

Stowage Instructions Message MOVINSv3

14 March 2017

Message Purpose

The message contains stowage instructions for one terminal.

Message Structure

The message structure is kept very similar to version 3 of message BAPLE. The message core lists stowage locations describing the equipment transported in this location. The equipment is specified by various attributes including size-type, weight, place of discharge, operator as well as the description of various individual properties like specification of hazards, temperature control, non-standard dimensions, etc.

The segment group describing a stowage location is kept identical to BAPLIEv3 (D.13B), however this stowage location group may occur in different sections (see picture next page) for

- Loading – instructions for stowage locations used for containers newly to be loaded in the terminal.
- Discharge – A list of stowage locations with equipment to be discharged in the terminal. This equipment will not be loaded on the same vessel in the terminal.
The discharge section in MOVINS is optional, because the terminal may have received discharge instructions by related discharge COPRAR messages.
- Restows – List of stowage locations with containers temporarily to be discharged in the terminal and to loaded again (restowed) at a different stowage location. Restows are typically made by two moves: a temporary discharge to quay and a new loading operation. However, in some special cases the restow may be performed by a single move (shift) into a new stowage position.
- Change of destination – A list of stowage locations containing equipment which will remain on board in the current terminal, but where the related discharge place has changed. Instructions transmitted in this section do not imply physical operations, but a change of container's POD attribute in the related BAPLIE message.
To be discussed: COD instructions in MOVINS may also be used for changing other container attributes than place of discharge; e.g. handling instructions, reefer temperature, etc.

Rules for Interpretation of Stowage Instructions

In MOVINS stowage location usually contain one or more EQD groups defining attributes of a container to be transported in this location. Since exactly following the instructions provided by the vessel operator may cause exaggerated effort and expense for the terminal, the relation stowage location <> equipment attributes allows for some interpretation by the terminal on which container may be selected for loading into this position. The framework for interpretation is defined by a set of rules whose applicability may vary case by case depending on mutual agreement between the parties.

Rules for interpretation are:

1. **Strictly follow specified place of discharge**
 - The container to be loaded in the location must have the POD as defined in MOVINS.
2. **Strictly follow specified equipment size-type length**
 - The container to be loaded in the location must match the length as defined in MOVINS.
3. **Follow specified equipment size-type height**
 - The container to be loaded in the location should match the height as defined in MOVINS.
 - Considering the location's stack, the sum of all container heights must match the sum of heights as defined in MOVINS for this stack.
4. **Strictly follow all DG attributes**
 - The container to be loaded in the location must match all DG attributes as defined in MOVINS.
 - Other attributes as e.g. equipment gross weight, equipment ID may differ. Rules 1 and 2 apply.
5. **Strictly follow all OOG attributes**
 - The container to be loaded in the location must match the OOG attributes as defined in MOVINS.
 - Other attributes as e.g. equipment gross weight, equipment ID may differ.
 - The definitions lost slots (blocking caused by ...) as defined in MOVINS must be adjusted.
6. **Strictly follow breakbulk specifications**
 - Strictly follow specifications for supporting equipment.
 - Strictly follow specifications for distribution of breakbulk and lashing material.
 - Other attributes as e.g. lashing material weight or equipment IDs may differ.
 - Observe specifications for center of gravity (considering equipment floor height) and transmit in departure BAPLIEv3.
 - The definitions for blockings, lost slots (blocking caused by ...) as defined in MOVINS must be maintained.
7. **Strictly follow TMP attributes**
 - The container to be loaded in the location must have a TMP attributes defined in MOVINS.
 - Values of TMP and/or RNG specification may differ.
 - Instructions on placement of reefer engine to be followed.
 - Other attributes as e.g. equipment gross weight, equipment ID may differ. Rules 1 and 2 apply.
8. **Strictly follow explicit link of equipment to stowage location**
 - If specified in equipment's handling instructions, then the attributes of the container must exactly match specified with the attributes defined in MOVINS.
9. **Allow exchange of equipment within a stowage block**
 - If a stowage block is specified in equipment's handling instructions, then the container may be exchange with any other container in the same stowage block – as long as no other rules are violated.

10. Follow weight specifications

- As long as there is no violation of other rules, the container loaded in the location should be selected by equipment's gross weight specification as specified in MOVINS.
- If MOVINS specifies a weight range, then loaded container's gross weight should match this range.
- Terminal and vessel operator may mutually agree for weight classes. In this case the loaded container should match the weight class of the gross weight defined in MOVINS.
- **Currently there are no provisions for specification of stack weight or stack height**

11. Strictly follow specification for equipment limitations

- Verify that equipment limitations like max. permissible stacking weight are not exceeded even if the equipment will be stowed in a different location than specified in MOVINS.

12. Strictly follow special handling instructions for equipment

- Verify that handling instructions for stowage of equipment are achieved even if the equipment will be stowed in a different location than specified in MOVINS.
- Such equipment handling instructions include but are not limited by
 - Monitoring required
 - Door accessible, not accessible, facing forward/aft
 - Keep cool, keep dry
 - On/under deck
 - Strong odour, odour-sensitive cargo

Rules for Generating a Departure BAPLIE from MOVINS

Subsequent (demanding) draft rules are meant for further discussion.

At least in a transition period of introducing versions 3 of BAPLIE and MOVINS a mixture of both message version may be realistic. Versions 3 usually provide for more and more detailed attribute specifications. The following rules should be applied analogously independent of differences arising from deviant specifications of attributes in message versions.

1. Use attributes received in MOVINS also in BAPLIE

- Use the same type and value of attributes as received in MOVINS.
- Even if the equipment is stowed in a different location, it shall be specified with the same degree of detail as received in MOVINS.
- *As a generic demand for the generation of the departure BAPLIE: Do not drop attributes which had been received in MOVINS – even if not processed by terminal system.*

2. Complement attributes missing in MOVINS in BAPLIE

- Insert attributes which have not yet been known or have deliberately been left open in carrier's the stowage instructions, e.g. equipment IDs, exact weight, composition of bundles, etc.

3. Adjust attribute values in case later information is available

- Adjust attribute values in case of updates, e.g. TMP/RNG values, ventilation settings, etc.

4. Restows

- Copy equipment attributes as received in MOVINS' RES-section into the equipment specification for restow's target location of the departure BAPLIE. This implies e.g. specification of a different POD compared to the arrival BAPLIE.
- Insert the reason for restow received in MOVINS into departure BAPLIE.
- Allow for specification of multiple restow reasons in departure BAPLIE.

5. Change of Destination

- Copy all equipment attributes as received in MOVINS' COD-section into the equipment specification in the departure BAPLIE – not only the POD attribute.