

IALA COUNCIL
3rd Session



8 - 12 December 2025
Mumbai, India

10 – TECHNICAL ACTIVITIES

10.5 – ENG

10.5.1 – ENG21 summary report

Note by the Secretariat

1. INTRODUCTION

The 21st meeting of the ENG Committee was held from 13 to 23 October 2025, chaired by Alwyn Williams with Michel Cousquer as Vice-Chair, and Alisa Nechyporuk serving as Secretary.

The physical meeting week took place from 13 to 17 October at the Headquarters of the Commissioners of Irish Lights in Dublin, Ireland, followed by an approval period and the virtual closing plenary on 23 October. A total of 88 participants from 28 countries attended ENG21, including 17 first-time participants and 18 online attendees.

2. SUMMARY OF THE WORK ITEMS

The Committee reviewed and updated its 2025–2027 work programme, achieving major developments across three Working Groups:

Working Group 1 – Visual and Physical AtoN

- Continued development of Guideline G1023 on the Design of Leading Lines and review of Recommendation R0112 and R0203(E200-3).
- Drafting of a new Guideline on the Measurement of Marine Lights Performance.
- Progress on the Guideline on Maintenance of Floating AtoN and G1066 Design of Floating AtoN Moorings, including new calculations and mooring design approaches.
- Initiation of updates to G1008 Remote Control and Monitoring of AtoN, integrating modern telemetry methods.
- Contribution to the AtoN for SIDS project through coordination with the ARM Committee.

Working Group 2 – Radionavigation Services

- Finalization of Recommendation R0101 Ed.3.0 Marine Radar Beacons (Racons) and Recommendation R0146 Ed.2.0 Strategy for Maintaining Racon Service Capability.
- Development of a Draft Guideline on Implementing and Maintaining a Racon System/Service (new task for 2027–2030 work programme).
- Progress on the Guideline on Implementation of MF and VDES R-Mode Systems, in coordination with DTEC and IMO NCSR.

- Advancement of Draft Guideline on GNSS Satellite-Based Precise Point Positioning (PPP) Services, and planning for a new Guideline on Ground-based GNSS Precise Positioning Services.
- Initiation of work on a Recommendation on SBAS Services and updates to G1180 on Resilient PNT, including new provisions for Galileo OSNMA.
- Preparation of S-241 Product Specification (PNT Station Almanac) under the S-200 series.
- Continued collaboration with IMO, ITU, and DTEC on R-Mode development and VDES-based SBAS retransmission.

Working Group 3 – Heritage and Culture

- Completion of Revised Guideline G1074 Branding and Marketing of Heritage Lighthouses.
- Completion of Revised Guideline G1063 Partnership Agreements for Complementary Use of Lighthouse Property.
- Ongoing revision of Guidelines G1080 and G1075 and work on modernising heritage lighthouses while preserving historical integrity.
- Enhancement of the IALA Heritage webpage, continued management of the Lighthouse of the Year accolade, and development of a Heritage Module for the IALA Level 1.1 AtoN Manager Course.

3. OUTCOMES OF THE COMMITTEE

The following draft documents have been prepared for Council approval:

- C03-10.5.2 (ENG21-9.2.2.2) Revised Recommendation R0146 Ed.2.0 Strategy for Maintaining Racon Service Capability.
- C03-10.5.3 (ENG21-9.2.2.1) Revised Recommendation R0101 Ed.3.0 Marine Radar Beacons (Racons).
- C03-10.5.4 (ENG21-9.2.3.3) Revised Guideline G1074 Branding and Marketing of Heritage Lighthouses.
- C03-14.3.1 (ENG21-9.2.3.1) Change proposal on the selection process of the Heritage lighthouses

4. THE COUNCIL IS REQUESTED TO

NOTE the information provided in this document.