



EDIFACT Version D Release 99B

**IFTSAI
Ocean Transport Schedule**

Message Implementation Guide

Version 1.0

Change history

Version	Date	Comments
1.0.0	01-Sep-2018	Initial version

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1 Audience

This document is intended for business, technical and EDI personnel engaged in establishing an electronic connection with Hamburg Süd for the purpose of receiving Ocean Transport Schedules via EDIFACT IFTSAI (D99B).

The following chapters provide information regarding General Conventions and Message Specifications.

2 General Information

2.1 Terminology

Throughout the manual terminology will be used that you may not be too familiar with. In order to make the task of understanding the manual easier, listed below are simple definitions of the common EDI terminology.

Directory

An EDI directory is published every 6 months in form of versions. The version name of the directory is named by 4 character mnemonic code made up of the year and part of year (identified by A or B). For example, the specifications within this manual conform to the directory approved by the United Nations in the second half of 1995 with a directory mnemonic code of D99B.

Each directory contains sub-directories for messages, segments, composites and data elements, all of which may change with directory versions. However, since a directory version is permanent, there is no need to update computer applications when specific directory has been adopted.

Interchange

An interchange is a group of messages that are sent in one transmission. This means that it is possible to have more than one message within an interchange.

Message

A message can be described as a business transaction. Therefore, where appropriate, a message is often referred to as transaction rather than message. For example, a transaction could be a new entry, a new line, a change to a line, a cancellation of line and so on.

A full list of messages can be seen in a sub-directory within all directory versions, called the message directory. Each message has its own description and structure, which may differ by directory version. The IFTSAI message is an example of this.

Segment

A segment is uniquely identified by a 3 character mnemonic tag, which is used as a reference to a common group of business information. Usually this will mean one segment contains one item of business data (i.e. field or attribute). For example Place of Origin, Port of Loading and Port of Discharge are all locations. Do the segment for location is used, called LOC. There are, however, segments that include more than one item of business data. For example Transport Mode and Voyage Number and Vessel are all classified as transport details included in the TDT segment.

Whilst a message has a standard structure of segments, there is also a separate subdirectory for segments within directory versions, known as the segment directory. Each segment has its own description and structure, which may differ by directory version.

Service Segment

A service segment is a segment that contains non-business related data. These segments usually encompass interchanges and messages, in the form of headers and trailers. For example UNB and UNZ service segments are header and trailer for an interchange and the UNG and UNT segments are header and trailer for message.

Segment Group

A segment group is a collection of segments that are related within a message structure. A simple example would be a group for details of transport. This would typically include a segment for the voyage (using TDT), reference (using RFF) and the locations (using LOC).

Composite Element

A composite element is a lower level of detail to identify business data within segment. It is normally used when a data item requires additional information. Each composite element has a unique code identifying it. A composite element could be used, for example when a data item is in the form of a code and it requires a type qualifier and also organization responsible for its maintenance. In case a group of data elements would be used to make composite element.

Whilst a segment has a standard structure of segments, there is also a separate subdirectory for composite elements within directory versions, known as the composite data element directory. Each composite element has its own description and structure, which may differ within directory version.

Data Element

A data element is the lowest level within the EDI structure for holding data. Each data element has a unique code identifying it. A data element can exist as a stand-alone element or as a sub-element within a composite element.

There is also a separate sub-directory for data elements within directory versions, known as the data element directory. Like many other sub-directories, the data element sub-directory contains descriptions and various information. In addition, some data elements also have associated code lists, which are published by organizations such as the International Standards Organization (ISO). However, the United Nations has its own code lists and, in addition, it is often possible for trading partner to use their own.

2.2 Processing Guidelines

Hamburg Süd is sending Ocean Transport schedules via IFTSAI messages to the customer. A single message may contain several transactions.

EDI communication depends on Trading Partnership and will be mutually defined within a separate agreement. Common protocols for the transmission of messages are e.g. FTP or SFTP.

2.3 Functional Description

Hamburg Süd service name / code

Our service names / codes are included in the IFTSAI message and are transmitted in the FTX+AAI segment.

Example for service “North Europe – Colombia (EMCS 2)”:

FTX+AAI+++EMCS 2'

2.4 Status Indicators and Usage Indicators

Status Indicators

Status Indicators (“M” and “C”) form part of the EDIFACT standard and indicate a minimum requirement to fulfill the needs of the message structure. They are not adequate for implementation purposes.

The Status Indicators are:

<u>Value</u>	<u>Description</u>
M	Mandatory The entity marked as such must appear in all messages, and apply to these messages as well as to any associated implementation guidelines (and consequently is also a Usage Indicator).
C	Conditional The entity is used by agreement between trading partners

Usage Indicators

Usage Indicators are implementation–related indicators that further detail the use of “Conditional” Status Indicators. Usage Indicators are applied at all levels of the guidelines and shown adjacent to data items such as segment groups, segments, composite data elements and simple data elements. They dictate the agreed usage of the data items or entities.

The Usage Indicators are:

<u>Value</u>	<u>Description</u>
M	Mandatory Indicates the item is mandatory in the UN/EDIFACT message.
R	Required Indicates the item must be transmitted in this implementation.
D	Dependent Indicates that the use of the item is depending on a well-defined condition or set of conditions. These conditions must be clearly specified in the relevant implementation guideline.
O	Optional Indicates that this item is at the need or discretion of both trading partners.
X	Not Used Indicates that this item is not used in this implementation. If present, it will be disregarded.
NA	Not Recommended (Advised) Indicates the item needn’t be transmitted in this implementation.
A	Advised Indicates the item must is recommended to be transmitted in this implementation.

Where an item within a segment group, segment or composite data element is marked with Usage Indicators “M” or “R”, but the segment group, segment or composite data element has been marked “O” or “D” (or for that matter “X”), the item is only to be transmitted when the segment group, segment or composite of which it is a part, is used.

Format

The format is used to describe the official format requirements within EDIFACT D99B directory.

Examples

a3	3 alphabetic characters, fixed length
n6	6 numeric characters, fixed length
an5	5 alphanumeric characters, fixed length
a..6	up to 6 alphabetic characters
an..35	up to 35 alphanumeric characters
n..6	up to 6 numeric characters

3 EDIFACT IFTSAI segment table of contents

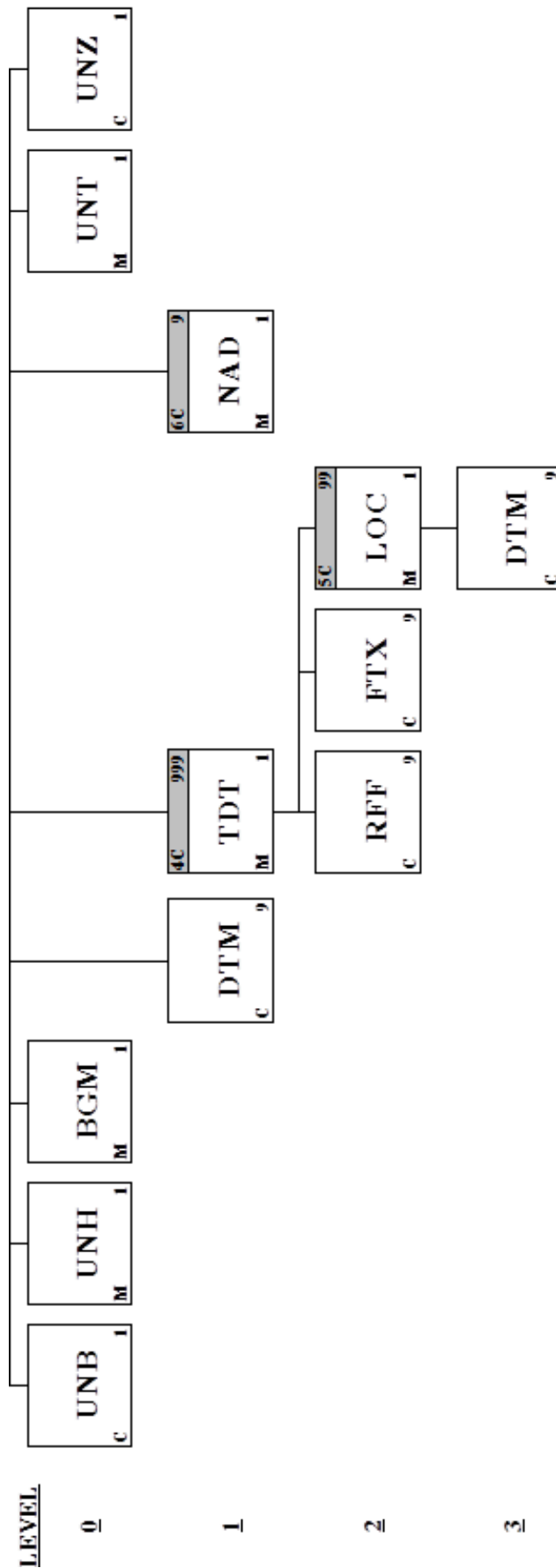
Introduction:

The function of this message is to request transport schedule or availability information and to answer to such a request.

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Group Repeat</u>	<u>Notes and Comments</u>
	0005	UNB	Interchange Header	C	1		
M	0010	UNH	Message Header	M	1		
M	0020	BGM	Beginning of Message	M	1		
	0030	DTM	Date/Time/Period	C	9		
X	0040	FTX	Free Text	C	99		
X	0050	GIS	General Indicator	C	1		
X	0060		Segment Group 1: RFF-DTM	C		9	
X	0070	RFF	Reference	M	1		
X	0080	DTM	Date/Time/Period	C	9		
X	0090		Segment Group 2: LOC-DTM	C		9	
X	0100	LOC	Place/Location Identification	M	1		
X	0110	DTM	Date/Time/Period	C	9		
X	0120		Segment Group 3: EQD-EQN-MEA-DIM-FTX-RFF-TPL	C		999	
X	0130	EQD	Equipment Details	M	1		
X	0140	EQN	Number of Units	C	9		
X	0150	MEA	Measurements	C	9		
X	0160	DIM	Dimensions	C	9		
X	0170	FTX	Free Text	C	9		
X	0180	RFF	Reference	C	9		
X	0190	TPL	Transport Placement	C	1		
	0200		Segment Group 4: TDT-DTM-TSR-RFF-FTX-EQD-QTY-MEA-SG5	C		999	
M	0210	TDT	Details of Transport	M	1		
X	0220	DTM	Date/Time/Period	C	9		
X	0230	TSR	Transport Service Requirements	C	9		
	0240	RFF	Reference	C	9		
	0250	FTX	Free Text	C	9		
X	0260	EQD	Equipment Details	C	99		
X	0270	QTY	Quantity	C	9		
X	0280	MEA	Measurements	C	9		
	0290		Segment Group 5: LOC-DTM-RFF	C		99	
M	0300	LOC	Place/Location Identification	M	1		
	0310	DTM	Date/Time/Period	C	9		
X	0320	RFF	Reference	C	9		
	0330		Segment Group 6: NAD-LOC-SG7	C		9	
M	0340	NAD	Name and Address	M	1		
X	0350	LOC	Place/Location Identification	C	9		

X	0360		Segment Group 7: CTA-COM	C	9
X	0370	CTA	Contact Information	M	1
X	0380	COM	Communication Contact	C	9
X	0390		Segment Group 8: GID-HAN-FTX-SG9-SG10-SG11-SG12	C	9
X	0400	GID	Goods Item Details	M	1
X	0410	HAN	Handling Instructions	C	9
X	0420	FTX	Free Text	C	9
X	0430		Segment Group 9: GDS-FTX	C	9
X	0440	GDS	Nature of Cargo	M	1
X	0450	FTX	Free Text	C	9
X	0460		Segment Group 10: MEA-EQN	C	9
X	0470	MEA	Measurements	M	1
X	0480	EQN	Number of Units	C	9
X	0490		Segment Group 11: DIM-EQN	C	9
X	0500	DIM	Dimensions	M	1
X	0510	EQN	Number of Units	C	9
X	0520		Segment Group 12: DGS-FTX	C	9
X	0530	DGS	Dangerous Goods	M	1
X	0540	FTX	Free Text	C	9
M	0550	UNT	Message Trailer	M	1
	0560	UNZ	Interchange Trailer	C	1

4 Branch Diagram



5 Segment Description

Segment: **UNB** Interchange Header
Position: 0005
Group:
Level: 0
Usage: Conditional (Optional)
Max Use: 1
Purpose: To start, identify and specify an interchange
Comments:
Notes:

Example Syntax:

UNB+UNOA:2+HAMSUD:ZZZ+RECEIVERID:ZZZ+180510:0426+9964'

Data Element Summary

	Data Element	Component Element	Name	Attributes
M	S001		SYNTAX IDENTIFIER Identification of the agency controlling the syntax and indication of syntax level.	M 1
M		0001	Syntax identifier Coded identification of the agency controlling a syntax and syntax level used in an interchange. Provided values:	M a4
			UNOA UN/ECE level A As defined in the basic code table of ISO 646 with the exceptions of lower case letters, alternative graphic character allocations and national or application-oriented graphic character allocations.	
M		0002	Syntax version number Version number of the syntax identified in the syntax identifier (0001). Provided values:	M n1
			2 Version 2 ISO 9735:1990.	
M	S002		INTERCHANGE SENDER Identification of the sender of the interchange.	M 1
M		0004	Sender identification Name or coded representation of the sender of a data interchange. Provided values:	M an..35
			HAMSUD Hamburg Süd	
		0007	Partner identification code qualifier Qualifier referring to the source of codes for the identifiers of interchanging partners. Provided values:	C an..4
			ZZZ Mutually defined	
X		0008	Address for reverse routing	C an..14
M	S003		INTERCHANGE RECIPIENT Identification of the recipient of the interchange.	M 1
M		0010	Recipient identification Name or coded representation of the recipient of a data interchange.	M an..35

			Receiver ID of trading partner		
		0007	Partner identification code qualifier	C	an..4
			Qualifier referring to the source of codes for the identifiers of interchanging partners.		
			Qualifier of trading partner		
			Refer to D.99B Data Element Dictionary for acceptable code values.		
X		0014	Routing address	C	an..14
M	S004		DATE AND TIME OF PREPARATION	M	1
			Date and time of preparation of the interchange.		
M		0017	Date of preparation	M	n6
			Local date when an interchange or a functional group was prepared.		
M		0019	Time of preparation	M	n4
			Local time of day when an interchange or a functional group was prepared.		
M	0020		INTERCHANGE CONTROL REFERENCE	M	1 an..14
			Unique reference assigned by the sender to an interchange.		
X	S005		RECIPIENTS REFERENCE PASSWORD	C	1
			Reference or password as agreed between the communicating partners.		
X		0022	Recipient reference/password	M	an..14
			Unique reference assigned by the recipient to the data interchange or a password to the recipient's system or to a third party network as specified in the partners interchange agreement.		
X		0025	Recipient reference/password qualifier	C	an2
			Qualifier for the recipient's reference or password.		
			Refer to D.99B Data Element Dictionary for acceptable code values.		
X	0026		APPLICATION REFERENCE	C	1 an..14
X	0029		PROCESSING PRIORITY CODE	C	1 a1
			Refer to D.99B Data Element Dictionary for acceptable code values.		
X	0031		ACKNOWLEDGEMENT REQUEST	C	1 n1
			Refer to D.99B Data Element Dictionary for acceptable code values.		
X	0032		COMMUNICATIONS AGREEMENT ID	C	1 an..35
X	0035		TEST INDICATOR	C	1 n1
			Refer to D.99B Data Element Dictionary for acceptable code values.		

Segment: UNH Message Header

Position: 0010

Group:

Level: 0

Usage: Mandatory

Max Use: 1

Purpose: A service segment starting and uniquely identifying a message. The message type code for the Forwarding and transport schedule and availability information message is IFTSAI.

Note: Forwarding and transport schedule and availability information messages conforming to this document must contain the following data in segment UNH, composite S009:

Data element 0065 IFTSAI 0052 D 0054 99B 0051 UN

Comments:

Notes: Example Syntax:

UNH+11349+IFTSAI:D:99B:UN'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	0062		MESSAGE REFERENCE NUMBER Unique message reference assigned by the sender.	M 1 an..14
M	S009		MESSAGE IDENTIFIER Identification of the type, version etc. of the message being interchanged.	M 1
M		0065	Message type identifier Code identifying a type of message and assigned by its controlling agency. Provided values:	M an..6
			IFTSAI Forwarding and transport schedule and availability information message A code to identify the forwarding and transport schedule and availability information message.	
M		0052	Message type version number Version number of a message type. Provided values:	M an..3
			D Draft version/UN/EDIFACT Directory Message approved and issued as a draft message (Valid for directories published after March 1993 and prior to March 1997). Message approved as a standard message (Valid for directories published after March 1997).	
M		0054	Message type release number Release number within the current message type version number (0052). Provided values:	M an..3
			99B Release 1999 - B Message approved and issued in the second 1999 release of the UNTDID (United Nations Trade Data Interchange Directory).	
M		0051	Controlling agency Code identifying the agency controlling the specification, maintenance and publication of the message type.	M an..2

Provided values:

	UN	UN/CEFACT		
		United Nations Centre for the Facilitation of procedures and practices for Administration, Commerce and Transport (UN/CEFACT).		
X		0057 Association assigned code	C	an..6
X	0068	COMMON ACCESS REFERENCE	C	1 an..35
X	S010	STATUS OF THE TRANSFER	C	1
		Statement that the message is one in a sequence of transfers relating to the same topic.		
X		0070 Sequence message transfer number	M	n..2
		Number assigned by the sender indicating that the message is an addition or change of a previously sent message relating to the same topic.		
X		0073 First/last sequence message transfer indication	C	a1
		Indication used for the first and last message in a sequence of the same type of message relating to the same topic. Refer to D.99B Data Element Dictionary for acceptable code values.		

Segment: **BGM** Beginning of Message
Position: 0020
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A segment to indicate the type and function of the message and to transmit the identifying number.

Comments:

Notes: Example Syntax:

BGM+TS2+562+18'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
C002		DOCUMENT/MESSAGE NAME	C 1
		Identification of a type of document/message by code or name. Code preferred.	
	1001	Document name code	C an..3
		Code specifying the document name.	
		Provided values:	
		TS2 Ocean Schedules	
X	1131	Code list identification code	C an..3
		Refer to D.99B Data Element Dictionary for acceptable code values.	
X	3055	Code list responsible agency code	C an..3
		Refer to D.99B Data Element Dictionary for acceptable code values.	
X	1000	Document name	C an..35
		DOCUMENT/MESSAGE IDENTIFICATION	C 1
		Identification of a document/message by its number and eventually its version or revision.	
	1004	Document/message number	C an..35
		Reference number assigned to the document/message by the issuer.	
X	1056	Version	C an..9
X	1060	Revision number	C an..6
	1225	MESSAGE FUNCTION CODE	C 1 an..3
		Code indicating the function of the message.	
		Provided values:	
		5 Replace	
		Message replacing a previous message.	
		18 Reissue	
		New issue of a previous message (maybe cancelled).	
X	4343	RESPONSE TYPE CODE	C 1 an..3
		Refer to D.99B Data Element Dictionary for acceptable code values.	

Segment: **DTM** Date/Time/Period
Position: 0030
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 9
Purpose: A segment to indicate date(s) and time(s) applying to the whole message.
Comments:
Notes:

Example Syntax:
 DTM+137:201805100426:203'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C507		DATE/TIME/PERIOD Date and/or time, or period relevant to the specified date/time/period type.	M 1
M		2005	Date/time/period function code qualifier Code giving specific meaning to a date, time or period. Provided values:	M an..3
		137	Document/message date/time (2006) Date/time when a document/message is issued. This may include authentication.	
		2380	Date/time/period value The value of a date, a date and time, a time or of a period in a specified representation.	C an..35
		2379	Date/time/period format code Code specifying the representation of a date, time or period. Provided values:	C an..3
		203	CCYYMMDDHHMM Calendar date including time with minutes: C=Century; Y=Year; M=Month; D=Day; H=Hour; M=Minutes.	

Group: **TDT** Segment Group 4: Details of Transport
Position: 0200
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 999
Purpose: A group of segments to specify the schedule or availability selection criteria and to detail the schedule or availability information being provided.

Segment Summary

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Group: Repeat</u>
M	0210	TDT	Details of Transport	M	1	
	0240	RFF	Reference	C	9	
	0250	FTX	Free Text	C	9	
	0290		Segment Group 5: Place/Location Identification	C		99

Segment: **TDT Details of Transport**
Position: 0210 (Trigger Segment)
Group: Segment Group 4 (Details of Transport) Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to indicate information related to the mode and means of transport, eg. specific conveyance/carrier.

Comments:**Notes:** Example Syntax:

```
TDT+20+MLIVO829W-LBBEY+1+++ANRM:172+++9461427:146:11:MSC
LIVORNO:DE'
```

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	8051		TRANSPORT STAGE CODE QUALIFIER Code qualifying a specific stage of transport. Provided values: 20 Main-carriage transport The primary stage in the movement of cargo from the point of origin to the intended destination.	M 1 an..3
	8028		CONVEYANCE REFERENCE NUMBER Unique reference given by the carrier to a certain journey or departure of a means of transport (generic term).	C 1 an..17
	C220		MODE OF TRANSPORT Method of transport code or name. Code preferred. Provided values:	C 1
		8067	Transport mode name code Code specifying the name of a mode of transport. 1 Maritime Transport	C an..3
X		8066	Transport mode name	C an..17
X	C228		TRANSPORT MEANS Code and/or name identifying the type of means of transport.	C 1
X		8179	Transport means description code Code specifying the means of transport. Refer to D.99B Data Element Dictionary for acceptable code values.	C an..8
X		8178	Transport means description Free form description of the means of transport.	C an..17
	C040		CARRIER Identification of a carrier by code and/or by name. Code preferred.	C 1
		3127	Carrier identification Identification of party undertaking or arranging transport of goods between named points. Provided values: ANRM Alianca CCNR CCNI HSDG Hamburg Süd	C an..17
		1131	Code list identification code Identification of a code list.	C an..3

		Provided values:	
		172	Carriers Code list identifying carriers.
X		3055	Code list responsible agency code C an..3 Refer to D.99B Data Element Dictionary for acceptable code values.
X		3128	Carrier name C an..35
X	8101		TRANSIT DIRECTION INDICATOR CODE C 1 an..3 Refer to D.99B Data Element Dictionary for acceptable code values.
X	C401		EXCESS TRANSPORTATION INFORMATION C 1 To provide details of reason for, and responsibility for, use of transportation other than normally utilized.
X		8457	Excess transportation reason, coded M an..3 Indication of reason for excess transportation. Refer to D.99B Data Element Dictionary for acceptable code values.
X		8459	Excess transportation responsibility, coded M an..3 Indication of responsibility for excess transportation. Refer to D.99B Data Element Dictionary for acceptable code values.
X		7130	Customer authorization number C an..17 Customer provided authorization number to allow supplier to ship goods under specific freight conditions. This number will be transmitted back to customer in the dispatch advice message.
	C222		TRANSPORT IDENTIFICATION C 1 Code and/or name identifying the means of transport.
		8213	Transport means identification name identifier C an..9 Identifies the name of the transport means. Lloyds's code
		1131	Code list identification code C an..3 Identification of a code list. Provided values:
		146	Means of transport identification Code identifying the name or number of a means of transport (vessel, vehicle).
		3055	Code list responsible agency code C an..3 Code specifying the agency responsible for a code list. Provided values:
		11	Lloyd's register of shipping A register of ocean going vessels maintained by Lloyd's of London.
		8212	Transport means identification name C an..35 Name identifying a means of transport. Vessel name
		8453	Nationality of means of transport, coded C an..3 Coded name of the country in which a means of transport is registered. ISO Country code of ship's registry.
X	8281		TRANSPORT OWNERSHIP, CODED C 1 an..3 Refer to D.99B Data Element Dictionary for acceptable code values.

Segment: **RFF Reference**
Position: 0240
Group: Segment Group 4 (Details of Transport) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 9
Purpose: A segment to provide a reference related to the transport details, such as the published line or route number.

Comments:

Notes: Example Syntax:

RFF+VON:827N'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C506		REFERENCE Identification of a reference.	M 1
M		1153	Reference function code qualifier Code giving specific meaning to a reference segment or a reference number. VON Voyage number [8228] Reference number assigned by the carrier or his agent to the voyage of the vessel.	M an..3
		1154	Reference identifier Identifies a reference. Hamburg Süd voyage number	C an..35
X		1156	Line number	C an..6
X		4000	Reference version identifier	C an..35
X		1060	Revision number	C an..6

Segment: **FTX Free Text**
Position: 0250
Group: Segment Group 4 (Details of Transport) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 9
Purpose: A segment to specify free form or processable supplementary information related to the means of transport.
Comments:
Notes: Example Syntax:
 FTX+AAI+++NERA15'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	4451		TEXT SUBJECT CODE QUALIFIER Code specifying the subject of the text. Provided values: AAI General information AAI = Hamburg Süd service code	M 1 an..3
X	4453		TEXT FUNCTION, CODED Refer to D.99B Data Element Dictionary for acceptable code values.	C 1 an..3
X	C107		TEXT REFERENCE Coded reference to a standard text and its source.	C 1
X		4441	Free text value code Code specifying free form text.	M an..17
X		1131	Code list identification code Identification of a code list. Refer to D.99B Data Element Dictionary for acceptable code values.	C an..3
X		3055	Code list responsible agency code Code specifying the agency responsible for a code list. Refer to D.99B Data Element Dictionary for acceptable code values.	C an..3
	C108		TEXT LITERAL Free text; one to five lines.	C 1
M		4440	Free text value Free form text. Hamburg Süd service code	M an..512
X		4440	Free text value	C an..512
X		4440	Free text value	C an..512
X		4440	Free text value	C an..512
X	3453		LANGUAGE NAME CODE	C 1 an..3
X	4447		TEXT FORMATTING, CODED Refer to D.99B Data Element Dictionary for acceptable code values.	C 1 an..3

Group: **LOC Segment Group 5: Place/Location Identification**
Position: 0290
Group: Segment Group 4 (Details of Transport) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 99
Purpose: A group of segments to identify the routing(s) and indicate corresponding date(s) and time(s).

Segment Summary

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Group: Repeat</u>
M	0300	LOC	Place/Location Identification	M	1	
	0310	DTM	Date/Time/Period	C	9	

Segment: **LOC Place/Location Identification**
Position: 0300 (Trigger Segment)
Group: Segment Group 5 (Place/Location Identification) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify a location, e.g. place of departure/arrival.
Comments:
Notes: Example Syntax:

LOC+7+BRITJ:139:6:ITAJAI BR'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	3227		LOCATION FUNCTION CODE QUALIFIER Code identifying the function of a location. Provided values:	M 1 an..3
		7	Place of delivery (3246) Place to which the goods are to be finally delivered under transport contract terms (operational term).	
		9	Place/port of loading (3334 + 3230) Seaport, airport, freight terminal, rail station or other place at which the goods (cargo) are loaded on to the means of transport being used for their carriage.	
		11	Place/port of discharge (3392 + 3414) Seaport, airport, freight terminal, rail station or other place at which the goods (cargo) are unloaded from the means of transport having been used for their carriage.	
		88	Place of receipt Identification of the location at which the cargo is actually received.	
	C517		LOCATION IDENTIFICATION Identification of a location by code or name.	C 1
		3225	Location name code Code specifying the name of the location. UN location code	C an..25
		1131	Code list identification code Identification of a code list.	C an..3
		139	Port A location having facilities for means of transport to load or discharge cargo.	
		3055	Code list responsible agency code Code specifying the agency responsible for a code list.	C an..3
		6	UN/ECE (United Nations - Economic Commission for Europe)	
		3224	Location name Name of the location.	C an..256
X	C519		RELATED LOCATION ONE IDENTIFICATION	C 1

X		3223	<p>Identification the first related location by code or name.</p> <p>Related place/location one identification</p>	C	an..25
X		1131	<p>Specification of the first related place/location by code.</p> <p>Code list identification code</p> <p>Identification of a code list.</p>	C	an..3
X		3055	<p>Refer to D.99B Data Element Dictionary for acceptable code values.</p> <p>Code list responsible agency code</p> <p>Code specifying the agency responsible for a code list.</p>	C	an..3
X		3222	<p>Refer to D.99B Data Element Dictionary for acceptable code values.</p> <p>Related place/location one</p> <p>Specification of the first related place/location by name.</p>	C	an..70
X	C553		<p>RELATED LOCATION TWO IDENTIFICATION</p> <p>Identification of second related location by code or name.</p>	C	1
X		3233	<p>Related place/location two identification</p> <p>Specification of a second related place/location by code.</p>	C	an..25
X		1131	<p>Code list identification code</p> <p>Identification of a code list.</p>	C	an..3
X		3055	<p>Refer to D.99B Data Element Dictionary for acceptable code values.</p> <p>Code list responsible agency code</p> <p>Code specifying the agency responsible for a code list.</p>	C	an..3
X		3232	<p>Refer to D.99B Data Element Dictionary for acceptable code values.</p> <p>Related place/location two</p> <p>Specification of a second related place/location by name.</p>	C	an..70
X	5479		<p>RELATION, CODED</p>	C	1 an..3

Segment: **DTM** Date/Time/Period
Position: 0310
Group: Segment Group 5 (Place/Location Identification) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 9
Purpose: A segment to indicate date(s) and time(s) related to the location, e.g. date/time of scheduled departure/arrival.

Comments:

Notes:

Example Syntax:
 DTM+132:201805220000:203'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C507		DATE/TIME/PERIOD Date and/or time, or period relevant to the specified date/time/period type.	M 1
M		2005	Date/time/period function code qualifier Code giving specific meaning to a date, time or period.	M an..3
		132	Arrival date/time, estimated (2348) Date/time when carrier estimates that a means of transport should arrive at the port of discharge or place of destination.	
		133	Departure date/time, estimated Date/time when carrier estimates that a means of transport should depart at the place of departure.	
		180	Closing date/time Final date for delivering cargo to a liner ship.	
			Cut Off Date	
		2380	Date/time/period value The value of a date, a date and time, a time or of a period in a specified representation.	C an..35
		2379	Date/time/period format code Code specifying the representation of a date, time or period.	C an..3
		203	CCYYMMDDHHMM Calendar date including time with minutes: C=Century; Y=Year; M=Month; D=Day; H=Hour; M=Minutes.	

Group: **NAD Segment Group 6: Name and Address**
Position: 0330
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 9
Purpose: A group of segments to indicate all parties involved in the transaction and relevant locations, contacts and communication channels.

Segment Summary

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Group: Repeat</u>
M	0340	NAD	Name and Address	M	1	

Segment: **NAD Name and Address**
Position: 0340 (Trigger Segment)
Group: Segment Group 6 (Name and Address) Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify the party's name, address and function.
Comments:
Notes:

Example Syntax:
 NAD+CA+ANRM:160:87'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	3035		PARTY FUNCTION CODE QUALIFIER Code giving specific meaning to a party. Provided values: CA Carrier (3126) Party undertaking or arranging transport of goods between named points.	M 1 an..3
	C082		PARTY IDENTIFICATION DETAILS Identification of a transaction party by code.	C 1
M		3039	Party identifier Code specifying the identity of a party. Provided values: ANRM Alianca CCNR CCNI SUDU Hamburg Süd	M an..35
		1131	Code list identification code Identification of a code list. Provided values: 160 Party identification Identification of parties, corporates, etc.	C an..3
		3055	Code list responsible agency code Code specifying the agency responsible for a code list. Provided values: 87 Assigned by carrier Codes assigned by the carrier.	C an..3
X	C058		NAME AND ADDRESS Unstructured name and address: one to five lines.	C 1
X		3124	Name and address line Free form name and address description.	M an..35
X		3124	Name and address line Free form name and address description.	C an..35
X		3124	Name and address line Free form name and address description.	C an..35
X		3124	Name and address line Free form name and address description.	C an..35
X		3124	Name and address line Free form name and address description.	C an..35

		Free form name and address description.		
X	C080	PARTY NAME	C	1
		Identification of a transaction party by name, one to five lines. Party name may be formatted.		
X	3036	Party name	M	an..35
		Name of a party involved in a transaction.		
X	3036	Party name	C	an..35
		Name of a party involved in a transaction.		
X	3036	Party name	C	an..35
		Name of a party involved in a transaction.		
X	3036	Party name	C	an..35
		Name of a party involved in a transaction.		
X	3036	Party name	C	an..35
		Name of a party involved in a transaction.		
X	3045	Party name format code	C	an..3
		Code specifying the representation of a party name.		
		Refer to D.99B Data Element Dictionary for acceptable code values.		
X	C059	STREET	C	1
		Street address and/or PO Box number in a structured address: one to four lines.		
X	3042	Street and number/p.o. box	M	an..35
		Street and number in plain language, or Post Office Box No.		
X	3042	Street and number/p.o. box	C	an..35
		Street and number in plain language, or Post Office Box No.		
X	3042	Street and number/p.o. box	C	an..35
		Street and number in plain language, or Post Office Box No.		
X	3042	Street and number/p.o. box	C	an..35
		Street and number in plain language, or Post Office Box No.		
X	3164	CITY NAME	C	1 an..35
X	C819	COUNTRY SUB-ENTITY DETAILS	C	1
		To specify a part of a country (eg county or part of a city).		
X	3229	Country sub-entity name code	C	an..9
		Identification of the name of sub-entities (state, province) defined by appropriate governmental agencies.		
X	1131	Code list identification code	C	an..3
		Identification of a code list.		
		Refer to D.99B Data Element Dictionary for acceptable code values.		
X	3055	Code list responsible agency code	C	an..3
		Code specifying the agency responsible for a code list.		
		Refer to D.99B Data Element Dictionary for acceptable code values.		
X	3228	Country sub-entity name	C	an..35
		Name of sub-entities (state, province) defined by appropriate governmental agencies.		
X	3251	POSTAL IDENTIFICATION CODE	C	1 an..17
X	3207	COUNTRY NAME CODE	C	1 an..3

Segment: **UNT** Message Trailer

Position: 0550

Group:

Level: 0

Usage: Mandatory

Max Use: 1

Purpose: 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.

Comments:

Notes: Example Syntax:

UNT+821329+11343'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	0074		NUMBER OF SEGMENTS IN A MESSAGE Control count of number of segments in a message.	M 1 n..6
M	0062		MESSAGE REFERENCE NUMBER Unique message reference assigned by the sender.	M 1 an..14

Segment: UNZ Interchange Trailer
Position: 0560
Group:
Level: 0
Usage: Conditional (Optional)
Max Use: 1
Purpose: To end and check the completeness of an interchange
Comments:
Notes:

Example Syntax:
UNZ+1+9963'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	0036		INTERCHANGE CONTROL COUNT Count either of the number of messages or, if used, of the number of functional groups in an interchange.	M 1 n..6
M	0020		INTERCHANGE CONTROL REFERENCE Unique reference assigned by the sender to an interchange.	M 1 an..14

6 Appendix

6.1 Example Message

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UNA:+.?'
UNB+UNOA:2+HS:ZZZ+INTTRA:ZZZ+180510:0426+9964'
UNH+11344+IFTSAI:D:99B:UN'
BGM+TS2+560+5'
DTM+137:201805100426:203'
TDT+20+MLEAN822E-NLRMTM+1++ANRM:172+++9767390:146:11:MSC LEANNE:LR'
RFF+VON:822E'
FTX+AAI+++NERA'
LOC+9+GBFXT:139:6:FELIXSTOWE GB'
DTM+132:201805240700:203'
DTM+133:201805261900:203'
DTM+180:201805240100:203'
LOC+88+IEORK:139:6:CORK IE'
DTM+132:201805300000:203'
DTM+133:201805300000:203'
DTM+180:201805300000:203'
LOC+88+GBBEL:139:6:BELFAST GB'
DTM+132:201805300000:203'
DTM+133:201805300000:203'
DTM+180:201805300000:203'
LOC+9+DEBRV:139:6:BREMERHAVEN DE'
DTM+132:201806010600:203'
DTM+133:201806030000:203'
DTM+180:201806010000:203'
LOC+7+GBLGP:139:6:LONDON GATEWAY PORT GB'
DTM+132:201806070600:203'
DTM+133:201806072000:203'
LOC+7+USNYC:139:6:NEW YORK NY US'
DTM+132:201806161900:203'
DTM+133:201806180100:203'
LOC+7+COBUN:139:6:BUENAVENTURA CO'
DTM+132:201807010000:203'
DTM+133:201807020400:203'
LOC+7+BRPNG:139:6:PARANAGUA BR'
DTM+132:201807011000:203'
DTM+133:201807021000:203'
LOC+7+PECLL:139:6:CALLAO PE'
DTM+132:201807060300:203'
DTM+133:201807070200:203'
LOC+7+HKHKG:139:6:HONG KONG HK'
DTM+132:201807080900:203'
DTM+133:201807091200:203'
LOC+7+CLVAP:139:6:VALPARAISO CL'
DTM+132:201807112300:203'
DTM+133:201807132300:203'
TDT+20+MLEAN822E-OMSLL+1++ANRM:172+++9767390:146:11:MSC LEANNE:LR'
RFF+VON:822E'
FTX+AAI+++NERA'
LOC+9+GBFXT:139:6:FELIXSTOWE GB'
DTM+132:201805240700:203'
DTM+133:201805261900:203'
DTM+180:201805240100:203'
LOC+88+IEORK:139:6:CORK IE'
DTM+132:201805300000:203'

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DTM+133:201805300000:203'
 DTM+180:201805300000:203'
 LOC+88+GBBEL:139:6:BELFAST GB'
 DTM+132:201805300000:203'
 DTM+133:201805300000:203'
 DTM+180:201805300000:203'
 LOC+9+DEBRV:139:6:BREMERHAVEN DE'
 DTM+132:201806010600:203'
 DTM+133:201806030000:203'
 DTM+180:201806010000:203'
 LOC+9+NLRTM:139:6:ROTTERDAM NL'
 DTM+132:201806041500:203'
 DTM+133:201806051900:203'
 DTM+180:201806031500:203'
 LOC+9+MAPTM:139:6:TANGER MED MA'
 DTM+132:201806091100:203'
 DTM+133:201806101100:203'
 DTM+180:201806082300:203'
 LOC+7+CNSHK:139:6:SHEKOU CN'
 DTM+132:201807051600:203'
 DTM+133:201807060800:203'
 TDT+20+MLEAN822E-SGSIN+1++ANRM:172+++9767390:146:11:MSC LEANNE:LR'
 RFF+VON:822E'
 FTX+AAI+++NERA'
 LOC+9+GBFXT:139:6:FELIXSTOWE GB'
 DTM+132:201805240700:203'
 DTM+133:201805261900:203'
 DTM+180:201805240100:203'
 LOC+88+IEORK:139:6:CORK IE'
 DTM+132:201805300000:203'
 DTM+133:201805300000:203'
 DTM+180:201805300000:203'
 LOC+88+GBBEL:139:6:BELFAST GB'
 DTM+132:201805300000:203'
 DTM+133:201805300000:203'
 DTM+180:201805300000:203'
 LOC+9+DEBRV:139:6:BREMERHAVEN DE'
 DTM+132:201806010600:203'
 DTM+133:201806030000:203'
 DTM+180:201806010000:203'
 LOC+9+NLRTM:139:6:ROTTERDAM NL'
 DTM+132:201806041500:203'
 DTM+133:201806051900:203'
 DTM+180:201806031500:203'
 LOC+9+MAPTM:139:6:TANGER MED MA'
 DTM+132:201806091100:203'
 DTM+133:201806101100:203'
 DTM+180:201806082300:203'
 LOC+9+OMSLL:139:6:SALALAH OM'
 DTM+132:201806201200:203'
 DTM+133:201806211000:203'
 DTM+180:201806200000:203'
 LOC+9+LKCMB:139:6:COLOMBO LK'
 DTM+132:201806251200:203'
 DTM+133:201806260800:203'
 DTM+180:201806250000:203'
 LOC+7+MYPKG:139:6:PORT KELANG MY'
 DTM+132:201807070000:203'
 DTM+133:201807071900:203'
 LOC+7+JPTYO:139:6:TOKYO JP'

DTM+132:201807091900:203'
 DTM+133:201807100600:203'
 LOC+7+JPYOK:139:6:YOKOHAMA JP'
 DTM+132:201807100930:203'
 DTM+133:201807101830:203'
 LOC+7+JPNGO:139:6:NAGOYA JP'
 DTM+132:201807110830:203'
 DTM+133:201807111800:203'
 LOC+7+CNXMN:139:6:XIAMEN CN'
 DTM+132:201807110900:203'
 DTM+133:201807120100:203'
 LOC+7+CNNSA:139:6:NANSHA CN'
 DTM+132:201807111800:203'
 DTM+133:201807121700:203'
 LOC+7+TWKHH:139:6:KAOHSIUNG TW'
 DTM+132:201807112200:203'
 DTM+133:201807120600:203'
 LOC+7+AUFRE:139:6:FREMANTLE AU'
 DTM+132:201807112300:203'
 DTM+133:201807121800:203'
 LOC+7+THLCH:139:6:LAEM CHABANG TH'
 DTM+132:201807120800:203'
 DTM+133:201807141500:203'
 LOC+7+KRPUS:139:6:BUSAN KR'
 DTM+132:201807122030:203'
 DTM+133:201807132030:203'
 LOC+7+AUSYD:139:6:SYDNEY AU'
 DTM+132:201807170600:203'
 DTM+133:201807181400:203'
 LOC+7+AUADL:139:6:ADELAIDE AU'
 DTM+132:201807170600:203'
 DTM+133:201807180600:203'
 LOC+7+AUMEL:139:6:MELBOURNE AU'
 DTM+132:201807200700:203'
 DTM+133:201807211200:203'
 LOC+7+ZADUR:139:6:DURBAN ZA'
 DTM+132:201807220600:203'
 DTM+133:201807250200:203'
 LOC+7+NZNSN:139:6:NELSON NZ'
 DTM+132:201807221200:203'
 DTM+133:201807230000:203'
 LOC+7+ZACPT:139:6:CAPE TOWN ZA'
 DTM+132:201807230500:203'
 DTM+133:201807240500:203'
 LOC+7+ITGIT:139:6:GIOIA TAURO IT'
 DTM+132:201807230700:203'
 DTM+133:201807241200:203'
 LOC+7+NZWLG:139:6:WELLINGTON NZ'
 DTM+132:201807231500:203'
 DTM+133:201807240300:203'
 LOC+7+NZTIU:139:6:TIMARU NZ'
 DTM+132:201807250000:203'
 DTM+133:201807260600:203'
 LOC+7+ITSPE:139:6:LA SPEZIA IT'
 DTM+132:201807251900:203'
 DTM+133:201807261800:203'
 LOC+7+AUBNE:139:6:BRISBANE AU'
 DTM+132:201807260700:203'
 DTM+133:201807271200:203'
 LOC+7+NZNPE:139:6:NAPIER NZ'

DTM+132:201807270800:203'
DTM+133:201807272000:203'
LOC+7+NZTRG:139:6:TAURANGA NZ'
DTM+132:201807282200:203'
DTM+133:201807290700:203'
LOC+7+NZAKL:139:6:AUCKLAND NZ'
DTM+132:201807291900:203'
DTM+133:201807300400:203'
LOC+7+CGPNR:139:6:POINTE NOIRE CG'
DTM+132:201807310600:203'
DTM+133:201808011400:203'
LOC+7+MXESE:139:6:ENSENADA MX'
DTM+132:201808022300:203'
DTM+133:201808031600:203'
LOC+7+AOLAD:139:6:LUANDA AO'
DTM+132:201808060600:203'
DTM+133:201808071100:203'
LOC+7+BRIBB:139:6:IMBITUBA SC BR'
DTM+132:201808091800:203'
DTM+133:201808101800:203'
LOC+7+JMKIN:139:6:KINGSTON JM'
DTM+132:201808160700:203'
DTM+133:201808180100:203'
LOC+7+DOCAU:139:6:CAUCEDO DO'
DTM+132:201808201000:203'
DTM+133:201808211700:203'
LOC+7+BRPEC:139:6:PECEM CE BR'
DTM+132:201808221430:203'
DTM+133:201808231430:203'
UNT+202+11344'
UNZ+1+9964'