EEP21 Information paper

Agenda item EEP21-8.1

Task Number 2

Author(s) / Submitter(s) Working Group 1

IALA Support of the Calmar transitional

Mooring calculation software

# Summary

This paper outlines the technical amendment to be implemented to the software and defined conditions of maintenance and distribution of the Calmar transitional mooring calculation software.

## Purpose of the document

To review and discuss the adoption, storage, distribution, and maintenance of the Calmar Software with IALA and its members.

## Reference Document

IALA Guideline 1066 – The design of floating Aid to Navigation Moorings - IALA/AISM edition 1.1 (June 2010).

# Background

A presentation was given at the Brest workshop show the use of the software with the ability for all present to download and trial. At EEP19, action item 44, members we asked to look at using the software and comparing the results with actual practices to help validate the results. At EEP20, the feedback from members was seen to be positive, with only some minor technical adjustments. It was also recommended that the software is adopted as an IALA tool.

# Discussion

The task group consider and discussed the following aspects:

## Technical Changes

The current version of the software is v0.2.4.2, but the new version 0.2.4.3 will include advanced parameters which allow the ability to change the following:

* the drag coefficient to 0.6, 0.9, 1.2 (default) or 1.4
* the water specific gravity to reflect local variations.
* the adjustment of the naming of the buoy models in the library to reflect volume/diameter

## Support Changes

Other support improvements are to be developed to allow adoption by a greater audience. These being:

* Translation of the program menus in to German and Arabic
* The translation of the manual into German and Arabic

## The Creation of Buoy Models.

The Calmar software allows user to create from scratch new buoy models or modify existing models provided in the library. This is in addition to the ability to import or export buoy models from suppliers.

Examples of models will be provided within the software detailed in the form of volume, overall diameter and buoy type.

A step by step method of developing a model is to be included in the user manual.

## Software Distribution

The Calmar software could be published on the IALA website at an IALA version 1.0 with an IALA logo, the exact area within the IALA website or an external download link to the software.

Within the software there will be credit given to the authors in an “about” menu together with support and bug reporting information.

Support information is provided in a technical reference in English, and a User manual available in French, English, Arabic and German. Both documents are to remain unsigned, but dated and versioned.

The menu languages are French, English, Spanish, Japanese, German and Arabic.

## Software Support and Feedback

Any feedback on the operation and use of the software will be captured by IALA and reviewed by the EEP committee.

A maintenance agreement needs to be in place between IALA and Mobilis to allow any feedback and recommended improvement to be applied to the IALA variant. Mobilis in turn will submit to the EEP committee any improvements they feel are necessary or useful.