



Implementation Guide Transportation Carrier Shipment Status Message

EDI 214

Version 4010

Purpose of Shipment Status Message 214

This EDI 214 Transportation Carrier Shipment Status message provides timely reported events and estimated times of arrival of your shipments from CN's Service Reliability Strategy (SRS) system.

EDI Version & Guidelines

This EDI 214 message, version 004010, closely complies with the official published Motor Carrier Industry Guide to Electronic Data Interchange Implementation and Conventions.

Customized Formats

The Receiver of the EDI 214 who requires coding or mapping structure other than expressly written in the Guidelines and in the CN Implementation documents must have the necessary changes performed at their system or through a Value Added Network.

Connection to CN

CN has a secure MFT server <https://mftedi.cn.ca/> or we can push to an FTP server if you require. CN also connects with all major VAN's (Value Added Networks) and interconnects can be made available.

Schedule

Schedules to automate the output at times convenient to your business process are available. Each event that has occurred since the last transmission will be sent. The CN EDI Scheduler provides flexible production times for the EDI 214. The EDI 214 can be produced up to a maximum of 46 times per day in ½ hour intervals except for 2:00 and 2:30, or a minimum of once per week.

CN Contact

The **EDI Onboarding team** email address is EDIMGR@cn.ca. You can also visit us at www.cn.ca.

Client Profile Set Up

Status Code (DE 1650)

The Shipment Status messages are controlled by CN in a Client Profile, which can be updated at any time upon request. The codes are found in the AT701 segment.

You may select which Status Codes are to be included in your Shipment Status Message. At least one event must be included.

The CN's EDI 214 provides the following Intermodal Status Codes:

Event	Event Code in 214	Carload	Intermodal
In gate	I1		X
Out gate	OA		X
Actual placement	S1	X	
Arrived at customer	X5		X
Placed for loading	X3		X
Placed for unloading	X1		X
Released loaded	CP	X	X
Released empty	CD		X
Released empty	D1	X	
Release reject	A7	X	
Departed customer	AF	X	X
Rail depart origin ramp	RL		X
Rail departure	P1	X	X
Rail arrival destination ramp	AR		X
Rail arrival	X4	X	X
Delivered to connecting carrier	J1	X	X
Received from prior carrier	R1	X	X
Notify – shipment available for pickup	AV	X	X
De ramped at destination	AV		X
Delivery appointment made	AB		X
Bad order	SD	X	X
ETA (attribute must be turned on)	AG	X	
ETA (attribute must be turned on)	X2		X

Client Profile - Attributes

An attribute allows you to either include or exclude the following information from your Shipment Status message:

- N1 loop segments
Origin and Destination Intermodal Ramp
- Train ID
- Pick up Number
- Route information
Estimated Time of Arrival
- Shippers Purchase Order Number
- Local or Universal Time

N1 loop segments

The default is to include the N1, N3 and N4 segment for parties on your bill of lading.

Origin and Destination Intermodal Ramp – for intermodal shipments only

If you select this attribute, the Origin Intermodal Ramp (RO), Destination Intermodal Ramp (RD), Intermodal Terminal Name, SPLC Identifier (20) and SPLC of the intermodal terminal will be provided in two N1 segments. The default is to not show the RO and RD segments.

Train ID

The Train ID for all Train Arrival and Train Departure events will be included in an L11 segment. The default is the segment won't be included.

Pick Up Number – for intermodal shipments only.

The pick up number will be included in an L11 segment with a P8 qualifier. The default is the pick up number is not included.

Route Information

The default is to include the MS3 segments.

Estimated Time of Arrival

You can request the Estimated Time of Arrival (ETA), updated with each event. This will appear in a second AT7 line directly beneath the first AT7 line containing the Shipment Status code. AT7*X2 is the ETA for intermodal shipments and AT7*AG is the ETA for carload shipments. The default is to not include the ETA.

Shippers Purchase Order number.

The shipper's purchase order number will be displayed in an SPO segment. The default is not to have this segment included.

Local or Universal Time

The default is the Universal Time coordinate. If you select this attribute, Local time will be provided.

Transportation Carrier Shipment Status Mapping Guide (EDI 214)

This section contains the details of how the EDI 214 message will be formatted.

Example EDI 214 message

ISA*00* *00* *02*CN *02*GENERIC *250112*1454*U*00401*000001275*0*P*>
GS*QM*CN*GENERIC*20250112*1454*36*X*004010
ST*214*36001
B10*363100*NNS3355*CN
L11*Q13151 10*7W
N1*SH*ABC INTERNATIONAL CORP
N3*200 RENE LEVESQUE BOUL
N4*MONTREAL*PQ*H3G3T3*CA
N1*CN*ABC INTERNATIONAL CORP
N3*29 CENTENNIAL ROAD
N4*ORANGEVILLE*ON*M3F5K7*CA
N1*RO*MONTREAL MONTER INT*20*030805
N1*RD*BRAMPTON INTER TERM*20*044761
MS3*CN*O**X
LX*1
AT7*I1*NS***20250112*1430
AT7*X2*NS***20250115*1230
MS1*MONTREAL TASCHE YARD *PQ*CA
MS2*CNRU*750154
AT8*N*L*4500**1000
SE*23*36001
GE*1*36
IEA*1*000001275

ISA Segment: Interchange Control Header

ISA*00* *00* *02*CN *02*GENERIC *250112*1454*U*00401*000001275*0*P*>

Ref. Des.	Name	Data Element	Attributes	
ISA01	Authorization Information Qualifier	I01	ID	2/2
ISA02	Authorization Information (Ten spaces)	I02	AN	10/10
ISA03	Security Information Qualifier	I03	ID	2/2
ISA04	Security Information	I04	AN	10/10
ISA05	Interchange ID Qualifier	I05	ID	2/2
ISA06	Interchange Sender ID (CN - fill out field with spaces)	I06	ID	15/15
ISA07	Interchange ID Qualifier (If RR SCAC use 02)	I05	ID	2/2
ISA08	Interchange Receiver ID (GENERIC - fill out field with spaces)	I07	ID	15/15
ISA09	Interchange Date (YYMMDD)	I08	DT	6/6
ISA10	Interchange Time (HHMM)	I09	TM	4/4
ISA11	Repetition Separator (Suggest “^”)	I10		1/1
ISA12	Interchange Control Version Number (Value 00401)	I11	ID	5/5
ISA13	Interchange Control Number (a control number assigned by CN)	I12	N0	9/9
ISA14	Acknowledgment Requested (0 = none requested) (1= requested)	I13	ID	1/1
ISA15	Usage Indicator (P = Production) (T = Test)	I14	ID	1/1
ISA16	Component Element Separator (Suggest “:”)	I15		1/1

GS Segment: Functional Group Header**GS*QM*CN*GENERIC*20250112*1454*36*X*004010**

Ref. Des.	Name	Data Element	Attributes	
GS01	Functional Identifier Code (QM=Transportation Carrier Shipment Status Message (214)	479	ID	2/2
GS02	Application Sender's Code (CN=Canadian National)	142	AN	2/15
GS03	Application Receiver's Code	124	AN	2/15
GS04	Date (CCYYMMDD)	373	DT	8/8
GS05	Time (HHMM)	337	TM	4/6
GS06	Group Control Number (Assigned number originated and maintained by CN)	28	N0	1/9
GS07	Responsible Agency Code (X = Accredited Standards Committee X12)	455	ID	1/2
GS08	Version / Release / Industry Identity	480	ID	1/12

ST Segment: Transaction Set Header

To indicate the start of a transaction set and to assign a control number.

ST*214*36001

Ref. Des.	Name	Data Element	Attributes	
ST01	Transaction Set Identifier Code (214 = Transportation Carrier Shipment Status Message)	143	ID	3/3
ST02	Transaction Set Control Number (Sequential control number generated by CN)	329	AN	4/9

B10 Segment: Beginning Segment for Transportation Carrier Shipment Status Message**B10*363100*NNS3355*CN**

Ref. Des.	Name	Data Element	Attributes	
B1001	Reference Identification (363100= waybill number)	127	AN	1/30
B1002	Shipment Identification Number (NNS3355= shipment ID number)	145	AN	1/30
B1003	Standard Carrier Alpha Code (SCAC)	140	ID	2/4

L11 Segment: Business Instructions and Reference Number**L11*Q13151 10*7W**

Ref. Des.	Name	Data Element	Attributes	
L1101	Reference Identification (Q13151 10=train ID)	127	AN	1/30
L1102	Reference Identification Qualifier (7W=train ID) (HR=bill of lading number) (PO=purchase order number) (SO=shipper's order number) (WY=waybill number) (P8=pickup number)	128	ID	2/3

Loup N1 Loup ID - 0100

N1 Segment: Name

N1*SH*ABC INTERNATIONAL CORP
N3*200 RENE LEVESQUE BOUL
N4*MONTREAL*PQ*H3G3T3*CA
N1*CN*ABC INTERNATIONAL CORP
N3*29 CENTENNIAL ROAD
N4*ORANGEVILLE*ON*M3F5K7*CA

Ref. Des.	Name	Data Element	Attributes	
N101	Entity Identifier Code (CN = Consignee) (SH = Shipper)	98	ID	2/3
N102	Name	93	AN	1/60

N3 Segment: Address Information

Ref. Des.	Name	Data Element	Attributes	
N301	Address Information	166	AN	1/55

N4 Segment: Geographic Location

Ref. Des.	Name	Data Element	Attributes	
N401	City Name	19	AN	2/30
N402	State or Province Code	156	ID	2/2
N403	Postal Code	116	ID	3/15
N404	Country Code	26	ID	2/3

N1 Segment: Name

N1*RO*MONTREAL MONTER INT*20*030805
N1*RD*BRAMPTON INTER TERM*20*044761

Ref. Des.	Name	Data Element	Attributes	
N101	Entity Identifier Code (RO=Origin ramp) (RD= Destination ramp)	98	ID	2/3
N102	Name (Name of intermodal terminal)	93	AN	1/60
N103	Identification code Qualifier (20=SPLC)	66	ID	1/2
N104	Identification Code (SPLC code)	67	AN	2/80

MS3 Segment: Interline Information

MS3*CN*OX**

Ref. Des.	Name	Data Element	Attributes	
MS301	Standard Carrier Alpha Code	140	ID	2/4
MS302	Routing Sequence Code (O=origin carrier)	133	ID	1/2
MS304	Transportation Method/Type Code (X=intermodal) (R=rail)	91	ID	1/2

LX Segment: Assigned Number

LX*1

Ref. Des.	Name	Data Element	Attributes	
LX01	Assigned Number (Number assigned for differentiation within a transaction set)	554	N0	1/6

AT7 Segment: Shipment Status Details**AT7*I1*NS***20250112*1430****AT7*X2*NS***20250115*1230**

Ref. Des.	Name	Data Element	Attributes	
AT701	Shipment Status Code (I1=ingate) (X2=ETA)	1650	ID	2/2
AT702	Shipment Status or Appointment Reason Code (NS=normal status)	1651	ID	2/2
AT705	Date (CCYYMMDD)	373	DT	8/8
AT706	Time (HHMM, 24-hour clock 0001-2359 or HHMMSS or HHMMSSD or HHMMSSDD H=hours 00-23 M=minutes 00-59 S=seconds 00-59 DD=decimal seconds in tenths and hundredths 00-99)	337	TM	4/8

MS1 Segment: Equipment, Shipment or Real Property Location**MS1*MONTREAL TASCHE YARD *PQ*CA**

Ref. Des.	Name	Data Element	Attributes	
MS101	City Name	19	AN	2/30
MS102	State or Province Code	156	ID	2/2
MS103	Country Code	26	ID	2/3

MS2 Segment: Equipment or Container Owner and Type**MS2*CNRU*750154**

Ref. Des.	Name	Data Element	Attributes	
MS201	Standard Carrier Alpha Code (SCAC)	140	ID	2/4
MS202	Equipment Number	207	AN	1/10

AT8 Segment: Shipment Weight, Packaging and Quantity Data**AT8*N*L*4500**1000**

Ref. Des.	Name	Data Element	Attributes	
AT801	Weight Qualifier (N=net weight)	187	ID	1/2
AT802	Weight Unit Code (L=pounds)	188	ID	1/1
AT803	Weight	81	R	1/8
AT805	Lading Quantity (piece count)	80	N0	1/7

SE Segment: Transaction Set Trailer**SE*23*36001**

Ref. Des.	Name	Data Element	Attributes	
SE01	Number of Included Segments (Includes ST and SE segments)	96	N0	1/10
SE02	Transaction Set Control Number (Repeated from ST segment ST02)	329	AN	4/9

GE Segment: Functional Group Trailer**GE*1*36**

Ref. Des.	Name	Data Element	Attributes	
GE01	Number of Transaction Sets Included	97	N0	1/10
GE02	Group Control Number	28	N0	1/9

IEA Segment: Interchange Control Trailer

IEA*1*000001275

Ref. Des.	Name	Data Element	Attributes	
IEA01	Number of included Functional Groups	I16	N0	1/5
IEA02	Interchange Control Number (Same number as ISA13)	I12	N0	9/9

CN Intermodal Terminals and Ports

The following lists CN Intermodal Terminals and Port Operations that can be an origin and destination on CN lines.

<u>D/K</u>	<u>SPLC</u>	<u>Station Abbr. 333</u>	<u>St/Pr</u>	<u>Full Station Name</u>
	328754	ARCADIA	WI	ARCADIA
01535	044761	BRAINTTER	ON	BRAMPTON INTER TERM
	082417	CALLOGPAR	AB	CALGARY LOGIST PARK
	328180	CHIFALLS	WI	CHIPPEWA FALLS
3901	380002	CHIINTTER	IL	CHICAGO INTER TERM
3801	315986	DETINTTER	MI	DETROIT INTER TERM
	500900	DULUTH	MN	DULUTH
80101	085646	EDMINTTER	AB	EDMONTON INTER TERM
13841	012548	FAICOVIMP	NS	FAIRVIEW COVE IMPEX
12493	093614	FRASURIMP	BC	FRASER SURREY IMPEX
13841	012504	HALHALTER	NS	HALIFAX HALTERM TER
13841	012500	HALIFAX	NS	HALIFAX
13841	012501	HALINTTER	NS	HALIFAX INTER TERM
	368700	INDINTTER	IN	INDIANAPOLIS INTER TERM
2015	487230	JACKSON	MS	JACKSON
3901	384040	JOLYARD	IL	JOLIET YARD
	047712	MALPORT	ON	MALPORT
2006	439875	MEMINTTER	TN	MEMPHIS INTER TERM
01535	044716	MISINTSER	ON	MISSISSAUGA INT SER
	479800	MOBILE	AL	MOBILE
01822	030313	MONBICKER	PQ	MONTREAL BICKERDIKE
13400	015289	MONINTTER	NB	MONCTON INTER TERM
01822	030308	MONTERMON	PQ	MONTREAL TERMONT
01822	030191	MONTASYAR	PQ	MONTREAL TASCH YAR
01822	030318	MONRACTER	PQ	MONTREAL RACINE TER
01822	030305	MONWHARF	PQ	MONTREAL WHARF
01822	030002	MONULTDEP	PQ	MONTREAL ULTRA DEPO
2002	646505	MAYYARD	LA	MAYS YARD
2002	647000	NEWORLEAN	LA	NEW ORLEANS
2002	329248	NEWRICHMO	WI	NEW RICHMOND
12200	096201	PRIGEORGE	BC	PRINCE GEORGE
12442	097438	PRIRUPTER	BC	PRINCE RUPERT TERM
	070156	REGINTTER	SK	REGINA INTER TERM
12493	093804	ROBBANK	BC	ROBERTS BANK
80103	072420	SASINTTER	SK	SASKATOON INTER TER
14428	016004	STJOHIMPE	NB	SAINT JOHN IMPEX
12493	093932	VANCENPIE	BC	VANCOUVER CENT PIER
12493	093696	VANINTTER	BC	VANCOUVER INTER TER
12493	093934	VANVANter	BC	VANCOUVER VANTERM
80102	061265	WINSYMYAR	MB	WINNIPEG SYMINGTON YARD

Intermodal Service Codes

Code	Equipment Owner	Service	Note: International versus Domestic
15	Motor Carrier	Ramp to Ramp	
20	Rail Carrier	Door to Door	
22	"	Door to Ramp	
25	"	Ramp to Ramp	
27	"	Ramp to Door	
40	SS Line - Domestic	Door to Door	Domestic containers movements without prior or subsequent waterborne movement. Applies to US/Canada/Mexico traffic. Equipment supplied by stack operation or Steamship Line.
42	"	Door to Ramp	
45	"	Ramp to Ramp	
47	"	Ramp to Door	
60	Patron / Customer	Door to Door	
62	"	Door to Ramp	
65	"	Ramp to Ramp	
67	"	Ramp to Door	
80	SS Line - IMPEX	Door to Door	International shipments with prior or subsequent waterborne movement. Includes Alaska, Hawaii, Puerto Rico. Equipment supplied by stack operation or steamship Line.
82	"	Door to Ramp	
85	"	Ramp to Ramp	
87	"	Ramp to Door	