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| From: ARM | DTEC5-6.2.2.3  (ARM20-11.1.1) |
| To: DTEC | April 2025 |

LIAISON NOTE

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

# INTRODUCTION

ARM thanks DTEC for the invitation to input into the discussion paper on `Digitalization in the Scope of IALA`.

This task has a large scope, additionally, priorities were already set for the ARM20 meeting, therefore it was not fulsomely reviewed during this committee meeting.

ARM looks forward to further discussion during PAP and hope to have other opportunities to input to this discussion paper.

# ACTION REQUESTED

ARM asks DTEC to note the following comments:

* Perhaps a clear definition of digitization would be helpful. The Annex B provided, lists the proposed guideline for the use of drones in AtoN maintenance. It is unclear how this is digitalization.
* We note, 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

Section 1 & 2 are influenced by multiple drivers and pressures outside of IALA remit or control, such as IMO and IHO. As these develop IALA should certainly make best efforts to determine requirements for users and competent authorities ahead of time.

Section 3, focus on the roadmap of emerging digital technologies, could perhaps be the main activity for this discussion paper at the moment, until further developments from the other organisations, i.e. IMO – MASS code

* Annex B also notes - Develop a Guideline for Risk Assessment and Cyber Security, please see **R1024 Cybersecurity for the IALA domain** as well as **G1182 Cybersecurity specifics from an IALA perspective** (June 2024)
* ARM has completed version 2.0.0 of the S-201 Aids to Navigation (AtoN) Information product specification that will go for Council approval in June 2025.
* Version 1.0.0 of the S-125 Maritime Navigational Service product specification is close to complete and will be submitted to IHO by mid-summer.
* The other S-200 products listed in Annex B are not under ARM remit.
* The draft recommendation on digitalization with consideration for various levels of autonomy (MASS) is being circulated to committees and will hopefully go for Council approval Dec of 2025. All other MASS work has been paused as decided at PAP56, until this recommendation is finalized.

### ARM has a related task 7.1.12 **Create S-200 Implementation Plan, following similar S-100 Implementation Strategy and/or Roadmap.**

* In terms of your request to gather input, many existing documents should be considered in this activity, in particular but not exclusive to those under **S1070 – Information Services**.