



for the real world

S M D G



**SMDG CONFERENCE HAMBURG:
IFTMBF / IFTMBC – INDUSTRY STANDARD**

9th -11th October 2018



- Introduction
 - ✓ The initiative
 - ✓ Goal
 - ✓ Involved parties
 - ✓ Status
- IFTMBF / IFTMBC industry standards Improvements
- Outstanding items that require further discussion

INTRODUCTION



- Carriers needed to support different formats for IFTMBF / IFTMBC
 - ✓ Extra maintenance required on system level
 - ✓ Introducing a lot of overhead
 - ❖ Customized development per shipping line
- Several shipping companies wanted to get rid of the overhead and started up communications back in March 2018
- Different workshops with shipping lines were organized

INTRODUCTION – THE GOAL



- 1 Industry standard for IFTMBF / IFTMBC communication
- Format and technology (AS2 preference)
- Simplification were possible
- Creation & Publication of the MIG by SMDG for IFTMBF / IFTMBC

INTRODUCTION – INVOLVED PARTIES





- Shipping lines supporting the industry standard in an operational context
 - ✓ MSC
 - ✓ ZIM
 - ✓ WEC Lines
- Shipping lines currently performing E2E validation with MSC
 - ✓ ONE (Production date scheduled Mid Nov 2018)
 - ✓ Hapag Lloyd (Production date scheduled on 6th Nov 2018)
- Shipping lines with whom the planning needs to be further defined
 - ✓ Maersk & Hamburg Süd
 - ✓ CMA-CGM
 - ✓ HMM

IFTMBF / IFTMBC INDUSTRY STANDARD IMPROVEMENTS



- Booking request identifier
 - ✓ Sample: BGM+335+183472946+9
 - ✓ Remarks:
 - We should support the following statuses in the BGM segment
 - ❖ 9 → New IMDG booking request
 - ❖ 5 → Replace IMDG booking request
 - ❖ 4 → Update IMDG booking request
 - ❖ 1 → Cancel IMDG booking request



- Routing information (LOC+5 & LOC+7)
 - ✓ LOC+5 → Original port of loading
 - ✓ LOC+7 → Final port of discharge
 - ✓ Sample:
 - ✓ LOC+5+GBLIV:139:6'
 - ✓ LOC+7+PTSET:139:6'

- ✓ We will only require these segments in the EDI message when a transshipment is relevant. When we receive a single leg request via EDI it will be enough to only use : LOC+9 & LOC+11
- ✓ Only the PortIsoCode should be available



- Routing information (LOC+9 & LOC+11)
 - ✓ LOC+9 → Port of loading / loading terminal
 - ✓ LOC+11 → Port of discharge / discharge terminal
 - ✓ Sample :
 - LOC+9+GBLIV:139:6+GBLIV:72:ZZZ'
 - DTM+133:20180516:102'
 - LOC+11+PTSET:139:6+SADOP:72:ZZZ'
 - DTM+133:20180520:102'



- Routing information (LOC+13)
 - ✓ LOC+13 → Transshipment ports

 - ✓ Remarks:
 - Support IMDG requests with a max. of 5 transshipment ports
 - For the transshipment ports (LOC+13) the sequence should be put in the Relation Code segment (5479). This is the last segment in the LOC segment
 - Sample of a transshipment request:
 - Route: Hamburg → Sines → Casablanca
 - LOC+5+DEHAM:139:6'
 - LOC+7+MACAS:139:6'
 - LOC+9+DEHAM:139:6:EGH:72:ZZZ'
 - LOC+11+PTSIE:139:6:SCT21:72:ZZZ'
 - DTM+133:20180311:102'
 - LOC+13+PTSIE:139:6:Sines+++1'



- Routing information (LOC+27 & LOC+36 & LOC88)
 - ✓ LOC+27 → Country of origin
 - ✓ LOC+36 → Country of destination
 - ✓ Sample:
 - ✓ LOC+27+GBXXX:139:6'
 - ✓ LOC+36+PTXXX:139:6'
 - ✓ Other possibilities
 - ✓ LOC+27+BEANR:139:6
 - ✓ LOC+27+BE:139:6
 - ✓ LOC+36+BEANR:139:6
 - ✓ LOC+36+BE:139:6

 - ✓ LOC+88 → Place of receipt (not used)



- Operating reefer requests (MEA+TE+AAU+C)
 - ✓ Sample: MEA+TE+AAU+C:1:170:195'
 - TE: temperature*
 - AAU: operative reefer temperature*
 - C: Celsius*
 - 1: operated reefer/tank (0=false, 1=true)*
 - 10: min temperature value*
 - 20: max temperature value*
 - ✓ Remarks:
 - When not provided the container is not considered an operating reefer/heated tank
 - Should we provide a specific temperature or a range?
 - Both are supported by the EDI standard (not by SMDG):
 - MEA+TE+AAU+C:1:10:20' (range)
 - TMP+2+15:C' (specific temp)
 - TMP on GID level is still supported, but than for emergency temperature and control temperature of the cargo.



- Fumigated container requests (DTM+FUM / DTM+VEN)
 - ✓ Sample : DTM+FUM:201203151000
 - ✓ Fumigation details should come below the EQD segment.
 - EQD+CN+TCLU2834090+20DV:102:5'
 - NAD+SU'
 - DTM+530:201804011200:203'
 - ✓ In the DGS segment the UN3359 should be provided.
 - ✓ Including the weight and the technical name
 - ✓ Remarks:
 - When not provided, it is not considered as a “fumigated container”



- Support requests with NAXXXX numbers

- ✓ Class and UN Number (dgs+imd)

DGS+IMD+2.1::38-16+1950+049:CEL++FD/SU

- ✓ Support requests with NAXXXX numbers

DGS+CFR+3::38-16+1993+049:CEL++FD/SU

The CFR indicator means that an NAXXXX (in this case NA1993) is being used.



- UNNumber / Proper shipping Name & Technical name (FTX+PSN / FTX+AAD)
 - ✓ FTX+PSN++UN1950+AEROSOLS → UNNumber and proper shipping name
 - ✓ FTX+AAD+++ ALCOHOL ETHOXYLATE ALCOHOL ETHOXYLATE% → Technical name



- Cargo Item Reference
 - ✓ RFF+CN:422695/1/580433

- SAPT & SADT
 - ✓ SADT = self-accelerating decomposition temperature
MEA+TE+sapt code+CEL:55
 - ✓ self-accelerating polymerization temperature
MEA+TE+sadt code+CEL:55



- Competent Authority Approval
 - ✓ FTX+AAC++CAA+4697



- IMOSort Codes

- ✓ Normal

FTX+AAC+IMS+NORMAL

- ✓ Residue

FTX+AAC+IMS+RESIDUE

- ✓ Limited Quantity

FTX+AAC+IMS+TLQ

- ✓ EQ

FTX+AAC+IMS+EQ

- ✓ Waste

FTX+AAC+IMS+WASTE

- ✓ Expired

FTX+AAC+IMS+EXPIRED

- ✓ Hot

FTX+AAC+IMS+HOT

- ✓ Salvage

FTX+AAC+IMS+SALVAGE



- How to send cancellations

- ✓ *Booking level*

- BGM+335+183472946+9*

- ✓ *Container level*

- EQD+CN+GATU1333509+22G1:102:5++16*



- Link between the IFTMBF request and the IFTMBC feedback message
 - ✓ The UNB & UNH identifiers are sequential numbers defined by the sender. It's not possible to put a specific reference (on request of the receiver) in these segments.
 - ✓ RFF+AAQ might be a better segment to put the container reference in. (as per standard: RFF+AAQ = Unit load device (e.g. container) identification number)
 - ✓ Message identifier (from UNB segment) will be placed in BGM segment
RFF+BN & RFF+AAQ segment will be kept in the message.
 - ✓ Proposal is to continue mapping the value from the BGM segment from the IFTMBF to the BGM segment of the IFTMBC (is like this already for years).
 - ✓ So IFTMBC will contain:
 - *BGM segment with same reference as BGM from IFMTBF*
 - *RFF+BN segment containing the booking number*
 - *RFF+AAQ segment containing the container reference (RFF+AAY from the IFTMBF)*
 - *EQD+CN segment will stay*

OUTSTANDING ITEMS THAT REQUIRE FURTHER DISCUSSION



- Cargo Temperatures
 - ✓ TMP+4+20:CEL → *Transport emergency temperature*
 - ✓ TMP+5+20:CEL → *Transport control temperature*

 - ✓ *Only 1 occurrence allowed of TMP on cargo level*

- SAPT & SADT
 - ✓ SADT = self-accelerating decomposition temperature
MEA+TE+sapt code+CEL:55
 - ✓ self-accelerating polymerization temperature
MEA+TE+sadt code+CEL:55

SAMPLES

SAMPLES



```
UNB+UNOC:1+ZIM+MSC+131002:1604+359801282
UNH+359801282/1+IFTMBF:D:00B:UN:MSCEDI
BGM+335+359801282/SSPHANR1004391+9
DTM+137:201310021604:203
FTX+ZZZ++OP+ZIM
RFF+BN:SSPHANR1004391
TDT+20+NI340A+1+8+++9213583:146::MSC MIRA
LOC+5+BEANR:139:6
LOC+7+USNYC:139:6
LOC+9+BEANR:139:6+BEANRT73:72:ZZZ
LOC+11+DEHAM:139:6+DEHAMEU:72:ZZZ

LOC+13+DEHAM:139:6:HAMBURG+++1

NAD+CN+++ZIM (SLOT CHARTERER) HAMBURG+Hamburg, Germany+++DE
CTA+CN+xxxxxxxx
COM+?+xxxxxxxxxxxxxxxxxxxx:TE
COM+xxxxxxxxxxxxxxxxxxxx:EM
COM+?+xxxxxxxxxxxx:FX
NAD+LP+++ZIM (SLOT CHARTERER) HAMBURG+Hamburg, Germany+++DE
CTA+LP+xxxxxxxx

COM+?xxxxxxxx:TE
COM+EMAIL:EM
COM+?+xxxxxxxxxxxx:FX
NAD+CZ+++ZIM (SLOT CHARTERER) HAMBURG+Hamburg, Germany+++DE
CTA+CZ+xxxxxxxx
COM+?+xxxxxxxxxxxxxxxx:TE
COM+EMAIL:EM
COM+?+xxxxxxxxxxxx:FX
GID+1+80:1A1:::DRUM STEEL NON-REMOVABLE HD+0
MEA+WT+G+KGM:13992

MEA+WT+AAL+KGM:9500
SGP+19815255
DGS+IMD+3::38-14+1219+012:CEL+2+FE/SD
FTX+AAD+++formic acid
FTX+PSN++UN3265+CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
FTX+AAC+MP+NP
FTX+AAC+RQ+0
CTA+HE+:xxxxxxxxxxxxxxxx
COM+?+xxxxxxxxxxxx:TE
CTA+HE+:xxxxxxxxxxxx
COM+?+xxxxxxxxxxxx:TE
MEA+WT+G+KGM:16200
EQD+CN+19815255+22G1:102:5+1+2+5
RFF+AA:19815255
UNT+45+359801282/1
UNZ+1+359801282
```

SAMPLES



Sample 1 - Accepted:

```
UNA:+. ? '
UNB+UNOB:1+HLC+MSC+120125:0945+38495
UNH+ME000001+IFTMBC:D:01B:UN:EAN003
BGM+770+31041+9+AP
DTM+137:201203081214:102
RFF+BN:431-AA
RFF+AAQ:19815255
EQD+CN+GATU1333509
UNT+13+ME000001
```

Sample 2 - Rejected + reason(s)

```
UNA:+. ? '
UNB+UNOB:1+HLC+MSC+120125:0945+38495
UNH+ME000001+IFTMBC:D:01B:UN:EAN003
BGM+770+31041+9+RE
DTM+137:201203081214:102
FTX+++NAI+Separated from hydrogen peroxides
RFF+BN:431-AA
RFF+AAQ:19815255
EQD+CN+GATU1333509
UNT+13+ME000001
```

Sample 3 - IFTMBC after cancellation of a booking

```
UNA:+. ? `
UNB+UNOB:1+MSC+ONE+180719:1649+119'
UNH+118+IFTMBC:D:01B:UN:EAN003'
BGM+770+[BOOKING_REQUEST_IDENTIFIER]+9'
DTM+137:201807191649:102'
FTX+NAI+Booking has been cancelled'
RFF+BN:[BOOKING_REFERENCE]'
UNT+15+118'
UNZ+1+119'
```

Sample 4 - IFTMBC after cancellation of a specific container

```
UNA:+. ? `
UNB+UNOB:1+MSC+ONE+180719:1649+119'
UNH+118+IFTMBC:D:01B:UN:EAN003'
BGM+770+[BOOKING_REQUEST_IDENTIFIER]+9'
DTM+137:201807191649:102'
FTX+NAI+Container has been cancelled'
RFF+BN:[BOOKING_REFERENCE]'
RFF+AAQ:[INTERNAL_CONTAINER_REFERENCE]'
EQD+CN+[CONTAINER_NUMBER]'
UNT+15+118'
UNZ+1+119'
```





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