximum of 45 characters for this data element, Syncada requires that a 5 to 7 character code be sent.</i>	X AN 5/7

Example: N9*WH*InvoiceNumber123*INVOICE~

N9 Reference Identification – User Defined Header Data Element

Segment:	N9 Reference Identification – User Defined Header Data Element
Position:	060
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	3
Purpose:	To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:	1 At least one of the N902 or N903 is required.
Semantic Notes:	
Comments:	
Notes:	

1. If the shipper plans to receive an X12 810 Document Detail outbound file from Syncada, the following additional qualifiers should be considered reserved and not used for user defined fields: 'ZZ', 'CO', 'BM', 'TN', '8X', '06', '10', 'RE', '1Z', 'ACC', 'CT', 'FJ', 'L1', '6R', 'PG'.
2. If a Supplemental Invoice (B301 = 'R') is being submitted, the original invoice number to which the Supplemental Invoice relates must be submitted as one of the three header level user defined fields with a qualifier of 'OI' (N901).
3. See Syncada Note #6 in the first section of this specification for details on submitting an Electronic Unlinked or Linked eBill and a Supplemental Invoice.

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Mandatory	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification <i>This data element contains the qualifier of the optional user-defined data elements related to the shipment header information. It is made available in the Syncada User Interface and in the Business Intelligence Query Reporting Tool.</i>	M ID 2/3
			Any qualifier from the 004010 ANSI list of valid qualifier codes EXCEPT:	
			3Z Custom's Broker Reference Number	
			4C Shipment Destination Code (Used by Syncada to capture Inbound/Outbound Indicator)	
			BAI Business Identification Number	
			BZ Complaint Code (Used by Syncada as Global Collection ID)	
			CN Carrier's Reference Number	
			CR Customer Reference Number (Used by Syncada as Trading Partner Identifier)	
			IV Seller's Invoice Number	
			OG Termination Filing (Used in Syncada as Image File Name)	
			QY Service Performed Code (Used by Syncada to submit Move Type and Spot Bid Indicator)	
			WH Master Reference (Link) Number (Used by Syncada to capture Invoice or Order Number to Link an eBill)	
			<i>Although ANSI allows a maximum of 3 characters for this data element, Syncada requires that a 2-character code be sent.</i>	
Required	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <i>This data element contains the identifier related to the qualifier in the</i>	X AN 1/30

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N901. It is made available in the Syncada user interface and the Business Intelligence Query Reporting Tool.

Example: N9*R1*UserDefinedShipmentHeader1~

G62 Date/Time - Actual Pickup Date

Segment:	G62	Date/Time - Actual Pickup Date
Position:	070	
Loop:		
Level:	Heading	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify pertinent dates and times	
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of G6201 or G6203 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:	<ol style="list-style-type: none"> 1. If the G6203 and G6204 elements are not included, then the Actual Pickup Date will have a time value defaulted to '00:01:00'. 	

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Required	G6201	432	Date Qualifier Code specifying type of date (i.e. code qualifies element 373) Limited to: 86 Actual Pickup Date	X ID 2/2
Required	G6202	373	Date Date expressed as CCYYMMDD	X DT 8/8
Optional	G6203	176	Time Qualifier Code specifying the reported time (i.e. code qualifies element 337) Limited to: 8 Actual Pickup Time	X ID 1/2
Optional	G6204	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)	X TM 4/8

Example: G62*86*20140512*8*0900~

G62 Date/Time - Actual Delivery Date

Segment: **G62** Date/Time - Actual Delivery Date
Position: 070
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 At least one of G6201 or G6203 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:

1. This segment is required for submitting the delivery date. The usage for this segment is set to "optional" to accommodate invoices that are submitted where no delivery information is provided.
2. If this segment is used and the G6203 and G6204 elements are not included, then the Actual Delivery Date will have a time value defaulted to '00:01:00'.

Data Element Summary

<u>Syncada</u> Required	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
	G6201	432	Date Qualifier Code specifying type of date (i.e. code qualifies element 373) Limited to: 35 Delivered on this date	X ID 2/2
Required	G6202	373	Date Date expressed as CCYYMMDD	X DT 8/8
Optional	G6203	176	Time Qualifier Code specifying the reported time (i.e. code qualifies element 337) Limited to: 9 Actual Delivery Time	X ID 1/2
Optional	G6204	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)	X TM 4/8

Example: G62*35*20140514*9*0900~

R3 Route Information - Motor

Segment: **R3** Route Information - Motor
Position: 080
Loop:
Level: Heading
Usage: Required
Max Use: 1
Purpose: To specify carrier and routing sequences and details
Syntax Notes: If R311 is present, then R310 is required.

Comments:

- Notes:**
1. The R3 segment is used to indicate the Transportation Method (R304). It also contains the routing instructions in the R309.

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Mandatory</u>	<u>Des.</u>	<u>Element</u>		
	R301	140	Standard Carrier Alpha Code Standard Carrier Alpha Code	M ID 2/4
Mandatory	R302	133	Routing Sequence Code Code describing the relationship of a carrier to a specific shipment movement Expected, but not limited to: B Origin/Delivery Carrier (Any Mode) <i>Refer to 004010 Data Element Dictionary for acceptable code values.</i>	M ID 1/2
Required	R304	91	Transportation Method/Type Code Code specifying the method or type of transportation for the shipment Expected, but not limited to: E Expedited Truck FL Motor (Flatbed) J Motor LT Less Than Trailer Load (LTL) M Motor Freight (Common Carrier, Truckload) MP Motor Freight (Package Carrier) SC Shipment Agent (Truck) TA Towaway Service TT Tank Truck X Intermodal (Piggyback) <ul style="list-style-type: none"> • Refer to 004010 Data Element Dictionary for acceptable code values. • If R304 is not submitted, the 'LT' is taken as default Transportation Mode. 	O ID 1/2
Optional	R309	369	Free-form Description (Special Instructions) Free-form descriptive text <i>This data element should be used to capture the free-form route information. The R309 element will be written to the Special Instructions edit box on the Marks Tab prefaced with 'SI:'. See Note #2 in the first section of this specification for more details.</i>	O AN 1/45
Optional	R310	284	Service Level Code (Service Provided) Code indicating the level of transportation service or the billing service provided by the transportation carrier Expected, but not limited to: NM Next Morning ON Overnight	X ID 2/2

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			ZZ	Refrigerated Van
			<i>Refer to 004010 Data Element Dictionary for acceptable code values.</i>	
Optional	R311	284	Service Level Code (Service Requested)	X ID 2/2
			Code indicating the level of transportation service or the billing service requested by the transportation buyer.	
			<i>This data element allows the carrier to send the service level requested by the shipper for those scenarios where the shipper is not submitting a document to Syncada.</i>	
			Expected, but not limited to:	
			NM	Next Morning
			ON	Overnight
			ZZ	Refrigerated Van
			<i>Refer to 004010 Data Element Dictionary for acceptable code values.</i>	

Example: R3*SCAC*B**LT*****Route1*NM*NM~

H3 Special Handling Instructions (NOD Instructions in the UI)

Segment:	H3	Special Handling Instructions (NOD Instructions in the UI)
Position:	080	
Loop:		
Level:	Heading	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify special handling instructions in coded or free-form format	
Syntax Notes:	1	Only one of H301 or H302 may be present.
Comments:		
Notes:		

Data Element Summary				
<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Required	Des. H302	Element 153	Special Handling Description	X AN 2/30
			Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate	
			<i>This information is displayed in the User Interface within the NOD Instructions on the Marks Tab.</i>	

Example: H3**NOD INSTRUCTION TEXT~

K1 Remarks – Syncada Note(s)

Segment: **K1** Remarks – Syncada Note(s)
Position: 100
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To transmit information in a free-form format for comment or special instruction
Syntax Notes:
Semantic Notes:
Comments:
Notes:

1. K1 segments are used to generate Notes in the Syncada User Interface. For each K1 segment sent, one Note will be created in Syncada. The value in K102 will be concatenated to the value in K101 to create a single note entry.

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Mandatory	K101	61	Free-Form Message Free-form information	M AN 1/30
Optional	K102	61	Free-Form Message Free-form information	O AN 1/30

Example: K1*PAY BY 20060115~

N1 Selling Party Name – Carrier

Segment:	N1 Selling Party Name – Carrier
Position:	130
Loop:	N1 Loop 0100 Required
Level:	Heading
Usage:	Required
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	<ol style="list-style-type: none"> At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	<ol style="list-style-type: none"> 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.
Notes:	<ol style="list-style-type: none"> The Syncada-required location of the seller identifier is the N1 loop of the Selling Party. See Syncada Note #4 in the first section of this specification for a definition of the Selling Party. The N3 and N4 segments from this loop are not used because Syncada uses the address and geographic information in its Profile Manager for this Selling Party.

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Mandatory</u>	<u>Des.</u>	<u>Element</u>		
	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual Limited to: SE Selling Party <i>Although ANSI allows a maximum of 3 characters for this data element, Syncada requires that a 2-character code be sent.</i>	M ID 2/3
Optional	N102	93	Name Free-form name <i>Carrier's Organization Name.</i>	X AN 1/60
Required	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) Expected, but not limited to: 2 SCAC <i>Refer to 004010 Data Element Dictionary for acceptable code values.</i>	X ID 1/2
Required	N104	67	Identification Code Code identifying a party or other code <i>Syncada uses this identifier to determine the Carrier's Organization to be paid for the services provided under the invoice number submitted in the B302. This data element will almost always be the SCAC, but it may be an identifier other than the SCAC in cases where the carrier's identifier is greater than 4 characters.</i>	X AN 4/80

Example: N1*SE*CarrierOrganizationName*2*CARRIERIDENTIFIER1~

N1 Buying Party Name – Shipper

Segment:	N1 Buying Party Name – Shipper
Position:	130
Loop:	N1 Loop 0100 Required
Level:	Heading
Usage:	Required
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of N102 or N103 is required. 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	<ol style="list-style-type: none"> 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.
Notes:	<ol style="list-style-type: none"> 1. The Trading Partner Identifier (TPI) within an invoice transaction set is used in Transportation to identify the billable organization of the Shipper (i.e. the entity responsible for payment of the invoice number submitted in the B302). Without this identifier, Syncada cannot present the invoice to the billable party. The Syncada best practice location of this Buyer identifier is the N1 loop of the Buying Party. See Syncada Note #4 in the first section of this specification for a definition of the Buying Party. If it cannot be submitted in the N104, then it must be submitted as an N9*CR. 2. The N3 and N4 segments from this loop are not used because Syncada uses the address and geographic information in its Profile Manager for this Buying Party.

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Mandatory</u>	<u>Des.</u>	<u>Element</u>		
	N101	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			Limited to:	
			BY Buying Party (Purchaser)	
			Although ANSI allows a maximum of 3 characters for this data element, Syncada requires that a 2-character code be sent.	
Optional	N102	93	Name	X AN 1/60
			Free-form name	
			Shipper's Organization Name.	
Required	N103	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			Limited to:	
			92 Assigned by Shipper or Shipper's Agent	
			Syncada will assign a '92' to this qualifier regardless of the value that is provided.	
Required	N104	67	Identification Code	X AN 2/80
			Code identifying a party or other code	
			Trading Partner Identifier	

Example: N1*BY*BuyerOrganizationName*92*SORTKEY1~

N1 Ship-From Name

Segment: **N1 Ship-From Name**

Position: 110

Loop: N1 Loop 0100 Conditional

Level: Heading

Usage: Required

Max Use: 1

Purpose: To identify a party by type of organization, name, and code

Syntax Notes: 1 At least one of N102 or N103 is required.

2 If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments:

Notes:

1. Ship-From N1 Loop and N1 Segment information are required for an Invoice and Supplemental Invoice.
2. Ship-From N1 Loop is optional for an Electronic Unlinked or Linked eBill.

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Mandatory	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual Limited to: SF Ship From <i>Although ANSI allows a maximum of 3 characters for this data element, Syncada requires that a 2-character code be sent.</i>	M ID 2/3
Optional	N102	93	Name Free-form name <i>Ship-From Organization Name</i>	X AN 1/60
Optional	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (i.e. code qualifies element 67) Expected, but not limited to: FA Facility Identification <i>Refer to 004010 Data Element Dictionary for acceptable code values.</i>	X ID 1/2
Optional	N104	67	Identification Code Code identifying a party or other code	X AN 2/80

Example: N1*SF*HARTFORD*FA*FACILITYID1~

N3 Ship-From Address Information

Segment: **N3** Ship-From Address Information
Position: 130
Loop: N1 Loop 0100 Conditional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes:

1. Ship-From N1 Loop is required for an Invoice and Supplemental Invoice.
2. Ship-From N1 Loop is optional for an Electronic Unlinked or Linked eBill.

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Mandatory	N301	166	Address Information Address information <i>Although ANSI allows 55 characters for this data element, Syncada only accepts 35 characters.</i>	M AN 1/55
Optional	N302	166	Address Information Address information <i>Although ANSI allows 55 characters for this data element, Syncada only accepts 35 characters.</i>	O AN 1/55

Example: N3*250 EAST MAIN ST~

N4 Ship-From Geographic Location

Segment:	N4 Ship-From Geographic Location
Position:	140
Loop:	N1 Loop 0100 Conditional
Level:	Heading
Usage:	Required
Max Use:	1
Purpose:	To specify the geographic place of the named party
Syntax Notes:	
Semantic Notes:	
Comments:	1 N402 is required only if (N404) = "USA" or "CAN."
Notes:	<ol style="list-style-type: none"> 1. Ship-From N1 Loop and N4 Segment information are required for an Invoice and Supplemental Invoice. 2. Ship-From N1 Loop is optional for an Electronic Unlinked or Linked eBill.

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Required</u>	<u>Des.</u>	<u>Element</u>		
	N401	19	City Name Free-form text for city name	O AN 2/30
Conditional	N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency <i>Valid state codes are defined in the Domestic Mail Manual published by the U.S.P.S.</i> Canadian Provinces and Territories AB Alberta BC British Columbia MB Manitoba NB New Brunswick NF Newfoundland NS Nova Scotia NT Northwest Territories NU Nunavut Territory ON Ontario PE Prince Edward Island QC Quebec SK Saskatchewan YP Yukon Territory	O ID 2/2
Optional	N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States) • <i>Valid zip codes are defined in the Domestic Mail Manual published by the U.S.P.S.</i> • <i>While Syncada does not require this element, its usage is strongly encouraged for countries utilizing a postal code identifier.</i> • <i>Although ANSI allows a maximum of 15 characters for this data element, Syncada will only capture the first 9 characters submitted.</i>	O ID 3/15
Required	N404	26	Country Code Code identifying the country	O ID 2/3

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- Syncada is expecting a three character ISO Standard Country Code. Two character ISO Standard Country Codes are converted to a three character code within the Syncada application.
- Valid country codes are defined in the ISO 3166. See Syncada Note #3 in the first section of this specification.

Example: N4*HARTFORD*CT*06614*USA~

N1 Ship-To Name

Segment:	N1 Ship-To Name
Position:	110
Loop:	N1 Loop 0100 Conditional
Level:	Heading
Usage:	Required
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of N102 or N103 is required. 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	1
Notes:	<ol style="list-style-type: none"> 1. Ship-To N1 Loop and N1 Segment information are required for an Invoice and Supplemental Invoice. 2. Ship-To N1 Loop is optional for an Electronic Unlinked or Linked eBill.

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Mandatory</u>	<u>Des.</u>	<u>Element</u>		
	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual Limited to: ST Ship To <i>Although ANSI allows a maximum of 3 characters for this data element, Syncada requires that a 2-character code be sent.</i>	M ID 2/3
Optional	N102	93	Name Free-form name <i>Ship-To Organization Name.</i>	X AN 1/60
Optional	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification (i.e. code qualifies element 67) Expected, but not limited to: FA Facility Identification <i>Refer to 004010 Data Element Dictionary for acceptable code values.</i>	X ID 1/2
Optional	N104	67	Identification Code Code identifying a party or other code	X AN 2/80

Example: N1*ST*FI INC*FA*FACILITYID2~

N3 Ship-To Address Information

Segment:	N3 Ship-To Address Information
Position:	130
Loop:	N1 Loop 0100 Conditional
Level:	Heading
Usage:	Optional
Max Use:	2
Purpose:	To specify the location of the named party
Syntax Notes:	
Semantic Notes:	
Comments:	
Notes:	<ol style="list-style-type: none">1. Ship-To N1 Loop is required for an Invoice and Supplemental Invoice.2. Ship-To N1 Loop is optional for an Electronic Unlinked or Linked eBill.

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Mandatory	N301	166	Address Information Address information <i>Although ANSI allows 55 characters for this data element, Syncada only accepts 35 characters.</i>	M AN 1/55
Optional	N302	166	Address Information Address information <i>Although ANSI allows 55 characters for this data element, Syncada only accepts 35 characters.</i>	O AN 1/55

Example: N3*2154 ENERGY PARK DRIVE~

N4 Ship-To Geographic Location

Segment:	N4 Ship-To Geographic Location
Position:	140
Loop:	N1 Loop 0100 Conditional
Level:	Heading
Usage:	Required
Max Use:	1
Purpose:	To specify the geographic place of the named party
Syntax Notes:	
Semantic Notes:	
Comments:	1 N402 is required only if (N404) = "USA" or "CAN."
Notes:	<ol style="list-style-type: none"> 1. Ship-To N1 Loop and N4 Segment information are required for an Invoice and Supplemental Invoice. 2. Ship-To N1 Loop is optional for an Electronic Unlinked or Linked eBill.

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Required	N401	19	City Name Free-form text for city name	O AN 2/30
Conditional	N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency <i>Valid state codes are defined in the Domestic Mail Manual published by the U.S.P.S.</i> Canadian Provinces and Territories AB Alberta BC British Columbia MB Manitoba NB New Brunswick NF Newfoundland NS Nova Scotia NT Northwest Territories NU Nunavut Territory ON Ontario PE Prince Edward Island QC Quebec SK Saskatchewan YP Yukon Territory	O ID 2/2
Optional	N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States) <i>Valid zip codes are defined in the Domestic Mail Manual published by the U.S.P.S.</i> <i>While Syncada does not require this element, its usage is strongly encouraged for countries utilizing a postal code identifier.</i> <i>Although ANSI allows a maximum of 15 characters for this data element, Syncada will only capture the first 9 characters submitted.</i>	O ID 3/15
Required	N404	26	Country Code Code identifying the country <i>Syncada is expecting a three character ISO Standard Country Code. Two character ISO Standard Country Codes are converted to a three character code within the Syncada application.</i>	O ID 2/3

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- Valid country codes are defined in the ISO 3166. See Syncada Note #3 in the first section of this specification.

Example: N4*STRATFORD*CT*06614*USA~

N7 Equipment Details

Segment:	N7 Equipment Details
Position:	160
Loop:	N7 Loop 0200 Optional
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To identify the equipment
Syntax Notes:	<ol style="list-style-type: none"> 1 If either N703 or N704 is present, then the other is required. 2 If either N708 or N709 is present, then the other is required.
Semantic Notes:	
Comments:	
Notes:	<ol style="list-style-type: none"> 1. See Syncada Note #2 in the first section of this specification for the order of precedence rules for information displayed in the UI (N722). 2. All of the data elements in this segment are designated as future use except for N722 (Equipment Type). 3. The N7 Loop is not applicable for an Electronic Unlinked or Linked eBills.

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Optional</u>	<u>Des.</u>	<u>Element</u>		
	N701	206	Equipment Initial	O AN 1/4
			Prefix or alphabetic part of an equipment unit's identifying number <i>This data element is captured upon receipt by Syncada, but it is not mapped to the Syncada payment processing database.</i>	
Optional	N702	207	Equipment Number	O AN 1/10
			Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred). <i>This data element is captured upon receipt by Syncada, but it is not mapped to the Syncada payment processing database.</i>	
Optional	N703	81	Weight	X R 1/10
			Numeric value of weight <i>This data element is captured upon receipt by Syncada, but it is not mapped to the Syncada payment processing database.</i>	
Optional	N704	187	Weight Qualifier	X ID 1/2
			Code defining the type of weight (i.e. code qualifies element 81) <i>This data element is captured upon receipt by Syncada, but it is not mapped to the Syncada payment processing database.</i>	
			Expected, but not limited to:	
			FR Freight Weight	
			<i>Refer to 004010 Data Element Dictionary for acceptable code values.</i>	
Optional	N708	183	Volume	X R 1/8
			Value of volumetric measure <i>This data element is captured upon receipt by Syncada, but it is not mapped to the Syncada payment processing database.</i>	
Optional	N709	184	Volume Unit Qualifier	X ID 1/1
			Code identifying the volume unit (i.e. code qualifies element 183)	

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This data element is captured upon receipt by Syncada, but it is not mapped to the Syncada payment processing database.

Expected, but not limited to:

C	Cubic Centimeters
E	Cubic Feet
G	Gallons
N	Cubic Inches
V	Liter

Refer to 004010 Data Element Dictionary for acceptable code values.

Optional	N717	188	Weight Unit Code	O	ID 1/1
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Code specifying the weight unit

This data element is captured upon receipt by Syncada, but it is not mapped to the Syncada payment processing database.

Limited to:

K	Kilograms
L	Pounds

Optional	N722	24	Equipment Type	O	ID 4/4
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Code identifying equipment type

See Syncada Note #2 in the first section of this specification for the UI presentation format and order of precedence rules.

Example: N7**EQ NUMBER*****RV45~

M7 Seal Numbers (Future Use)

Segment: **M7 Seal Numbers (Future Use)**

Position: 170

Loop: N7 Loop 0200 Optional

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:

Notes:

1. The seal numbers are captured upon receipt by Syncada. However, currently they are not mapped to the Syncada payment processing database.
2. The N7 Loop is not applicable for an Electronic Unlinked or Linked eBills.

Data Element Summary

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

Example: M7*45688444*45688445~

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S5 Stop-off Details

Segment: **S5 Stop-off Details**
Position: 010
Loop: S5 Loop 0300 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify stop-off detail reference numbers and stop reason
Syntax Notes:
Semantic Notes:
Comments:
Notes:

1. In the EDI presentation, Syncada does not consider the origin/final destination as a stop-off. DO NOT send either the origin or final destination in the S5. Please send the S5 loop for a stop in-between the origin and final destination. The S501 should always begin with '1'.
2. The S5 Loop and N1 Loop are optional for an Invoice and Supplemental Invoice.
3. The S5 Loop and N1 Loop are not applicable for an Electronic Unlinked or Linked eBill.

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Mandatory	S501	165	Stop Sequence Number Identifying sequential number in which this stop is to be performed relative to all other stops on this shipment.	M NO 1/3
Mandatory	S502	163	Stop Reason Code Code specifying the reason for the stop <i>This data element is not currently mapped in Syncada.</i> Expected, but not limited to: PL Part Load PU Part Unload <i>Refer to 004010 Data Element Dictionary for acceptable code values.</i>	M ID 2/2

Example: S5*1*PU~

G62 Stop-off Date/Time

Segment: **G62** Stop-off Date/Time
Position: 030
Loop: S5 Loop 0300 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 At least one of G6201 or G6203 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:

1. If the G6203 and G6204 elements are not presented, then the Stop-off Time will have a time value defaulted to '13:00:00'.
2. The S5 Loop and N1 Loop are optional for an Invoice and Supplemental Invoice.
3. The S5 Loop and N1 Loop are not applicable for an Electronic Unlinked or Linked eBill.

Data Element Summary

<u>Syncada</u> Required	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
	G6201	432	Date Qualifier Code specifying type of date (i.e. code qualifies element 373) Limited to: 35 Delivered on This Date 86 Actual Pickup Date <i>The Date Qualifier is not currently mapped to Syncada.</i>	X ID 2/2
Required	G6202	373	Date Date expressed as CCYYMMDD	X DT 8/8
Optional	G6203	176	Time Qualifier Code specifying the reported time (i.e. code qualifies element 373) Limited to: 8 Actual Pickup Time 9 Actual Delivery Time <i>The Time Qualifier is not currently mapped to Syncada.</i>	X ID 1/2
Optional	G6204	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)	X TM 4/8

Example: G62*86*20140513*8*1100~

N1 Stop-off Name

Segment: **N1 Stop-off Name**
Position: 050
Loop: N1 Loop 0310 required inside an S5 loop to force an N4 segment to be present
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:
 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments:

Notes:

1. The S5 Loop and N1 Loop are optional for an Invoice and Supplemental Invoice.
2. The S5 Loop and N1 Loop are not applicable for an Electronic Unlinked or Linked eBill.

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Mandatory</u>	<u>Des.</u>	<u>Element</u>		
	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual Limited to: CN Consignee <i>Although ANSI allows a maximum of 3 characters for this data element, Syncada requires that a 2-character code be sent.</i>	M ID 2/3
Required	N102	93	Name Free-form name	X AN 1/60
Optional	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (i.e. code qualifies element 67) Expected, but not limited to: FA Facility Identification <i>Refer to 004010 Data Element Dictionary for acceptable code values.</i>	X ID 1/2
Optional	N104	67	Identification Code Code identifying a party or other code	X AN 2/80

Example: N1*CN*FI SUBSYSTEMS*FA*FACILITYID3~

N3 Stop-off Address Information

Segment: **N3** Stop-off Address Information
Position: 070
Loop: N1 Loop 0310 required inside an S5 loop to force an N4 segment to be present
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes:

1. The S5 Loop and N1 Loop are optional for an Invoice and Supplemental Invoice.
2. The S5 Loop and N1 Loop are not applicable for an Electronic Unlinked or Linked eBill.

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Mandatory	N301	166	Address Information Address information <i>Although ANSI allows 55 characters for this data element, Syncada only accepts 35 characters.</i>	M AN 1/55
Optional	N302	166	Address Information Address information <i>Although ANSI allows 55 characters for this data element, Syncada only accepts 35 characters.</i>	O AN 1/55

Example: N3*214 HWY 425 E~

N4 Stop-off Geographic Location

Segment:	N4 Stop-off Geographic Location
Position:	080
Loop:	N1 Loop 0310 required inside an S5 loop to force an N4 segment to be present
Level:	Detail
Usage:	Required
Max Use:	1
Purpose:	To specify the geographic place of the named party
Syntax Notes:	
Semantic Notes:	
Comments:	1 N402 is required only if city name (N401) is in the U.S. or Canada.
Notes:	<ol style="list-style-type: none"> 1. The S5 Loop and N1 Loop are optional for an Invoice and Supplemental Invoice. 2. The S5 Loop and N1 Loop are not applicable for an Electronic Unlinked or Linked eBill.

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Required	N401	19	City Name Free-form text for city name	O AN 2/30
Conditional	N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency <i>Valid state codes are defined in the Domestic Mail Manual published by the U.S.P.S.</i> Canadian Provinces and Territories AB Alberta BC British Columbia MB Manitoba NB New Brunswick NF Newfoundland NS Nova Scotia NT Northwest Territories NU Nunavut Territory ON Ontario PE Prince Edward Island QC Quebec SK Saskatchewan YP Yukon Territory	O ID 2/2
Optional	N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States) • <i>Valid zip codes are defined in the Domestic Mail Manual published by the U.S.P.S.</i> • <i>While Syncada does not require this element, its usage is strongly encouraged for countries utilizing a postal code identifier.</i> • <i>Although ANSI allows a maximum of 15 characters for this data element, Syncada will only capture the first 9 characters submitted.</i>	O ID 3/15
Required	N404	26	Country Code Code identifying the country • <i>Syncada is expecting a three character ISO Standard Country Code. Two character ISO Standard Country Codes are converted to a three</i>	O ID 2/3

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character code within the Syncada application.

- Valid country codes are defined in the ISO 3166. See Syncada Note #3 in the first section of this specification.

Example: N4*HARTFORD*CT*06614*USA~

LX Assigned Number

Segment: **LX** Assigned Number
Position: 120
Loop: LX Loop 0400 Required
Level: Detail
Usage: Required
Max Use: 1
Purpose: To reference a line number in a transaction set
Syntax Notes:
Semantic Notes:
Comments:
Notes:

1. Each LX Loop corresponds to a single billing line (either a Line Haul Line Item or a Service Charge Line).

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Mandatory	Des. LX01	Element 554	Assigned Number Number assigned for differentiation within a transaction set	M NO 1/6

Example: LX*1~

N9 Reference Identification – General Ledger Accounting Code

Segment: **N9** Reference Identification – General Ledger Accounting Code
Position: 130
Loop: LX Loop 0400 Required
Level: Detail
Usage: Optional
Max Use: 3
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Syntax Notes: 1 At least one of the N902 or N903 is required.

Semantic Notes:

Comments:

Notes:

1. See Syncada Note #5 in the first section of this specification describing the number of N9 segments allowed within an LX loop.
2. Use either the N9*IX segment to provide the GL Alias, or provide the N9*GZ to submit the accounting code. Do not submit both.
3. If an un-segmented accounting code is submitted, the maximum length is 80 characters and the Accounting Code Segment Qualifier will be defaulted to 'ZZ'.
4. There are specific requirements and limitations to submit a multi-segment accounting code using this specification:
 - Each single segment of a multi-segment accounting code has a limit of 80 characters.
 - There is a maximum of 10 accounting code segments.
 - A special setup is needed for the trading partner relationship to identify that a segmented accounting code will be submitted.
 - In the setup, a segment separator is set (such as “^” or “-”).
 - Lastly, the segment setup identifies the number of segments and the values of the Accounting Code Segment Qualifiers.
5. Use of the GZ, ACT and U5 qualifiers is to be as follows:
 - Submit first with the GZ qualifier for an accounting code that is 75 characters or less.
 - If the accounting code is greater than 75 characters, but is 150 or less, then submit the continuation of the accounting code in a second N9 segment with an ACT qualifier.
 - If the accounting code is greater than 150 characters but is 225 characters or less, then submit the continuation of the accounting code in a third N9 segment with a U5 qualifier

Examples of Un-segmented Accounting Code:

N9*GZ*123456789123456~

OR

N9*GZ*123456789123456789123456789123*123456789123456789123456789
123456789123456789~

N9*ACT*12345~ (*Maximum length example*)

Example of Segmented Accounting Code:

N9*GZ*Segment1^Segment2^Segment3^Segment4^Segment5^Segment6~

6 The N9 segment within the LX Loop is not applicable for Electronic Unlinked or Linked eBills.

Data Element Summary				
<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Mandatory</u>	<u>Des.</u>	<u>Element</u>		
	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification (i.e. code qualifies element 127) Limited to: GZ General Ledger Account (1 st GL Code concatenation sequence) ACT Accounting Code (2 nd GL Code concatenation sequence) U5 Successor Account (3 rd GL Code concatenation sequence)	M ID 2/3
Required	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <i>General Ledger Accounting Code as instructed by the Shipper in advance of the shipment. Do not use this segment when the N9*IX segment is used to provide a G/L code alias. See that segment description for more details.</i>	X AN 1/30
Optional	N903	369	Free-form Description <i>If the General Ledger Accounting Code exceeds 30 characters it may be continued in the N903 data element.</i>	X AN 1/45

Example: N9*GZ*00W3~

N9 Reference Identification – Stop Sequence Number

Segment:	N9 Reference Identification – Stop Sequence Number
Position:	130
Loop:	LX Loop 0400 Required
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:	1 At least one of the N902 or N903 is required.
Semantic Notes:	
Comments:	
Notes:	<ol style="list-style-type: none"> 1. This segment is used to match a Line Haul Line Item with a Stop-off location. The N902 value should match the S501 value of the corresponding Stop-off location. A Line Haul Line Item going to the final Ship-To location should have a value of '9999'. 2. If this segment is not included, the Line Haul Line Item will be defaulted as going to the final Ship-To location. 3. See Syncada Note #5 in the first section of this specification describing the number of N9 segments allowed within an LX loop. 4. The N9 segment within the LX Loop is not applicable for Electronic Unlinked or Linked eBills.

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Mandatory	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification (i.e. code qualifies element 127) Limited to: QN Stop Sequence Number <i>Although ANSI allows a maximum of 3 characters for this data element, Syncada requires that a 2-character code be sent.</i>	M ID 2/3
Required	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <i>Stop Sequence Number</i>	X AN 1/30

Example: N9*QN*1~

N9 Reference Identification – Purchase Order Number

Segment:	N9 Reference Identification – Purchase Order Number
Position:	130
Loop:	LX Loop 0400 Required
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:	1 At least one of the N902 or N903 is required.
Semantic Notes:	
Comments:	
Notes:	<ol style="list-style-type: none"> 1. See Syncada Note #5 in the first section of this specification describing the number of N9 segments allowed within an LX loop. 2. The N9 segment within the LX Loop is not applicable for Electronic Unlinked or Linked eBills.

Data Element Summary

<u>Syncada</u>	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mandatory	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification (i.e. code qualifies element 127) Limited to: PO Purchase Order Number <i>Although ANSI allows a maximum of 3 characters for this data element, Syncada requires that a 2-character code be sent.</i>	M ID 2/3
Required	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <i>Purchase Order Number</i>	X AN 1/30

Example: N9*PO*458444~

N9 Reference Identification – Shipper’s Customer Purchase Order Number OR User Defined Line Item Characteristic

Segment:	N9 Reference Identification – Shipper’s Customer Purchase Order Number OR User Defined Line Item Characteristic
Position:	130
Loop:	LX Loop 0400 Required
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:	1 At least one of the N902 or N903 is required.
Semantic Notes:	
Comments:	
Notes:	<ol style="list-style-type: none"> 1. See Syncada Note #5 in the first section of this specification describing the number of N9 segments allowed within an LX loop. 2. The N9 segment within the LX Loop is not applicable for Electronic Unlinked or Linked eBills.

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Mandatory</u>	<u>Des.</u>	<u>Element</u>		
	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification (i.e. code qualifies element 127) Limited to: 4C Shipment Destination Code (Used by Syncada to capture either a Shipper’s Customer PO Number or a first user-defined line item characteristic)	M ID 2/3
			<i>Although ANSI allows a maximum of 3 characters for this data element, Syncada requires that a 2-character code be sent.</i>	
Required	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <ul style="list-style-type: none"> • Provides the ability to submit ‘Shipper’s Customer PO Number’ value or other line item user defined value. • It is accessible in the Business Intelligence Query Reporting tool as the first user defined field. 	X AN 1/30

Example: N9*4C*UDEF1~

N9 Reference Identification – Line Item Number

Segment:	N9 Reference Identification – Line Item Number
Position:	130
Loop:	LX Loop 0400 Required
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:	1 At least one of the N902 or N903 is required.
Semantic Notes:	
Comments:	
Notes:	<ol style="list-style-type: none"> 1. This segment captures the line item number for the information provided in this LX loop. If this N902 is not presented, then the order line number is taken from L501 or L101 in absence of L501 data element. 2. See Syncada Note #5 in the first section of this specification describing the number of N9 segments allowed within an LX loop. 3. The N9 segment within the LX Loop is not applicable for Electronic Unlinked or Linked eBills.

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Mandatory	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification (i.e. code qualifies element 127) Limited to: FJ Line Item Control Number <i>Although ANSI allows a maximum of 3 characters for this data element, Syncada requires that a 2-character code be sent.</i>	M ID 2/3
Required	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <i>Line item number for the line haul line item or service charge.</i>	X AN 1/4

Example: N9*FJ*1~

N9 Reference Identification – Carrier Item Number or GL Accounting Code Alias

Segment:	N9 Reference Identification – Carrier Item Number or GL Accounting Code Alias
Position:	130
Loop:	LX Loop 0400 Required
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:	1 At least one of the N902 or N903 is required.
Semantic Notes:	
Comments:	
Notes:	<ol style="list-style-type: none"> 1. See Syncada Note #5 in the first section of this specification describing the number of N9 segments allowed within an LX loop. 2. The N9 segment within the LX Loop is not applicable for Electronic Unlinked or Linked eBills.

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Mandatory</u>	<u>Des.</u>	<u>Element</u>		
	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification (i.e. code qualifies element 127) Limited to: IX Carrier Item Number OR GL Accounting Code Alias <i>Although ANSI allows a maximum of 3 characters for this data element, Syncada requires that a 2-character code be sent.</i>	M ID 2/3
Required	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <ul style="list-style-type: none"> • Carrier item number. • This element is alternately used to capture the alias for the G/L accounting code, when the shipper's chart of accounts (COA) uses assignment rules to derive the G/L code. This approach is used when the shipper's COA is structured with segmented G/L codes. • Do not send an N9*GZ segment when the N9*IX segment is used for submitting an alias for the shipper's G/L code. 	X AN 1/30

Example: N9*IX*ALIAS~

N9 Reference Identification – User Defined Line Item Data Element

Segment:	N9 Reference Identification – User Defined Line Item Data Element
Position:	130
Loop:	LX Loop 0400 Required
Level:	Detail
Usage:	Optional
Max Use:	3
Purpose:	To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:	1 At least one of the N902 or N903 is required.
Semantic Notes:	
Comments:	
Notes:	<ol style="list-style-type: none"> 1. See Syncada Note #5 in the first section of this specification describing the number of N9 segments allowed within an LX loop. 2. If the shipper plans to receive an X12 810 Document Detail outbound file from Syncada, the following additional qualifiers should be considered reserved and not used for user defined fields: 'CT', '6R', 'PG', '9F' 3. The N9 segment within the LX Loop is not applicable for Electronic Unlinked or Linked eBills.

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Mandatory</u>	<u>Des.</u>	<u>Element</u>		
	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification <i>This data element contains the qualifier of optional user-defined data elements related to the line item. It is made available in the Syncada User Interface and in the Business Intelligence Query Reporting Tool.</i> Any qualifier from the 004010 ANSI list of valid qualifier codes EXCEPT : 4C Shipment Destination Code (Used by Syncada to capture a user-defined line item characteristic) ACT Accounting Code FJ Line Item Control Number GZ General Ledger Account IX Carrier Item Number OR GL Accounting Code Alias PO Purchase Order Number QN Stop Sequence Number U5 Successor Account <i>Although ANSI allows a maximum of 3 characters for this data element, Syncada requires that a 2-character code be sent.</i>	M ID 2/3
Required	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <i>This data element contains the identifier related to the qualifier in the N901. It is made available in the Syncada user interface and the Business Intelligence Query Reporting Tool.</i>	X AN 1/30

Example: N9*S1*UserDefinedShipmentLineItem1~

L5 Description, Marks and Numbers

Segment: **L5** Description, Marks and Numbers

Position: 140

Loop: LX Loop 0400 Required

Level: Detail

Usage: Conditional

Max Use: 1

Purpose: To specify the line item in terms of description, quantity, packaging, and marks and numbers

Syntax Notes: 1 If either L503 or L504 is present, then the other is required.

2 If L507 is present, then L506 is required.

Semantic Notes:

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

Notes: 1. *The L5 Segment is required for Line Haul Line Items and is not required for Service Charges.*

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Optional</u>	<u>L501</u>	<u>213</u>	Lading Line Item Number Sequential Line Number for a lading item	O N0 1/3
Required	L502	79	Lading Description Description of an item as required for rating and billing purposes	O AN 1/50
Optional	L503	22	Commodity Code Code describing a commodity or group of commodities	X AN 1/30
Optional	L504	23	Commodity Code Qualifier Code identifying the commodity coding system used for Commodity Code (i.e. code qualifies element 22)	X ID 1/1
Limited to:				
		2	Dun's SIC 2+2, Dun & Bradstreet	
		3	Empty Non-hazardous Last Contained (HMRC) Code	
		A	Harmonized Tariff Schedule of the United States Annotated	
		B	U.S. Foreign Trade Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States	
		C	Canadian Freight Classification	
		D	Department of Defense Unique Codes	
		E	Coordinated Motor Freight Classification	
		F	National Stock Number	
		G	Canadian Wheat Board, Grain Code for Terminal Elevator Accounting	
		H	Brussels Nomenclature	
		I	Milstamp AITC or Water Commodity Code	
		J	Harmonized System-Based Schedule B	
		K	Federal Supply Classification	
		L	Last Contained Contents STCC	
		M	Dun & Bradstreet Standard Product and Service Code	
		N	National Motor Freight Classification (NMFC)	
		P	Bulk Petroleum Codes	
		Q	Quota Category	
		S	Standard International Trade Classification (SITC)	
		T	Standard Transportation Commodity Code (STCC)	

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			U	Uniform Freight Classification (UFC)		
			V	Standard Industrial Classification (SIC) Code		
			Z	Mutually defined		
Optional	L506	87	Marks and Numbers			X AN 1/48
			Marks and numbers used to identify a shipment or parts of a shipment			
			<i>The L506 data element is used to transmit the Product ID of a Line Item</i>			
Optional	L507	88	Marks and Numbers Qualifier			O ID 1/2
			Code specifying the application or source of Marks and Numbers (i.e. code qualifies element 87)			
			Expected, but not limited to:			
			SM	Shipper Assigned		
			<i>Refer to 004010 Data Element Dictionary for acceptable code values.</i>			

Example: L5**CHEMICAL X*556982254*T**XG-785*SM~

H1 Hazardous Material

Segment: **H1 Hazardous Material**
Position: 150
Loop: LX Loop 0400 Required
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify information relative to hazardous material
Syntax Notes: 1 If either H107 or H108 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment is required when the shipment contains hazardous material.
Notes: 1. *The H1 Segment is optional and is only used with Line Haul Line Items.*

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Mandatory</u>	<u>Des.</u>	<u>Element</u>		
	H101	62	Hazardous Material Code Code relating to hazardous material code qualifier for regulated hazardous materials	M AN 4/10
Optional	H102	209	Hazardous Material Class Code Code specifying the kind of hazard for a material	O AN 1/4
Optional	H103	208	Hazardous Material Code Qualifier Code which qualifies the Hazardous Material Class Code (i.e. code qualifies element 209) Limited to: 4 46 Level DOT Code 6 Airline Tariff 6D 9 Title 49, Code of Federal Regulations (CFR) A International Civil Aviation Organization (ICAO) Code C Storage Compatibility Group D Hazardous Materials ID, DOT E Endorsement F Air Force Joint Manual 24-204 I Intergovernmental Maritime Organization (IMO) Code R Bureau of Explosives (BOE) 6000 Tariff T International Air Transport Association Dangerous Goods Code List U United Nations X Hazard Class or Division	O ID 1/1

Example: H1*UN1209*3*A~

L0 Line Item - Quantity and Weight

Segment:	L0 Line Item - Quantity and Weight
Position:	170
Loop:	LX Loop 0400 Required
Level:	Detail
Usage:	Conditional
Max Use:	1
Purpose:	To specify quantity, weight, volume, and type of service for a line item including applicable "quantity/rate-as" data
Syntax Notes:	<ol style="list-style-type: none"> 1 If either L002 or L003 is present, then the other is required. 2 If either L004 or L005 is present, then the other is required. 3 If either L006 or L007 is present, then the other is required. 4 If either L008 or L009 is present, then the other is required.
Semantic Notes:	1 L008 is the number of handling units of the line item tendered to the carrier.
Comments:	1 If submitting a service charge, L002 and L003 are required. If fuel is predicated on miles, submit the total miles in L002, the qualifier of 'DM' in L003 and submit the rate per mile in L102 and a qualifier of 'PM' in L103
Notes:	1. The L0 Segment is required for Line Haul Line Items.

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>				
Conditional	L002	220	Billed/Rated-as Quantity Basis for rating (weight, miles, value, volume, etc.). <i>Billed Quantity (weight or other rating quantity) or Service Charge Quantity</i> <ul style="list-style-type: none">• This data element is optional for a Line Haul Line Item, but is required by Syncada for a Service Charge line or an Electronic Unlinked or Linked eBill line. If this element is not submitted the Accessorial Charge line quantity is defaulted to '1'.• If fuel is predicated on miles, submit total miles in L002.• Use '1' as the quantity for deficit freight service charge line items.• For a Line Haul Line Item, if no value is submitted the value is defaulted to the value submitted for L004 Weight.• If rating of a Line Haul Line Item is based on Volume, you must submit the Volume Quantity and UOM in the L002 and L003 data elements.	X R 1/11				
Conditional	L003	221	Billed/Rated-as Qualifier Code identifying the type of quantity or value on which the rate or item pricing is based (i.e. code qualifies element 220) <i>Billed Quantity UOM or Service Charge Quantity UOM</i> <ul style="list-style-type: none">• This data element is optional for a Line Haul Line Item, but is required by Syncada for a Service Charge line or an Electronic Unlinked or Linked eBill line. If this element is not submitted the Accessorial Charge line unit of measure (UOM) is defaulted to 'EA'.• If fuel is predicated on miles, submit a DM qualifier in L003.• For a Line Haul Line Item, if no value is submitted the value is defaulted to the 'KG' if B305 Weight Unit Code is 'K', else it is defaulted to 'LB'.• If rating of a Line Haul Line Item is based on Volume, you must submit the Volume Quantity and UOM in the L002 and L003 data elements. Expected, but not limited to: <table><tr><td>BA</td><td>Barrels</td></tr><tr><td>BX</td><td>Box</td></tr></table>	BA	Barrels	BX	Box	X ID 2/2
BA	Barrels							
BX	Box							

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			DM	Miles		
			EA	Each		
			FR	Flat Rate		
			GL	Gallon		
			KG	Kilogram		
			LB	Pound		
			LR	Liter		
			NC	Car		
			Refer to 004010 Data Element Dictionary for acceptable code values.			
Conditional	L004	81	Weight		X	R 1/10
			Numeric value of the actual weight.			
			<ul style="list-style-type: none"> • Actual weight. • This data element is required by Syncada for a Line Haul Line Item if data element L006 is not used. • It is not applicable for a Service Charge or an Electronic Unlinked or Linked eBill line. 			
Conditional	L005	187	Weight Qualifier		X	ID 1/2
			Code defining the type of weight (i.e. code qualifies element 81)			
			<ul style="list-style-type: none"> • This data element is required by Syncada for a Line Haul Line Item if data element L007 is not used. • It is not applicable for a Service Charge or an Electronic Unlinked or Linked eBill line. 			
			Expected, but not limited to:			
			A1	Dimensional Weight		
			B	Billed Weight		
			F	Deficit Weight		
			FR	Freight Weight		
			G	Gross Weight		
			Z	Mutually Defined		
			Refer to 004010 Data Element Dictionary for acceptable code values.			
Conditional	L006	183	Volume		X	R 1/8
			Value of volumetric measure			
			<ul style="list-style-type: none"> • This data element is required by Syncada for a Line Haul Line Item if data element L004 is not used. • It is not applicable for a Service Charge or an Electronic Unlinked or Linked eBill line. 			
Conditional	L007	184	Volume Unit Qualifier		X	ID 1/1
			Code identifying the volume unit (i.e. code qualifies element 183)			
			<ul style="list-style-type: none"> • This data element is required by Syncada for a Line Haul Line Item if data element L005 is not used. • It is not applicable for a Service Charge or an Electronic Unlinked or Linked eBill line. 			
			Expected, but not limited to:			
			C	Cubic Centimeters		
			E	Cubic Feet		
			G	Gallons		
			N	Cubic Inches		
			V	Liter		
			Refer to 004010 Data Element Dictionary for acceptable code values.			
Conditional	L008	80	Lading Quantity		X	NO 1/7
			Number of units (pieces) of the lading commodity			

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			<i>Lading Quantity or Quantity Shipped</i> <ul style="list-style-type: none"> • This data element is required by Syncada for a Line Haul Line Item. • It is not applicable for a Service Charge or an Electronic Unlinked or Linked eBill line. • If no value is submitted for a Line Haul Line Item, value is defaulted to '1'. 	
Conditional	L009	211	Packaging Form Code X ID 3/3	
			Code for packaging form of the lading quantity <ul style="list-style-type: none"> • This data element is required by Syncada for a Line Haul Line Item. • It is not applicable for a Service Charge or an Electronic Unlinked or Linked eBill line. • If no value is submitted for a Line Haul Line Item, value is defaulted to 'EA'. 	
			Expected, but not limited to:	
			BAG	Bag
			BBL	Barrel
			BOX	Box
			CTN	Carton
			DRM	Drum
			PCS	Pieces
			PKG	Package
			PLT	Pallet
			SKD	Skid
			TNK	Tank
			<i>Refer to 004010 Data Element Dictionary for acceptable code values.</i>	

Example: L0**900*LB*900*FR***4*TNK~

L1 Rate and Charges

Segment: **L1 Rate and Charges**

Position: 180

Loop: LX Loop 0400 Required

Level: Detail

Usage: Required (see notes)

Max Use: 1

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

Syntax Notes: 1 If either L102 or L103 is present, then the other is required.

2 At least one of L104, L105, or L106 is required.

Semantic Notes:

Comments:

- Notes:**
1. See the notes for each data element number in this segment for a definition as to when to send, or not send, the information.
 2. If submitting a service charge, L002 and L003 are required. If fuel is predicated on miles, submit the total miles in L002, the qualifier of 'DM' in L003 and submit the rate per mile in L102 and a qualifier of 'PM' in L103

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Optional	Des.	Element		
	L101	213	Lading Line Item Number	O N0 1/3
			Sequential line number for a lading item	
Conditional	L102	60	Freight Rate	X R 1/9
			Rate that applies to the specific commodity	
			<ul style="list-style-type: none"> • This data element is optional for a Line Haul Line Item. • It is required by Syncada for a Service Charge. • If fuel is predicated on miles, submit rate per mile in L102. 	
Conditional	L103	122	Rate/Value Qualifier (Future Use)	X ID 2/2
			Code qualifying how to extend charges or interpret value (i.e. code qualifies element 60)	
			<ul style="list-style-type: none"> • This data element is optional for a Line Haul Line Item. • It is required by Syncada for a Service Charge. • If fuel is predicated on miles, submit a 'PM' qualifier in L103. 	
			Expected, but not limited to:	
			FR Flat Rate	
			KG Per Kilograms	
			LB Per Pound	
			PC Per Car	
			PF Per Cubic Foot	
			PG Per Gallon	
			PM Per Mile	
			PU Per Unit	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Required	L104	58	Charge	X N2 1/12
			For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified	
			Data element L104 is required for Line Haul Line Items and Service Charges.	
Conditional	L108	150	Special Charge or Allowance Code	O ID 3/3
			Code identifying type of special charge or allowance	

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- This data element determines the type of line item submitted for this shipment.
- A 'Null' value or a value of '400' indicates this line item contains a freight charge. Any other value in the L108 indicates this line item contains a service charge.

Other than a 'Null' value, reserved codes that indicate a Line Haul line item type are limited to:

400 Freight

Refer to 004010 Data Element Dictionary for acceptable code values.

Optional L112 276

Special Charge Description

O AN 2/25

Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150

- Data element L112 is optional when sending a Service Charge.
- It is not used for Line Haul Line Items
- Syncada does not use this element as a Service Charge descriptor when a charge code is provided, but rather uses the Charge Code value (L108) to look-up a description in a standardized table of service charge codes.

Example: L1**25.00*FR*2500****STP****STOP CHARGES~

L4 Measurement

Segment: **L4 Measurement**
Position: 190
Loop: LX Loop 0400 Required
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To describe physical dimensions and quantities
Syntax Notes:
Semantic Notes: 1 L406 is the Rounding in Pattern for dimensional shipments.
Comments:
Notes: 1. The L4 Segment is optional and is only used with Line Haul Line Items.

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Mandatory</u>	<u>Des.</u>	<u>Element</u>		
	L401	82	Length Largest horizontal dimension of an object measured when the object is in the upright position	M R 1/8
Mandatory	L402	189	Width Shorter measurement of the two horizontal dimensions measured with the object in the upright position	M R 1/8
Mandatory	L403	65	Height Vertical dimension of an object measured when the object is in the upright position	M R 1/8
Mandatory	L404	90	Measurement Unit Qualifier Code specifying the linear dimensional unit Limited to: C Centimeters E Feet N Inches X Meters	M ID 1/1
Optional	L405	380	Quantity Numeric value of quantity	O R 1/15

Example: L4*45*23*12*N*1~

L7 Tariff Reference

Segment:	L7 Tariff Reference
Position:	200
Loop:	LX Loop 0400 Required
Level:	Detail
Usage:	Conditional
Max Use:	1
Purpose:	To reference details of the tariff used to arrive at applicable rates or charge
Syntax Notes:	
Semantic Notes:	
Comments:	
Notes:	1. The L7 segment is required when a Less Than Truckload shipment (as provided in the R304) is going to be rated by Syncada. It is not required for Truckload shipments (as provided in the R304).

Data Element Summary

<u>Syncada</u> Required	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
	L701	213	Lading Line Item Number Sequential line number for a lading item <i>The Lading Line Item Number must be included when the L7 segment is used.</i>	O NO 1/3
Optional	L702	168	Tariff Agency Code Code defining the tariff bureau or tariff publishing agent that governs the rates applied to this shipment	O ID 1/4
Optional	L703	171	Tariff Number Standard tariff number for the tariff which governs the rates applied to the commodity item(s)	O AN 1/7
Conditional	L707	59	Freight Class Code Code indicating generalized classification that applies to one or more items in the shipment, i.e., class 70, 77.5, etc. <i>The Freight Class Code is required when a Less Than Truckload shipment is going to be rated by Syncada.</i>	O AN 2/5
Optional	L710	373	Effective Date Date expressed as CCYYMMDD	O DT 8/8
Optional	L713	294	Tariff Distance Distance on which the rate for a shipment is based	O NO 1/5
Optional	L714	295	Distance Qualifier Code identifying the distance unit Limited to: A Air Miles B Carrier's Rate Basis Number D Carrier's Docket 28300 Miles F Air Kilometers K Kilometers (Actual) L Tariff Kilometers M Miles (Actual) T Tariff Miles X Maximum Miles	O ID 1/1
Optional	L715	19	City Name Free-form text for city name	O AN 2/30
Optional	L716	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2

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Example: L7*1*TAC*1234567****70***20140201*85*M*CityName*MN~

L3 Total Weight and Charges

Segment:	L3 Total Weight and Charges
Position:	010
Loop:	
Level:	Summary
Usage:	Optional
Max Use:	1
Purpose:	To specify the total shipment in terms of weight, volume, rates, charges, advances, and prepaid amounts applicable to one or more line items
Syntax Notes:	1 If either L301 or L302 is present, then the other is required.
Semantic Notes:	1 L305 is the total charges.
Comments:	
Notes:	1. If the L3 segment is not used, then weight and charge totals will be calculated based on the Line Haul Line Items and Service Charges in the HL Loops

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Optional</u>	<u>Des.</u>	<u>Element</u>		
	L301	81	Weight Numeric value of weight <ul style="list-style-type: none"> The L301 data element is used to display the total weight of the shipment. This field is mapped to Billed Weight at the document header only if there are no L0 02's (Billed/Rated-as Quantity) submitted for Line Haul Line Items. This field is mapped to Actual Weight at the document header only if there are no L0 04's (Weight) submitted for Line Haul Line Items. 	X R 1/10
Optional	L302	187	Weight Qualifier Code defining the type of weight (i.e. code qualifies element 81) Expected, but not limited to: FR Freight Weight Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/2
Optional	L305	58	Charge For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified The total charge for the invoice is taken from B3 07 (Net Amount Due). This field is not mapped.	O N2 1/12

Example: L3*1800*FR***109225~

SE Transaction Set Trailer

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.

Notes:

Data Element Summary

<u>Syncada</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Mandatory	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M NO 1/10
Mandatory	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

Example: SE*56*500000001~

210 Example Transaction Set

New Invoice Submission Example

ISA*00* *00* *02*SenderID *12*8004171844 *160120*1344*U*00401*000000002*0*T*>~
GS*IM*SenderID*8004171844*20160120*134439*2*X*004010~
ST*210*500000001~
B3**00987345*875455700*PP*L*20160120*109225**20150514*035*SCAC~
C3*USD~
N9*3Z*4124~
N9*4C*O~
N9*QY*Type1*YES~
N9*BAI*BSeg1~
N9*R1*UserDefinedShipmentHeader1~
N9*R2*UserDefinedShipmentHeader2~
N9*R3*UserDefinedShipmentHeader3~
G62*86*20150512*8*0900~
G62*35*20150514*9*0900~
R3*SCAC*B**LT****Route1*N*M~
K1*PAY BY 20160218~
N1*SE*CarrierOrganizationName*2*CARRIERIDENTIFIER1~
N1*BY*BuyerOrganizationName*92*SORTKEY1~
N1*SF*HARTFORD*FA*FACILITYID1~
N3*250 EAST MAIN ST~
N4*HARTFORD*CT*06614*USA~
N1*ST*FI INC*FA*FACILITYID2~
N3*2154 ENERGY PARK DRIVE~
N4*STRATFORD*CT*06614*USA~
N7**EQ NUMBER*****RV45~
M7*45688444*45688445~
S5*1*PU~
G62*86*20150513*8*1100~
N1*CN*FI SUBSYSTEMS*FA*FACILITYID3~
N3*214 HWY 425 E~
N4*HARTFORD*CT*06614*USA~
LX*1~
N9*GZ*00W3~
N9*QN*1~
N9*PO*458444~
N9*4C*UDEF1~
N9*FJ*1~
L5**CHEMICAL X*556982254*T**XG-785*SM~
L0**900*LB*900*FR***4*TNK~
L1**59*LB*53100~
L7*1*****85~
LX*2~
N9*GZ*00Z5~
N9*QN*9999~
N9*FJ*2~
L0**900*LB*900*FR***4*TNK~
L1**59*LB*53100~
L7*2*****85~
LX*3~

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N9*FJ*3~
 L0**1*FR~
 L1**25*FR*2500****STP****STOP CHARGES~
 LX*4~
 N9*FJ*4~
 L0**5.25*FR~
 L1**5.25*FR*525****FUE ~
 L3*1800*FR***109225~
 SE*56*500000001~
 GE*000001*000000002~
 IEA*00001*000000002~

Credit Electronic Linked eBill Example

ISA*00* *00* *02*SenderID *12*8004171844 *160120*1344*U*00401*000000002*0*T*>~
 GS*IM*SenderID*8004171844*20160120*134439*2*X*004010~
 ST*210*500000001~
 B3*O*eBillNumber**PP**20160120*-3025****SCAC~
 C3*USD~
 N9*WH*InvoiceNumber*INVOICE~
 R3*SCAC*B**LT~
 N1*SE*CarrierOrganizationName*2*CARRIERIDENTIFIER1~
 N1*BY*BuyerOrganizationName*92*SORTKEY1~
 N1*SF*HARTFORD*FA*FACILITYID1~
 N3*250 EAST MAIN ST~
 N4*HARTFORD*CT*06614*USA~
 N1*ST*FI INC*FA*FACILITYID2~
 N3*2154 ENERGY PARK DRIVE~
 N4*STRATFORD*CT*06614*USA~
 LX*1~
 L1*1*25*FR*-2500****STP****STOP CHARGES~
 LX*2~
 L1*2*5.25*FR*-525****FUE~
 SE*18*500000001~
 GE*000001*000000002~
 IEA*00001*000000002~

Change Log

Date	Version	Segment	Description of Change
2014-02-04	1-21-1	All	Format of document updated. The specification requirements were not changed.
2014-04-28	1-21-1	End of Document	Added confidentiality statement.
2014-08-29	1-22-0	Many	<ul style="list-style-type: none"> - L5 Description, Marks and Numbers: Changed Usage from Optional to Conditional and changed Max Use from 30 to 1. - H1 Hazardous Material: Changed Max Use from 3 to 1. - L0 Line Item – Quantity and Weight: Changed Max Use from 10 to 1. - L1 Rate and Charges: Changed Max Use from 10 to 1. - L4 Measurement: Changed Max Use from 10 to 1. - L7 Tariff Reference: Changed Max Use from 10 to 1. - The following Segments were removed: <ul style="list-style-type: none"> o N9 Reference identification – Credit Invoice Number (Doc Header) o N9 Reference identification – Tax Type (Doc Header) o N9 Reference identification – Tax Basis (Doc Header) o N9 Reference identification – Tax Percent (Doc Header) o N9 Reference identification – Tax Jurisdiction Code Qualifier (Doc Header) o N9 Reference identification – Tax Jurisdiction (Doc Header) o N9 Reference identification – Header Tax Amount (Doc Header) o N9 Reference identification – Seller Alternate IDs (Doc Header) o N9 Reference identification – Buyer Alternate IDs (Doc Header) o N9 Reference identification – Tax Type (Line Item) o N9 Reference identification – Tax Basis (Line Item) o N9 Reference identification – Tax Percent (Line Item) o N9 Reference identification – Tax Jurisdiction Code Qualifier (Line Item) o N9 Reference identification – Tax Jurisdiction (Line Item) o N9 Reference identification – Header Tax Amount (Line Item) - Added “Conditional” to the list of Syncada Usage options. - Field B305 – Weight Unit Code: Added additional options to the codes listed. - Across the specification, corrected reference to notes at the beginning of the spec. - For field N901 in each of the User Defined fields attached to the document header updated the table of Syncada reserved codes. - In Segments G62 (Actual Pickup Date & Actual Delivery Date) for fields G6203 and G6204, changed Syncada Usage from “Conditional” to “Optional”. - In Segments N1 (Selling Party Name & Buyer Party Name) for field N102, changed Syncada Usage from “Conditional” to “Optional”. - In Segments N1 (Ship-From Name & Ship-To Name) for fields N102, N103, and N104, changed Syncada Usage from “Conditional” to “Optional”. - In Segment N7 (Equipment Details) for fields N703, N704, N708, and N709, changed Syncada Usage from “Conditional” to “Optional”. - In Segment G62 (Stop-off Date/Time) for fields G6201 and G6202, changed Syncada Usage from “Conditional” to “Required”. Also, for fields G6203 and G6204 changed Syncada Usage from “Conditional” to “Optional”. - In Segment N1 (Stop-off Name) for fields N103 and N104, changed Syncada Usage from “Conditional” to “Optional”. - For field N901 in each of the User Defined fields attached to the line item updated the table of Syncada reserved codes. - In Segment L0 (Line Item – Quantity and Weight) for fields L002 through L009, changed Syncada Usage from “Optional” to “Conditional”. - In Segment L1 (Rate and Charges) for fields L102, L103, and L108,

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Date	Version	Segment	Description of Change
			<p>changed Syncada Usage from "Optional" to "Conditional". Also for field L108, removed mention of code "750" for VAT Charge from the text and added code "COF".</p> <ul style="list-style-type: none"> - In Segment L7 (Tariff Reference) for field L701, changed Syncada Usage from "Optional" to "Required" and for field L707, changed Syncada Usage from "Optional" to "Conditional".
2014-11-20	1-22-1	N9 – Geographic Location AND L0 – Line Item – Quantity and Weight	<p>Some minor textual updates and clarifications were included:</p> <ul style="list-style-type: none"> • In all N4 Geographic Location sections, for field N402 (State or Province Code), changed Syncada Usage from "Required" to "Conditional". • In Segment L0 (Line Item – Quantity and Weight), added value default logic which occurs if a value is not submitted for the following fields: L002 (Billed /Rated-as Quantity), L003 (Billed/Rated-as Qualifier), L008 (Lading Quantity), and L009 (Packaging Form Code).
2015-09-28	1-23-0	Transaction Set Notes	<ul style="list-style-type: none"> • Removed all reference to submission of Manifest Invoices. This capability was not implemented.
		B3 – Beginning Segment for Carrier's Invoice	<ul style="list-style-type: none"> • B301 – Shipment Qualifier: Switched from Syncada Optional to Syncada Conditional. Also enhanced instructions on how to use this field for eBills and Supplemental Invoices. • B304 – Shipment Method of Payment: Removed "TP" (Third Party Pay) as an option. Standard specification only supports "CC" and "PP". • B305 – Weight Unit Code: Remove listing of codes that are not supported by Syncada.
		N9 – Reference Identification – Seller Order Number	Added note that this field will not be mapped if the document is an eBill or Supplemental Invoice
		N9 – Reference Identification – Inbound/Outbound Indicator	This segment was changed from "Required" to "Optional". If the direction indicator is not submitted, the direction indicator mapped to Syncada will be derived from B304 (Shipment Method of Payment).
		N9 – Reference Identification – User Defined Header Data Element #1, #2, AND #3	Added the following note: If the buyer plans to receive an X12 810 Document Detail outbound file from Syncada, the following additional qualifiers should be considered reserved and not used for user defined fields: "ZZ", "CO", "BM", "TN", "8X", "06", "10", "RE", "1Z", "ACC", "CT", "FJ", "L1", "6R", "PG"
		G62 Date/Time – Actual Pickup Date AND Actual Delivery Date	Corrected the default time.
		N4 Ship-From Geographic Location AND N4 Ship-To Geographic Location	Removed data element N405 (Location Qualifier) and N406 (Location Identifier). They are not being mapped to Syncada.
		N7 Equipment Details	<ul style="list-style-type: none"> • Added note: All of the data elements in this segment are designated as future use except for N722 (Equipment Type). • N702 - Equipment Number: Correction to indicate that this field is optional in the X12 standard.
		G62 Stop-off Date/Time	Correct the default time.
		N9 Reference Identification – General Ledger Accounting Code	<ul style="list-style-type: none"> • Corrected Max Use to "3". • Enhanced notes to explain how to use this segment to submit segmented accounting codes (added Notes 3 and 4)
		N9 Reference Identification – User Defined Line Item Data Element #1, #2, AND #3	Added the following note: If the buyer plans to receive an X12 810 Document Detail outbound file from Syncada, the following additional qualifiers should be considered reserved and not used for user defined fields: "CT", "6R", "PG", "9F"
		POD Proof of Delivery	Removed this segment. Mapping of this segment was not implemented.
		L5 Description, Marks and Numbers	Added data element L501 (Lading Line Item Number) as "Optional".
		H1 Hazardous Material	Added listing of valid qualifiers for H103 (Hazardous Material Code Qualifier).
		L0 Line Item – Quantity and Weight	<ul style="list-style-type: none"> • Corrected segment usage from Optional to Conditional. • For data element L003 (Billed/Rated-as Qualifier), corrected explanation of default logic. • For data elements L006 (Volume) and L007 (Volume Unit Qualifier), removed default logic statements. • For data elements L008 (Lading Quantity) and L009 (Packaging Form

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Date	Version	Segment	Description of Change
			Code), added default logic statements. <ul style="list-style-type: none"> Removed data element L012 (Type of Service Code). It is not being mapped to Syncada.
		L1 Rate and Charges	<ul style="list-style-type: none"> Added data element L101 (Lading Line Item Number) as "Optional". L108 - Special Charge or Allowance Code: Removed reference to value "COF" as indicating that the line is a freight charge. Only a NULL value or "400" indicates that the line is a freight charge.
		L4 Measurement	<ul style="list-style-type: none"> Correct Max Use to "10". Added note: The L4 Segment is optional and is only used with Line Haul Line Items. L405 - Measurement Unit Qualifier: Added listing of valid qualifiers.
		L7 Tariff Reference	<ul style="list-style-type: none"> Corrected segment usage from Optional to Conditional L714 - Distance Qualifier: Added listing of valid qualifiers.
		210 Example Transaction Set	Example was missing some segments at the end. Corrected.
2015-11-16	1-24-0	Transaction Set Notes	Added information about new capability to submit an Electronic Linked eBill.
		B3 Beginning Segment for Carrier's Invoice	B301 – Enhanced instructions on how to use this field for eBills and Supplemental Invoices.
		N9 Reference Identification – Invoice or Order Number to Link an eBill	The Invoice or Order number to which the eBill will be linked will be submitted in an N9 segment with the new reserved qualifier of "WH".
		N9 Reference Identification – User Defined Header Data Element #1, #2, AND #3	N901 - Added reserved qualifier "WH" - Master Reference (Link) Number (Used by Syncada to capture Invoice or Order Number to Link an eBill)
2017-06-24	1-24-1	All	Added enhanced descriptions and field details.
		C3 Currency	Corrected segment usage from Required to Optional
		N9 Reference Identification - Line Item Number	Corrected segment usage from Required to Optional
		Credit Electronic Linked eBill Example	Added an example of a linked eBill.
2017-11-13	1-24-2	H3 Special Handling Instructions (NOD Instructions in the UI)	Minor changes to Purpose, Syntax Notes, and data element description.
		All	Minor textual updates to a number of the segments.

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