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| From: DTEC | ARM20-6.2.10  (DTEC4-15.3.5) |
| To: ARM, VTS, ENG and PAP |  |

LIAISON NOTE

Discussion on Task to Develop a Discussion Paper on Digitalisation in the Scope of IALA

# introduction

DTEC began its work on Task 7.1.1, "Develop a Discussion Paper on Digitalization in the Scope of IALA" at DTEC3. The discussion paper will outline IALA's vision for digitalization in waterways and vessel traffic services. It will be a living document and updated to reflect advancements in digital technologies. The paper will define IALA's digitalization vision, detail IALA's role and approach, and present roadmaps for future digital technology development within IALA’s scope.

# Discussions

At DTEC4, the working group continued its work on the draft discussion paper and agreed on its preliminary content that includes:

* Section 1 Digitalisation in Sea Transportation and Vessel Traffic Services
* Section 2 IALA's Vision for Digitalisation in Waterways and Vessel Traffic Services
* Section 3 IALA Emerging Digital Technologies Development Roadmap

**Annex A** shows the descriptions for each section.

In recognition of the scope of this work, DTEC requests inputs for the following points:

* Suggestions on IALA’s Digitalisation Vision Statement
* Projected timelines for the digital-related tasks assigned to the respective committees (ARM, VTS and ENG) using the template in **Annex B**. IALA committees may include additional tasks relevant to the digitalization roadmap that are not reflected in the template .
* Comments on the content of the discussion paper

For visualization of the anticipated outcome of the roadmap development, members may refer to **Annex C**.

**ACTION REQUESTED**

DTEC requests:

* ARM, VTS, ENG and PAP to provide suggestions on IALA’s Digitalisation Vision Statement and provide comments on the discussion paper’s content by DTEC5.
* ARM, VTS, and ENG to provide, using the template provided **in Annex B**, projected timelines for the digital-related tasks assigned to them within the approved IALA work programme for the years 2023-2027 by DTEC5.

**ANNEX A**

A screenshot of a computer screen

AI-generated content may be incorrect.

**ANNEX B-1**

**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.

|  |  |  |  |
| --- | --- | --- | --- |
| **Template for Input Gathering from ARM** | | | |
| **S/N** | **List of Task Titles**  *(Under Development)* | **Projected Timeline for Completion**  *(e.g. Mar 2025)* | **Remarks**  *(if any)* |
| 1 | S-201 Aids to Navigation Information |  |  |
| 2 | S-210 Inter-VTS Exchange Format |  |  |
| 3 | S-211 Port Call Message Format |  |  |
| 4 | S-212 VTS Digital Service |  |  |
| 5 | S-240 DGNSS Station Almanac |  |  |
| 6 | S-245 eLoran ASF Data |  |  |
| 7 | S-230 Application Specific Message |  |  |
| 8 | S-246 eLoran Station Almanac |  |  |
| 9 | Develop guidance on the  provision of AtoN and risk  management for autonomous  vehicle/vessel operations(MASS) |  |  |
| 10 | Develop a Guideline for Risk  Assessment and Cyber Security |  |  |
| 11 | Develop Recommendation and  Guideline on the use of  Drones for AtoN inspection and  maintenance |  |  |
| 12 |  |  |  |
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**ANNEX B-2**

**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.

|  |  |  |  |
| --- | --- | --- | --- |
| **Template for Input Gathering from VTS** | | | |
| **S/N** | **List of Task Titles**  *(Under Development)* | **Projected Timeline for Completion**  *(e.g. Mar 2025)* | **Remarks**  *(if any)* |
| 1 | Guideline on the implications of MASS from a VTS perspective |  |  |
| 2 | Develop guidance on the certification of technical equipment, information systems and technical infrastructure related to MASS in the domain of IALA |  |  |
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| 15 |  |  |  |

**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.

|  |  |  |  |
| --- | --- | --- | --- |
| **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 |  |  |  |
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