



Implementation Guide to Shipment Weights

EDI 440

Overview

Purpose of Application Advice

The EDI 440 Shipment Weights transaction allows you to send CN the weight of your shipments and update your Bill of Lading (EDI 404) in CN's Service Reliability System (SRS). The EDI 440 should always be sent to the origin road of the shipment.

EDI Version & Guidelines

The Shipment Weights EDI 440, closely complies with the official published Guidelines of the Information Systems Agreement, Standards Work Group. We will accept versions up to 007030.

Customized Formats

It is entirely the responsibility of the Sender of the 440 who requires coding or mapping structure other than expressly written in the Guidelines and here in the CN Implementation documents to have the necessary changes performed at their system or through a Value Added Network (VAN).

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.

Weights forwarded to Next Rail Carrier

CN will forward the weights to the next road in the route on your behalf:

1. If we receive the 440 weight update and our waybill is active, we will pass on the new weight on the next road in the route via an EDI 417.
2. If we receive the 440 weight update and our waybill is closed, we will pass on the new weight to the next road in the route via an EDI 440.

Response

If required, we can respond to your EDI 440 with an EDI 997 Acknowledgement that we have received the 440 successfully.

CN Contact

CN provides an email address for customers to provide other information and inquiries. The EDI Data Quality Coordinator Team email address is EDIMGR@cn.ca. You can also visit us at www.cn.ca.

Shipment Weights Mapping Guide (EDI 440)

This section contains the details of how the EDI 440 message will be formatted.

Sample EDI 440

ISA*02*SW440 *00* *ZZ*ABCINC *02*CN
*180112*1454*U*00703*0075732*0*P*>
GS*WR*ABCINC*CN*20180112*1454*1195*X*007030
ST*440*011950001
BW*CN*25701066*L
G4*BATON ROUGE *LA*ABCFOODS*20180112*1454*P
G5*ECUX*880563*112768*20180112*144480*N*****2821144*BM*000039
SE*9*011950001
GE*1*1195
IEA*1*0075732

ISA Segment: Interchange Control Header

ISA*02*SW440 *00* *ZZ*ABCINC *02*CN *180112*1454*U*00703*0075732*0*P*>

Element Seg	Element Description	Data Element	Data Type	Characters Min/Max
ISA01	Authorization Information Qualifier	I01	ID	2/2
ISA02	Authorization Information (SW440 – fill out field with spaces)	I02	AN	10/10
ISA03	Security Information Qualifier	I03	ID	2/2
ISA04	Security Information (ten spaces)	I04	AN	10/10
ISA05	Interchange ID Qualifier	I05	ID	2/2
ISA06	Interchange Sender ID (ABCDINC - fill out field with spaces)	I06	AN	15/15
ISA07	Interchange ID Qualifier (If RR SCAC use 02)	I05	ID	2/2
ISA08	Interchange Receiver ID (CN- fill out field with spaces)	I07	AN	15/15
ISA09	Interchange Date (YYMMDD)	I08	DT	6/6
ISA10	Interchange Time (HHMM)	I09	TM	4/4
ISA11	Repetition Separator (Suggest “^”)	I65		1/1
ISA12	Interchange Control Version Number (Value 00703)	I11	ID	5/5
ISA13	Interchange Control Number (a control number assigned by sender)	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*WR*ABCINC*CN*20180112*1454*1195*X*007030

<u>Element Seg</u>	<u>Element Description</u>	<u>Data Element</u>	<u>Data Type</u>	<u>Characters Min/Max</u>
GS01	Functional Identifier Code (WR= Shipment Weights (440))	479	ID	2/2
GS02	Application Sender's Code	142	AN	2/15
GS03	Application Receiver's Code (CN=Canadian National)	124	AN	2/15
GS04	Date (YYYYMMDD)	373	DT	8/8
GS05	Time (HHMM)	337	TM	4/8
GS06	Group Control Number (Assigned number originated and maintained by the sender)	28	N0	1/9
GS07	Responsible Agency Code (X=Accredited Standards Committee X12)	455	ID	1/2
GS08	Version / Release / Industry Identify	480	AN	1/12

ST Segment: Transaction Set Header

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

ST*440*011950001

<u>Element Seg</u>	<u>Element Description</u>	<u>Data Element</u>	<u>Data Type</u>	<u>Characters Min/Max</u>
ST01	Transaction Set Identifier Code (440=Shipment Weights)	143	ID	3/3
ST02	Transaction Set Control Number (Sequential control number generated by the sender)	329	AN	4/9

BW Segment: Beginning Segment for Weight Message Set

BW*CN*25701066*L

Element Seg	Element Description	Data Element	Data Type	Characters Min/Max
BW01	Origin EDI Carrier Code	298	ID	2/4
BW02	Shipment Identifier Number	145	AN	1/30
BW03	Weight Unit Code (L=pounds)	188	ID	1/1

G4 Segment: Scale Identification

G4*BATON ROUGE *LA*ABCFOODS*20180112*1454*P

Element Seg	Element Description	Data Element	Data Type	Characters Min/Max
G401	City Name	19	AN	2/30
G402	State or Province Code	156	ID	2/2
G403	Name (Scaling company's name)	93	AN	1/60
G404	Date (Scale event date)	373	DT	8/8
G405	Time (Scale event time)	337	TM	4/8
G406	Scale Type Code (P=private, R=rail)	570	ID	1/1

G5 Segment: Scale Information

G5*ECUX*880563*112768*20180112*144480*N***2821144*BM*000039**

Element Seg	Element Description	Data Element	Data Type	Characters Min/Max
G501	Equipment Initial	206	AN	1/4
G502	Equipment Number	207	AN	1/15
G503	Waybill Number	186	N0	1/6
G504	Date (waybill date)	373	DT	8/8
G505	Weight	81	R	1/10
G506	Weight Qualifier (N=actual net weight; G=gross weight)	187	ID	½
G514	Commodity Code	22	AN	1/30
G515	Reference Identification Qualifier (BM=bill of lading number)	128	AN	2/3
G516	Reference Identification	127	AN	1/80

SE Segment: Transaction Set Trailer**SE*9*011950001**

<u>Element Seg</u>	<u>Element Description</u>	<u>Data Element</u>	<u>Data Type</u>	<u>Characters Min/Max</u>
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*1195**

<u>Element Seg</u>	<u>Element Description</u>	<u>Data Element</u>	<u>Data Type</u>	<u>Characters Min/Max</u>
GE01	Number of Transaction Sets Included	97	N0	1/6
GE02	Group Control Number (Repeated from GS Segment GS06)	28	N0	1/9

IEA Segment: Interchange Control Trailer**IEA*1*0075732**

<u>Element Seg</u>	<u>Element Description</u>	<u>Data Element</u>	<u>Data Type</u>	<u>Characters Min/Max</u>
IEA01	Number of included Functional Groups	I16	N0	1/5
IEA02	Interchange Control Number (Same number as ISA13)	I12	N0	9/9