

IALA COUNCIL
80th session



24-28 June 2024
Istanbul, Türkiye

10 – TECHNICAL ACTIVITIES

10.6 – DTEC

10.6.1 – DTEC2 summary report

Note by the Secretariat

1. INTRODUCTION

The second session of the Digital TEchnologies committee was held from 18 to 28 March 2024, chaired by Hideki Noguchi and vice-chaired by Jorge Arroyo. The technical officer for the meeting was Jaime Alvarez.

There were 124 registered participants, 39 for the first time, from 25 countries and 5 sister organisations.

This was the second meeting for the 2023-2027 Work Programme, and the Committee considered 59 input papers and produced 22 output papers.

2. SUMMARY OF THE WORK ITEMS

During this session, the Committee reviewed and updated the work programme, adjusting several tasks based on the Committee's capacity. The discussions in the Working Groups covered the following topics:

Working Group 1:

- Maritime Connectivity Platform specifications
- guidance on cyber security for Marine AtoN
- Product Specification for Disaster Management
- Maritime Resource Names (MRN)
- G1128 Specification of e-Navigation Technical Services
- Service Design for VTS Traffic Clearance
- Service Design for AtoN

Working Group 2:

- Review of Candidate Technologies
- Develop a Manual on Maritime Communications (MARCOM Manual)
- Contribute to the development of IMT-2030 by formulating user requirements for Marine AtoN
- Develop guidance on Digitalisation of Waterways
- developing guidance on Digital VHF communication
- Develop guidance on the provision of Marine AtoN for autonomous vehicle/vessel operations (MASS)

- Providing guidance on the process to implement developments of innovation
- Training on the implementation of digital solutions

Working Group 3:

- VDES Performance Standard
- MMS
- visualization of mobile AtoN information
- VDES shore infrastructure
- VDES ITU-R M.2092-1 clarifications
- VDES R-Mode
- VDES/AIS interference cancellation
- Guideline on VDES Authentication
- VDES resource sharing

3. OUTCOMES OF THE COMMITTEE

Four documents were prepared for the Council approval.

- C80-10.6.2 (DTEC2-12.2.1.6) Draft Guideline on the provision of MCP identities
- C80-10.6.3 (DTEC2-12.2.3.1) Review R1007 The VHF Data Exchange System (VDES) for Shore Infrastructure
- C80-10.6.4 (DTEC2-12.2.1.8) G1128 Specification of e-Navigation Technical Services
- C80-10.10.1 (DTEC2-12.2.1.11) Input paper to Council on Maritime Connectivity Platform

The following draft liaison notes have been prepared for Council approval:

- C80-12.3.2 (DTEC2-12.2.1.10) Liaison note to IEC on the request to use elements of IEC 63173-1 in IALA Documents
- C80-12.5.1 (DTEC2-12.2.2.1) Liaison note to 3GPP TSGs on the Update of IALA Task for Marine AtoN over IMT-2030
- C80-12.4.1 (DTEC2-12.2.2.3) Liaison note to IMO/ITU joint Experts Group on IALA Task for Marine AtoN over IMT-2030
- C80-12.6.1 (DTEC2-12.2.2.4) Liaison note to ITU-R SG5 on IALA Task for Marine AtoN over IMT-2030

4. THE COUNCIL IS REQUESTED TO

NOTE the information provided in this document.