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| From: DTEC | ARM21-8.4.2  (DTEC5-15.2.2) |
| To: PAP, VTS, ARM |  |

LIAISON NOTE

Maritime Resource Name (MRN)

# introduction

DTEC Committee thanks the intersessional task group on MRN for their valuable contribution. At DTEC4 the DTEC committee concluded the request to be the leading committee regarding the tasks on MRN.

# DiscusSION

The concept of Maritime Resource Names was introduced by eNAV/DTEC as a generic and universal naming convention based on the concept of Uniform Resource Names (URN) following RFC 1737 and RFC 2141. In eNav/DTEC the recommendation R1023 Maritime Resource Name and the guideline G1143 Unique Identifiers for Maritime Resources were developed and IALA got endorsed by other international organizations to manage the top level namespaces in MRN. This was followed by the guideline G1164 Management of MRN Organisation Identifiers, also developed by eNAV/DTEC committee:

1. MRN was originally introduced as a universal and interoperable identification concept for IP based communication and service platforms such as the Maritime Connectivity Platform.
2. The concept of MRN was adopted by IHO for the main identification mechanism for S-100.
3. MRN is suitable to integrate existing numbering schemes as used in the maritime world e.g. by IMO, ITU and others.

Therefore, the concept of MRN is universal, which is already used beyond the IALA domain of AtoN and VTS with global relevance addressing the domains of other national and international organizations.

It is important to further develop the concept of MRN to ensure interoperability of all the mentioned applications and future use cases. The description of DTEC Work Group 1 covers:

“[…] the new Digital Information System Working Group is aimed to continue the harmonization of e-navigation and recommendations and guidelines for digital information systems for e-navigation and other purposes; and, further harmonize the efforts with other […] working groups as well as with all IALA Committees in order to meet the stakeholders’ operational requirements.”

Following this, and due to the overarching relevance of MRN, DTEC is the committee to handle the core concepts of MRN and the procedures for management of OIDs and to give advice to other committees, secretariate and other organizations.

There are specific challenges for numbering schemes and interoperability for AtoN or VTS, which shall be handled by ARM and VTS committees. An example is a potential harmonized global database for AtoN as identified by the task group.

# ACTION REQUESTED

DTEC is kindly requesting PAP to:

* Evaluate the provided suggestion of DTEC committee and decide to move the ownership of the tasks for the further development of MRN and the Management of OID to DTEC.
* Proceed the work of the inter committee task group of DTEC, ARM and VTS on MRN.

**ANNEX B-3**

**TEMPLATES FOR INPUT GATHERING FROM IALA SUBCOMMITTEES**

Note: The work tasks are extracted from the published IALA Committee work programme 2023

2027 information at IALA website. Subcommittee are welcome to include additional tasks relevant

to the digitalization roadmap that are not listed in this template.

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| **Template for Input Gathering from ENG** | | | |
| **S/N** | **List of Task Titles**  *(Under Development)* | **Projected Timeline for Completion**  *(e.g. Mar 2025)* | **Remarks**  *(if any)* |
| 1 | [Update G1037 Data collection for AtoN performance calculation](https://www.iala-task-register.com/task?id=455) | April 2025 | Task 2.2.4 |
| 2 | Develop guidance on the provision of Marine AtoN for autonomous vehicle/vessel operations (Maritime Autonomous Surface Ship, MASS). |  | Task 1.2.3 |
| 3 | Training in implementation of digital solutions (data analytics & maritime informatics) |  | Task 5.1.2 |
| 4 | Update G1008 Remote control and monitoring of AtoN |  | Task 6.3.1 |
| 5 | Develop guidance on timing and synchronization |  | Task 3.1.1 |
| 6 | R-Mode development |  | Task 3.2.1 |
| 7 | Develop Guideline on High accuracy positioning systems |  | Task 3.3.2 |
| 8 | Retransmission of SBAS data via VDES |  | Task 3.3.3 |
| 9 | Develop and update S-200 PNT Product Specification |  | Task 7.1.1 |
| 10 | Harmonisation of IoT Protocol for Visual AtoN |  | Task 6.3.2 |
| 11 | Update G1037 Data collection for AtoN performance calculation | October 2025 | Task 2.2.4 |