

IALA COUNCIL
79th session



11-14 December 2023
IALA Headquarters

10 – TECHNICAL ACTIVITIES

10.4 – ENG

10.4.1 – ENG17 summary report

Note by the Secretariat

1. INTRODUCTION

The 17th meeting of the ENG Committee (ENG17) was held from 16 to 27 October 2023, chaired by Alwyn Williams and vice-chaired by Michel Cousquer. The Secretary for the meeting was Jaime Alvarez.

The session was attended by 112 registered participants from 32 countries. 27 participants attended for the first time. Working in three working groups, the Committee considered 63 inputs and produced 6 output documents.

The overall status of the committee has been annexed to this document.

2. OUTPUTS

One draft Guideline has been finalised for the Council approval.

- C79-10.4.2 (ENG17-13.2.1) New draft guideline on Resilient PNT

One input on the commendation of IALA heritage lighthouse of the year 2024 has been prepared for the Council to determine.

- C79-14.4.1 (ENG17-13.3.1) Heritage lighthouse of the year 2024

3. HERITAGE LIGHTHOUSE OF THE YEAR 2024

As regards the heritage lighthouse of the year 2024, ENG shortlisted the following 3 nominations;

- Faro di Genova 'Lanterna', Italy
- Hook Head Lighthouse, Ireland
- Lizard Lighthouse, England

And, ENG commend Faro di Genova 'Lanterna' to IALA Council as the lighthouse it considers should be IALA Heritage Lighthouse of the Year 2023. Please refer to C79- 10.4.3 Heritage lighthouse of the year 2024.

4. THE COUNCIL IS REQUESTED TO

NOTE the information provided in this document.

Annex - Overall status of the ENG Committee 2023-2027 Work Programme after ENG17:

| Task | | Start Session | Planned End Session | Revised End Session | Progress Indicator | | | Status Overview |
|--------------------------------|--|---------------|---------------------|---------------------|--------------------|--------|-----|-----------------|
| | | | | | Green | Yellow | Red | |
| S1010 Marine AtoN | | | | | | | | |
| 1.1.1 | Compile new Guideline on AtoN Buoy Tender requirements and specification | 17 | | | | | | On going |
| 1.1.2 | Review relevant sections of NAVGUIDE in cooperation with the Secretariat | 17 | | | | | | On going |
| 1.1.3 | Develop guidance on the provision of Marine AtoN for autonomous vehicle/vessel operations (MASS). | 17 | | | | | | On going |
| 1.2.1 | Consider developing guidance on the certification of technical equipment, information systems and technical infrastructure related to MASS in the domain of IALA | 17 | | | | | | On going |
| 1.2.2 | Develop guidance on cyber security for Marine AtoN | 17 | | | | | | On going |
| S1020 AtoN design and delivery | | | | | | | | |
| 2.1.1 | Update G1043 Light sources used in visual AtoN | 17 | | | | | | On going |
| 2.1.2 | Update G1048 LED technologies and their use in signal lights | 17 | | | | | | On going |
| 2.1.3 | Develop guideline on Port Traffic Signals | 17 | | | | | | On going |
| 2.1.4 | Update R0112 Leading lights | 17 | | | | | | On going |
| 2.1.5 | Update G1061 Light application illumination of structures | 17 | | | | | | On going |
| 2.1.6 | Update R0203(E200-3) | 17 | | | | | | On going |
| 2.1.7 | Develop Guidance on monitoring of function and degradation of AtoN light sources | 17 | | | | | | On going |
| 2.1.8 | Update G1041 Sector Lights | 17 | | | | | | On going |
| 2.2.1 | Update G1037 Data collection for AtoN performance calculation | 17 | | | | | | On going |
| 2.2.2 | Update G1077 Maintenance of AtoN | 17 | | | | | | On going |
| 2.2.3 | Develop Guideline on complimentary use of AtoN | 17 | | | | | | On going |
| 2.2.4 | Update and Amalgamate the Guidelines G1108 and G1136 | 17 | | | | | | On going |
| 2.5.1 | Update G1064 Integrated power system lanterns (Solar LED lanterns) | 17 | | | | | | On going |
| 2.2.5 | Full review of A-126, G1084 and other AIS associated documentation | 17 | | | | | | On going |
| 2.3.1 | Develop guidance quantifying floating AtoN characteristics | 17 | | | | | | On going |
| 2.3.2 | Creating an overview guidance on floating AtoN | 17 | | | | | | On going |

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|---|---------------|---------------------|---------------------|--------------------|--------|-----|-----------------|
| | | | | Green | Yellow | Red | |
| 2.3.3 Update Recommendation R0107 (E-107) Moorings for floating AtoN | 17 | | | | | | On going |
| 2.3.4 Update G1066 Design of floating AtoN moorings | 17 | | | | | | On going |
| 2.4.1 Review and update as necessary G1036, the Green Guide | 17 | | | | | | On going |
| 2.4.2 Guidance on through life environmental impact | 17 | | | | | | On going |
| 2.6.1 Maintain the Heritage web page on the IALA website | 17 | | | | | | On going |
| 2.6.2 Develop Guidance on modern equipment in traditional lighthouses | 17 | | | | | | On going |
| 2.6.3 Heritage Lighthouse of the Year award | 17 | | | | | | On going |
| 2.6.4 Write the Heritage lecture for the WWA L1.1 AtoN Manager course | 17 | | | | | | On going |
| 2.6.5 Review of documents pertinent to heritage reviewed | 17 | | | | | | On going |
| 2.6.6 Update G1063 ENG Dec 2008 Agreement for complementary use of lighthouse property. What should the agreement contain and safety aspect of the agreement including examples of few countries. | 17 | | | | | | On going |
| 2.6.7 Review Guidelines 1074, 1075 on Branding, and Business plans for content and relevance. | 17 | | | | | | On going |
| S1030 Radionavigation services | | | | | | | |
| 3.5.1 Develop Guidance on timing and synchronization | 17 | | | | | | On going |
| 3.5.2 Review and updates of documents related to the PNT topics. | 17 | | | | | | On going |
| 3.5.3 PNT technology review | 17 | | | | | | On going |
| 3.5.4 Review the WWRNP | 17 | | | | | | On going |
| 3.5.5 Develop the Liaison note with sister organisations | 17 | | | | | | On going |
| 3.1.1 Finalise the resilient PNT guideline | 17 | | | | | | On going |
| 3.2.1 Develop the Guideline on R-Mode (MF) | 17 | | | | | | On going |
| 3.2.2 Develop the Recommendation and Guideline on R-Mode implementation (MF & VDES) | 17 | | | | | | On going |
| 3.2.3 Develop the Recommendation for the Coordination for Group Repetition Intervals (GRI) | 17 | | | | | | On going |
| 3.3.1 Review the Radar & Enhanced Racon positioning Guideline | 17 | | | | | | On going |

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| | | | | Green | Yellow | Red | |
| 3.4.1 Monitoring DGNSS developments, both SBAS and marine Radiobeacon and update IALA documents as necessary and Complete (Future of) DGNSS Guideline | 17 | | | | | | On going |
| 3.4.2 Develop Guideline on how to implement SBAS within VDES(ASM-VDE)/AIS | 17 | | | | | | On going |
| 3.4.3 Develop Guideline on new systems related to High accuracy positioning systems | 17 | | | | | | On going |
| S1050 Training and certification | | | | | | | |
| 5.1.1 Review and update of the WWA Lesson plans as requested by the Academy | 17 | | | | | | On going |
| 5.1.2 Training in implementation of digital solutions (data analytics & maritime informatics) | 17 | | | | | | On going |
| S1060 Digital communication technologies | | | | | | | |
| 6.3.1 Review and update G1008 Remote control and monitoring of AtoN | 17 | | | | | | On going |
| S1070 Information Services | | | | | | | |
| 7.1.x Develop product specifications Review and maintain S-24x product specifications. Development of DGNSS and R-Mode product specifications | 17 | | | | | | On going |

Legend:

Green – progress as planned

Yellow – task needs more time, target time prolonged

Red – very little progress on the task, target time prolonged

Grey – task completed / deleted

Blank – task not started