BAPLIE version 3

Status of Message Draft

Jost Müller

60th SMDG Meeting
10th Oct. 2012, Bilbao, Germany

Subgroup Members

- Michael Bergen
  Interschalt
- Gerry Endenburg
  COPAS
- Peter Horstkorte, Jost Müller
  Müller+Blanck Software
- Yoshi Kito
- Henrik Monberg Carlsen
  Marine Alignment
- Wolfgang Neumann
  Hamburg Süd

- Robert Rustenburg
  ECT
- Michael Schröder
  Hapag Lloyd
- Heidi Stemler
  HHLA
- Arthur Touzot, Philippe Novak, Alfonso Rasch-Isla
  CMA CGM
- Paul Wouters
  Cosmos

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 <u>codes</u> 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