

TRANSITION COUNCIL
3rd session



10-13 December 2024
Headquarters, France

10 – TECHNICAL ACTIVITIES

10.4 – ENG

10.4.1 – ENG19 summary report

Note by the Secretariat

1. INTRODUCTION

The 19th session of the ENG Committee was held from 21 to 31 October 2024, with an in-person week in Sydney, Australia, from 21 to 25 October. Alwyn Williams chaired the session, with Michel Cousquer as vice-chair, and Alisa Nechyporuk serving as Secretary.

The ENG workshop was held back-to-back with the AtoN Engineering Workshop, and the chair extended special thanks to AMSA for hosting both events.

A total of 85 participants from 30 countries and three observers attended ENG19, with 13 joining online and 5 attending for the first time.

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:

- Update R0112 on leading lights
- Update R0203 (E200-3) on the definition of marine signal lights
- Update G1037 Data collection for AtoN performance calculation
- Update G1077 Maintenance of AtoN
- amalgamating the Guidelines on Hot climates, Polar climates, and extreme climates
- Creating an overview guidance on maintenance of floating AtoN
- Update Recommendation R0107 (E-107) Moorings for floating AtoN
- Update G1066 Design of floating AtoN moorings
- Update G1008 Remote control and monitoring of AtoN

Working Group 2:

- Develop guidance on timing and synchronization
- R-Mode development
- Augmentation systems
- High accuracy positioning systems

- Radar@enhanced Racon positioning
- PNT technology review
- S-200 PNT

Working Group 3 :

- Maintaining the Heritage webpage on the IALA website
- Guidance on good practice in modernising heritage lighthouses whilst minimising negative heritage impact
- Manage the process for the IALA HLY accolade
- Write the Heritage module for the WWA L1.1 AtoN Manager course
- Review G1080 Ed.1 The Selection and Display of Heritage Artefacts
- Review G1093 Ed.1 The Management of Surplus Lighthouse Property
- Review G1063 Agreements for Complementary use of Lighthouses
- Review G1074 Ed.1 Branding and Marketing of Historic Lighthouses
- Revise G1075 Ed.1 A Business Plan for the complementary use of a Historic Lighthouse
- The IALA Heritage Lighthouse of the Year 2025

3. OUTCOMES OF THE COMMITTEE

The following draft document has been prepared for Council approval:

- TC03-12.4.2 (ENG19-9.2.1.7) Revised G1077 Developing a Maintenance Strategy for Aids to Navigation
- TC03-12.4.3 (ENG19-9.2.2.6) Draft Guideline G1158 VDES-R mode
- TC03-12.4.4 (ENG19-9.2.1.8) Revised Guideline G1175 Operation and management AtoN in extreme conditions
- TC03-12.4.5 (ENG19-9.2.1.6) New draft Guideline on Overview of a Floating AtoN
- TC03-12.4.6 (ENG19-9.2.2.1) New draft Guideline on Medium Frequency R-Mode signal structure and navigation message
- TC03-12.10.1 (ENG19-9.2.1.9) Input to Council on CIE Research Group on Cone Fundamentals
- TC03-14.4.1 Heritage lighthouse of the year 2025

The following draft liaison note has been prepared for Council approval:

- TC03-12.3.1 (ENG19-9.2.2.2) Liaison note to IMO NSCR on the Development of procedures and requirements for the recognition of augmentation systems in the WWRNS
- TC03-12.3.5 (ENG19-9.2.2.3) Liaison note to IMO NSCR on Enhanced Radar Positioning Systems

4. THE COUNCIL IS REQUESTED TO

NOTE the information provided in this document.