

**IALA COUNCIL
2nd Session**



**9-13 June 2025
Nice, France**

10 – TECHNICAL ACTIVITIES

10.5 – DTEC

10.5.1 – DTEC4 summary report

Note by the Secretariat

1. INTRODUCTION

The fourth session of the DTEC Committee was held from 24 March to 3 April 2025, chaired by Hideki Noguchi and vice-chaired by Dennis Khoo, with Alisa Nechyporuk serving as Secretary.

The physical week took place from 24 to 28 March at IALA Headquarters, followed by an approval period and a virtual closing plenary on 3 April.

143 participants from 28 countries and two Sister organisations attended DTEC4, with 35 participants attending for the first time.

2. SUMMARY OF THE WORK ITEMS

The Committee reviewed and updated its work programme for 2025–2027, achieving substantial progress across three Working Groups:

Working Group 1 – Digital Information Systems

- New draft Guideline on the Maritime Service Registry Technical Specification.
- Revised G1128 Ed1.7 Specification of e-Navigation Technical Services.
- Contributions to the standardization of Maritime Resource Names (MRN).
- Development of Product Specification for Disaster Management.
- Progress on MCP-related IALA documentation and SECOM OpenAPI topics.

Working Group 2 – Emerging Digital Technologies

- Progress on guidance for innovation implementation and digitalization of waterways.
- Development of the Maritime Communications Manual (MARCOM Manual).
- Contributed to IMT-2030 development by formulating Marine AtoN user requirements.
- Ongoing development of guidance related to autonomous vessels (MASS).
- Development of a discussion paper on digitalisation in IALA's scope.

Working Group 3 – Digital Communication Systems

- New draft Guidelines on VDES Authentication and VDES Signal Measurement.
- Updates to VDES resource sharing and coordination frameworks.
- Contributions to AIS/VDES system developments, including harmonized standards.

- Liaison work with ITU and IEC on VDES-related matters.
- Preparation of IALA input for WRC-27 and enhancement of VHF digital voice standards.

3. OUTCOMES OF THE COMMITTEE

The following draft documents have been prepared for Council approval:

- C02-10.5.2(DTEC4-15.2.5) Revised G1128 Ed1.7 on Specification of e-Navigation Technical Services.
- C02-10.5.3(DTEC4-15.2.4) New draft Guideline on Maritime Service Registry Technical Specification.
- C02-10.5.4(DTEC4-15.4.2) New draft Guideline on VDES Authentication.
- C02-10.5.5(DTEC4-15.4.3) New draft Guideline on VDES Signal Measurement.

The following liaison notes have been prepared for Council approval:

- C02-12.3.1(DTEC4-15.2.2), C02-12.3.2(DTEC4-15.2.3) Liaison notes to IEC regarding SECOM OpenAPI and S-421 schema.
- C02-12.4.1(DTEC4-15.4.1) Information paper to IMO MSC concerning VDES shore infrastructure.

4. THE COUNCIL IS REQUESTED TO

NOTE the information provided in this document.