Samskip EDI | Message Implementation Guide

IFTSTA D.09A

v 1.0 | 8 March 2023

About This Document

This document provides samples of messages which would validate in the connectivity between SAMSKIP and its trading partners. Subsequent sections provide details for each example introduced.

Audience

This document is intended for personnel engaged in establishing an electronic connection with SAMSKIP for the purpose of exchanging business transactions over the Internet.

Document History

Release Date	Document Information
November 1, 2022	Initial document.

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1 Introduction

1.1 EDIFACT is SAMSKIP's preferred format

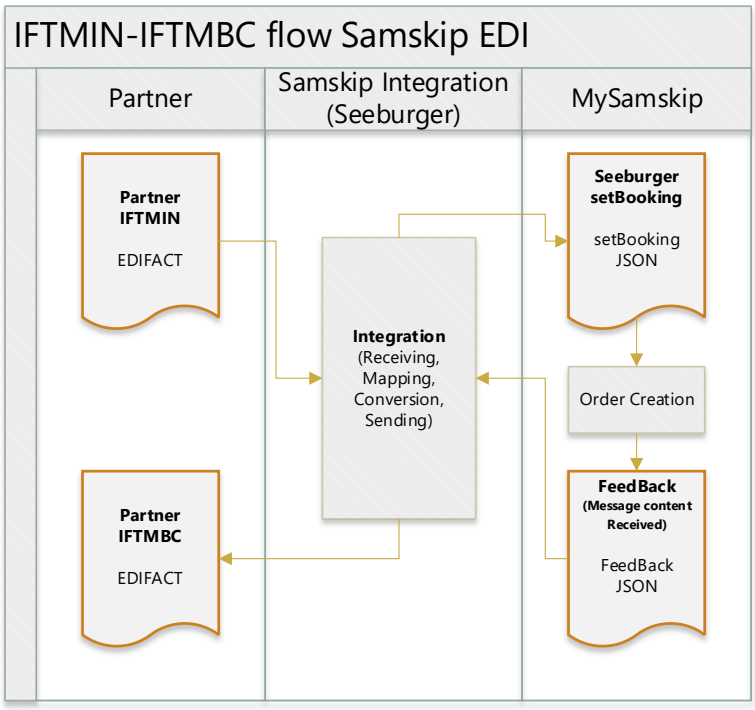
SAMSKIP supports several formats for exchanging EDI messages. EDIFACT, X12, xml, json, csv and flat files are in use. If the partner can use EDIFACT, this is the preferred format.
EDIFACT provides:

- A set of syntax rules to structure data
- Standard messages that allow data exchange between different industries and different countries – also known as a transaction
- An extensive set of code lists and indicates which protocol is used for secure messaging
- Developed in 1987 by the United Nations (UN), providing an international standard
- EDIFACT is ISO 9735-10:2014 certified

At the time of writing, we're using Seeburger as our EDI system, capable of providing an even wider range of formats.

1.2 Scope

We limited the number of messages we describe in this guide to four, most preferred and most used messages in our Partner integrations.



2 IFTSTA D.99B Status Report message

2.1 Functional definition

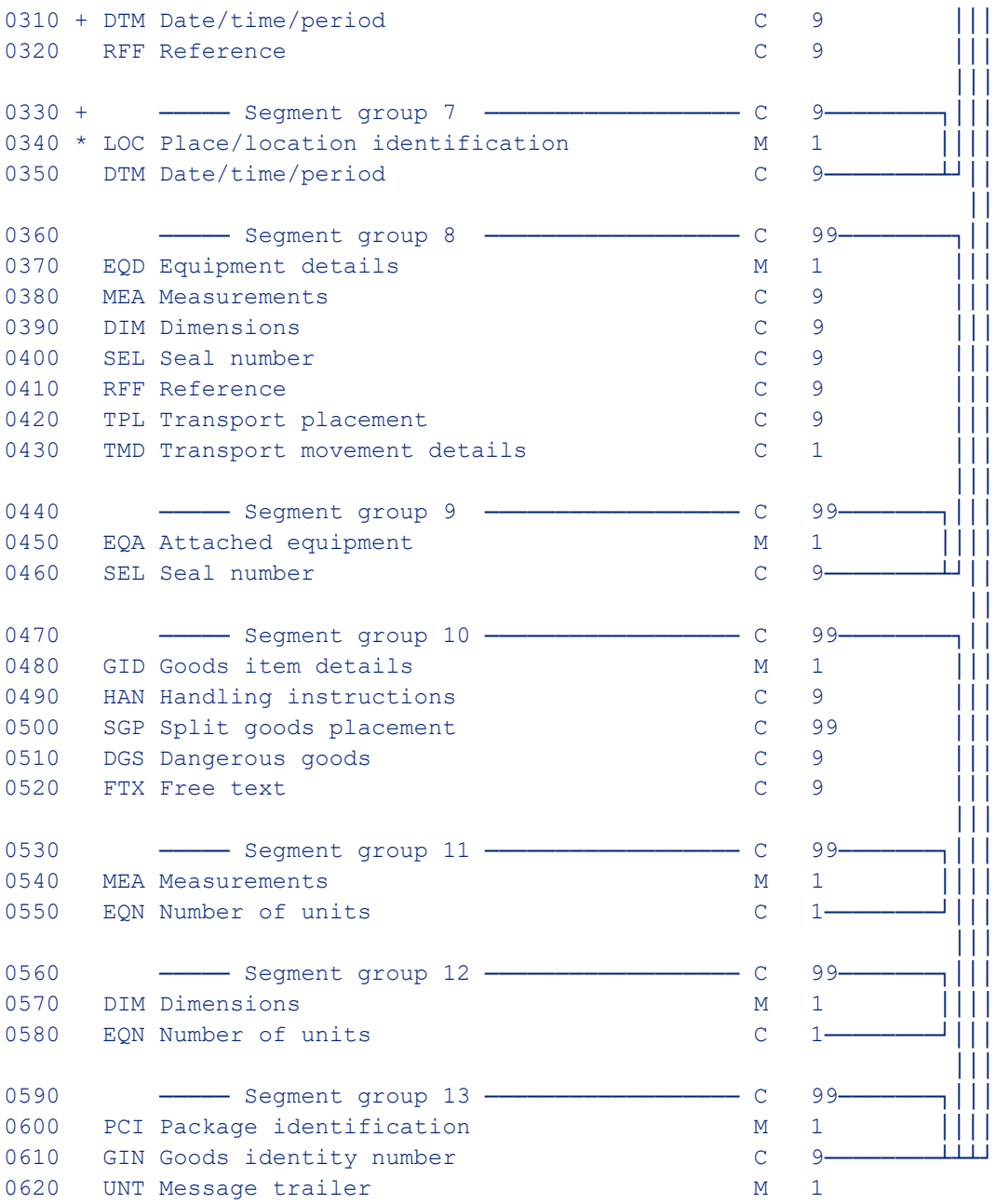
A message to report the transport status and/or a change in the transport status (i.e. event) between agreed parties.

2.2 Field of application

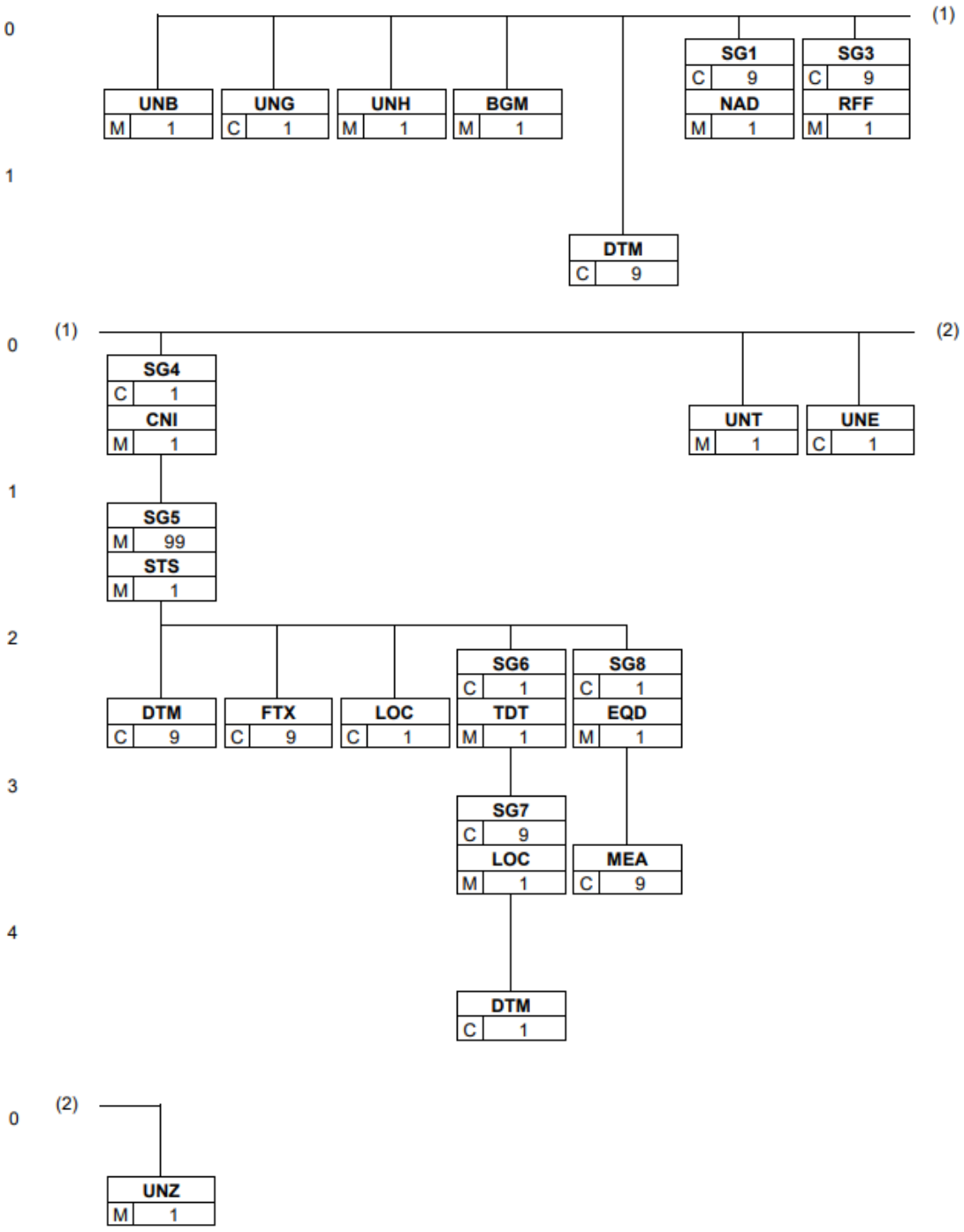
The International multimodal status report message may be used for both national and international applications. It is based on universal practice related to administration, commerce and transport, and is not dependent on the type of business or industry.

2.3 IFTSTA message, Message Structure Chart

Pos	Tag	Name	S	R
0010	UNH	Message header	M	1
0020	BGM	Beginning of message	M	1
0030	DTM	Date/time/period	C	9
0040	TSR	Transport service requirements	C	1
0050		---- Segment group 1 ----	C	9
0060	NAD	Name and address	M	1
0070		---- Segment group 2 ----	C	9
0080	CTA	Contact information	M	1
0090	COM	Communication contact	C	9
0100		---- Segment group 3 ----	C	9
0110	RFF	Reference	M	1
0120	DTM	Date/time/period	C	1
0130	LOC	Place/location identification	C	9
0140	FTX	Free text	C	9
0150	CNT	Control total	C	9
0160		---- Segment group 4 ----	C	99999
0170	CNI	Consignment information	M	1
0180	LOC	Place/location identification	C	9
0190	CNT	Control total	C	9
0200		---- Segment group 5 ----	M	99
0210	STS	Status	M	1
0220	RFF	Reference	C	999
0230	DTM	Date/time/period	C	9
0240	DOC	Document/message details	C	1
0250	FTX	Free text	C	9
0260	NAD	Name and address	C	9
0270	LOC	Place/location identification	C	1
0280	PCI	Package identification	C	99
0290		---- Segment group 6 ----	C	99
0300	TDT	Details of transport	M	1


0310 + DTM Date/time/period C 9
0320 RFF Reference C 9
0330 + Segment group 7 C 9
0340 * LOC Place/location identification M 1
0350 DTM Date/time/period C 9
0360 Segment group 8 C 99
0370 EQD Equipment details M 1
0380 MEA Measurements C 9
0390 DIM Dimensions C 9
0400 SEL Seal number C 9
0410 RFF Reference C 9
0420 TPL Transport placement C 9
0430 TMD Transport movement details C 1
0440 Segment group 9 C 99
0450 EQA Attached equipment M 1
0460 SEL Seal number C 9
0470 Segment group 10 C 99
0480 GID Goods item details M 1
0490 HAN Handling instructions C 9
0500 SGP Split goods placement C 99
0510 DGS Dangerous goods C 9
0520 FTX Free text C 9
0530 Segment group 11 C 99
0540 MEA Measurements M 1
0550 EQN Number of units C 1
0560 Segment group 12 C 99
0570 DIM Dimensions M 1
0580 EQN Number of units C 1
0590 Segment group 13 C 99
0600 PCI Package identification M 1
0610 GIN Goods identity number C 9
0620 UNT Message trailer M 1

2.4 IFTSTA message, Branching Diagram



2.5 IFTSTA message, Segment Description

0010 UNH, Message header

A service segment starting and uniquely identifying a message. The message type code for the International multimodal status report message is IFTSTA.

0020 BGM, Beginning of message

A segment indicating the beginning of a message and identifying the consignment for which status is being reported.

0030 DTM, Date/time/period

A segment indicating the date of the message.

0040 TSR, Transport service requirements

A segment identifying the transport service relating to the consignment.

0050 Segment group 1: NAD-SG2

A group of segments to specify a party and its associated contacts with communication numbers.

0060 NAD, Name and address

A segment identifying a party to the consignment such as shipper or consignee.

0070 Segment group 2: CTA-COM

A group of segments to identify a contact and its communications related to the party.

0080 CTA, Contact information

A segment to specify a contact name associated with the party.

0090 COM, Communication contact

A segment to specify a communication number related to the contact.

0100 Segment group 3: RFF-DTM

To relate a date/time to a reference, such as date of shipment reference number.

0110 RFF, Reference

A segment identifying a reference which applies to the entire consignment.

0120 DTM, Date/time/period

To relate a date/time to a reference, such as date of shipment reference number.

0130 LOC, Place/location identification

A segment identifying a place/location which applies to the consignment such as consignment origin and destination.

0140 FTX, Free text

A segment specifying free form or processable supplementary or other information.

0150 CNT, Control total

A segment specifying a total for the consignment.

0160 Segment group 4: CNI-LOC-CNT-SG5

A group of segments to identify a consignment and status details relating to it.

0170 CNI, Consignment information

A segment to identify a consignment for which status details are given.

0180 LOC, Place/location identification

A segment to indicate a location relating to the consignment, such as place/port of origin, place/port of destination.

0190 CNT, Control total

A segment to provide a control total for the consignment, such as total number of pieces, total weight.

0200 Segment group 5: STS-RFF-DTM-DOC-FTX-NAD-LOC-PCI-SG6-SG8-SG10

A group of segments indicating the status and/or identifying an event and specifying relevant details.

0210 STS, Status

A segment specifying the status relating to a consignment (e.g. loaded).

0220 RFF, Reference

A segment identifying a reference relating to the status (e.g House Bill of Lading number).

0230 DTM, Date/time/period

A segment indicating the date and time of the status or event.

0240 DOC, Document/message details

A segment to specify document details related to the status code, such as indication which document is missing (status code: document missing).

0250 FTX, Free text

A segment specifying processable information relating to the status.

0260 NAD, Name and address

A segment specifying the name and/or address associated with the event such as notify party, terminal address, trucking company for gate move.

0270 LOC, Place/location identification

A segment identifying the location at which the status or event occurs.

0280 PCI, Package identification

A segment to specify individual packages (transportable units) relating to the consignment status.

0290 Segment group 6: TDT-DTM-RFF-SG7

A group of segments indicating conveyance details related to the status or event.

0300 TDT, Details of transport

A segment identifying conveyance related to the status or event such as flight, vessel/voyage.

0310 DTM, Date/time/period

A segment indicating date(s) and time(s) related to the conveyance such as arrival date and time.

0320 RFF, Reference

A segment specifying an additional reference related to the conveyance such as transfer manifest number, truck license number.

0330 Segment group 7: LOC-DTM

A group of segments indicating locations related to the means of transport.

0340 LOC, Place/location identification

A segment indicating locations related to conveyance such as flight origin/destination.

0350 DTM, Date/time/period

A segment to specify dates and times related to a location.

0360 Segment group 8: EQD-MEA-DIM-SEL-RFF-TPL-TMD-SG9

A group of segments indicating the equipment details relating to the status or event.

0370 EQD, Equipment details

A segment identifying equipment related to status or event such as a container of a multi-container consignment.

0380 MEA, Measurements

A segment specifying measurements related to the equipment such as gross weight, tare weight, capacity.

0390 DIM, Dimensions

A segment specifying the dimensions of the equipment such as height.

0400 SEL, Seal number

A segment identifying seal and seal issuer associated with the equipment.

0410 RFF, Reference

A segment to specify a reference number to equipment.

0420 TPL, Transport placement

A segment to identify the means of transport to which the equipment is linked, necessary in cases where this forms the key to retrieve relevant information.

0430 TMD, Transport movement details

A segment to specify transport movement details related to the equipment.

0440 Segment group 9: EQA-SEL

A group of segments specifying the attached equipment and the associated seal information.

0450 EQA, Attached equipment

A segment identifying attached equipment or related equipment such as a chassis attached to a container.

0460 SEL, Seal number

A segment identifying seal and seal issuer associated with the equipment.

0470 Segment group 10: GID-HAN-SGP-DGS-FTX-SG11-SG12-SG13

A group of segments describing the goods item related to the status or event.

0480 GID, Goods item details

A segment identifying a goods item.

0490 HAN, Handling instructions

A segment identifying handling instructions.

0500 SGP, Split goods placement

A segment to identify equipment in which (part of) a goods item is transported.

0510 DGS, Dangerous goods

A segment to specify dangerous goods details related to the goods item.

0520 FTX, Free text

A segment to describe the goods item, and to provide additional free text information related to the goods item.

0530 Segment group 11: MEA-EQN

A group of segments specifying measurements.

0540 MEA, Measurements

A segment specifying measurements, other than dimension, of a goods item.

0550 EQN, Number of units

A segment specifying the number of units to which the given measurement is applicable.

0560 Segment group 12: DIM-EQN

A group of segments specifying dimensions of a goods item.

0570 DIM, Dimensions

A segment specifying dimensions of a goods item.

0580 EQN, Number of units

A segment specifying the number of units to which the given dimension is applicable.

0590 Segment group 13: PCI-GIN

A group of segments specifying marks and numbers related to the transport line items.

0600 PCI, Package identification

A segment specifying marks related to the transport line items.

0610 GIN, Goods identity number

A segment specifying identity numbers related to the transport line items.

0620 UNT, Message trailer

A service segment ending a message, giving the total number of segments in the message (including the UNH & UNT) and the control reference number of the message.

2.6 IFTSTA, Segment Layout

The segments are presented in the sequence in which they appear in the message. The segment or segment group tag is followed by the (M)andatory / (C)onditional indicator, the maximum number of occurrences and the segment description.

TAG	Description	M/C	Type	Usage
UNH	**Message header**	M - 1		
62	**Message reference number**	M	an … 14	Senders unique message reference. Sequence number of the messages in the interchange. DE 0062 in the UNT will be identical. Sender generated, e.g. 1.
S009	**MESSAGE IDENTIFIER**	M		
65	Message type identifier	M	an … 6	IFTMIN
52	Message type version number	M	an … 3	D
54	Message type release number	M	an … 3	09A
51	Controlling agency	M	an … 2	UN
57	Association assigned code	C	an … 6	*not used*
68	**Common access reference**	C	an … 35	*not used*
S010	**Status of the transfer**	C		
70	Sequence message transfer number	M	n … 2	*not used*
73	First/Last sequence message transfer identification	C	a1	*not used*
Example: UNH+20569795.1+IFTMIN:D:99B:UN'				

3 IFTSTA D.99B example message

3.1 IFTSTA D.99B, example

```
UNB+UNOC:1+SAMSKIPMCL+PARTNER_XYZ+221109:1750+20221109175012'
UNH+1+IFTSTA:D:99B:UN:2.0'
BGM+770+20569795+6+AP'
DTM+137:202211091750:203'
TSR+30'
NAD+CA+SBDU:160:87+Samskip Multimodal B.V.'
CTA+CW+:Samskip Customer Service'
COM+088-1234567:EM'
NAD+CZ+1045354:160:192+Partner XYZ'
RFF+SI:3022739'
RFF+AIW:3022739'
RFF+SRN:3022739'
RFF+CT:QT161263-03'
RFF+BN:2200246487'
CNI'
LOC+10+NLRTM:181:6:Rotterdam'
LOC+125+GBGRG:181:6:Grangemouth'
STS'
NAD+CK++Rotterdam RST CT:Reeweg:Rotterdam RST CT++Reeweg 35:Rotterdam+++3089
KM+NLD'
NAD+TR++Grangemouth CT:Central Dock Road:Grangemouth CT++Central Dock Road
35:Grangemouth+++FK3 8UE+GBR'
TDT+20+++++++:::Will be determined later'
DTM+200:20221103:102'
DTM+17:20221109:102'
EQD+CN+EURU1618098:146:ZZZ+F2T:102:5'
GID+1'
FTX+AAA+++CORROSIVE SOLID, N.O.S.'
MEA+AAE+G+KGM:24140'
UNT+27+1'
UNZ+1+20221109175012'
```

3.2 IFTSTA D.99B, content

INTERNATIONAL MULTIMODAL STATUS REPORT MESSAGE

General Information

DOCUMENT INFORMATION

MESSAGE REFERENCE NUMBER: 1
MESSAGE IDENTIFIER: International multimodal status report message
MESSAGE VERSION NUMBER: Draft version/UN/EDIFACT Directory
MESSAGE RELEASE NUMBER: Release 1999 - B
CONTROLLING AGENCY, CODED: UN/ECE/TRADE/WP.4
ASSOCIATION ASSIGNED CODE: Code 2.0

DOCUMENT/MESSAGE NAME: Booking confirmation
DOCUMENT/MESSAGE IDENTIFICATION: 20569795
Message function code: Confirmation
Response type code: Accepted

DATE/TIME

Document/message date/time: 11/9/2022 (17:50)

TRANSPORT SERVICE REQUIREMENTS

CONTRACT AND CARRIAGE CONDITION: Pier-to-pier

CONTACT INFORMATION

Carrier (Assigned by carrier) : SBDU
Samskip Multimodal B.V.

CONTACT INFORMATION

Contact function code: Confirmed with
Department or employee: Samskip Customer Service

COMMUNICATION CONTACT

COMMUNICATION CONTACT: 088-1234567
Communication number code qualifier: Electronic mail

CONTACT INFORMATION

Consignor (Shipper's association) : 1045354
Partner XYZ

REFERENCE

SID (Shipper's identifying number for shipment) : 3022739

REFERENCE

Transport section reference number : 3022739

REFERENCE

Shipment reference number : 3022739

REFERENCE

Contract number : QT161263-03

REFERENCE

Booking reference number : 2200246487

CONSIGNMENT INFORMATION

PLACE/LOCATION IDENTIFICATION

Place of acceptance : NLRTM

Code list identification code: Activity

Code list responsible agency code: UN/ECE (United Nations - Economic Commission for

Location name: Rotterdam

PLACE/LOCATION IDENTIFICATION

Last place/port of call of conveyance : GBGRG

Code list identification code: Activity

Code list responsible agency code: UN/ECE (United Nations - Economic Commission for

Location name: Grangemouth

STATUS

CONTACT INFORMATION

Empty equipment despatch party ID :

Rotterdam RST CT , Reeweg , Rotterdam RST CT

Reeweg 35 , Rotterdam

Terminal operator ID :

Grangemouth CT , Central Dock Road , Grangemouth CT

Central Dock Road 35 , Grangemouth

DETAILS OF TRANSPORT

Transport stage code qualifier: Main-carriage transport

Transport means identification name: Will be determined later

DATE/TIME

Pick-up/collection date/time of cargo: 11/3/2022

Delivery date/time, estimated: 11/9/2022

EQUIPMENT DETAILS

Equipment type code qualifier: Container

EQUIPMENT IDENTIFICATION: EURU1618098

Code list identification code: Means of transport identification

Code list responsible agency code: Mutually defined

EQUIPMENT SIZE AND TYPE: Code F2T

Code list identification code: Size and type

Code list responsible agency code: ISO (International Organization for Standardization)

GOODS ITEM DETAILS

Goods item number: 1

NOTES	CORROSIVE SOLID, N.O.S.

MEASUREMENTS

Gross weight: 24140 kilogram

3.3 Example of a IFTSTA message, valid for SAMSKIP Connectivity

An EDIFACT IFTSTA message is a message to report the transport status and/or a change in the transport status (i.e. event) between agreed parties.