

# ***BAPLIE version 3***

## Status of Message Draft

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# ***BAPLIEv3 – Overview***

- ➔ Motivation
- ➔ Requested Features
- ➔ Changes compared to BAPLIEv2.x
- ➔ Status of Work

# *Motivation for Version 3*

- ➔ Features missing (DG declaration, safety validation, un-containerized / odd-sized cargo, special handling)
- ➔ non-EDI solutions -> more effort
- ➔ Incompatible “work arounds” around
  - rejections
  - multiple different implementations
- ➔ Objective: Cost saving by covering more *non-standard* cases

# ***BAPLIEv3 – Feature Requests***

- ➔ **IMDG Code:** limited quantities, segregation groups, aggregate state, PSN, ...
- ➔ **Containerized Equipment:** ISO size-type not sufficient; no ISO container ID; ...
- ➔ **Breakbulk:** placement, calculations
- ➔ **Bundles**
- ➔ **Lost slots, permanently blocked slots**
- ➔ **Discharge Priorities**
- ➔ **Time-dependent Temperature Control**
- ➔ **Lashing Gap, ...**

# *BAPLIEv3 – Design Principles*

- ➔ Objective:
  - clear recommendation on how to transmit information on all known peculiarities
  - define codes for all peculiarities
  - allow for later enhancements
- ➔ Realized by:
- ➔ Use of codes maintained by SMDG rather than directory codes
- ➔ adjust message structure accordingly

# ***BAPLIEv3 - Codes***

- ➔ Transmission of codes in composite DE which refer to SMDG as code list responsible agency
- ➔ for transmission of codes use designated segments rather than FTX

# ***BAPLIEv3 - Message Structure***

- ➔ Use EQD group for description of cargo characteristics (POL/POD, weight, etc)
- ➔ former BAPLIE described characteristics position-wide



# *BAPLIEv3 – Message Structure*

## BAPLIEv2.x

LOC-group (position)

MEA (weight)

LOC (POL/POD)

DIM

...

EQD-group (equipment)

NAD (operator)

DGS-group (hazards)

...

## BAPLIEv3

LOC-group (position)

...

EQD-group (equipment)

NAD (operator)

LOC (POL/POD)

MEA (weight)

DIM

...

DGS-group (hazards)

...

# ***BAPLIEv3 – Features (3)***

DGS group principles – for each DG item:

Identify hazard in detail

Stowage and segregation is defined by  
IMDG code (not transmitted)

Transmit in-house rules per container  
(rather than per DG item)

# ***BAPLIEv3 – Features (3)***

## **New Structure of DGS group:**

**ATT** segments: substance's attributes in addition to DGS segment

**MEA** segments: quantities (net weight, concentration, radioactivity, ...)

**CTA** segment: contact information

**FTX** segments: additional information

# *BAPLIEv3 – Features ()*

EXIS proprietary code for variant of UNDG number

Status: still under discussion

Unclear whether code is unique

Code list published in web, but registration required

# ***BAPLIE3 – Features ()***

**Handling Instructions - Use of HAN segment**  
always use codes from SMDG code lists  
identify code list to be used

**HAN+OD:stowloc:306'**

**HAN+OPN:ventilation:306'**

# ***BAPLIEv3 – Features ()***

Equipment dimensions (not always sufficiently defined by ISO size-type code)

Flat racks: height when folded, end-walls with extendible height, internal bottom height

Width: body / at corner posts

Height: no code for 6'9

Length: no actual length by size-type (e.g.23')

Transmit in **DIM** segment – new qualifiers for equipment dimensions (distinguished from oversize by cargo)

# BAPLIEv3 – Features (2)

## Bundles

LOC+147+...

EQD+CN+

NAD+CF+

... bundle's POL/POD, weight, ...

EQA+CN+

NAD+CF+

EQA+CN+

NAD+CF+

EQA+CN+

NAD+CF+

...

## Unbundled

LOC+147+

EQD+CN+

NAD+CF+

... (POL/POD, weight, ...)

**RFF+SQ+1**

EQD+CN+

NAD+CF+

... (POL/POD, weight, ...)

**RFF+SQ+3**

EQD+CN+

NAD+CF+

... (POL/POD, weight, ...)

**RFF+SQ+2**

# ***BAPLIEv3 – Features ()***

## Maximum allowable stacking weight

New qualifier MEA+**ASW**

If maximum allowable stacking weight of equipment is <192t the actual limit should be specified

Note: In very high stacks 192t might be not sufficient. MEA+ASW can also be used to mark containers with limits > 192t.



# ***BAPLIEv3 – Features ()***

Equipment without ISO container-ID

Prescribe how to transmit identification:

Always use **XXXX** as prefix, followed by unique number – use container's marking

# *BAPLIEv3 – Features ()*

Function of term “carrier” (container operator)

- NAD+CF+SUDU::306'

Partner in VSA subleases slots to another shipping line

Allow to specify multiple functions in NAD

**NAD** segment is now C9

Codes from directory:

“container operator” NAD+**CF**+...

“slot charter party” NAD+**GF**+...

# ***BAPLIEv3 – Features ()***

Discharge Priorities / On-carriage information  
(mode of transport)

Add **TSR** segment (transport service requirements) to port specification

Causes LOC segment for POL, POD, etc to be extended to additional **LOC-group**

# ***BAPLIEv3 – Features ()***

**Lost slots – caused by OOG**  
mark location as not usable  
Refer to EQD's identification

**Permanently blocked slots – e.g. power packs**  
qualify equipment as permanent on board  
describe equipment: size-type, weight, ...

# ***BAPLIEv3 – Features ()***

Variants of Stowage Location - lashing gap,  
non-standard length, ...

Transmit variant to use as handling  
instruction for equipment (EQD group)

# *BAPLIEv3 – Features ()*

Time-dependent  
temperature control

TMP group (C9)

TMP  
RNG  
DTM

```
TMP+2+-5:CEL'  
TMP+2+-5:CEL'  
DTM+194+201209301200:203'  
TMP+2+0:CEL'  
DTM+194+201210031200:203'  
TMP+2+5:CEL'  
DTM+194+201210061200:203'  
TMP+2+10:CEL'  
DTM+194+201210091200:203'
```

# ***BAPLIEv3 – Status of Work***

- ➔ Draft MIG (status end of September)
- ➔ Summary of Features / Changes
  - Document *Development Notes rev. 3*
- ➔ DMRs for Directory D13.A (ready)
  - Message Structure
  - Codes for Segment Qualifiers
- ➔ more work on SMDG code lists
- ➔ finalize *User's Guide (MIG)*
  
- ➔ ... next step: **MOVINSv3**