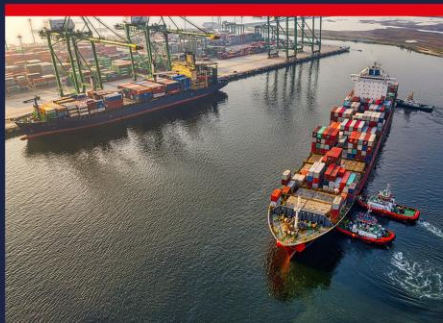# SMDG

BAPLIE / MOVINS

Jost Müller

Agenda

- Purpose of EDIFACT messages BAPLIE and MOVINS

- Challenges with message BAPLIE

- Challenges with message MOVINS

- Message versions

- Shortcomings of older versions

- Working Group BAPLIE/MOVINS

EDIFACT Message Purpose

- **BAPLIE**
  <u>Status</u> of the use of stowage locations on board of a vessel
  - Arrival
  - Departure
  - *Used by vessels' on-board instruments for safety calculations*

- **MOVINS**
  <u>Instructions</u> for terminal operations during a port call
  - Discharge
  - Restow
  - Loading

Challenges with message BAPLIE

SMDG

- Shipping Line
  - Vessel Sharing Agreements (VSA)
  - Pre-Planning by each VSA Shipping Line vs. Vessel Planning by terminal
- VSA-Partner vs. Vessel operator
- Terminal operator
  - Arrival status
  - preliminary Departure status
  - final Departure status
- Vessel safety (Regulation by Classification Society)
  - Used for Control by on-board loading instrument

Challenges with MOVINS Stowage Instructions

- Shipping Line
  - Ultimate stowage instructions by vessel operating line
  - restows
- Terminal operator
  - Matching with announcements by COPRAR and COPARN
  - Matching with yard planning
    - Arrival by road, train, feeder
    - Departure by road, train, feeder
  - Matching with optimization of operations

Message Versions of BAPLIE and MOVINS

- Original – early 1990ies:
    - BAPLIEv2 - EDIFACT Directory D.95B

- Updated 2013 providing for more precise descriptions
    - BAPLIEv3 - EDIFACT Directory D.13B – split information about stowage position and transport equipment

- Further Updates
    - EDIFACT Directory D.21A – allow for Code Lists Handling Instructions, Stowage Instructions and Attributes

- MOVINSv3 has been adjusted to BAPLIEv3 in D.19B

Shortcomings of BAPLIEv2 and MOVINSv2

SMDG

99999 SGroup5 – **Stowage Position**

    M1 LOC – stow. Pos. identification (BBBRRTT)
    C1 GID
    C1 GDS
    C9 FTX – Handling / further information
    M9 MEA – weight
    C9 DIM – dimensions
    C1 TMP – reefer temp.
    C1 RNG – reefer range
    C9 LOC – POL / POD
    M1 RFF – further information

C3 SGroup6 – **Equipment**

    M1 EQD – transport equipment identification
    C9 EQA - attached equipment
    C9 NAD - equipment operation
    C9 RFF – equipment reference

C999 SGroup7 – **Dangerous Goods**

    M1 DGS – Dangerous Goods identification
    C1 FTX – DG additional information

```
        ---- Segment group 6  ------------------ C   99999------------+
LOC  Place/location identification       M   1                        |
ATT  Attribute                           C   99                       |
FTX  Free text                           C   9                        |
RFF  Reference                           C   9                        |

        ---- Segment group 7  ------------------ C   9----------------+
EQD  Equipment details                   M   1                        |
NAD  Name and address                    C   9                        |
MEA  Measurements                        C   9                        |
HAN  Handling instructions               C   99                       |
ATT  Attribute                           C   99                       |
DIM  Dimensions                          C   9                        |
RFF  Reference                           C   9                        |
GDS  Nature of cargo                     C   99                       |
FTX  Free text                           C   9                        |

        ---- Segment group 8  ------------------ C   9--------------+ |
LOC  Place/location identification       M   1                     | |
TSR  Transport service requirements      C   1                     | |
TDT  Transport information               C   1--------------+      | |

        ---- Segment group 9  ------------------ C   9--------------+ |
TMP  Temperature                         M   1                     | |
RNG  Range details                       C   1                     | |
DTM  Date/time/period                    C   1--------------+      | |

        ---- Segment group 10 ------------------ C   9--------------+ |
EQA  Attached equipment                  M   1                     | |
NAD  Name and address                    C   1--------------+      | |

        ---- Segment group 11 ------------------ C   999------------+ |
DGS  Dangerous goods                     M   1                     | |
ATT  Attribute                           C   9                     | |
MEA  Measurements                        C   9                     | |
FTX  Free text                           C   9                     | |
                                                                   | |
        ---- Segment group 12 ------------------ C   9----------+  | |
CTA  Contact information                 M   1                  || |
COM  Communication contact               C   9----------+  | |
CNT  Control total                       M   1---------------------+
```

Stowage Location

Equipment identification
Equipment operator
Weight
Handling and attributes

POL, POD, on-transport

Reefer details

IMDG details

Advantages of Versions 3

- BAPLIE 3.2 MIG gives extensive description on how to use message features

- Clear definition of data meets process automation and new regulations
  - SMDG maintained code lists facilitate even latest requirements in maritime transport
  - Code lists HANDLING, STOWINS, ATTRIBUTES

- Avoid misunderstandings and extra communication

- Systems controlling terminal operations directly fed by messages

MOVINSv3

- More detailed specifications allow for computer-controlled business processes on terminal

- Freedom for terminal operator to optimize operations

- …

Working Group BAPLIE/MOVINS (1)

- No WG meetings in past years

- Questions have been answered by chair Jost Müller
  send questions/comments to secretariat@smdg.org or info@smdg.org

- Recently published MIGs
  - BAPLIE v2.2.1 (2016)
  - BAPLIE v3.1.1 (2016)

Working Group BAPLIE/MOVINS (2)

- BAPLIE and MOVINS have been continuously updated in <u>EDIFACT directory</u>
  - latest update of BAPLIE and MOVINS in D.21A (added ATT segments)
  - D.19A – adjust MOVINS structure with BAPLIE3 ➜ MOVINS version 3
- Open issues – MIGs to be published
  - MIG BAPLIE v3.3 (D.21A)
  - MIG MOVINS v3 (D.21A)

- Intentions by members for changing to versions 3?
  Any new requests for improvements from Shipping Lines or Terminals?
  ➜ Worth to continue working group BAPLIE / MOVINS?

Working Group Members

- Jost Müller (Chair)

- …

Thank You

C 2023 SMDG e.V.