Implementation Guide
Functional Acknowledgement Message

EDI 997

In Response to EDI 404 Bill of Lading

Version 8030

Purpose of Functional Acknowledgement Message EDI 997

The EDI 997 Functional Acknowledgement message is sent to the customer to directly acknowledge that we received a bill of lading (EDI 404) in our Service Reliability System (SRS).

EDI Version & Guidelines

The EDI 997 version matches the same version used on the EDI 404 that we received. We can currently accept up to Version 8030.

Customized Formats

It is entirely the responsibility of the Receiver of the EDI 997 who requires coding or a mapping structure other than what is expressly written in the EDI Guidelines and here in the CN Implementation Guide 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 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.

CN Contact

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

Functional Acknowledgement Mapping Guide (EDI 997)

This section contains the details of how the EDI 997 message is formatted.

Example EDI 997 message

```
ISA*00*      *00*      *02*CN       *02*GENERIC     *230816*1331*U*00803*000011356*0*P>
GS*FA*CN*GENERIC*20230816*1331*11356*X*008030
ST*997*0001
AK1*SR*11356
AK2*404*113560001
AK5*A
AK9*A*1*1*1
SE*10*0001
GE*1*11356
IEA*1*000011356
```

ISA Segment: Interchange Control Header

ISA*00*　　*00*　　*02*CN　　*02*GENERIC　　*230816*1331*U*00803*000011356*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 (Ten spaces)	I04	AN	10/10
ISA05	Interchange ID Qualifier	I05	ID	2/2
ISA06	Interchange Sender ID (CN - 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 (GENERIC- 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 00803)	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*FA*CN*GENERIC*20230816*1331*11356*X*008030

Ref. Des.	Name	Data Element	Attributes	
GS01	Functional Identifier Code (FA=Functional Acknowledgement EDI 997)	479	ID	2/2
GS02	Application Sender's Code	142	AN	2/15
GS03	Application Receiver's Code	124	AN	2/15
GS04	Date (YYYYMMDD)	373	DT	8/8
GS05	Time (HHMM)	337	TM	4/8
GS06	Group Control Number (Assigned number maintained by CN)	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*997*0001

Ref. Des.	Name	Data Element	Attributes	
ST01	Transaction Set Identifier Code (997=Functional Acknowledgement)	143	ID	3/3
ST02	Transaction Set Control Number (Sequential control number generated by CN)	329	AN	4/9

AK1 Segment: Functional Group Response Header

AK1*SR*11356

Ref. Des.	Name	Data Element	Attributes	
AK101	Functional Identifier Code (SR=rail carrier shipment information 404)	479	ID	2/2
AK102	Group Control Number	28	N0	1/9

AK2 Segment: Transaction Set Response Header

AK2*404*113560001

Ref. Des.	Name	Data Element	Attributes	
AK201	Transaction Set Identifier Code (404=rail carrier shipment information 404)	143	ID	3/3
AK202	Transaction Set Control Number	329	AN	4/9

AK5 Segment: Transaction Set Response Trailer

AK5*A

Ref. Des.	Name	Data Element	Attributes	
AK501	Transaction Set Acknowledgement Code (A=accepted)	717	ID	1/1

AK9 Segment: Functional Group Response Trailer

AK9*A*1*1*1

Ref. Des.	Name	Data Element	Attributes	
AK901	Functional Group Acknowledgement Code (A=accepted)	715	ID	1/1
AK902	Number of Transaction Sets Included	97	N0	1/6
AK903	Number of Received Transaction Sets	123	N0	1/6
AK904	Number of Accepted Transaction Sets	2	N0	1/6

SE Segment: Transaction Set Trailer

SE*10*0001

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*11356

Ref. Des.	Name	Data Element	Attributes	
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*000011356

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