



# GUIDELINES

## **IFTSAI**

Vessel schedule message

(D.00B version 1.2)

Department : PSA Antwerp EDI Support team

## **PSA Antwerp Guidelines IFTSAI**

### **Introduction**

This document is composed merely to facilitate the development of new EDI IFTSAI links with our customers and to guide and assist them through the programming and test phase. This should reduce the research and development on the customer side significantly.

As PSA Antwerp is an active participant of the world wide SMDG EDI discussion forum since its foundation, this document is partially based on the SMDG IFTSAI user manual (Version 1.2), enriched with some useful tips. It is not our intention to replace the official SMDG manual. These guidelines should be used in addition to the IFTSAI manual.

Suggestions and/or feedback are always welcome, as this document is also based on experiences, gained from past IFTSAI projects. Each time some new features are added, we provide our customers with an update.

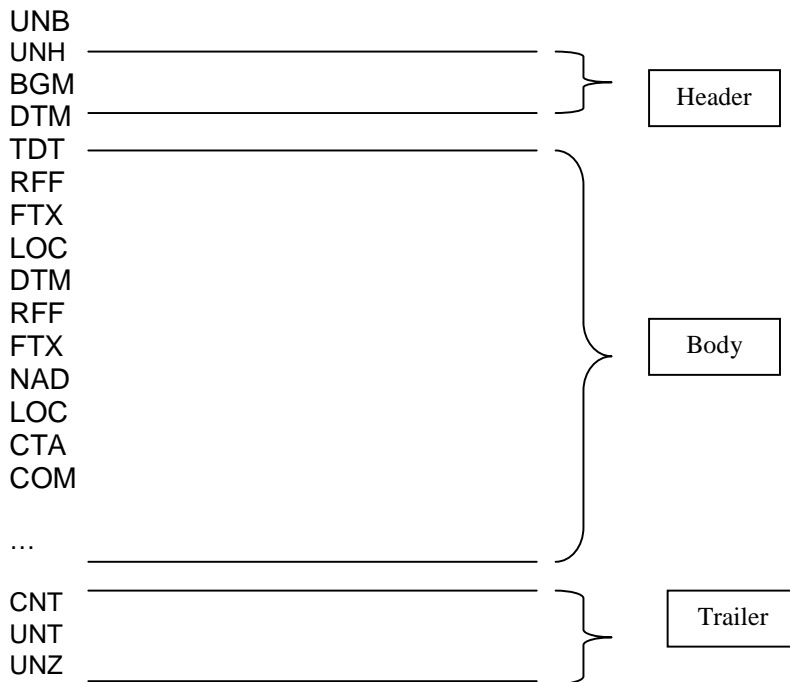
Best regards,

PSA Antwerp EDI Support team

## The vessel schedule message (IFTSAI)

The IFTSAI message is sent by the shipping agent to the container terminal operator. It contains information regarding the actual schedule of the vessel.

### SEGMENT TABLE



## 1. Interchange header – UNB –segment

### Structure:

UNB

+

0001 = Syntax identifier with as value “UNOA” (indicates the use of level ‘A’ character set.  
=> see *APPENDIX D for more information*)

:

0002 = Syntax version number with as value “2”

+

0004 = Sender identification: mailbox number of the message sender

+

0010 = Recipient identification: mailbox number of the message recipient

+

0017 = Date of preparation (YYMMDD)

:

0019 = Time of preparation (HHMM)

+

0020 = Interchange control reference with a unique number which is also specified in the UNZ segment

,

### Example:

UNB+UNOA:2+105000+101311+000508:1106+000005

## 2. Message version - UNH-Segment

For mapping reasons, also enter the Association Assigned Code (0057) in the UNH-segment.

### Structure:

UNH

+

0062 = *Message reference number* with as value a unique sequence number per message

+

0065 = *Message type identifier* with as value "IFTSAI"

:

0052 = *Message type version number* with as value "D"

:

0054 = *Message type release number* with as value "00B"

:

0051 = *Controlling agency* with as value "UN"

:

0057 = *Association assigned code* with as value the used manual version number (= "SMDG12")

'

### Example:

UNH+0002132+IFTSAI:D:00B:UN:SMDG12'

### 3. Instruction type - BGM-Segment

#### Structure:

BGM

+

1001 = *Instruction type* with as value "TS2" (= transport schedule report )

+

1004 = *Document/message number*

+

1225 = *Message function, coded* with as value "9" (= original message)

,

#### Example :

BGM+TS2+IFTSAI90062700464801+9'

#### **4. Message function - BGM-Segment**

In the BGM segment, the code value of data element 1225 (message function, coded) indicates the function of the message.

9 = ORIGINAL (CREATE): First transmission of the message.

5 = REPLACE : To replace a previously sent message.

1 = CANCELLATION : To cancel a previously sent message.

To send the original instruction, the message function in BGM (1225) is always "9".

Note that element 1004 is used a reference for future updating, meaning that an additional message with either a replace or a cancellation function will have to be referring to the element 1004 / Document/message number

## **5. Document date / time – DTM Segment**

### Structure:

DTM

+

2005 = *Date or time or period function code qualifier* with as value "137" (= document / message date / time)

:

2380 = *Date or time or period value.*

:

2379 = *Date or time or period format code* with as value "203" (= CCYYMMDDHHMM)

'

### Example:

DTM+137:200211021017:203'

## **6. Shipping line service information – Group 4 FTX Segment**

This segment is used for exchanging information regarding the shipping line service code, i.e. the covering name of the routing of ports that the vessel calls throughout its roundtrip worldwide.

### Structure:

FTX

+

4451 = *Text subject code qualifier* with as value "AAI" (= General information )

++

4441 = *Text reference (free text, coded)* with as value the coded value for the shipping line service

:

1131 = *Code list identification code* with as value "ZZZ" (= mutually agreed upon)

:

3055 = *Code list responsible agency code* as value "ZZZ" (= mutually agreed upon)

+

4440 = *Free text value* with as value the full descriptive text of the shipping line service.

,

### Example:

FTX+AAI++06:ZZZ:ZZZ+MSC EAST MED'

## 7. Vessel details – Group 4 TDT Segment

This segment specifies the transport details such as mode of transport, reference numbers,  
...

### Structure:

TDT

+

8051 = *Transport stage qualifier* with as value "20" (=main carriage)

+

8028 = *Conveyance reference number* with as value the carrier operator's main voyage number

+

8067 = *Mode of transport, coded* with as value "1" (= maritime transport)

+

8179 = *Transport means description code* with as value "8" (= container ship)

+

3127 = *Carrier identification* with as value the carrier code of the operator of the vessel

:

1131 = *Code list qualifier* with as value "172" (= carrier code)

:

3055 = *Code list responsible agency, coded* with as value "20" (=BIC)

+++

8213 = *Id of means transport* with as value the lloyd's number OR *Id of means transport* with as value the HNN vessel code.

:

1131 = *Code list qualifier* with as value "146" (Lloyd's number) OR *Code list qualifier* with as value "ZZZ" (HNN vessel code)

::

8212 = *Id of the means of transport* with as value the full name of the vessel (= optional)

,

### Example 1 (Lloyd's number):

TDT+20+142A+1+8+MSC:172:20+++L7359852:146::MSC ALICE'

### Example 2 (HNN vessel code):

TDT+20+142A+1+8+MSC:172:20+++MALIC:ZZZ::MSC ALICE'

## 8. Vessel voyage number - Group 4 RFF-Segment

This segment is used to specify the alternative voyage number when acting as a co-loader.

### Structure:

RFF

+

1153 = *Reference qualifier* with as value the code "VON" (= voyage number)

:

1154 = *Reference number* with as value the alternative voyage number.

,

### Example:

For vessel MSC MARTINA:

- The MSC carrier operator's main voyage number is "142A"
- For co-loader "ACL" (Atlantic Container Lines), the actual sender of the current IFTSAI message, the alternative voyage number for the MSC INSA is "006267".

TDT and RFF segment in IFTSAI :

TDT+20+142A+1+8+MSC:172:20+++9060637:146::MSC MARTINA'  
RFF+VON:006267'

## 9. Call Sign – Group 4 RFF-Segment

This segment is used to specify the call sign of the vessel.

### Structure:

RFF

+

1153 = *Reference qualifier* with as value the code “VM” (= call sign/vessel identification)

:

1154 = *Reference number* with as value the call sign

,

### Example:

RFF+VM:3FUV5'

## 10. Port of loading/discharge - Group 5 LOC-segment

This segment is used to specify information about the port / terminal of departure.

The Related Location One Identification (3223) can have one of the following values:

"K869" for quay 869  
"K730" for quay 730  
"K420" for quay 420  
"Z206" for Zeebrugge quay 206  
"K408" for quay 408  
"K913" for quay 913  
"K1742" for Deurganckdok quay 1742

### Structure:

LOC

+

3227 = *Place/location qualifier* with as value "9" (= operational port of loading) or value "11" (= operational port of discharge) or value "65" (= final port of discharge)

+

3225 = *Place/location identification* with as value the UN-Locode of port of departure -arrival ("BEANR" for Antwerp or "BEZEE" for Zeebrugge)

:

1131 = *Code list qualifier* with as value the code "139" (=port)

:

3055 = *Code list responsible agency, coded* with as value the code "6" (= UN)

+

3223 = *Related place/location one identification* with as value the terminal/berth of departure-arrival (for codes: see above)

:

1131 = *Code list qualifier* with as value the code "72" (= container terminal)

:

3055 = *Code list responsible agency, coded* with as value "ZZZ" (= mutually agreed)

,

### Example:

LOC+9+BEANR:139:6+K730:72:ZZZ'

Remark 1 (export voyage number is transmitted):

In case of loading (LOC+9): repeat a loop with LOC+11 (= Operational port of discharge) and LOC+65 (= Final port of discharge) for each port combination.

Example:

LOC+9+BEANR:139:6+K730:72:ZZZ' → once, to indicate export (loading) port+terminal  
DTM+132:200309090000:203'  
LOC+11+ITGIT:139:6' → Combination 1 – Operational port of discharge  
DTM+132:200310090000:203'  
LOC+65+JPTYO:139:6' → Combination 1 – Final port of discharge  
DTM+132:200310090000:203'  
LOC+11+ITGIT:139:6' → Combination 2 – Operational port of discharge  
DTM+132:200310090000:203'  
LOC+65+AUSYD:139:6' → Combination 2 – Final port of discharge  
DTM+132:200310090000:203'  
Etc...

- In case you only have one part of the ports-combination available, then please provide Operational port of discharge (LOC+11) and Final port of discharge (LOC+65) with equal values.

Remark 2 (import voyage number is transmitted):

In case of discharge import voyage number is transmitted (LOC+11): repeat a loop with LOC+9 (= Operational port of loading).

Example:

LOC+11+BEANR:139:6+K730:72:ZZZ' → once, to indicate import (discharge) port+terminal  
DTM+132:200309090000:203'  
LOC+9+USNYC:139:6' → Operational port of loading  
DTM+186:200308270000:203'  
LOC+9+USMIA:139:6' → Operational port of loading  
DTM+186:200308290000:203'  
Etc...

## **11. Arrival / departure date / time – Group 5 DTM Segment**

### Structure:

DTM

+

2005 = *Date or time or period function code qualifier* with as value “189” (= scheduled departure date / time) or “232” (= scheduled arrival date / time)

:

2380 = *Date or time or period value.*

:

2379 = *Date or time or period format code* with as value “203” (= CCYYMMDDHHMM)

,

### Example:

To specify a scheduled departure :

DTM+189:200211080000:203'

To specify a scheduled arrival :

DTM+232:200211060000:203'

### Remark:

This segment has to be repeated with every LOC-segment.

## **12. Shipping line service - Group 2 NAD-Segment**

This segment specifies the name/address and their related function. As Party Qualifier (3035), value "CF" (Container operator) has to be used.

### Structure:

NAD

+

3035 = *Party qualifier* with as value "CA" (= carrier ) or "GF" (= slot charter party)

+

3039 = *Party id identification* with as value the name of the carrier or the slot charter party

:

1131 = *Code list identification code* with as value "160"

:

3055 = *Code list responsible agency code* with as value "20"

'

### Example:

To specify a carrier :

NAD+CA+MSC:160:20'

To specify a slot charter party

NAD+GF+ACL:160:20'

### **13. Message trailer – UNT -segment**

This segment is also mandatory. It specifies the total number of segments.

#### Structure:

UNT

+

0074 = *Number of segments in the message (UNH & UNT included)*

+

0062 = *Message reference number with as value the same as in 0062 in UNH (see above)*

,

#### Example:

UNT+29+2' =>In case there are 29 segments in the message (UNH & UNT included) and the message reference in UNH is also "2"

**Full example of a IFTSAI message :**

UNB+UNOA:2+100300+101311+021102:1148+1103131'  
UNH+90062700464801+IFTSAI:D:99B:UN:SMDG10+IFTSAI90062700464801'  
BGM+TS2+IFTSAI90062700464801+9'  
DTM+137:200211021149:203'  
FTX+TRA++06:ZZZ:ZZZ+MSC EAST MED'  
TDT+20+35R+1+8+MSC:172:20+++L7359852:ZZZ::MSC ALICE:PA'  
RFF+VM:3FUJ5'  
RFF+VON:006270'  
LOC+11+BEANR:139:6+730:266:ZZZ'  
LOC+9+USNYC:139:6'  
DTM+232:200211300000:203'  
LOC+9+USMIA:139:6'  
DTM+232:200211300000:203'  
LOC+9+GBFXT:139:6'  
DTM+232:200211300000:203'  
NAD+CA+MSC:160:20'  
UNT+16+90062700464801'  
UNZ+1+1103131'

## **APPENDIX A : Some extra remarks on the use of free text segments :**

*Our main goal through the use of EDI is to process customer info automatically. Free text can not be interpreted by computers and therefore the use of free text should have to be kept to a strict minimum. A list of common misuse of the FTX segment is given below, also in addition, the consequences are mentioned.*

- ☞ *Do not pass the goods description through use of the FTX+AAI segment. Use the FTX+AAA segment instead.  
This normally will go unnoticed by the PSA Antwerp operational department (automated EDI processing).*
- ☞ *Do not pass the CSC weight through use of the FTX segment. Use the MEA segment instead, as stated earlier above.  
This normally will go unnoticed by our operational department (automated EDI processing).*
- ☞ *Although this is a free text segment, some characters can't be used or can't be used without the preceding EDIFACT release character: "?" (according to level A character set). Here follows a list of most occurring "problem" –characters:*

➤ *" " "*

*In EDIFACT, this character is known as a segment separator. If this character has to be interpreted as free text, it has to be preceded by the release character "?". Otherwise, the text after the "" character will be interpreted as a new segment with an error as result.*

*Example:*

*FTX+AAI+++1 x 20' FLAT' should be FTX+AAI:1 x 20?' FLAT'*

➤ *" + "*

*In EDIFACT, this character is known as a data element separator. If this character has to be interpreted as free text, it has to be preceded by "?". Otherwise, the text after the "+" character will be interpreted as a new data element with an error as result.*

*Example:*

*FTX+AAA+++TIRES + ENGINE PARTS' should be FTX+AAA:TIRES ?+ ENGINE PARTS'*

➤ *" : "*

*In EDIFACT, this character is known as a composite data element separator. If this character has to be interpreted as free text, it has to be preceded by "?". Otherwise, the text after the ":" character will be interpreted as a new composite data element with an error as result.*

*Example:*

*FTX+AAA+++FRUITS: APPLES AND PEACHES' should be FTX+AAA:FRUITS?: APPLES AND PEACHES'*

➤ “ ? ”

*In EDIFACT, this character is known as a release character and should never be used as free text. Sometimes this character is used as a question mark in free text at the end of an FTX segment. In that case, this “?” character should be preceded by another “?” character. Otherwise the system ignores a following data element –or segment separator with an error as result.*

*Example:*

*FTX+AAI+++DANGEROUS CARGO?' should be FTX+AAI:DANGEROUS CARGO??'*

➤ “ °”, “#”

*In EDIFACT, these characters are not supported and should never be used.*

=> Here follow some special characters that **can** be used in EDIFACT:

. - , ( ) / = ! “ % & \* ; < >

🕒 **see also APPENDIX B for Level A character set details**

**APPENDIX B: Level A character set in detail (see also “Interchange header – UNB – segment”):**

Letters, upper case A to Z  
Numerals 0 to 9  
Space character  
Full stop .  
Comma ,  
Hyphen/minus sign -  
Opening parentheses (  
Closing parentheses )  
Oblique stroke (slash) /  
Equals sign =

**Reserved for use as:**

Apostrophe ' segment terminator  
Plus sign + segment tag and data element separator  
Colon : component data element separator  
Question mark ? release character

? immediately preceding one of the characters ' + : ? restores their normal meaning. E.g. 10?+10=20 means 10+10=20. Question mark is represented by ??.

The following characters are part of the level A character set but **cannot** be used internationally in telex transmissions:

Exclamation mark !  
Quotation mark "  
Percentage sign %  
Ampersand &  
Asterisk \*  
Semi-colon ;  
Less-than sign <  
Greater-than sign >  
Degree sign °  
Cross sign #