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| From: DTEC Committee | ENG19-3.1.0.12  DTEC3-11.2.2.9 |
| To: ARM, VTS and ENG Committee(s) to PAP | 3rd October 2024 |

LIAISON NOTE

Draft Guideline on Digitalisation of Waterways

# INTRODUCTION

The DTEC committee has been working on a new guideline on Digitalisation of Waterways (Task DTEC-7.1.2). The guideline aims to introduce different aspects of waterway digitalisation including digitalisation maturity assessment, digital twins and digital services provided to vessels. The planned target date for finalization of the guideline is spring 2026.

The DTEC committee recognises that all IALA Committees are working with some aspects of digitalisation of waterways and understands that digitalisation is an extensive task and involves the development and maintenance of a wide variety of different but interconnected waterway and vessel traffic related information systems and calls for overarching information management.

The DTEC committee has drafted an early version of the Guideline on Digitalisation of Waterways to be reviewed by other technical committees and would welcome comments and feedback on the draft Guideline attached as annex to this liaison note.

# RELATED DOCUMENTS

DTEC-11.2.2.9.1 Draft IALA Guideline on Digitalization of Waterways

# ACTION REQUESTED

1. The ARM, VTS and ENG committees and PAP are kindly requested to provide feedback and comments on the early version of the new guideline on Digitalisation of Waterways to DTEC4.
2. DTEC would especially appreciate comments and feedback on:

* Digitalisation Maturity Model introduced in section 2.1.3 and its application to all waterway entities as described in section 2.1.3.4 and any planned adoption of digitalisation maturity models.
* Concept of digital model-shadow-twin introduced in section 3.1.1.
* New terminology introduced related to AtoNs interacting with MASS in section 7.4 and its subsections.