

# CONTAX, Inc.

Intelligent Logistics

## Motor Carrier Freight Details and Invoice

ANSI X12 Transaction Set 210 · Version 4010

<b>Transaction Set</b>	210
<b>Version</b>	ANSI X12 Version 4010 (004010)
<b>Functional Group ID</b>	IM
<b>Specification Version</b>	2.1
<b>Issued</b>	2026-06-16
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# Introduction

This document defines the CONTAX implementation of the Motor Carrier Freight Details and Invoice Transaction Set (210) under ANSI X12 Version 4010. It is intended for developers at transportation carriers configuring EDI feeds to the CONTAX Intelligent Logistics (IL) platform.

The 210 transaction set is used to transmit freight charges and invoice detail from a motor carrier to CONTAX. It supports both invoice-to-payment workflows and informational charge detail.

### Key conventions:

- Req. Des. M = Mandatory; O = Optional; X = Conditional (see syntax notes); N/U = Not Used.
- Dates use CCYYMMDD format unless otherwise noted. Times use HHMM to HHMMSSDD.
- ISA06 and ISA08 must be exactly 15 characters, padded with trailing spaces.
- ISA13 (Interchange Control Number) must be 9 digits, zero-padded, and must match IEA02 exactly.
- The segment terminator is '~'; the element separator is '\*'; the subelement separator is '>'.
- GS06 must match GE02. ST02 must match SE02.

## Transaction Set Map

Pos.	Seg.	Name	Req.	Max Use	Loop Repeat	Notes
010	ST	Transaction Set Header	M	1		Must Use
020	B3	Beginning Segment for Carrier's Invoice	M	1		Must Use
040	C3	Currency	O	1		
060	N9	Reference Identification	O	300		
070	G62	Date/Time	O	6		
100	K1	Remarks	O	10		
110	N1	Name	M	1	10	Loop N1 — parties
130	N3	Address Information	O	2	N1	
140	N4	Geographic Location	O	1	N1	
120	LX	Assigned Number	M	1	999	Loop LX — line items
140	L5	Description, Marks and Numbers	O	10	LX	
170	L0	Line Item — Quantity and Weight	O	10	LX	
180	L1	Rate and Charges	O	10	LX	
190	L4	Measurement	O	10	LX	Physical dimensions
200	L7	Tariff Reference	O	10	LX	
210	CD3	Carton (Package) Detail	O	1	999999	Loop CD3

<b>010</b>	<b>L3</b>	Total Weight and Charges	O	1		Must Use
<b>020</b>	<b>SE</b>	Transaction Set Trailer	M	1		Must Use

# ISA — Interchange Control Header

Envelope · Mandatory · Max Use: 1

<b>Purpose</b>	Starts and identifies an interchange of one or more functional groups.
<b>Notes</b>	ISA06 and ISA08 must be exactly 15 characters. ISA13 is 9 digits, zero-padded, and must match IEA02.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
ISA01	I01	Authorization Information Qualifier	M ID 2/2	00 = No Authorization Information Present
ISA02	I02	Authorization Information	M AN 10/10	Exactly 10 chars; pad with trailing spaces
ISA03	I03	Security Information Qualifier	M ID 2/2	00 = No Security Information Present
ISA04	I04	Security Information	M AN 10/10	Exactly 10 chars; pad with trailing spaces
ISA05	I05	Interchange ID Qualifier (Sender)	M ID 2/2	Valid 4010 qualifier (e.g., ZZ, 01, 08, 12)
ISA06	I06	Interchange Sender ID	M AN 15/15	Exactly 15 chars — pad with trailing spaces
ISA07	I05	Interchange ID Qualifier (Receiver)	M ID 2/2	Valid 4010 qualifier
ISA08	I07	Interchange Receiver ID	M AN 15/15	Exactly 15 chars — pad with trailing spaces
ISA09	I08	Interchange Date	M DT 6/6	YYMMDD
ISA10	I09	Interchange Time	M TM 4/4	HHMM
ISA11	I10	Interchange Control Standards Identifier	M ID 1/1	U (fixed) = U.S. EDI Community (ASC X12, TDCC, UCS)
ISA12	I11	Interchange Control Version Number	M ID 5/5	00401 (fixed) = Version 4010
ISA13	I12	Interchange Control Number	M N0 9/9	9 digits zero-padded. Must match IEA02.
ISA14	I13	Acknowledgment Requested	M ID 1/1	0 = No Acknowledgment Requested; 1 = Requested
ISA15	I14	Test Indicator	M ID 1/1	P = Production Data; T = Test Data
ISA16	I15	Subelement Separator	M AN 1/1	Must differ from element separator. '~' reserved for segment terminator.

## GS — Functional Group Header

Envelope · Mandatory · Max Use: 1

<b>Purpose</b>	Indicates the beginning of a functional group and provides control information.
<b>Semantic Note 1</b>	GS04 is the group date.
<b>Semantic Note 2</b>	GS05 is the group time.
<b>Semantic Note 3</b>	GS06 must match GE02.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
<b>GS01</b>	479	Functional Identifier Code	M ID 2/2	IM = Motor Carrier Freight Details and Invoice (210, 980)
<b>GS02</b>	142	Application Sender's Code	M AN 2/15	Trading partner sender ID
<b>GS03</b>	124	Application Receiver's Code	M AN 2/15	Trading partner receiver ID
<b>GS04</b>	373	Date	M DT 8/8	CCYYMMDD
<b>GS05</b>	337	Time	M TM 4/6	HHMM, HHMMSS, HHMMSSD, or HHMMSSDD
<b>GS06</b>	28	Group Control Number	M N0 1/9	Must match GE02
<b>GS07</b>	455	Responsible Agency Code	M ID 1/2	X = ASC X12; T = TDCC
<b>GS08</b>	480	Version/Release/Industry Identifier Code	M AN 1/12	004010

# ST — Transaction Set Header

Header · Position 010 · Mandatory · Max Use: 1

<b>Purpose</b>	Indicates the start of a transaction set and assigns a control number.
<b>Semantic Note 1</b>	ST01 is used by translation routines to select the appropriate transaction set definition.
<b>Notes</b>	ST02 must match SE02.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
<b>ST01</b>	143	Transaction Set Identifier Code	M ID 3/3	210 = Motor Carrier Freight Details and Invoice
<b>ST02</b>	329	Transaction Set Control Number	M AN 4/9	Unique within the functional group. Must match SE02.

## B3 — Beginning Segment for Carrier's Invoice

Header · Position 020 · Mandatory · Max Use: 1

<b>Purpose</b>	Transmits basic data relating to the carrier's invoice.
<b>Syntax Note 1</b>	If either B309 or B310 is present, then the other is required.
<b>Semantic Note 1</b>	B306 is the billing date.
<b>Semantic Note 2</b>	On collect freight bills B309 = actual delivery date. When invoiced prior to delivery, B309 = estimated delivery date.
<b>Semantic Note 3</b>	If B314 is used, B304 indicates the party or parties responsible for payment of the transportation terms in B314.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
<b>B301</b>	138	Shipment Quality Code	N/U	Not used in this implementation.
<b>B302</b>	76	Invoice Number	M AN 1/22	Identifying number assigned by issuer
<b>B303</b>	145	Shipment Identification Number	0 AN 1/30	Assigned by shipper. No blanks or special characters.
<b>B304</b>	146	Shipment Method of Payment	M ID 2/2	PP = Prepaid (by Seller); CC = Collect; DE = Per Contract; MX = Mixed; TP = Third Party
<b>B305</b>	188	Weight Unit Code	0 ID 1/1	L = Pounds
<b>B306</b>	373	Date (Billing Date)	M DT 8/8	CCYYMMDD
<b>B307</b>	193	Net Amount Due	M N2 1/12	Total charges in the currency specified
<b>B309</b>	32	Delivery Date	X DT 8/8	CCYYMMDD. Required if B310 present.
<b>B310</b>	374	Date/Time Qualifier	X ID 3/3	035 = Delivered; 140 = Actual. Required if B309 present.
<b>B311</b>	140	Standard Carrier Alpha Code (SCAC)	M ID 2/4	Carrier's SCAC code
<b>B312</b>	373	Date (Pick-up Date)	0 DT 8/8	CCYYMMDD

## C3 — Currency

Header · Position 040 · Optional · Max Use: 1

<b>Purpose</b>	Specifies the currency used in the transaction set.
<b>Semantic Note 1</b>	C301 is the billing currency.
<b>Semantic Note 2</b>	C303 is the payment currency.
<b>Semantic Note 3</b>	C304 is the rated currency.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
<b>C301</b>	100	Currency Code	M ID 3/3	ISO 4217 code (e.g., USD, CAD, EUR)
<b>C302</b>	280	Exchange Rate	0 R 4/10	Multiplier conversion factor between currencies
<b>C303</b>	100	Currency Code	0 ID 3/3	Payment currency code

## N9 — Reference Identification

Header · Position 060 · Optional · Max Use: 300

<b>Purpose</b>	Transmits reference numbers associated with the invoice or shipment.
<b>Syntax Note 1</b>	At least one of N902 or N903 is required.
<b>Syntax Note 2</b>	If N906 is present, then N905 is required.
<b>Semantic Note 1</b>	N906 reflects the time zone the time reflects.
<b>Semantic Note 2</b>	N907 contains data relating to the value cited in N902.
<b>Semantic Note 3</b>	When N901 = SCA, N902 contains the SCAC of the interline carrier. Required for third-party logistics providers.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
<b>N901</b>	128	Reference Identification Qualifier	M ID 2/3	BM = Bill of Lading; PO = Purchase Order; SCA = SCAC. Any valid 4010 element 128 qualifier accepted.
<b>N902</b>	127	Reference Identification	X AN 1/30	Required if N903 absent.

## G62 — Date/Time

Header · Position 070 · Optional · Max Use: 6

<b>Purpose</b>	Specifies pertinent dates and times.
<b>Syntax Note 1</b>	At least one of G6201 or G6203 is required.
<b>Syntax Note 2</b>	If either G6201 or G6202 is present, then the other is required.
<b>Syntax Note 3</b>	If either G6203 or G6204 is present, then the other is required.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
<b>G6201</b>	432	Date Qualifier	X ID 2/2	11 = Shipped on This Date; 35 = Delivered on This Date; 86 = Actual Pickup Date. Required if G6202 present.
<b>G6202</b>	373	Date	X DT 8/8	CCYYMMDD. Required if G6201 present.
<b>G6203</b>	176	Time Qualifier	X ID 1/2	8 = Actual Pickup Time. Required if G6204 present.
<b>G6204</b>	337	Time	X TM 4/8	HHMM to HHMMSSDD. Required if G6203 present.

# K1 — Remarks

Header · Position 100 · Optional · Max Use: 10

<b>Purpose</b>	Transmits free-form information for comment or special instruction.
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Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
<b>K101</b>	61	Free-Form Message	M AN 1/30	Free-form information

**LOOP N1 — PARTY IDENTIFICATION (REPEATS UP TO 10)**

## N1 — Name

Header · Position 110 · Mandatory · Max Use: 1 per loop

<b>Purpose</b>	Identifies a party by type of organization, name, and code.
<b>Syntax Note 1</b>	At least one of N102 or N103 is required.
<b>Syntax Note 2</b>	If either N103 or N104 is present, then the other is required.
<b>Comment 1</b>	N105 and N106 further define the type of entity in N101.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
<b>N101</b>	98	Entity Identifier Code	M ID 2/3	SH = Shipper; CN = Consignee; BT = Bill-to-Party; AC = Carrier Account
<b>N102</b>	93	Name	X AN 1/60	Free-form name. Required if N103 absent.
<b>N103</b>	66	Identification Code Qualifier	X ID 1/2	AC = Carrier Account. Required if N104 present.
<b>N104</b>	67	Identification Code	M AN 2/17	Account number with carrier. Required if N103 present.

## N3 — Address Information

Header · Optional · Max Use: 2 [within Loop N1]

<b>Purpose</b>	Specifies the location of the named party.
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Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
N301	166	Address Information	M AN 1/55	Address line 1
N302	166	Address Information	0 AN 1/55	Address line 2 (continued)

## N4 — Geographic Location

Header · Optional · Max Use: 1 [within Loop N1]

<b>Purpose</b>	Specifies the geographic place of the named party.
<b>Syntax Note 1</b>	If N406 is present, then N405 is required.
<b>Comment 1</b>	N402 is required only if city name (N401) is in the U.S. or Canada.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
N401	19	City Name	0 AN 2/30	Free-form city name
N402	156	State or Province Code	0 ID 2/2	Standard state/province code
N403	116	Postal Code	0 ID 3/15	Postal zone code (no punctuation or blanks for U.S.)
N404	26	Country Code	0 ID 2/3	ISO country code

**LOOP LX — LINE ITEM DETAIL (REPEATS UP TO 999)**

## LX — Assigned Number

*Detail · Position 120 · Mandatory · Max Use: 1 per loop*

<b>Purpose</b>	References a line number within the transaction set.
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Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
LX01	554	Assigned Number	M N0 1/6	Number assigned for differentiation within the transaction set

## L5 — Description, Marks and Numbers

Detail · Position 140 · Optional · Max Use: 10 [within Loop LX]

<b>Purpose</b>	Specifies the line item in terms of description, quantity, packaging, and marks and numbers.
<b>Syntax Note 1</b>	If either L503 or L504 is present, then the other is required.
<b>Syntax Note 2</b>	If L507 is present, then L506 is required.
<b>Syntax Note 3</b>	If either L508 or L509 is present, then the other is required.
<b>Semantic Note 1</b>	L502 may be used to send quantity information as part of the product description.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
<b>L501</b>	213	Lading Line Item Number	0 N0 1/3	Sequential line number for lading item
<b>L502</b>	79	Lading Description	0 AN 1/50	Description for rating and billing purposes
<b>L503</b>	22	Commodity Code	X AN 1/30	Required if L504 present.
<b>L504</b>	23	Commodity Code Qualifier	X ID 1/1	N = NMFC; T = STCC. Required if L503 present.

## L0 — Line Item — Quantity and Weight

Detail · Position 170 · Optional · Max Use: 10 [within Loop LX]

<b>Purpose</b>	Specifies quantity, weight, volume, and type of service for a line item.
<b>Syntax Note 1</b>	If either L002 or L003 is present, then the other is required.
<b>Syntax Note 2</b>	If either L004 or L005 is present, then the other is required.
<b>Syntax Note 3</b>	If either L006 or L007 is present, then the other is required.
<b>Syntax Note 4</b>	If either L008 or L009 is present, then the other is required.
<b>Syntax Note 5</b>	If L011 is present, then L004 is required.
<b>Syntax Note 6</b>	If either L013 or L015 is present, then the other is required.
<b>Semantic Note 1</b>	L008 is the number of handling units of the line item tendered to the carrier.
<b>Semantic Note 2</b>	L013 can only be used if the code in L009 is PLT, SKD, or SLP.
<b>Semantic Note 3</b>	L015 designates whether the carrier will be required to verify the number of units on a pallet, slip sheet, or skid.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
L001	213	Lading Line Item Number	0 N0 1/3	Sequential line number
L002	220	Billed/Rated-as Quantity	X R 1/11	Basis for rating. Required if L003 present.
L003	221	Billed/Rated-as Qualifier	X ID 2/2	LB = Pound; LC = 100 Pounds. Required if L002 present.
L004	81	Weight	X R 1/10	Numeric weight value. Required if L005 present.
L005	187	Weight Qualifier	X ID 1/2	G = Gross; N = Actual Net; F = Deficit; B = Billed; T = Tare; E/M/O/S = other 4010 values. Required if L004 present.
L006	183	Volume	X R 1/8	Volume value. Required if L007 present.
L007	184	Volume Unit Qualifier	X ID 1/1	E = Cubic Feet; X = Cubic Meters. Required if L006 present.
L008	80	Lading Quantity	X N0 1/7	Number of handling units. Required if L009 present.
L009	211	Packaging Form Code	X ID 3/3	PCS; PLT; SKD; CTN; BOX; BDL; CAS; ROL; SLP; etc. Required if L008 present.
L011	188	Weight Unit Code	0 ID 1/1	E/G/K/L/M/O/S/T — if present, L004 required.

# L1 — Rate and Charges

Detail · Position 180 · Optional · Max Use: 10 [within Loop LX]

<b>Purpose</b>	Specifies rate and charge detail relative to a line item, including freight charges, advances, and special charges.
<b>Syntax Note 1</b>	If either L102 or L103 is present, then the other is required.
<b>Syntax Note 2</b>	At least one of L104, L105, or L106 is required.
<b>Syntax Note 3</b>	If either L114 or L115 is present, then the other is required.
<b>Syntax Note 4</b>	If either L117 or L118 is present, then the other is required.
<b>Semantic Note 1</b>	L119 is the percent used to determine the charge in L104.
<b>Semantic Note 2</b>	L120, if used, indicates the currency for all monetary amounts in this L1 segment.
<b>Semantic Note 3</b>	L121 is the origin rated as charge amount.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
<b>L101</b>	213	Lading Line Item Number	0 N0 1/3	Sequential line number
<b>L102</b>	60	Freight Rate	X R 1/9	Rate for commodity. Required if L103 present.
<b>L103</b>	122	Billed/Rated-as Qualifier	X ID 2/2	CT = % of Total; MN = Minimum; PH = Per Hundred (Basic Unit). Required if L102 present.
<b>L104</b>	58	Charge	X N2 1/12	Freight or special charge amount.
<b>L108</b>	150	Special Charge or Allowance Code	0 ID 3/3	See Appendix A. Any valid 4010 element 150 code accepted.
<b>L112</b>	276	Special Charge Description	0 AN 2/25	Free-form description when L108 code unavailable

## L4 — Measurement

Detail · Position 190 · Optional · Max Use: 10 [within Loop LX]

<b>Purpose</b>	Describes physical dimensions and quantities for a line item.
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Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
L401	82	Length	M R 1/8	Largest horizontal dimension measured when object is upright
L402	189	Width	M R 1/8	Shorter of the two horizontal dimensions measured when object is upright
L403	65	Height	M R 1/8	Vertical dimension measured when object is upright
L404	90	Measurement Unit Qualifier	M ID 1/1	C = Centimeters; N = Inches
L406	1271	Industry Code	0 AN 1/30	Code indicating a code from a specific industry code list

## L7 — Tariff Reference

Detail · Position 200 · Optional · Max Use: 10 [within Loop LX]

<b>Purpose</b>	References tariff details used to arrive at applicable rates or charges.
<b>Semantic Note 1</b>	L710 is the effective date.
<b>Semantic Note 2</b>	In L715 and L716, 'City' and 'State' are used for rate combination city and state.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
L701	213	Lading Line Item Number	0 N0 1/3	Sequential line number
L702	168	Tariff Agency Code	0 ID 1/4	Code for the tariff bureau governing rates
L703	171	Tariff Number	0 AN 1/7	Standard tariff number governing rates
L707	59	Freight Class Code	0 AN 2/5	Generalized freight class (e.g., 70, 77.5, 100)
L713	294	Tariff Distance	0 N0 1/5	Distance on which the rate for a shipment is based
L714	295	Distance Qualifier	0 ID 1/1	T = Tariff Miles

**LOOP CD3 — CARTON (PACKAGE) DETAIL (MAX USE: 1 PER LX · LOOP REPEAT: 999,999)**

## CD3 — Carton (Package) Detail

Detail · Position 210 · Optional

<b>Purpose</b>	Transmits identifying codes, weights, and other related information for an individual carton (package).
<b>Syntax Note 1</b>	If either CD301 or CD302 is present, then the other is required.
<b>Syntax Note 2</b>	If either CD307 or CD308 is present, then the other is required.
<b>Syntax Note 3</b>	If either CD309 or CD310 is present, then the other is required.
<b>Syntax Note 4</b>	If CD311 is present, then CD305 is required.
<b>Syntax Note 5</b>	If CD312 is present, then CD311 is required.
<b>Syntax Note 6</b>	If CD314 is present, then CD305 is required.
<b>Semantic Note 1</b>	CD309 is the status reason code for the package exception.
<b>Semantic Note 2</b>	CD310 is the package-level event date.
<b>Semantic Note 3</b>	CD314 is the country where the service is to be performed.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
<b>CD301</b>	81	Weight Qualifier	0 ID 1/2	G = Gross Weight; N = Net Weight; A = Actual Weight; B = Billed Weight. Required if CD302 present.
<b>CD302</b>	65	Weight	0 R 1/10	Numeric value of package weight. Required if CD301 present.
<b>CD303</b>	188	Zone	0 AN 2/3	Carrier delivery zone
<b>CD304</b>	368	Service Standard Code	0 AN 2/3	Time period of carrier's standard service for the shipment
<b>CD305</b>	369	Service Level Code	0 ID 2/2	GD = Ground Delivery; 1D = Next Day Air; 2D = Second Day Air; 3D = Third Day Service; EC = Economy; XM = Express Mail
<b>CD306</b>	380	Quantity	0 R 1/15	Number of packages
<b>CD307</b>	26	Identification Code Qualifier	0 ID 1/2	TB = Tracking Number (Parcel); CN = Carrier PRO Number; BM = Bill of Lading; PO = Purchase Order. Required if CD308 present.
<b>CD308</b>	27	Identification Code	0 AN 2/80	Tracking or reference number value. Required if CD307 present.
<b>CD309</b>	641	Status Reason Code	0 ID 2/2	NS = Normal Status; T2 = Tractor, Conventional, Not Available; AO = Weather or Natural Disaster Related. Required if CD310 present.
<b>CD310</b>	40	Date	0 DT 6/8	Package-level event date expressed as CCYYMMDD. Required if CD309 present.

<b>CD311</b>	41	Time	0 TM 4/8	Package-level event time expressed as HHMM. Required if CD305 present.
<b>CD312</b>	623	Time Code	0 ID 2/2	ET = Eastern Time; CT = Central Time; MT = Mountain Time; PT = Pacific Time. Required if CD311 present.

**S U M M A R Y**

## L3 — Total Weight and Charges

Summary · Position 010 · Optional · Max Use: 1

<b>Purpose</b>	Specifies total shipment weight, volume, rates, charges, advances, and prepaid amounts.
<b>Syntax Note 1</b>	If either L301 or L302 is present, then the other is required.
<b>Syntax Note 2</b>	If either L303 or L304 is present, then the other is required.
<b>Syntax Note 3</b>	If either L309 or L310 is present, then the other is required.
<b>Syntax Note 4</b>	If L312 is present, then L301 is required.
<b>Syntax Note 5</b>	If either L314 or L315 is present, then the other is required.
<b>Semantic Note 1</b>	L305 is the total charges.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
<b>L301</b>	81	Weight	X R 1/10	Total weight. Required if L302 present.
<b>L302</b>	187	Weight Qualifier	X ID 1/2	G = Gross Weight; B = Billed Weight. Required if L301 present.
<b>L305</b>	58	Charge	0 N2 1/12	Total charges in the standard monetary denomination
<b>L311</b>	80	Lading Quantity	0 N0 1/7	Number of units of the lading commodity
<b>L312</b>	188	Weight Unit Code	0 ID 1/1	L = Pounds. If present, L301 required.

## SE — Transaction Set Trailer

Summary · Position 020 · Mandatory · Max Use: 1

<b>Purpose</b>	Indicates the end of the transaction set and provides the segment count.
<b>Notes</b>	SE01 includes both ST and SE segments in the count. SE02 must equal ST02.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
SE01	96	Number of Included Segments	M N0 1/10	Total count including ST and SE
SE02	329	Transaction Set Control Number	M AN 4/9	Must equal ST02.

## GE — Functional Group Trailer

Envelope · Mandatory · Max Use: 1

<b>Purpose</b>	Indicates the end of a functional group.
<b>Semantic Note 3</b>	GS06 must match GE02.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
<b>GE01</b>	97	Number of Transaction Sets Included	M N0 1/6	Total transaction sets in the functional group
<b>GE02</b>	28	Group Control Number	M N0 1/9	Must match GS06.

## IEA — Interchange Control Trailer

Envelope · Mandatory · Max Use: 1

<b>Purpose</b>	Defines the end of the interchange.
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Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
IEA01	I16	Number of Included Functional Groups	M N0 1/5	Count of functional groups in the transmission
IEA02	I12	Interchange Control Number	M N0 9/9	Must match ISA13 exactly. Nine digits, zero-padded.

### APPENDIX A — SPECIAL CHARGE OR ALLOWANCE CODES (L108)

Commonly used codes for L108. Any valid 4010 element 150 code is accepted. Use L112 (Special Charge Description) for free-form text when an applicable code is unavailable.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
400		Freight		
405		Fuel Surcharge		
DAA		Deficit Freight		
DOC		Documentation Charge		
DSC		Discount		
FUE		Fuel Charge		
HAZ		Hazardous Cargo Charge		
IDL		Inside Delivery		
IHT		Interstate/Highway Toll		
LFT		Lift Gate (Truck) or Forklift Service at Pick-up/Delivery		
MSG		Miscellaneous Charge		
PYS		Priority Service Charge		
RES		Residential Delivery		
SSF		Single Shipment Fee		
STC		State Surcharge		