

CONTAX, Inc.

Intelligent Logistics

Transportation Carrier Shipment Status Message

ANSI X12 Transaction Set 214 · Version 4010

Transaction Set	214
Version	ANSI X12 Version 4010 (004010)
Functional Group ID	QM
Specification Version	2.1
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Author	CONTAX, Inc. — Intelligent Logistics

For technical questions contact: edi-support@contax.com

Introduction

This document defines the CONTAX implementation of the Transportation Carrier Shipment Status Message Transaction Set (214) under ANSI X12 Version 4010. It is intended for developers at transportation carriers configuring EDI status feeds to the CONTAX Intelligent Logistics (IL) platform.

The 214 transaction set is used by motor carriers to report shipment status events — including pickups, deliveries, exceptions, and appointments — back to CONTAX. Each LX loop represents one status event for the shipment identified in B10.

Key conventions:

- Req. Des. M = Mandatory; O = Optional; X = Conditional (see syntax notes).
- Dates use CCYYMMDD format. Times use HHMM to HHMMSSDD.
- B1003 (SCAC) is mandatory for all 214 transmissions.
- Status and appointment dates/times must NOT be transmitted via G62. G62 is reserved for other date types (e.g., estimated delivery).
- AT701 (Shipment Status Code) and AT703 (Appointment Status Code) are mutually exclusive within one AT7 segment.
- ISA13 must be 9 digits, zero-padded, and must match IEA02 exactly. 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	B10	Beginning Segment for Transportation Carrier Shipment Status	M	1		Must Use
030	L11	Business Instructions and Reference Number (Header)	O	300		
035	MAN	Marks and Numbers	O	9999		FSMA / temperature tracking
040	K1	Remarks	O	10		
050	N1	Name	M	1	10	Loop N1 — parties
070	N3	Address Information	O	2	N1	
080	N4	Geographic Location	O	1	N1	
090	G62	Date/Time	O	6		Not for status or appointment dates
120	MS3	Interline Information	O	12		
130	LX	Assigned Number	M	1	999999	Loop LX — status events
140	AT7	Shipment Status Details	M	1	10	Loop AT7 — within LX

143	MS1	Equipment, Shipment, or Real Property Location	O	1	AT7	
146	MS2	Equipment or Container Owner and Type	O	1	AT7	
150	L11	Business Instructions and Reference Number (Detail)	O	10	LX	
160	Q7	Lading Exception Code	O	10	LX	
200	AT8	Shipment Weight, Packaging and Quantity Data	O	10	LX	
210	CD3	Carton (Package) Detail	O	1	999999	Loop CD3
020	SE	Transaction Set Trailer	M	1		Must Use

ISA — Interchange Control Header

Envelope · Mandatory · Max Use: 1

Purpose	Starts and identifies an interchange of one or more functional groups.
Notes	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
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)
ISA12	I11	Interchange Control Version Number	M ID 5/5	00401 (fixed)
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 = None; 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

Purpose	Indicates the beginning of a functional group and provides control information.
Notes	GS06 must match GE02.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
GS01	479	Functional Identifier Code	M ID 2/2	QM = Transportation Carrier Shipment Status Message (214)
GS02	142	Application Sender's Code	M AN 2/15	Trading partner sender ID
GS03	124	Application Receiver's Code	M AN 2/15	Trading partner receiver ID
GS04	373	Date	M DT 8/8	CCYYMMDD
GS05	337	Time	M TM 4/6	HHMM, HHMMSS, HHMMSSD, or HHMMSSDD
GS06	28	Group Control Number	M N0 1/9	Must match GE02
GS07	455	Responsible Agency Code	M ID 1/2	X = ASC X12; T = TDCC
GS08	480	Version/Release/Industry Identifier Code	M AN 1/12	004010

ST — Transaction Set Header

Header · Position 010 · Mandatory · Max Use: 1

Purpose	Indicates the start of a transaction set and assigns a control number.
Notes	ST02 must match SE02.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
ST01	143	Transaction Set Identifier Code	M ID 3/3	214 = Transportation Carrier Shipment Status Message
ST02	329	Transaction Set Control Number	M AN 4/9	Unique within the functional group. Must match SE02.

B10 — Beginning Segment for Transportation Carrier Shipment Status Message

Header · Position 020 · Mandatory · Max Use: 1

Purpose	Transmits the shipment identification and carrier reference data for the status message.
Syntax Note 1	At least one of B1001 or B1006 is required.
Syntax Note 2	Only one of B1001 or B1005 may be present.
Syntax Note 3	If either B1005 or B1006 is present, then the other is required.
Semantic Note 1	B1001 is the carrier's PRO number (invoice number) identifying the shipment.
Semantic Note 2	B1003 (SCAC) is required for all Transaction Set 214 transmissions.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
B1001	127	Reference Identification (PRO#)	X AN 1/30	Carrier's PRO/invoice number. Required if B1006 absent.
B1002	145	Shipment Identification Number	0 AN 1/30	Shipment ID assigned by shipper. No blanks or special characters.
B1003	140	Standard Carrier Alpha Code (SCAC)	M ID 2/4	Required for all 214 transmissions.
B1004	71	Inquiry Request Number	0 N0 1/3	Number assigned by inquirer
B1005	128	Reference Identification Qualifier	X ID 2/3	ZZ = Mutually Defined. Required if B1006 present.
B1006	127	Reference Identification	X AN 1/30	Required if B1001 absent.
B1007	1073	Yes/No Condition or Response Code	0 ID 1/1	Y = Received via EDI; N = Key-entered

L11 — Business Instructions and Reference Number [Header Level]

Header · Position 030 · Optional · Max Use: 300

Purpose	Provides bill of lading, PRO, or other reference numbers at the header level.
Syntax Note 1	At least one of L1101 or L1103 is required.
Syntax Note 2	If either L1101 or L1102 is present, then the other is required.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
L1101	127	Reference Identification	X AN 1/30	Reference number. Required if L1103 absent.
L1102	128	Reference Identification Qualifier	X ID 2/3	BM = Bill of Lading; CN = Carrier's Reference (PRO/Invoice). Required if L1101 present.

MAN — Marks and Numbers

Header · Position 035 · Optional · Max Use: 9999

Purpose	Specifies marks and numbers for shipment identification. Used for FSMA compliance and temperature-controlled shipment tracking.
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Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
MAN01	88	Marks and Numbers Qualifier	M ID 1/2	ZZ = Mutually Defined
MAN02	87	Marks and Numbers	M AN 1/48	Temperature value at stop when used for FSMA tracking
MAN03	87	Marks and Numbers	0 AN 1/48	Scale indicator: C = Celsius; F = Fahrenheit

LOOP N1 — PARTY IDENTIFICATION (REPEATS UP TO 10)

N1 — Name

Header · Position 050 · Mandatory · Max Use: 1 per loop

Purpose	Identifies a party by type of organization, name, and code.
Syntax Note 1	At least one of N102 or N103 is required.
Syntax Note 2	If either N103 or N104 is present, then the other is required.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
N101	98	Entity Identifier Code	M ID 2/3	BT = Bill-to-Party; CN = Consignee; SH = Shipper
N102	93	Name	X AN 1/60	Free-form name. Required if N103 absent.
N103	66	Identification Code Qualifier	X ID 1/2	Required if N104 present.
N104	67	Identification Code	X AN 2/80	Required if N103 present.

N3 — Address Information

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

Purpose	Specifies the street address 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

N4 — Geographic Location

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

Purpose	Specifies city, state/province, postal code, and country of the named party.
Syntax Note 1	If N406 is present, then N405 is required.
Comment 2	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	International postal zone code
N404	26	Country Code	0 ID 2/3	ISO country code

G62 — Date/Time

Header · Position 090 · Optional · Max Use: 6

Purpose	Specifies applicable dates and times such as estimated delivery or ship date.
Important	Status dates and appointment dates/times must NOT be transmitted in G62. Use AT7 (AT705/AT706) for those.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
G6201	432	Date Qualifier	X ID 2/2	Standard 4010 qualifier. Required if G6202 present.
G6202	373	Date	X DT 8/8	CCYYMMDD. Required if G6201 present.
G6203	176	Time Qualifier	X ID 1/2	Standard 4010 qualifier. Required if G6204 present.
G6204	337	Time	X TM 4/8	HHMM to HHMMSSDD. Required if G6203 present.

MS3 — Interline Information

Header · Position 120 · Optional · Max Use: 12

Purpose	Specifies interline carrier and routing information.
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Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
MS301	140	Standard Carrier Alpha Code	M ID 2/4	SCAC of the interline carrier
MS302	133	Routing Sequence Code	M ID 1/2	B = Origin, Middle, or Destination Carrier
MS303	19	City Name	X AN 2/30	Required if MS305 present.
MS305	26	Country Code	0 ID 2/3	Country code

LOOP LX — STATUS EVENT (REPEATS UP TO 999,999)

LX — Assigned Number

Header · Position 130 · Mandatory · Max Use: 1 per loop

Purpose	References a status event 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

LOOP AT7 — SHIPMENT STATUS DETAILS (UP TO 10 PER LX)

AT7 — Shipment Status Details

Header · Position 140 · Mandatory · Max Use: 1 per loop

Purpose	Specifies the shipment status code, reason code, date, time, and any appointment details.
Syntax Note 1	Only one of AT701 or AT703 may be present (mutually exclusive).
Syntax Note 2	If either AT701 or AT702 is present, then the other is required.
Syntax Note 3	If either AT703 or AT704 is present, then the other is required.
Syntax Note 4	If AT706 is present, then AT705 is required.
Syntax Note 5	If AT707 is present, then AT706 is required.
Semantic Note 1	If AT701 is present, AT705 = date the status occurred. If AT703 is present, AT705 = appointment date.
Semantic Note 2	If AT701 is present, AT706 = time the status occurred. If AT703 is present, AT706 = appointment time.
Semantic Note 3	If AT707 is not present, AT706 represents local time of the status.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
AT701	1650	Shipment Status Code	X ID 2/2	Mutually exclusive with AT703. See Appendix A for complete code list.
AT702	1651	Shipment Status or Appointment Reason Code	X ID 2/2	Required if AT701 present. A1=Missed Delivery; A2=Incorrect Address; A3=Indirect Delivery; A5=Unable to Locate; A6=Address Corrected; AA=Mis-sort; AD=Customer Requested Future Delivery; AE=Restricted Articles; AF=Accident; AG=Consignee Related; AH=Driver Related; AI=Mechanical Breakdown; AJ=Other Carrier Related; AK=Damaged Rewrapped in Hub; AL=Previous Stop; AM=Shipper Related; AN=Holiday-Closed; AO=Weather or Natural Disaster; AP=Awaiting Export; AQ=Recipient Unavailable; AR=Improper International Paperwork; AS=Hold Due to Customs Documentation; AT=Unable to Contact Broker; AU=Civil Event Delay; AV=Exceeds Service Limitations; AW=Past Cut-off; AX=Insufficient Pick-up Time; AY=Missed Pick-up; AZ=Alternate Carrier Delivered; B1=Consignee Closed; B2=Trap for Customer; B4=Held for Payment; B5=Held for Consignee; B8=Improper Unloading Facility;

					<p>B9=Receiving Time Restricted; BB=Held per Shipper; BC=Missing Documents; BD=Border Clearance; BE=Road Conditions; BF=Carrier Keying Error; BG=Other; BH=Insufficient Time to Complete Delivery; BI=Cartage Agent; BJ=Customer Wanted Earlier Delivery; BK=Prearranged Appointment; BL=Held for Protective Service; BM=Flatcar Shortage; BN=Failed to Release Billing; NS=Normal Status; P1=Processing Delay</p>
AT703	1652	Shipment Appointment Status Code	X ID 2/2	<p>Mutually exclusive with AT701. AA=Pick-up Appt Date/Time; AB=Delivery Appt Date/Time; AC=Estimated Delivery Appt Date/Time; ED=Deliver No Earlier Than; EP=Pick-up No Earlier Than; LD=Deliver No Later Than; LP=Pick-up No Later Than; X9=Delivery Appt Secured on This Date/Time; XA=Pick-up Appt Secured on This Date/Time. Required if AT704 present.</p>	
AT704	1651	Shipment Status or Appointment Reason Code	X ID 2/2	<p>Required if AT703 present. See AT702 for valid codes.</p>	
AT705	373	Date	X DT 8/8	<p>Status or appointment date CCYYMMDD.</p>	
AT706	337	Time	X TM 4/8	<p>Status or appointment time. Required if AT705 present.</p>	
AT707	623	Time Code	0 ID 2/2	<p>CT=Central; ET=Eastern; MT=Mountain; PT=Pacific. Required if AT706 present.</p>	

MS1 — Equipment, Shipment, or Real Property Location [Loop AT7]

Header · Position 143 · Optional · Max Use: 1

Purpose	Specifies the location of a piece of equipment, a shipment, or real property in terms of city and state or longitude and latitude.
Syntax Note 1	If MS101 is present, then at least one of MS102 or MS103 is required.
Syntax Note 2	Only one of MS101 or MS104 may be present.
Syntax Note 3	If MS102 is present, then MS101 is required.
Syntax Note 4	If MS103 is present, then MS101 is required.
Syntax Note 5	If either MS104 or MS105 is present, then the other is required.
Syntax Note 6	If MS106 is present, then MS104 is required.
Syntax Note 7	If MS107 is present, then MS105 is required.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
MS101	19	City Name	X AN 2/30	Free-form city name
MS102	156	State or Province Code	X ID 2/2	Standard state/province code
MS103	26	Country Code	X ID 2/3	ISO country code

MS2 — Equipment or Container Owner and Type [Loop AT7]

Header · Position 146 · Optional · Max Use: 1

Purpose	Specifies the owner, the identification number assigned by that owner, and the type of equipment.
Syntax Note 1	If either MS201 or MS202 is present, then the other is required.
Syntax Note 2	If MS204 is present, then MS202 is required.
Semantic Note 1	MS203 identifies the type for the equipment specified in MS202.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
MS201	140	Standard Carrier Alpha Code	X ID 2/4	SCAC of the equipment or container owner. Required if MS202 present.
MS202	207	Equipment Number	X AN 1/10	Sequencing or serial part of the equipment unit's identifying number. Required if MS201 present.

L11 — Business Instructions and Reference Number [Detail Level, Loop LX]

Header · Position 150 · Optional · Max Use: 10

Purpose	Provides detail-level reference numbers (e.g., stop sequence number) within the LX loop.
Syntax Note 1	At least one of L1101 or L1103 is required.
Syntax Note 2	If either L1101 or L1102 is present, then the other is required.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
L1101	127	Reference Identification	X AN 1/30	Reference information. Required if L1103 absent.
L1102	128	Reference Identification Qualifier	X ID 2/3	QN = Stop Sequence Number. Required if L1101 present.

Q7 — Lading Exception Code [Loop LX]

Header · Position 160 · Optional · Max Use: 10

Purpose	Specifies the status of the shipment in terms of lading exception information.
Syntax Note 1	If Q702 is present, then Q703 is required.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
Q701	33	Lading Exception Code	X ID 1/1	A = All Short; D = Damaged; E = Entire Shipment Refused; O = Overage; P = Partial Shipment; W = Wrong Product
Q702	211	Packing Form Code	X ID 3/3	BAG; BBL; BDL; BIN; BOX; CAG; CAN; CAS; CNT; CRT; CTN; CYL; DBK; ENV; GOH; JAR; KEG; LBK; PCS; PKG; PLT; RCK; SKD; SLP; TBE; TRY; UNT; VEH; WRP. Required if Q703 present.
Q703	80	Lading Quantity	X N0 1/7	Number of units. Required if Q702 present.

AT8 — Shipment Weight, Packaging and Quantity Data [Loop LX]

Header · Position 200 · Optional · Max Use: 10

Purpose	Specifies shipment details in terms of weight and quantity of handling units.
Syntax Note 1	If either AT801, AT802, or AT803 are present, then the others are required.
Syntax Note 2	If either AT806 or AT807 is present, then the other is required.
Semantic Note 1	AT804 is the quantity of handling units that are not unitized (e.g., a carton). AT804 + AT805 = total quantity.
Semantic Note 2	AT805 is the quantity of handling units that are unitized (e.g., on a pallet or slip sheet).

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
AT801	187	Weight Qualifier	X ID 1/2	G = Gross Weight. Required with AT802 and AT803.
AT802	188	Weight Unit Code	X ID 1/1	L = Pounds. Required with AT801 and AT803.
AT803	81	Weight	X R 1/10	Numeric weight value. Required with AT801 and AT802.
AT804	80	Lading Quantity (non-unitized)	0 N0 1/7	Number of non-unitized handling units (e.g., cartons)
AT805	80	Lading Quantity (unitized)	0 N0 1/7	Number of unitized handling units (e.g., pallets)
AT806	184	Volume Unit Qualifier	X ID 1/1	E = Cubic Feet. Required if AT807 present.
AT807	183	Volume	X R 1/8	Value of volumetric measure. Required if AT806 present.

SUMMARY

SE — Transaction Set Trailer

Summary · Position 020 · Mandatory · Max Use: 1

Purpose	Indicates the end of the transaction set and provides the segment count.
Notes	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

Purpose	Indicates the end of a functional group.
Notes	GE02 must match GS06.

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

IEA — Interchange Control Trailer

Envelope · Mandatory · Max Use: 1

Purpose	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
IEA02	I12	Interchange Control Number	M N0 9/9	Must match ISA13 exactly. Nine digits, zero-padded.

APPENDIX A — AT701 SHIPMENT STATUS CODES

Valid values for AT701 (Shipment Status Code). Contact CONTAX EDI support for codes not listed here.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
A3		Shipment Returned to Shipper		
A7		Refused by Consignee		
A9		Shipment Damaged		
AF		Carrier Departed Pick-up Location with Shipment		
AG		Estimated Delivery		
AH		Attempted Delivery		
AI		Shipment has been Reconsigned		
AJ		Tendered for Delivery		
AM		Loaded on Truck		
AN		Diverted to Air Carrier		
AP		Delivery Not Completed		
AR		Rail Arrival at Destination Intermodal Ramp		
AV		Available for Delivery		
B6		Estimated to Arrive at Carrier Terminal		
BA		Connecting Line or Cartage Pick-up		
BC		Storage in Transit		
C1		Estimated to Depart Terminal Location		
CA		Shipment Cancelled		
CD		Carrier Departed Delivery Location		
CL		Trailer Closed Out		
CP		Completed Loading at Pick-up		

		Location		
D1		Completed Unloading at Delivery Location		
I1		In-Gate		
J1		Delivered to Connecting Line		
K1		Arrived at Customs		
L1		Loading		
0A		Out-Gate		
00		Paperwork Received — Did not Receive Shipment		
P1		Departed Terminal Location		
PR		U.S. Customs Hold at In-Bond Location		
PT		Information		
R1		Received from Prior Carrier		
RL		Rail Departure from Origin Intermodal Ramp		
S1		Trailer Spotted at Consignee's Location		
SD		Shipment Delayed		
VA		Arrived Destination Port		
VD		Departed Origin Port		
X1		Arrived at Delivery Location		
X2		Estimated Date and/or Time of Arrival at Consignee's Location		
X3		Arrived at Pick-up Location		
X4		Arrived at Terminal Location		
X5		Arrived at Delivery Location Loading Dock		
X6		En Route to Delivery Location		
X8		Arrived at Pick-up Location Loading Dock		
X9		Called for Delivery Appointment		
XB		Shipment Acknowledged		