Liaison Note to the Danish Maritime Authority

Request to update testbed information on www.e-navigation.net

# Introduction

The testbed information at www.e-navigation.net site is considered to be an important tool for the work on reporting testbed results and making these (and other information from previous and current testbeds) available to the e-navigation community. The aim of making such information available is to create a basis for the planning of future testbeds and for analysis of lesson learnt and results (meta-analysis). Further, one of the major benefits of the website is that testbed information and documents are publicly available after the finalising of each testbed project.

The e-Navigation Committee notes that results and other information from a number of testbeds, both previous and current, are not included on e-navigation.net. It is also noted that the majority of those testbeds currently referred to at www.e-navigation.net lack information on results, etc. in accordance with IALA Guideline No. 1107 *on the Reporting of Results of e-Navigation Testbeds*.

Further, there is a need to revise the website structure, so as to provide a better initial overview of the information on testbeds.

It is evident that with wide-ranging updates of the e-navigation.net website being identified, extensive work will be required. The IALA e-NAV Committee is of the view that a discussion (between DMA and IALA) on the ownership (and resourcing to keep it up-to-date) of the e-navigation.net website is necessary.

With the aim of enhancing the availability of testbed results and other information, the IALA ENAV Committee requests the Danish Maritime Authority to update the e-navigation.net website according to the details below.

# List of testbed information updates on the e-navigation.net

The following testbed information requires updating:

* Testbed reports (final, work package, etc.) need to be included in the form of documents with the information given for each presented testbed;
* All information required by the reporting template in *IALA Guideline No. 1107 On the Reporting of Results of e-Navigation Testbeds* should be included in the information for each of the presented testbeds, in order to give an overview of each testbed;
* Information on the following known testbeds (this is a non-exhaustive list - table to be updated / amended as appropriate) is required

|  |  |  |  |
| --- | --- | --- | --- |
| * SENA   + SESAM   + STMS | * TICON | * SMART-NAV | Under Keel Clearance Management System in Torres Strait Australia |
| * MONALISA 2.0 | * BLAST | * MICE | * MARNIS |
| * DUBLIN BAY DIGITAL DIAMOND |  | * NAVIEYE | * INT-NAV |
| * EMSI | * ECOSOS | * VLSS | * NIESS |
| * ICE-NAVIGATION IN POLAR REGIONS (RUSSIA) | * ST LAWRENCE SEAWAY | * MarSSIES | * EMOD |
| * US testbeds | * Others |  |  |

In order to facilitate a better initial overview of the information on testbeds, it is proposed that the existing drop down menu on the ‘TestBeds/Projects’ tab on the website be replaced with a link to a summary information table with a structure similar to Table 1 attached to this liaison note.

Further details on such a structure can be found in:

the ENAV9/WG6 Summary\_Sheet\_\_Example\_Review\_V2. Each row in the table should briefly describe a testbed with regard to scope, testbed area, etc. and should include a link to a detailed project webpage (similar to the current webpages).

# Action requested

The Danish Maritime Authority is requested to:

1. Update the e-navigation.net website, adding testbed results, available documents and other relevant information from previous and current testbeds according to the above list of known testbeds;
2. Update the e-navigation.net website with information on known testbeds using the reporting template in IALA Guideline No. 1107 On the Reporting of Results of e-Navigation Testbeds;
3. Restructure the testbed information available on the e-navigation.net website as according to the above proposal;
4. Initiate discussion on the question of ownership and maintenance of the e-navigation.net website with the IALA Secretariat and the ENAV Committee.

IALA ENAV Committee members are requested to:

1. Promote the e-navigation.net website and request testbed project partners to report information on their testbeds to the IALA Secretariat.

| **#** | **Reference doc** | **Name** | **Description** | **Function** | **Example** | **Advantage** | **Disadvantage** | **Recommendation** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | WG6/ Tokyo | NIESS | Navigational Intension Exchange Support System  (Passing Pattern) | Radar Add-On using display arrows of intended passing pattern of target ships, showing on demand. | JMA-5300_20100107_132048 | Receive AIS message from target ship on intended passing pattern on demand. (e.g. 3 miles forward)  Limit the need for additional display | Need care for displaying too much information on the Radar.  Radar display limits the ability of displaying additional data.  It clutters the Radar. | It may be beneficial to add data layers on Radar, but this need to be limited and data needs to be carefully selected.  Showing data on demand is good for keeping the RADAR image clear |
| 2 | WG6/ Tokyo | VLSS | Visual Lookout Support System  (Tracked target information) | Heads-up display supporting information | PB140512.JPG | Clear visible target information.  Enhances visual look-out.  Linking real world and digital information. | Display may be confusing if too many information is shown.  Possible cluttering of outlook. | Level of details need to be controlled.  Environmental conditions (e.g. light) needs to be considered. |

TABLE 1