

**Implementation Guide to
Car Location Message
CLM**



Overview

Purpose of Car Location Message

This CLM Car Location Message provides timely reported events and estimated times of arrival of your shipments from CN's Service Reliability Strategy (SRS) system.

Customized Formats

The Receiver of the Car Location Message who requires coding or mapping structure other than expressly written in the AAR/NITL Standards and in the CN Implementation documents to have the necessary changes performed at their system or through a Value Added Network.

Connection to CN

CN has a secure MFT server edimft.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 CLM. The CLM 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

CN provides an email address for customers to provide updates for tables such as Transmission Scheduling Change Requests and for other information and inquiries. The Customer Support Team email address is EDIMGR@cn.ca. You can also visit us at www.cn.ca.

The CN's EDI CLM provides the following Event Status Codes which are taken from the NITL/ANSI157 Standards tables.

<u>Code</u>	<u>Long Code</u>	<u>Description</u>
A	Arrival Transit Location	Equipment has arrived at an in-transit railroad location other than the destination
B	Bad Order	Equipment has been reported or received defect at location shown.
C	Motor Carrier Arrival	Motor Carrier arrival at initial railroad facility
D	Arrival at Destination	Arrived at rail destination
E	Motor Carrier Departure	Motor Carrier departure from final railroad facility en-route to non-railroad facility
F	Flatcar Bad Order	Flatcar has been reported or received defect at location shown
G	Bad Order Release	Equipment reported released from bad order status and returned to service
H	Equipment Delayed or Held	Equipment delayed or held.
I	Equipment Offered in Interchange	Equipment offered to another railroad without any movement from the receiving road.
J	Interchange Delivery	Delivery from one railroad to another railroad with no intervening highway move.
K	Intermodal Interchange	Final railroad delivery to another carrier mode for delivery to the next railroad in route.
L	Motor Carrier Arrival	Railroad controlled arrival on motor carrier from intra-facility move
M	Motor Carrier Move	Railroad controlled departure on motor carrier for intra-facility move
P	Departure	Equipment has departed from an in-transit railroad location other than the destination

Q	Flatcar Bad Order Released	Flatcar has been reported released from Bad Order and returned to service
R	Interchange Received	Equipment received by one railroad from another with no intervening highway move
S	Storage	Equipment is being stored
U	Ramped	Container/trailer placed on flat car or roadrailer placed on rail
V	De-ramped	Container/trailer removed from flat car or roadrailer removed from rail
W	Released	Equipment released by patron at date/time/location shown
X	Pull	Car pulled from patron siding at date/time/location shown
Y	Constructive Placement/Notify	Railroad notifies customer that railcar equipment is available for placement or that trailer or container is available for highway departure
Z	Actual Placement	Equipment has been placed on the patron's siding
3	ETA	Estimated time of arrival of equipment at either an interchange point, rail destination or customer industry
6	Lading Transfer To	Lading in the reported equipment has been transferred to another railcar, container or trailer.
7	Lading Transfer From	Lading in the reported equipment has been transferred from another railcar, container or trailer.
9	Released from Hold or Miscellaneous	Date and Time a unit is reported released from hold or storage
Blank	At	The Event at this location has not been reported

As per the AAR/NITL Car Location Standards, there are 10 formats for Car Location Messages that you can choose from to receive your CLMs and a sample of each format type.

<u>Format</u>	<u>Description</u>
Blank	Basic Format
A	Basic Format with SPLC
B	Basic with Train ID
C	Basic SPLC with Train ID
D	Destination Format
E	Destination Format with SPLC
F	Flatcar Format
G	Flatcar Format with SPLC
H	ETA Format
I	ETA SPLC Format

Format: Blank – Basic Format

FIELD NAME	RAILCAR/ TRAILER/ CONTAINER ID		LOCATION				EVT CODE	DD	HR	L / E	REPORTING RR SCAC	E O L / S E P
	INITIAL	NUMBER	CITY ERPC ABBREVIATION	AEI IND	PROV/ STATE							
POSITION(S)	1-4	5-10	11-19	20	21-22	23	24-25	26-27	28	29-32		
FIELD TYPE	A	N	AN	A	A	AN	N	N	A	A		
EXAMPLE	UP	012345	STLOUIS		MO	A	08	12	L	CSXT		

TIMX005703ABERCROMB NSZ1314LCBNS
TIMX005724STELLARTO NSA0915LCBNS
UTLX643225SYLACAUGA ALP1422ENS
UTLX666745GALESBURG ILA1520EBNSF
UTLX669444PONCITY OKD1315LBNSF
UTLX682806COLUMBUS GAA1410LNS
WITX004797VALLEYFIE PQZ0814LCN
WITX005767STELLARTO NSA0915LCBNS

Format: A – Basic Format with SPLC

FIELD NAME	RAILCAR/ TRAILER/ CONTAINER ID		LOCATION				EVT CODE	DD	HR	L / E	REPORTING RR SCAC	E O L / S E P	
	INITIAL	NUMBER	SPLC	SPLC SUFFIX	AEI IND	BLANKS							
POSITION(S)	1-4	5-10	11-16	17-19	20	21-22	23	24-25	26-27	28	29-32		
FIELD TYPE	A	N	N	N	A	A	AN	N	N	A	A		
EXAMPLE	UP	012345	567500	000			A	08	12	L	CSXT		

TIMX005703011528000 Z1314LCBNS
TIMX005724011000000 A0915LCBNS
UTLX643225472880000 P1422ENS
UTLX666745385930000 A1520EBNSF
UTLX669444623170000 D1315LBNSF
UTLX682806464390000 A1410LNS
WITX004797028521000 Z0814LCN
WITX005767011000000 A0915LCBNS

Format B – Basic with Train ID

FIELD NAME	RAILCAR/ TRAILER/ CONTAINER ID		LOCATION			EVT CODE	DD	HR	L / E
	INITIAL	NUMBER	CITY ERPC ABBREVIATION	AEI IND	PROV/ STATE				
POSITION(S)	1-4	5-10	1-719	20	21-22	23	24-25	26-27	28
FIELD TYPE	A	N	AN	A	A	AN	N	N	A
EXAMPLE	UP	012345	STLOUIS		MO	A	08	12	L

TRAIN ID JUNCTION RR BAD ORDER CODE HOLD/DELAY CODE EST REPAIR/HOLD HRS	REPORTING RR SCAC	E O L / S E P
29-34	35-38	
AN	A	
NPSL07	CSXT	

TIMX005703ABERCROMB NSZ1314L CBNS
TIMX005724STELLARTO NSA0915L CBNS
UTLX643225SYLACAUGA ALP1422E NS
UTLX666745GALESBURG ILA1520E BNSF
UTLX669444PONCITY OKD1315L BNSF
UTLX682806COLUMBUS GAA1410L NS
WITX004797VALLEYFIE PQZ0814LV035 1CN
WITX005767STELLARTO NSA0915L CBNS

Format C – Basic SPLC with Train ID

FIELD NAME	RAILCAR/ TRAILER/ CONTAINER ID		LOCATION				EVT CODE	DD	HR	L / E
	INITIAL	NUMBER	SPLC	SPLC SUFFIX	AEI IND	BLANKS				
POSITION(S)	1-4	5-10	11-16	17-19	20	21-22	23	24-25	26-27	28
FIELD TYPE	A	N	N	N	A	A	AN	N	N	A
EXAMPLE	UP	012345	567500	000			A	08	12	L

TRAIN ID JUNCTION RR BAD ORDER CODE HOLD/DELAY CODE EST REPAIR/HOLD HRS	REPORTING RR SCAC	E O L / S E P
29-34	35-38	
AN	A	
NPSL07	CSXT	

TIMX005703011528000 Z1314L CBNS
TIMX005724011000000 A0915L CBNS
UTLX643225472880000 P1422E NS
UTLX666745385930000 A1520E BNSF
UTLX669444623170000 D1315L BNSF
UTLX682806464390000 A1410L NS
WITX004797028521000 Z0814LV035 1CN
WITX005767011000000 A0915L CBNS

Format D – Destination Format

FIELD NAME	RAILCAR/TRAILER/CONTAINER ID				LOCATION			EVT TIME QUAL	MM	S P A C E	DD	TIME ZONE
	INITIAL	S P A C E	NUMBER	S P A C E	CITY ERPC ABBREVIATION	AEI IND	PROV/ STATE					
								1-4	5	6-11	12	1-721
POSITION(S)	1-4	5	6-11	12	1-721	22	23-24	25	26-27	28	29-30	31
FIELD TYPE	A		N		AN	A	A	A	N		N	
EXAMPLE	UP		012345		STLOUIS		MO		08		07	

HOUR AND MINUTE	S P A C E	L / E	S P A C E	EVT CODE		S P A C E	TRAIN ID JUNCTION RR BAD ORDER CODE HOLD/DELAY CODE EST REPAIR/HOLD HRS	S P A C E
				CODE	BLANKS			
32-35	36	37	38	39	40-41	42	43-48	49
N		A		AN	AN		AN	
1200		L		A			NPSL07	

DESTINATION				S P A C E	REPORTING RR SCAC	E O L / S E P
CITY ERPC ABBREVIATION	S P A C E	PROV/ ST	S P A C E			
50-58	59	60-61	62	63-66		
AN		A		A		
CHICAGO		IL		CSXT		

TIMX 005703 ABERCROMB NS 07 13A1437 L Z ABERCROMB NS CBNS
 TIMX 005724 STELLARTO NS 07 09A1559 L A ABERCROMB NS CBNS
 UTLX 643225 SYLACAUGA AL 07 14C2200 E P ROTHSCHIL WI NS
 UTLX 666745 GALESBURG IL 07 15C2021 E A ROTHSCHIL WI BNSF
 UTLX 669444 PONCITY OK 07 13C1504 L D PONCITY OK BNSF
 UTLX 682806 COLUMBUS GA 07 14E1043 L A KAOCCCH AL NS
 WITX 004797 VALLEYFIE PQ 07 08E1440 L Z V035 1 VALLEYFIE PQ CN
 WITX 005767 STELLARTO NS 07 09A1559 L A ABERCROMB NS CBNS

Format E – Destination Format with SPLC

FIELD NAME	RAILCAR/ TRAILER/ CONTAINER ID		LOCATION				DATE/TIME				L / E
	INITIAL	NUMBER	SPLC	SPLC SUFFIX	AEI IND	BLANKS	MM	DD	HR	MN	
POSITION(S)	1-4	5-10	11-16	17719	20	21-22	23724	25-26	27-28	29-30	31
FIELD TYPE	A	N	N	N	A	A	N	N	N	N	A
EXAMPLE	UP	012345	567500	000			08	07	12	30	L

EVT CODE		TRAIN ID JUNCTION RR BAD ORDER CODE HOLD/DELAY CODE EST REPAIR/HOLD HRS	DESTINATION			REPORTING RR SCAC	E O L / S E P
CODE	BLANKS		SPLC	SPLC SUFFIX	BLANKS		
32	3-734	35-40	41-46	47-49	50-52	53-56	
AN	AN	AN	N	N	A	A	
A		NPSL07	567500	000		CSXT	

TIMX005703011528000 07131437LZ 011528000 CBNS
TIMX005724011000000 07091559LA 011528000 CBNS
UTLX643225472880000 07142200EP 327149000 NS
UTLX666745385930000 07152021EA 327149000 BNSF
UTLX669444623170000 07131504LD 623170000 BNSF
UTLX682806464390000 07141043LA 474709000 NS
WITX004797028521000 07081440LZ V035 1028521000 CN
WITX005767011000000 07091559LA 011528000 CBNS

Format F – Flatcar Format

FIELD NAME	RAILCAR/TRAILER/CONTAINER ID			S P A C E	LOCATION			EVT TIME QUAL	MM	S P A C E	DD	TIME ZONE
	INITIAL	S P A C E	NUMBER		CITY ERPC ABBREVIATION	AEI IND	PROV/ STATE					
	1-4	5	6-11		12	13-21	22					
POSITION(S)	1-4	5	6-11	12	13-21	22	23-24	25	26-27	28	29-30	31
FIELD TYPE	A		N		AN	A	A		N		N	
EXAMPLE	UP		012345		STLOUIS		MO		08		07	

HOUR AND MINUTE	S P A C E	L / E	S P A C E	EVT CODE		S P A C E	TRAIN ID JUNCTION RR BAD ORDER CODE HOLD/DELAY CODE EST REPAIR/HOLD HRS	S P A C E
				CODE	BLANKS			
32-35	36	37	38	39	40-41	42	43-48	49
N		A		AN	AN		AN	
1200		L		A			NPSL07	

DESTINATION				S P A C E	FLAT CAR ID		S P A C E	REPORTING RR SCAC	E O L / S E P
CITY ERPC ABBREVIATION	S P A C E	PROV/ ST	60-61		INITIAL	NUMBER			
					63-66	67-72			
5-758		59	60-61	62	63-66	67-72	73	74-77	
AN			A		A	N		A	
CHICAGO			IL		UP	012345		CSXT	

TIMX005703011528000 07131437LZ 011528000 CBNS
TIMX005724011000000 07091559LA 011528000 CBNS
UTLX643225472880000 07142200EP 327149000 NS
UTLX666745385930000 07152021EA 327149000 BNSF
UTLX669444623170000 07131504LD 623170000 BNSF
UTLX682806464390000 07141043LA 474709000 NS
WITX004797028521000 07081440LZ V035 1028521000 CN
WITX005767011000000 07091559LA 011528000 CBNS

Format G – Flatcar Format with SPLC

FIELD NAME	RAILCAR/ TRAILER/ CONTAINER ID		LOCATION				DATE/TIME				L / E
	INITIAL	NUMBER	SPLC	SPLC SUFFIX	AEI IND	BLANKS	MM	DD	HR	MN	
POSITION(S)	1-4	5-10	11-16	17-19	20	21-22	23-24	25-26	27-28	29-30	31
FIELD TYPE	A	N	N	N	A	A	N	N	N	N	A
EXAMPLE	UP	012345	567500	000			08	07	12	30	L

EVT CODE		TRAIN ID JUNCTION RR BAD ORDER CODE HOLD/DELAY CODE EST REPAIR/HOLD HRS			DESTINATION			FLAT CAR ID	
CODE	BLANKS				SPLC	SPLC SUFFIX	BLANKS	INITIAL	NUMBER
32	33-34	35-40			41-46	47-49	50-52	53-56	57-62
AN	AN	AN			N	N	A	A	N
A		NPSL07			567500	000		UP	012345

RR SCAC

REPORTING	E
63-66	L
A	/
CSXT	P

O

TIMX005703011528	07131437LZ	011528000	CBNS
TIMX005724011000	07091559LA	011528000	CBNS
UTLX643225472880	07142200EP	327149000	NS
UTLX666745385930	07152021EA	327149000	BNSF
UTLX669444623170	07131504LD	623170000	BNSF
UTLX682806464390	07141043LA	474709000	NS
WITX004797028521	07081440LZ	V035 1028521000	CN
WITX005767011000	07091559LA	011528000	CBNS

Format H – ETA Format

FIELD NAME	RAILCAR/TRAILER/CONTAINER ID			SPACE	LOCATION		EVENT DATE/TIME			
	INITIAL	SPACE	NUMBER		CITY ERPC ABBREVIATION	PROV/STATE	MM	DD	HR	MN
POSITION(S)	1-4	5	6-11	12	1-721	22-23	24-25	26-27	28-29	30-31
FIELD TYPE	A		N		AN	A	N	N	N	N
EXAMPLE	UP		012345		STLOUIS	MO	08	07	12	00

L / E	EVT CODE	TRAIN ID JUNCTION RR BAD ORDER CODE HOLD/DELAY CODE EST REPAIR/HOLD HRS	DESTINATION		REPORTING RR SCAC
			CITY ERPC ABBREVIATION	PROV/STATE	
32	33	34-39	40-48	49-50	51-54
A	AN	AN	AN	A	A
L	A	NPSL07	CHICAGO	IL	CSXT

ETA DESTINATION		SPACE	ETA EVT CODE	SPACE	ETA DATE/HOUR			A E I I N D 75	E O L / S E P
CITY ERPC ABBREVIATION	PROV/STATE				MM	DD	HR		
55-63	64-65	66	67	68	69-70	71-72	73-74	75	
AN	A		A		N	N	N	A	
MCCOOK	IL		Z		08	09	08		

WITX 005777 MONINTTERNB07161247EA 40716PONCITY OKCN PONCITY OK Z 072901Y

Format I – ETA SPLC Format

FIELD NAME	RAILCAR/TRAILER/ CONTAINER ID		LOCATION		DATE/TIME				L / E	EVT CODE
	INITIAL	NUMBER	SPLC	SUFFIX	MM	DD	HR	MN		
POSITION(S)	1-4	5-10	11-16	17-19	2-721	2-723	24-25	26-27	28	29
FIELD TYPE	A	N	N	N	N	N	N	N	A	AN
EXAMPLE	UP	012345	567500	000	08	07	12	30	L	A

TRAIN ID JUNCTION RR BAD ORDER CODE HOLD/DELAY CODE EST REPAIR/HOLD HRS	DESTINATION		REPORTING RR SCAC	ETA DESTINATION		ETA EVT CODE
	SPLC	SUFFIX		SPLC	SUFFIX	
30-35	36-41	42-44	45-48	49-54	55-57	58
AN	N	N	A	N	N	AN
NPSL07	567500	000	CSXT	567500	000	Z

ETA DATE/HOUR			A E I N D	E O L / S E P
MM	DD	HR		
59-60	61-62	63-64	65	
N	N	N	A	
08	09	08		

WITX00577701528900007161247EA 40716623170000CN 623170000Z072901Y

ETA FORMAT (H/I) FIELD DEFINITION:

- S ETA Destination - The location to which the ETA is calculated. It is generally one of the following.

Event ETA City Represents

Z	Actual Placement City
Y	Notify/Available
D	Train Arrival At Last Major Handling Terminal
E	Out Gate
V	Deramp
J	Interchange Delivery Location
A	Train Arrival At Intermediate Location

- S ETA Event - CLM Event Code representing the shipment event to which the ETA Date/Time applies.
- S ETA Date/Time - Estimated date/time applicable for ETA event specified. It is (was) the most current ETA available at the time the CLM event occurred.
- S ETA Calculation And Reporting - ETAs will be calculated and reported with each shipment event occurrence with CLM text formats of H and I. Each calculation will result in either the same ETA as previously reported or a new ETA. There will be ETA changes at times when no new movement event has occurred (e.g., missed train departure). When this occurs, the new ETA will be reported as the CLM Sighting Code 3. Refer to the CLM ETA Reporting Guidelines, Section 2.3.6., for complete information. Railroads may have the ability to suppress the reporting of the 3 Sighting Code.

Each railroad may calculate ETAs slightly differently and may not have the ability to update the ETA if it changes.

Contact each railroad for specific details.