



User Manual
(Implementation Guide)

UN/EDIFACT MESSAGE

DRAFT

IFTSAI
(Vessel Schedule Report)

Version 2.0

D00B

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0. INTRODUCTION

This User Manual has been developed by the SMDG User Group for Shipping Lines and Container Terminals, a “Global User Group” under the auspices of UN/CEFACT.

This User Manual is based upon the UN/EDIFACT D.00B directory and the ITIGG document “Principles and Rules for the implementation of transport EDI messages – Transport Equipment Movements – Maritime-related container messages”, version 1.3.1, dated September 1996.

This User Manual provides guidance as to the recommended usage of codes, qualifiers, data elements, composites, segments and groups of segments in the D.00B IFTSAI message. The intention is to assist developers to ensure consistent use of the IFTSAI message throughout the worldwide trade and transport community.

1. GENERAL

Formal Definition

The **IFTSAI vessel schedule message** is recommended by **SMDG** as the message for use by ship owners, tonnage/operation centres, terminal operators, shipping lines etc. to exchange of vessel actual arrival/departure and vessel schedules with trading partners.

“A message from/to a liner agent to/from a local authority (e.g. port authority), Container terminals, Schedule Portal or consortia member lines, to inform the parties of the long term schedule, mid term schedule, short term schedule or schedule updates, giving information on the actual vessel schedule information and container or cargo operations.”

Shipping lines use the message for broadcasting regular schedule information to customers, port community centres, container terminals and amongst partner lines of shipping consortia.

The IFTSAI message is used to transmit a confirmation that a vessel has arrived or departed from a terminal, and can be used to confirm departure to a carrier, another terminal, or another interested party (such as a tracking service).

In this guideline the cargo reporting functions of the message are not used.

The information required reporting arrival and departure is identical, with the different functions being indicated by a different code in DE 1001 of the BGM segment.

The ocean main carriage vessel/voyage is identified in segment group 4 Transport Schedule Details. The TDT segment includes voyage number, vessel operator, Lloyd’s number and vessel name.

In segment 5 Schedule locations, the LOC segment identifies the port by the UN-Locode. The DTM segment identifies date and time of the vessel arrival or departure. Multiple combinations of vessel/arrival/departure are included in the same message by repeating the above segments.

This message is part of a total set of container-related messages. These messages serve to facilitate the intermodal handling of containers by streamlining the information exchange. The business scenario for the container messages is clarified in a separate document, called: ‘Guide to the scenario of EDIFACT container messages’.



2. STATUS INDICATORS AND USAGE INDICATORS

Status Indicators

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

<i>Value</i>	<i>Description</i>
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:

<i>Value</i>	<i>Description</i>
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 to be used 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.



3. DOCUMENT MAINTENANCE

The data content of this document has been prepared and approved by SMDG and no alteration may be made to the content of this document without reference to and approval of SMDG.

Any remarks, questions, amendments or requested alterations to this document are to be addressed to :

SMDG Secretariat
Seattleweg 7
3195 ND Rotterdam – Pernis
The Netherlands

Phone: +31- (0)10 - 2941100
Fax: +31- (0)10 - 2941105
E-mail: secretariat@smdg.org
WWW www.smdg.org

Wolf-Dietrich Retzko
Hapag-Lloyd Container Line
2710 Consulting e-business
Ballindamm 25
20095 HAMBURG
GERMANY

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Phone: +49 40 – 3001-2967
Facsimile: +49 40 – 300172967
E-mail: wolf-dietrich.retzko@hlcl.com
Web : www.hlcl.com



IFTSAI Forwarding and Transport Schedule and Availability Information Message

Introduction:

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

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Group Repeat</u>
11	0010	UNH	Message Header	M	1	
12	0020	BGM	Beginning of Message	M	1	
14	0030	DTM	Date/Time/Period	C	9	
15	0040	FTX	Free Text	C	99	
	0200		Segment Group 4: TDT-RFF-FTX-SG5	C		999
16	0210	TDT	Details of Transport	M	1	
18	0285	RFF	Reference	C	9	
19	0287	FTX	Free Text	C	9	
	0290		Segment Group 5: LOC-DTM-RFF-FTX	C		999
20	0300	LOC	Place/Location Identification	M	1	
22	0310	DTM	Date/Time/Period	C	9	
24	0320	RFF	Reference	C	9	
25	0325	FTX	Free Text	C	9	
	0330		Segment Group 6: NAD-LOC-SG7	C		9
27	0340	NAD	Name and Address	M	1	
29	0350	LOC	Place/Location Identification	C	9	
	0360		Segment Group 7: CTA-COM	C		9
30	0370	CTA	Contact Information	M	1	
31	0380	COM	Communication Contact	C	9	
32	0550	UNT	Message Trailer	M	1	



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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 00B 0051 UN
Notes: *Syntax:*
UNH+0002+IFTSAI:D:00B:UN:SMDG2.0'

Data Element Summary

<u>Attribute</u>	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	0062		MESSAGE REFERENCE NUMBER <i>A reference allocated by the sender, uniquely identifying the message. This reference must also be transmitted in the UNT segment</i>	M 1 an..14
M	S009		MESSAGE IDENTIFIER	M 1
M		0065	Message type identifier <i>IFTSAI Forwarding and transport schedule and availability information message</i>	M an..6
M		0052	Message type version number <i>D Draft version/UN/EDIFACT Directory</i>	M an..3
M		0054	Message type release number <i>00B Release 2000 - B</i>	M an..3
M		0051	Controlling agency <i>UN UN/CEFACT</i>	M an..2
M		0057	Association assigned code <i>SMDG20 SMDG user manual version 2.0 (draft)</i>	M an..6
O		0068		COMMON ACCESS REFERENCE
O	S010		STATUS OF THE TRANSFER	C 1
O		0070	Sequence message transfer number	C n..2
O		0073	First/last sequence message transfer indication	C a1



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.
Notes: *Syntax:*
BGM+404+0001+9' (for the *ORIGANL* schedule)

BGM Function Code Usage for Long Term-/ Coastal-Schedule /Actual Update

For schedule updates it is necessary to identify the reason of the update on a port-by-port basis sending only information that has been changed. Furthermore identify what has actually changed, e.g. vessel replacements and rolling schedules, a new port call, when the port is included more than once in the rotation and/ or the change of a call sequence.

1. Long Term schedule:

ORIGINAL (9), CANCELLATION (1), UPDATE (62) use ADDITION (2), DELETION (3) and CHANGE (4) if only affect some call ports. Deletion of a call port the message must include the LOC Segment group for deleted call ports. "Delete" would only apply for those affected call ports. use DELETION (3): change of key elements like voyage number, vessel ID's, only TDT segment for affected vessel to be transmitted.

2. Coastal Schedule:

UPDATE (62), ADDITION(2), DELETION (3), CHANGE (4) sending ORIGINAL (9) and use UPDATE (62) for the whole message and function codes 2, 3 and 4 for specific port change. Vessel Voy key letters remain unchanged except voyage related information.

3. Actual Schedule Update:

use CHANGE (4)

Function codes 1, 5, and 9 should not be used for multiple TDT's within one message, instead use code 8 (STATUS). A transmission of many schedules within one message

Data Element Summary

<u>User</u>	<u>Data</u>	<u>Component</u>	<u>Name</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Element</u>	<u>Element</u>		
M	C002		DOCUMENT/MESSAGE NAME	M 1
M		1001	Document name code 404 Means of transportation schedule information	M an..3
O		1131	Code list identification code	C an..17
O		3055	Code list responsible agency code	C an..3
O		1000	Document name	C an..35
O	C106		DOCUMENT/MESSAGE IDENTIFICATION	C 1
M		1004	Document identifier Sender's unique reference number, e.g. 2342 Must be a Unique identifier per Document	M an..35
O		1056	Version identifier	C an..9



O		1060	Revision identifier	C	an..6
O	1225		MESSAGE FUNCTION CODE	C	1 an..3
			1		<i>Cancellation</i> <i>CANCELLATION and UPDATE can be used (on long term schedule) if the whole schedule needs updating. Should not be used for multiple TDT's.</i>
			2		<i>Addition</i> <i>Use the ADDITION/DELETE/CHANGE options for an information that has been changed.</i>
			3		<i>Deletion</i> <i>DELETE/ADD sequence to be used for deleted calls.</i>
			4		<i>Change</i> <i>Change a port</i>
			5		<i>Replace</i> <i>by mutual agreement only</i>
			8		<i>Status</i> <i>Use STATUS option for rolling schedules (to customers)</i>
			9		<i>Original</i> <i>ORIGINAL or NEW message , to be used for regular updates</i>
			62		<i>Update schedule</i> <i>CANCELLATION and UPDATE can be used (on long term schedule) if the whole schedule needs updating.</i>
O	4343		RESPONSE TYPE CODE	C	1 an..3

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Segment: **DTM** Date/Time/Period
Position: 0030
Group:
Level: 1
Usage: Conditional (Advised)
Max Use: 9
Purpose: A segment to indicate date(s) and time(s) applying to the whole message.
Notes: :
DTM+137:199809020080:203'
DTM+137:199909020080UTC:303'
DTM+137:2000022610.30UTC:202'

Data Element Summary

<u>User</u>	<u>Data</u>	<u>Component</u>	<u>Name</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Element</u>	<u>Element</u>		
M	C507		DATE/TIME/PERIOD	M 1
Rec		2005	Date or time or period function code qualifier	C an..3
			137 Document/message date/time	
Rec		2380	Date or time or period value	C an..35
Rec		2379	Date or time or period format code	C an..3
			<i>The use of century (eg. 19xx, 20xx) has been recommended as a uniform standard for use in all messages. Where only the date is known, format code 102 should be used.</i>	
			<i>The use of 303 (CCYYMMDDHHMMZZZ) is to be preferred over 203 (CCYYMMDDHHMM) - General Recommendation JM4/23 refers. The ZZZ refers to time zone.</i>	
			<i>To cover time zones like 8 hours 30 minutes ITIGG has a temporary code of 205 (CCYYMMDDHHMMZHHMM) .</i>	
			102 CCYYMMDD	
			203 CCYYMMDDHHMM	
			205 CCYYMMDDHHMMZHHMM	
			303 CCYYMMDDHHMMZZZ	



Segment: FTX Free Text
Position: 0040
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 99
Purpose: A segment to specify free form or process able supplementary information. In computer-to-computer exchanges free form text will normally require the receiver to process this segment manually.
Notes: :
FTX+AAI++GRAND ALLIANCE'

Data Element Summary

<u>User</u>	<u>Data</u>	<u>Component</u>	<u>Name</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Element</u>	<u>Element</u>		
O	4451		TEXT SUBJECT CODE QUALIFIER <i>AAI General information</i>	C 1 an..3
X	4453		FREE TEXT FUNCTION CODE <i>A service code mutually defined by Consortia member linesI</i>	C 1 an..3
X	C107		TEXT REFERENCE	C 1
X		4441	Free text value code	C an..17
X		1131	Code list identification code	C an..17
X		3055	Code list responsible agency code	C an..3
O	C108		TEXT LITERAL	C 1
O		4440	Free text value <i>Consortia or Alliance name e.g. GRAND ALLIANCE, Global Alliance</i>	C an..512
O		4440	Free text value	C an..512
O		4440	Free text value	C an..512
O		4440	Free text value	C an..512
O	3453		LANGUAGE NAME CODE	C 1 an..3
O	4447		FREE TEXT FORMAT CODE	C 1 an..3



Segment: **TDT** Details of Transport
Position: 0210 (Trigger Segment)
Group: Segment Group 4 (Details of Transport) Conditional (Required)
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.
Notes: *Syntax:*
TDT+20+56E11+1++HLC:172:20+++8407319:146:: Vessel Name:DE'

Data Element Summary

<u>User</u>	<u>Data</u>	<u>Component</u>	<u>Name</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Element</u>	<u>Element</u>		
M	8051		TRANSPORT STAGE CODE QUALIFIER	M 1 an..3
			10 Pre-carriage transport	
			20 Main-carriage transport	
			30 On-carriage transport	
M	8028		MEANS OF TRANSPORT JOURNEY IDENTIFIER	M 1 an..17
			<i>Voyage number (e.g. loading voyage number, main carriage or Carrier's internal voyage number (main carriage)).</i>	
			<i>In case voyage number unknown abbreviation "TBN" should be used</i>	
O	C220		MODE OF TRANSPORT	C 1
R		8067	Transport mode name code	X an..3
			1 Maritime Transport	
X		8066	Transport mode name	C an..17
O	C228		TRANSPORT MEANS	C 1
O		8179	Transport means description code	C an..8
			3 Dry bulk carrier	
			8 Container ship	
			11 Ship	
			13 Ocean vessel	
			31 Truck	
			50 Passenger vessel	
			52 General cargo vessel	
			54 Liquefied Petroleum Gas (LPG) carrier	
			55 Liquefied Natural Gas (LNG) carrier	
			56 Grain carrier	
			59 Steel products vessel	
			63 Ore carrier	
			64 Car carrier	
			66 Roll on - roll off vessel	
			67 Ferry	
			72 Train with one wagon	
O		8178	Transport means description	C an..17
O	C040		CARRIER	C 1
O		3127	Carrier identifier	C an..17
			<i>Vessel operator's name coded, preferably accdg to SMDG carrier code list</i>	
O		1131	Code list identification code	C an..17
			172 Carriers	
O		3055	Code list responsible agency code	C an..3
			SMDG carrier code list preferred (code 306)	
			20 BIC (Bureau International des Containeurs)	
			87 Assigned by carrier	
			182 US, Standard Carrier Alpha Code (Motor)	
			184 AU, ACOS (Australian Chamber of Shipping)	
			306 SMDG	



O		3128	Carrier name <i>Free Text , e.g. Hapag-Lloyd Container Line</i>	C	an..35
X	8101		TRANSIT DIRECTION INDICATOR CODE	C	1 an..3
X	C401		EXCESS TRANSPORTATION INFORMATION	C	1
X		8457	Excess transportation reason code	X	an..3
X		8459	Excess transportation responsibility code	X	an..3
X		7130	Customer shipment authorisation identifier	C	an..17
Rec	C222		TRANSPORT IDENTIFICATION	C	1
O		8213	Transport means identification name identifier <i>1. Lloyd's number / IMO number (recommended) 2. Mutually agreed vessel code 3. Leave blank in case vessel not known</i>	C	an..9
<i>Japan only : Small vessels may use MLIT (Ministry of Land,Infrastructure and Transport) vessel identification number (for vessels without Lloyd's/IMO number).</i>					
O		1131	Code list identification code <i>103 Call sign directory 146 Means of transport identification recommended = Lloyd's code ZZZ Mutually defined</i>	C	an..17
O		3055	Code list responsible agency code <i>11 Lloyd's register of shipping 258 JP, Japanese Ministry of Transport ZZZ Mutually defined</i>	C	an..3
O		8212	Transport means identification name <i>Vessel name (or other means of transport by name or number) e.g. vessel CTS HAMBURG EXPRESS in case vessel name not known , abbreviation TBN should be used instead</i>	C	an..35
O		8453	Transport means nationality code <i>ISO country code, e.g. GB for United Kingdom, DE for Germany</i>	C	an..3
X	8281		TRANSPORT MEANS OWNERSHIP INDICATOR CODE	C	1 an..3



Segment: **RFF** Reference
Position: 0285
Group: Segment Group 4 (Details of Transport) Conditional (Required)
Level: 2
Usage: Conditional (Optional)
Max Use: 9
Purpose: To specify a reference.
Notes: :
RFF+VM:CALL LETTER' or RFF+VM:XXXXX'
RFF+VON:55W17'

Data Element Summary

<u>User</u>	<u>Data</u>	<u>Component</u>	<u>Name</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Element</u>	<u>Element</u>		
O	C506		REFERENCE	C 1
O		1153	Reference code qualifier	C an..3
			ANK <i>Reference number assigned by third party</i>	
			CN <i>Carrier's reference number</i>	
			<i>Carrier's internal voyage number</i>	
			CRN <i>Conveyance reference number</i>	
			VM <i>Vessel identification</i>	
			<i>Code is used for the international Call Letters</i>	
			<i>In case vessel and call letters are not known XXXXX</i>	
			<i>to be indicated instead</i>	
			VON <i>Voyage number</i>	
			<i>to specify the carrier's import voyage number</i>	
			ZZZ <i>Mutually defined reference number</i>	
O		1154	Reference identifier	C an..70
O		1156	Document line identifier	C an..6
O		4000	Reference version identifier	C an..35
X		1060	Revision identifier	C an..6



Segment: **FTX** Free Text
Position: 0287
Group: Segment Group 4 (Details of Transport) Conditional (Required)
Level: 2
Usage: Conditional (Optional)
Max Use: 9
Purpose: To provide free form or coded text information.
Notes: *The FTX segment under TDT is being used to report general information not covered by the TDT segment, e.g. master name, Service Loop etc.*
Usage of change qualifier CHG to report changes, e.g. change of master's name, consortia voyage number, change vessel name, call letter change etc. provide the old value
550 Old value : master's name
Syntax
FTX+CHG++550+ZZZ:306+Carl Fisherman'

Data Element Summary

<u>User</u>	<u>Data</u>	<u>Component</u>	<u>Name</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Element</u>	<u>Element</u>		
O	4451		TEXT SUBJECT CODE QUALIFIER <i>the change under this segment group is only for none call port related changes.</i> AAI <i>General information</i> <i>e.g. Description of Service Name or Loop</i> ACB <i>Additional information</i> <i>e.g. present Master's name, Cpt. Peter Sunshine</i> CHG <i>Change information</i> <i>for non call port related changes</i>	C 1 an..3
X	4453		FREE TEXT FUNCTION CODE	C 1 an..3
O	C107		TEXT REFERENCE	C 1
O		4441	Free text value code <i>For Free Text without defined Reason Codes just provide free text reason but leave the code blank.</i> <i>550 Master name- old value</i> <i>551 Voyage number- old value</i> <i>552 Call letter - old value</i> <i>553 Vessel name - old value</i> <i>554 Lloyd's number - old value</i>	C an..17
O		1131	Code list identification code ZZZ <i>Mutually defined</i>	C an..17
O		3055	Code list responsible agency code 306 <i>SMDG</i>	C an..3
O	C108		TEXT LITERAL <i>Indicate free text for operational reasons</i>	C 1
O		4440	Free text value <i>Free text -</i>	C an..512
O		4440	Free text value	C an..512
O		4440	Free text value	C an..512
O		4440	Free text value	C an..512
O		4440	Free text value	C an..512
X	3453		LANGUAGE NAME CODE	C 1 an..3
X	4447		FREE TEXT FORMAT CODE	C 1 an..3



Segment: **LOC** Place/Location Identification
Position: 0300 (Trigger Segment)
Group: Segment Group 5 (Place/Location Identification) Conditional (Required)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify a location, e.g. port of departure/arrival ,
 place of acceptance and delivery
Notes: *Syntax:*
LOC+9+DEHAM:139:6:HAMBURG+HHLA-CTA1:72:6++1'
LOC+10+DEMUN:::6:MUNICH+++1'
LOC+11+SGSIN:::6:SINGAPORE+PSA-T22++2'
LOC+7+IDJKT++6:JAKARTA+++2'
LOC+153+DEHAM:139:6:HAMBURG'

Data Element Summary

<u>User</u>	<u>Data</u>	<u>Component</u>	<u>Name</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Element</u>	<u>Element</u>		
M	3227		LOCATION FUNCTION CODE QUALIFIER <i>SMDG agreement :</i> <i>qualifier 153 Port of Call to be used to indicate that a vessel is performing discharge and loading operations . In case a vessel is only unloading and/or loading the respective qualifiers to be used. For turn ports the unloading and loading qualifiers to be used. DMR for a new code has been accepted March 2004).</i> 7 Place of delivery 9 Place/port of loading 10 Place of acceptance 11 Place/port of discharge 13 Place of transshipment 65 Final port or place of discharge 88 Place of receipt 103 Place of transfer 153 Port of call <i>SMDG agreement :</i> <i>qualifier to be used to indicate that a vessel is performing discharge and loading operations</i> 172 Reporting location 225 Place of refuelling Bunkerport	M 1 an..3
O	C517		LOCATION IDENTIFICATION	C 1
R		3225	Location name code <i>United Nation Location Code - strongly recommended</i>	C an..25
R		1131	Code list identification code 139 Port	C an..17
R		3055	Code list responsible agency code 6 UN/ECE (United Nations - Economic Commission for Europe) ZZZ Mutually defined	C an..3
O		3224	Location name <i>Required in view to identify acceptance locations/places</i>	C an..256
O	C519		RELATED LOCATION ONE IDENTIFICATION	C 1
O		3223	First related location name code <i>example : HHLA-CTA 1</i> <i>(Hamburger Hafen u.Lagerhaus - CTA Terminal Nos. 1)</i>	C an..25
O		1131	Code list identification code	C an..17



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Container terminal

Codes for container terminal.

Note: All below code values will be removed effective with directory D.04A.

		261	Consignee's premises		
		262	Consignor's premises		
		264	Storage facility		
		265	Repair facility		
		267	Marine wharf		
		269	Warehouse		
O		3055	Code list responsible agency code	C	an..3
		6	UN/ECE (United Nations - Economic Commission for Europe)		
		ZZZ	Mutually defined		
O		3222	First related location name	C	an..70
			<i>The name of the related location ,e.g. Ballinkai</i>		
O	C553		RELATED LOCATION TWO IDENTIFICATION	C	1
			<i>FCL/LCL packing facility</i>		
O		3233	Second related location name code	C	an..25
O		1131	Code list identification code	C	an..17
		263	Packing and/or unpacking facility		
		266	Marine berth		
		269	Warehouse		
O		3055	Code list responsible agency code	C	an..3
		5	ISO (International Organization for Standardization)		
		6	UN/ECE (United Nations - Economic Commission for Europe)		
		ZZZ	Mutually defined		
O		3232	Second related location name	C	an..70
R	5479		RELATION CODE	C	1 an..3
			<i>Port call reference number (unique port call identifier) should be used by vessel voyage.</i>		
			<i>Send Call Port Reference Number for all Call Ports during sending of the Original message. For any change/delete/update/add on the schedule, should include this unique reference number.</i>		
			<i>Use this element to link a location to other locations (eg. link a " Place of Acceptance" to a " Port of Loading ").</i>		
			<i>This element should contain a number (1,2,3, etc.) which corresponds to the same element in other LOC segments for related ports.</i>		



Segment: **DTM** Date/Time/Period
Position: 0310
Group: Segment Group 5 (Place/Location Identification) Conditional (Required)
Level: 3
Usage: Conditional (Required)
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.
Notes: *in this segment are operational rather than contractual*

Syntax:
DTM+186:199902011700:203'
DTM+186:199809020080-02:303' (country which is UTC Time - 02 hrs)

Data Element Summary

<u>User</u>	<u>Data</u>	<u>Component</u>	<u>Name</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Element</u>	<u>Element</u>		
M	C507		DATE/TIME/PERIOD	M 1
M		2005	Date or time or period function code qualifier	M an..3
			<i>DMR's for New Codes have been applied, meantime use following interim codes *:</i>	
			<i>* UDC Ultimate documentation date/time for 24-hour rule regulation of CBP (U.S. Customs and Boarder Protection)</i>	
		50	Goods receipt date/time	
			Final closing time Dangerous Goods	
		132	Arrival date/time, estimated	
		133	Departure date/time, estimated	
		176	Advise completed date/time	
			Final booking date/time for dangerous/hazardous goods and LCL cargoes	
			Business need: necessity for transport service provider (carrier) to inform shippers consignors of final booking date/time of their dangerous/hazardous and LCL cargoes	
		178	Arrival date/time, actual	
		179	Booking date/time	
			Final booking date/time for FCL (Full Container Load)	
			Business need: It is required for transport service provider (carrier) to inform shippers of final booking date/time of their consignment.	
		180	Closing date/time	
			Closing date/time for FCL (full container load) ,	
			Business need: It is necessary for transport service provider (carrier) to inform shippers of the ultimate date/time at which their consignment can be delivered to the shipment acceptance facility	
		186	Departure date/time, actual	
		189	Departure date/time, scheduled	
		201	Pick-up date/time of equipment	
			Pick up date/time for FCL (full container load) cargo	
			Business need: It is required for transport service provider (carrier) to inform receivers of picking up date/time of their FCL (full container load) cargo	
		232	Arrival date/time, scheduled	



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Closure date/time/period
Closing date/time for container containing dangerous/hazardous goods, Closing date/time for LCL (less container load) and break bulk (OOG)
Business need: It is required for transport service provider (carrier) to inform shippers of the ultimate date/time at which their consignment containing dangerous/hazardous goods can be delivered to the shipment acceptance facility

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Goods collection or pick-up date/time, planned
Pick up date/time for LCL (less container load) cargo
Business need: It is required for transport service provider (carrier) to inform receivers of picking up date/time of their LCL (less container load) cargo.

O	2380	Date or time or period value	C	an..35
		<i>NOTE: Local Time zones of Port of Operation must be used.</i>		
O	2379	Date or time or period format code	C	an..3
		<i>Times and time zones are to be specified according to UN Recommendation Nos.7.</i>		
		<i>Use of 303 (CCYYMMDDHHMMZZZ) is to be preferred over 203 (CCYYMMDDHHMM)</i>		
		<i>1999904200630-02 stands for 6:30 hrs on April 20th 1999 in a country which is UTC - minus 2 hours</i>		
		<i>Use of the new ITIGG temporary code (T62) CCYYMMDDHHMMZHHMM is recommended for non-full hour time zones.</i>		
		102	CCYYMMDD	
		203	CCYYMMDDHHMM	
		205	CCYYMMDDHHMMZHHMM	
		303	CCYYMMDDHHMMZZZ	



Segment: **RFF** Reference
Position: 0320
Group: Segment Group 5 (Place/Location Identification) Conditional (Required)
Level: 3
Usage: Conditional (Optional)
Max Use: 9
Purpose: A segment to provide a reference related to the location, such as the platform number at the place of departure.

Notes: *RFF+ATZ:12345' (ship's stay reference number)*

Data Element Summary

<u>User</u>	<u>Data</u>	<u>Component</u>	<u>Name</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Element</u>	<u>Element</u>		
M	C506		REFERENCE	M 1
M		1153	Reference code qualifier	M an..3
			ANK <i>Reference number assigned by third party</i>	
			ASO <i>Password</i>	
			ATZ <i>Ship's stay reference number</i>	
			<i>Reference number assigned by a port authority to the stay of a vessel in the port.</i>	
			AWG <i>Internal data process number</i>	
			MA <i>Ship notice/manifest number</i>	
			<i>a number provided by a port community system)</i>	
			ZZZ <i>Mutually defined reference number</i>	
O		1154	Reference identifier	C an..70
O		1156	Document line identifier	C an..6
O		4000	Reference version identifier	C an..35
O		1060	Revision identifier	C an..6



Segment: FTX Free Text
Position: 0325
Group: Segment Group 5 (Place/Location Identification) Conditional (Required)
Level: 3
Usage: Conditional (Optional)
Max Use: 9
Purpose: To provide free form or coded text information.
Notes: *The FTX segment under LOC is being used to report reasons for schedule changes.*
Syntax:

FTX+ACD++100+306' port omission
FTX+ACD++101+306' due to bad weather

Data Element Summary

User	Data	Component			Attributes
<u>Attribute</u>	<u>Element</u>	<u>Element</u>	<u>Name</u>		
O	4451		TEXT SUBJECT CODE QUALIFIER		C 1 an..3
			AAI	General information	
			ACD	Reason	
				<i>to report specific Call Port schedule change reason</i>	
			ZZZ	Mutually defined	
X	4453		FREE TEXT FUNCTION CODE		C 1 an..3
O	C107		TEXT REFERENCE		C 1
O		4441	Free text value code		C an..17

Reason Code in the Specification will cover down to day and hour. For delay and advance involving both 'day and hour', then could use the Free Text format.
For Free Text without defined Reason Codes just provide free text reason but leave the code blank.
Reason Code in the Specification will cover down to day and hour. For delay and advance involving both 'day and hour', then could use the Free Text format.

- 001 1 day delay
- 002 2 days delay
- 003 3 days delay
- 004 4 days delay
- 005 5 days delay
- etc
- up to 009 9 days delay
- 021 1 day advanced
- 022 2 days advanced
- 023 3 days advanced
- 024 4 days advanced
- etc up to code 29 9 days advanced
- 051 1 hr delay
- 052 2 hrs delay
- 053 3 hrs delay
- 054 4 hrs delay

- 071 1 hr advanced
- 072 2 hrs advanced



073 3 hrs delay
074 4 hrs advanced

		100	Port omission		
		101	Port omission due to bad weather		
		102	Port omission due to labour strike		
		103	port omission due to labour shortage		
		104	Port omission due to war		
		105	Tidal Restriction		
		106	engine/vessel problems		
		107	port holiday		
		108	productivity/move count		
		200	Ad hoc port call		
		201	add port		
		202	lay by		
		203	dry dock		
		205	phase in		
		210	phase out		
		215	change of port rotation		
X		1131	Code list identification code	C	an..17
O		3055	Code list responsible agency code	C	an..3
		306	SMDG		
		ZZZ	Mutually defined		
O	C108		TEXT LITERAL	C	1
O		4440	Free text value	C	an..512
O		4440	Free text value	C	an..512
O		4440	Free text value	C	an..512
O		4440	Free text value	C	an..512
O		4440	Free text value	C	an..512
X		3453	LANGUAGE NAME CODE	C	1 an..3
X		4447	FREE TEXT FORMAT CODE	C	1 an..3



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.
Notes: *This segment is used to indicate the parties involved in the operation of the voyage involved.*

Syntax:
NAD+CA+HLC:160+HLC:Wolf Retzko'
NAD+GF+OOL:160:ZZZ'

Data Element Summary

<u>User</u>	<u>Data</u>	<u>Component</u>	<u>Name</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Element</u>	<u>Element</u>		
M	3035		PARTY FUNCTION CODE QUALIFIER	M 1 an..3
		CA	Carrier <i>CA - Carrier or vessel operating line .Party which operates the vessel.</i>	
		GF	Slot charter party <i>GF - Slot Charter or consortia partner line</i>	
O	C082		PARTY IDENTIFICATION DETAILS	C 1
M		3039	Party identifier <i>Carrier name coded</i>	M an..35
O		1131	Code list identification code <i>160 Party identification</i> <i>ZZZ Mutually defined</i>	C an..17
O		3055	Code list responsible agency code	C an..3
O	C058		NAME AND ADDRESS	C 1
O		3124	Name and address description <i>Contact person responsible for schedule</i>	O an..35
O		3124	Name and address description	C an..35
O		3124	Name and address description	C an..35
O		3124	Name and address description	C an..35
O	C080		PARTY NAME	C 1
O		3036	Party name	O an..35
O		3036	Party name	C an..35
O		3036	Party name	C an..35
O		3036	Party name	C an..35
O		3036	Party name	C an..35
O		3045	Party name format code	C an..3
O	C059		STREET	C 1
O		3042	Street and number or post office box identifier	O an..35
O		3042	Street and number or post office box identifier	C an..35
O		3042	Street and number or post office box identifier	C an..35
O		3042	Street and number or post office box identifier	C an..35
O	3164		CITY NAME	C 1 an..35
O	C819		COUNTRY SUB-ENTITY DETAILS	C 1
O		3229	Country sub-entity name code	C an..9
O		1131	Code list identification code	C an..17



O		3055	Code list responsible agency code	C	an..3
O		3228	Country sub-entity name	C	an..35
O	3251		POSTAL IDENTIFICATION CODE	C	1 an..17
O	3207		COUNTRY NAME CODE	C	1 an..3

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Segment: **LOC** Place/Location Identification
Position: 0350
Group: Segment Group 6 (Name and Address) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 9
Purpose: A segment to identify a place/location/sub-location and where relevant the function. The present location must be associated with the relevant party.

Notes: *Syntax:*
LOC+26:DEHAM:13:6:Hamburg'

Data Element Summary

User	Data	Component		Attributes
<u>Attribute</u>	<u>Element</u>	<u>Element</u>	<u>Name</u>	
M	3227		LOCATION FUNCTION CODE QUALIFIER 26 City	M 1 an..3
O	C517		LOCATION IDENTIFICATION	C 1
O		3225	Location name code UN Nation Location Code	C an..25
O		1131	Code list identification code 13 Employee identification	C an..17
O		3055	Code list responsible agency code ZZZ Mutually defined	C an..3
O		3224	Location name 6 UN/ECE (United Nations - Economic Commission for Europe) Name of location , e.g. in case no official UNlocode exists	C an..256
O	C519		RELATED LOCATION ONE IDENTIFICATION	C 1
O		3223	First related location name code	C an..25
O		1131	Code list identification code	C an..17
O		3055	Code list responsible agency code	C an..3
O		3222	First related location name	C an..70
O	C553		RELATED LOCATION TWO IDENTIFICATION	C 1
O		3233	Second related location name code	C an..25
O		1131	Code list identification code	C an..17
O		3055	Code list responsible agency code	C an..3
O		3232	Second related location name	C an..70
O	5479		RELATION 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.
Notes: *Syntax:*
 UNT+120+0002'

Data Element Summary

<u>User</u>	<u>Data</u>	<u>Component</u>	<u>Name</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Element</u>	<u>Element</u>		
M	0074		NUMBER OF SEGMENTS IN A MESSAGE <i>Number of segments in a message:including UNH and UNT, but excluding UNA,UNB and UNZ segments.</i>	M 1 n..6
M	0062		MESSAGE REFERENCE NUMBER <i>Message reference number: this reference must be identical to the reference in UNH 0062</i>	M 1 an..14

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IFTSAI Message sample

SEGMENT	EXPLANATION	
UNA:+.?’		
UNB+UNOA:2+HLCU+GA+040402:0941+44’		
UNH+000031+IFTSAI:D:00B:UN’		
BGM+404+000031+9’	404	<i>Means of transportation schedule information</i>
	000031	<i>Sender's unique reference number, e.g. 2342</i>
	9	<i>ORIGINAL or NEW message</i>
DTM+137:200404020927:203’		
FTX+AAI+++VESSEL ARRIVAL/DEPARTURE SCHEDULE’	AAI	<i>General information</i>
TDT+20+56E11+1+++HLC:172:20+++8407319:146:: Vessel Name:DE’		<i>Vessel details, transport qualifier ,loading voyage number, carrier ID, Lloyds number, vessel name ,country code</i>
RFF+VON:4W4’		<i>import voyage number</i>
FTX+ACB++552+ZZZ+306+DGBK’		<i>Call letters</i>
LOC+9+DEHAM:139:6:HAMBURG+HHLA-CTA1:72:6++1’		<i>load port, terminal</i>
	1	<i>port call reference number</i>
DTM+132:200403201200:203’		<i>Arrival date/time, estimated</i>
DTM+133:200403201200:203’		<i>Departure date/time, estimated</i>
LOC+10+DEMUN::6:MUNICH+++1’		<i>Place of acceptance</i>
DTM+180:200401201200:203’		<i>Closing date/time</i>
n.. ports (all related to port call #1 – DEHAM)		
LOC+11+SGSIN::6:SINGAPORE+PSA-T22++2’		<i>discharge, terminal, port reference number</i>
DTM+132:200403231200:203’		<i>Arrival date/time, estimated</i>
DTM+133:200403231200:203’		<i>Departure date/time, estimated</i>
LOC+7+IDJKT++6:JAKARTA+++2’		<i>Place of delivery</i>
DTM+132:200403261200:203’		<i>Arrival date/time, estimated</i>
n.. ports (all related to port call #2 – SGSIN)		
<i>Etc</i>		
NAD+CA+HLCU:160:87’		
UNT+27+000031’		



Appendix :

Process Flow with sample scenario cases:

1.1. Long Term Schedule Roll out

BGM Code	9	Original message
Schedule details		Whole Service Vessel Voyage Direction
LOC+153		Covers all call ports
DTM+189		Departure date/time, scheduled
DTM+232		Arrival date/time, scheduled

1.2. Long Term Schedule Cancellation

BGM Code	1	Cancel message
Schedule details		Whole Service Vessel Voyage Direction
LOC+153		Covers all call ports
DTM+189		Departure date/time, scheduled
DTM+232		Arrival date/time, scheduled

1.3. Long Term Schedule Update with Change for one of the Ports

BGM Code	5	Change a port
Schedule details		Replace for Whole Service Vessel Voyage Direction .
LOC+153		Covers all call ports
DTM+189		Departure date/time, scheduled
DTM+232		Arrival date/time, scheduled

1.4. Coastal Schedule Update for all Call Ports

BGM Code	<i>either 62 or 4</i>	Update schedule
Schedule details	<i>either</i>	Whole Service Vessel Voyage Direction (if BGM = 62)
	<i>or</i>	Particular Vessel Voyage (if BGM = 4)
LOC+153		Covers all call ports
DTM+132		Arrival date/time, estimated
DTM+133		Departure date/time, estimated

1.5. Coastal Schedule update on schedule for specific Call Ports

BGM Code	4	Change a port
Schedule details		Affected ports
LOC+153		Affected ports
DTM+132		Arrival date/time, estimated
DTM+133		Departure date/time, estimated
FTX	101	Reason Code (bad weather)

1.6. Coastal Schedule OMIT Port FRLEH and Add Port JPTKY



BGM Code	3	Delete port(s)
LOC+153	FRLEH	
DTM+132		Arrival date/time, estimated
DTM+133		Departure date/time, estimated
FTX	100	Reason Code (eg. port omission)
	101	Reason Code (eg. bad weather)
	102	Reason Code (eg. labour strike)
	103	Reason Code (eg. Labour shortage)

BGM Code	2	Add port(s)
LOC+153	JPTKY	
DTM+132		Arrival date/time, estimated
DTM+133		Departure date/time, estimated
FTX	200	Reason Code (eg. Ad hoc port call)

It is recommended that both be included into the same interchange file with function 3 first to avoid schedule conflict.

1.7. Swap Call Port

Voyage	Routing	
<i>SCX-OHK-072-W</i>	USLAX --> USOAK --> TWKHH --> HKHKG --> SGSIN - >	
<i>SCX-OHK-073-E</i>	SGSIN --> THLCB --> HKHKG	

1.7.1. Swap only two Ports on SCX-OHK-072-W but not the Turning Port (SGSIN)

BGM Code	4	Change port
TDT		SCX-OHK-072-W
LOC+153	TWKHH	
	HKHKG	
DTM+132		Arrival date/time, estimated
DTM+133		Departure date/time, estimated
FTX	215	Reason Code (eg. Change port rotation)

1.7.2. Swap SGSIN and THLCB and change turning port to THLCB

Delete SGSIN from SCX-OHK-072-W and add THLCB to SCX-OHK-072-W.

BGM Code	3	Delete port
TDT		SCX-OHK-072-W
LOC+153	SGSIN	
DTM+132		Arrival date/time, estimated
DTM+133		Departure date/time, estimated
FTX	215	Reason Code (eg. Change port rotation)

BGM Code	2	Add port
TDT		SCX-OHK-072-W
LOC+153	THLCB	
DTM+132		Arrival date/time, estimated
DTM+133		Departure date/time, estimated
FTX	215	Reason Code (eg. Change port rotation)

(DELETE and ADD should be sent in the same Interchange File but under their own UNH-UNT set. The reference number at UNH could indicate sequence for DELETE and then ADD).

Change SGSIN and THLCB on SCX-OHK-073-E with revised schedule.



BGM Code	4	Change port
TDT		SCX-OHK-073-E
LOC+153	THLCB	
	SGSIN	
DTM+132		Arrival date/time, estimated
DTM+133		Departure date/time, estimated
FTX	215	Reason Code (eg. Change port rotation)

1.8. Phase in and Phase out

Phase out ONL from CKX-ONL-048-E and phase in to EU3-ONL-048-W starting from voyage 048 at CNQIN.

Phase out	CKX-ONL-048-E	CNSHA --> CNNIN --> CNQIN -->
Phase in	EU3-ONL-048-W	CNQIN --> KRPUS --> TWKHH --> CNSKZ --> HKHKG --> MAPKG --> SZC --> NLRMT

Send CHANGE for CNQIN on CKX-ONL-048-E

BGM Code	4	Change port
TDT		CKX-ONL-048-E
LOC+11	CNQIN	Discharge port only
DTM+132		Arrival date/time, estimated
DTM+133		Departure date/time, estimated
FTX	210	Reason Code (eg. Phase out)

Send Original for EU3-ONL-048-W for the whole schedule

BGM Code	9	If not sent before
TDT		EU3-ONL-048-W
LOC+153		All ports <i>except</i> CNQIN
LOC+9	CNQIN	Load port only
DTM+189		Departure date/time, scheduled
DTM+232		Arrival date/time, scheduled
FTX	205	Reason Code (eg. Phase in)

1.9 Coastal Schedule Update due to Delay and Subsequent Change for whole vessel voyage schedule

Delete two call ports DEHAM and DEBRE from the schedule, change schedule for FRLEH and GBSOU and add call port NLRMT.

Schedule	DEHAM → DEBRE → NLRMT → FRLEH → GBSOU
----------	---------------------------------------

Send Delete for DEHAM and DEBRE

BGM Code	3	Delete
LOC+153	DEHAM	
LOC+153	DEBRE	
DTM+132		Arrival date/time, estimated
DTM+133		Departure date/time, estimated
FTX	106	Reason Code (eg. Engine/vessel problem)

Change FRLEH and GBSOU

BGM Code	4	Change
LOC+153	FRLEH	
LOC+153	GBSOU	
DTM+132		Arrival date/time, estimated
DTM+133		Departure date/time, estimated



FTX	106	Reason Code (eg. Engine/vessel problem)
-----	-----	---

Send "2 – Add" for NLRTM

BGM Code	2	Add
LOC+153		
LOC+153	CNQIN	
DTM+132		Arrival date/time, estimated
DTM+133		Departure date/time, estimated
FTX	205	Reason Code (eg. Engine/vessel problem)

1.9. Actual Schedule Update

BGM Code	4	Change
LOC+153		Specific port only
DTM+178		Arrival date/time, actual
DTM+186		Departure date/time, actual

(Reason codes are not required for regular updates)

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