



## **10 – TECHNICAL ACTIVITIES**

### ***10.1 – Committee work organisation***

#### 10.1.1 – Committee work programme

Note by the Secretariat

### **1. INTRODUCTION**

The ARM, ENG, VTS, and DTEC Committees conducted further reviews of their work programmes at their latest sessions (ARM22, ENG22, VTS59, and DTEC6) following the baseline approved at Council 3.

Compared with the version submitted to Council 03 (C03-10.1.1.1), the revised Work Programme records the completion of a number of tasks, the activation of previously scheduled tasks, the introduction of two new tasks, and limited rescheduling where dependencies on external bodies (e.g. IMO, ITU and etc.) require it.

The updates remain aligned with the IALA Strategic Vision for 2025–2027 and reflect the growing needs in digitalisation, cybersecurity, service development, and support for emerging technologies such as autonomous vessels.

### **2. ONLINE WORK PROGRAMME**

Compared with the C03 version, the four Committees have refreshed their work programmes and task registers, recording new completions, activating previously dormant tasks, and introducing two new tasks under the ENG Committee.

#### **ARM**

- ARM further reviewed the 2025–2027 Work Programme at ARM22, recording progress across the Navigational Requirements, Information Services, Portrayal, and Risk Management domains. Compared with the version reported to C03, several tasks moved from Not started to On track, and additional tasks have been completed.
- Key updates included:
  - Splitting of Guideline G1143 (Unique Identifiers for Maritime Resources), with the underlying user-requirements task (ARM 6.3.4) now Finished and a related Guideline G1183 prepared.
  - Closure of the IHO coordination tasks ARM 7.1.5 (alignment of IALA Product Specifications with S-98) and ARM 7.1.9 (IALA representation in IHO HSSC, S-100WG, and NIPWG), both newly marked Finished.
  - Closure of ARM 1.4.5 (method to quantify and evaluate risk mitigation options), newly marked Finished.
  - Activation of previously dormant tasks: revision of G1054 (Preparing for an IMO Audit on AtoN Service Delivery, ARM 1.1.3), full review of G1078 (Use of AtoN in the Design of Fairways, ARM 1.2.3), AtoN for SIDS/LDC (ARM 2.2.5), and a new Model Course on AIS Data Management (ARM 5.1.4) — all now On track.

- Restructuring of MASS-related guidance: the former ARM 1.2.4 (covering both digital communications and MASS guidance) has been split, with the MASS guidance continued under ARM 1.2.4a (now ARM-led, On track) producing a new Guideline and Recommendation, and ARM 1.2.8 (MASS guidance) reactivated to On track.
- Rescheduling of the S-200 Implementation Plan task (ARM 7.1.12) from On track to Not started, as ARM is not the lead for individual S-2xx Product Specifications beyond S-201; this will be reconsidered for the 2027–2030 Work Programme.
- Rescheduling of ARM 1.5.1 (consolidation of G1030, G1035 and G1004) from On track to Delayed.

## ENG

- ENG further reviewed the 2025–2027 Work Programme at ENG22, advancing key work areas on AtoN engineering, radionavigation services, and heritage preservation. Compared with C03, two new tasks have been added, several PNT and SBAS tasks have been activated, and Racon-related tasks have been closed.
- Major updates included:
  - Two new tasks added since C03: AtoN for SIDS (ENG 2.2.9, in coordination with ARM 2.2.5) and eLoran Harmonisation (ENG 3.2.4), the latter to support the development of a baseline eLoran System Specification and a process for its controlled evolution.
  - Activation of new or revised guidance for SBAS within VDES/AIS (ENG 3.3.3), a new SBAS Recommendation (ENG 3.3.4), Terrestrial-based GNSS Precise Point Positioning (PPP, ENG 3.3.5), and updates to G1010 Racon Range Performance (ENG 3.4.5) — all moved from Not started (C03) to On track (C04).
  - Re-scoping of ENG 3.3.5 from a GNSS satellite-based PPP guideline (C03) to a Terrestrial-based PPP guideline (C04); the satellite-based PPP work is reflected under ENG 3.3.2.
  - Activation of S-200-series Product Specification work led by ENG: S-241 PNT Station Almanac (ENG 7.1.2) and PNT Grid Data (ENG 7.1.3), both moved from Not started (C03) to On track (C04).
  - Closure of two Racon tasks newly marked Finished: ENG 3.4.1 (eRacon/eRadar positioning, with remaining work transferred to tasks 3.4.3 and 3.4.5) and ENG 3.4.4 (update of Recommendation R0146 on Strategy for Maintaining Racon Service Capability, sent to Council for approval).
  - Re-scoping of ENG 2.1.4 from “Update R0112 Leading lights” (C03) to “Update R0112 and G1023 Regarding Leading Lines” (C04), consolidating the recommendation and the related guideline into a single deliverable.

## VTS

- VTS Committee further reviewed the 2025–2027 Work Programme at VTS59, with emphasis on regulatory guidance, digitalisation, and training improvements. Compared with C03, several VTS tasks have been closed (some through merger with related deliverables) and one task has been rescheduled pending IMO output.
- Key updates included:
  - Closure of regulatory and area-management tasks newly marked Finished: VTS 1.1.2 and 1.1.4 (compliance, enforcement and VTS area delineation, both consolidated into the revision of G1150), VTS 1.1.5 (policy and regulatory framework for competent authorities), and VTS 1.1.3.a/b (MASS implications from a VTS perspective).

- VTS 1.8.5 (safety of navigation around offshore installations) marked Finished, following Council approval of G1185 at Transition Council 3 in December 2024; VTS will coordinate with ARM WG-2 on the relationship to G1070.
- Re-scoping of VTS 1.2.1 from “digital route exchange within VTS operations (application of S-421)” (C03) to “digital communication services within VTS operations” (C04), with amendments to G1141 (Operational Procedures for Delivering VTS) and definition of dependencies between digital service use cases.
- Re-scoping of VTS 3.1.1 from guidance for dealing with stress or trauma in VTS operations (C03) to guidance on VTS Personnel Mental Health Management (C04), broadening the scope to systematic management, monitoring and protection of operators’ mental well-being.
- Activation of VTS 1.8.2 (joint NAVGUIDE review with ARM, ENG and DTEC), moved from Not started (C03) to On track (C04).
- Rescheduling of the review and update of IMO Resolution A.918(22) on Standard Marine Communication Phrases (VTS 1.3.2) from On track (C03) to Not started (C04), pending the corresponding output from IMO.
- Rescheduling of VTS 2.8.6 (Recommendation and Guideline on the use of Drones for AtoN inspection and maintenance) from On track (C03) to Delayed (C04).

## DTEC

- DTEC further reviewed the 2025–2027 Work Programme at DTEC6, reflecting major progress across digital information systems, emerging technologies, and maritime communications. Compared with C03, Guideline G1083 has been completed, work has shifted to a successor Guideline on Service Registries, and a new GNSS interference data task has been activated.
- Key updates included:
  - New task DTEC 6.2.2 — IMT-Family Application to Maritime Domain — progressing the implementation of IMT-2020/5G and IMT-2030/6G to the maritime domain in the context of the Services-Data-Connectivity (SDC) stack, with liaison to IMO/IMO-ITU Expert Group and to 3GPP via ETSI, and supporting the potential establishment of IALA’s role as a Market Representation Partner at 3GPP via ETSI.
  - Continuation of DTEC 6.2.1 contribution to the development of IMT-2030 by formulating user requirements for Marine AtoN, with input to 3GPP — On track.
  - Completion of Guideline G1083 on Digital Communications (DTEC 1.2.2) and follow-on work launched on a new Guideline on Service Registries, in liaison with ARM.
  - Activation of DTEC 3.1.3 on developing a Guideline for Exchanging GNSS Interference Data, moved from Not started (C03) to On track (C04), responding to growing concerns over GNSS interference and jamming.
  - Progress on VDES-related work, including authentication techniques (DTEC 6.3.4), resource sharing and coordination (DTEC 6.3.5), and the development of a new Guideline on Shore-based VDES Infrastructure (DTEC 6.3.10) — all On track.
  - Closure of DTEC 6.3.3 (Guideline for VDES VDL integrity monitoring), newly marked Finished.
  - Removal from DTEC 6.1.1 (R0144/G1095 ASM update) of the C03 remark proposing cancellation of S-230 work and reassignment to ARM; the task remains Not started in C04.

## 3. THE COUNCIL IS REQUESTED TO

**Approve** the revised Work Programme for the committees for 2025-2027, as outlined in document C04-10.1.1.1.