 ENG17-2.1.1

Input paper for the following Committee(s): check as appropriate Purpose of paper:

**□** ARM **X** ENG **□** PAP **X** Input

**□** ENAV **□** VTS **□** Information

Agenda item [[1]](#footnote-2) 2

Technical Domain / Task Number …………………………………

Author(s) / Submitter(s) IALA Secretariat

Action Items from ENG16

Action Items

The action items listed below are extracted from the report of ENG16.

Action Items for Secretariat

1. The **Secretariat** is requested to send the Draft Recommendation on Definitions of Marine Signal Lights Terms of Measurement (ENG16-12.1.1) to Council for approval. The ENG Committee request that should the recommendation be approved that it be an Informative recommendation until such time that the accompanying guideline is complete. 24
2. The **Secretariat** is requested to add the following definitions in the recommendation to the IALA Dictionary: Vertical Divergence, Horizontal Divergence, Specification Peak Intensity, Flash Duration, Sector Colour Boundary, Sector Intensity Boundary, Sector Width, Sector Boundary, Sector of Uncertainty. 24
3. The **Secretariat** is requested to forward the working paper on the Guideline on Optical Performance and Calculation (ENG16-12.1.2) to ENG17. 24
4. The **Secretariat** is requested to forward The Status of Distribution for the AtoN Integrated Management System in Korea (ENG16-3.1.2.2) to ENG 17 as Input paper for Task Update G1008 May 2009 Remote control and monitoring of AtoN 25
5. The **Secretariat** is requested to forward Model Course Level 2\_Module12 (ENG16-3.1.2.5), the Annex module 12 Marking of waterways and fairways (ENG16-3.1.2.5.1), the Suggestions on Training the Maintainer of AtoN for Bridge (ENG16-3.1.2.5.1) and Qualification and Basic Knowledge Course for Light Keepers (ENG16-3.1.2.5.1) to WWA and to ENG17. 25
6. The **Secretariat** is requested to forward Liaison Note on the proposal for a new guideline on buoy tender crew operation to ARM. 25
7. The **Secretariat** is requested to forward ENG16-3.1.2.6 (Use of modern equipment in traditional lighthouses.doc) to ENG17 25
8. The **Secretariat** is requested to forward ENG16-3.1.2.9 (Application of 5G technology in tidal current data collection and display in Ningbo Zhoushan Port.doc) to ENG17 26
9. The **Secretariat** is requested to forward the draft Guideline on Extreme Environmental Conditions (ENG16-2.3.1) document to the Council for approval 26
10. The **Secretariat** is requested to forward the draft working paper Guideline on Quantifying characteristics to meet nautical and operational requirements and ways to verify them as a working document to ENG17 Committee meeting. 26
11. The **Secretariat** is requested to send Liaison Note to ARM (ENG16-12.2.3) on quantifying characteristics to meet nautical and operational requirements and ways to verify them. 26
12. The **Secretariat** is requested to forward the draft Guideline on Radar reflectors (ENG16-12.2.1) to council for approval. 27
13. The **Secretariat** is requested to forward liaison note ENG16-12.3.5 “VDES R-Mode implementation” to the ENAV Committee. 28
14. The **Secretariat** is requested to add the S-245 (ED 1.0.0) into S-200 product specification testbed (ENG16-12.3.3). 28
15. The **Secretariat** is requested to work with international colleagues to finalise the paper on SBAS-ARAIM IMO Minimum Performance Standard (ENG16-12.3.4) and to seek Council approval when appropriate. 29
16. The **Secretariat** is requested to forward liaison note ENG16-12.3.2 for RTCM “Multi-GNSS Corrections and R-Mode messages” to Council for approval. As this is in response to comments from C75, Council is invited to consider this out of session. 29
17. The **Secretariat** is requested to forward ENG16-12.3.1.1 “IALA input to IMO/ITU Expert group on VDES R-Mode” to the IMO following Council approval by correspondence, considering the deadline of the meeting. 30
18. The **Secretariat** is requested to seek a presentation slot at joint IMO/ITU Expert group meeting in December to provide an update on VDES R-Mode. 30
19. The **Secretariat** is requested to forward liaison note ENG16-12.3.8 “Liaison Note to ARM on Cyber Security” to the ARM Committee. 30
20. The **Secretariat** is requested to forward liaison note ENG16-12.3.7 “Liaison note to ARM on Maritime Services” to the ARM Committee. 30
21. The **Secretariat** is requested to forward liaison note ENG16-12.3.6 “Liaison note to ENAV on New Technology Review” to the ENAV Committee. 30
22. The **Secretariat** is requested to send to the Council the commendation of ENG16 as Heritage Lighthouse of the Year 2023 at Council 76 in December 2022. 35
23. The **Secretariat** is requested to organise a formal presentation of the IALA HLY award to the recipient at a suitable event to which the recipient is in attendance. 35
24. The **Secretariat** is requested to send an e-bulletin out in August 2023 reminding members of the opportunity to nominate lighthouses for IALA HLY and of the 30th September deadline for doing so to ensure consideration for the 2024 award. 36
25. That **Committee participants** are requested to raise awareness of the IALA HLY award in their respective organisations and to submit nominations for lighthouses they consider to have heritage or cultural value. 36
26. The **Secretariat** is requested to consider the best way to promote the profile of IALA HLY based upon a draft that will be provided to them by WG4 to IMO and other related organisations. 36
27. The **Secretariat** is requested to assist the editing team with the IALA Heritage website editing as required. 36
28. The **Secretariat** is requested to notify member organisations via the e-bulletin of the details of celebrations in 2023 for the 200th anniversary of Fresnel’s work on lenses at Cordouan lighthouse scheduled immediately prior to or after ENG17 - should they be confirmed to and communicated to IALA Secretariat. 37
29. The **Secretariat** is requested to forward the summary of the ENG15 Committee report (ENG16-14.1) to Council to note. 38

Action Items for Participants

1. [**Lingyan Wang** and **Frank Hermann** are requested to submit an input paper to ENG17 on the Draft Guideline to support R0203. 24](#_Toc117698863)
2. [**China MSA** is encouraged to prepare a presentation for ENG17 opening plenary on input paper ENG16-3.1.2.13 (Tidal current chart drawing test by using multi-functional buoy in Shanghai port.docx) AtoN equipment and structures exposed to extreme environmental conditions (Task 2.3.1.) 26](#_Toc117698864)
3. [That **Committee participants** are requested to think about any potential missing sections or content and to provide pictures. 26](#_Toc117698865)
4. [That **Committee participants** interested in supporting the development of the resilient PNT Guideline between sessions are invited to contact the task leader Kaisu Heikonen (Kaisu.Heikonen@vayla.fi) 27](#_Toc117698866)
5. [That **Committee participants** interested in supporting the development of the R-Mode Guideline between sessions are invited to contact the task leader Stefan Gewies (Stefan.Gewies@DLR.de) 28](#_Toc117698867)
6. [That **Committee participants** are requested to encourage participation in the Heritage Seminar in Rio de Janeiro 2023 – both amongst those already planning to partake in the 20th IALA Conference and also amongst those with a particular interest in lighthouse heritage, culture and sustainability. 31](#_Toc117698868)
7. [The **Korea Institute of Aids to Navigation** is requested to expedite design and production of the plaque for IALA HLY, taking into account the suggested changes made at ENG WG4 and then to re-circulate the design for further review by ENG16 WG4 participants. 31](#_Toc117698869)
8. [The **Korea Institute of Aids to Navigation** is requested to send the IALA HLY plaque to IALA Headquarters by end of April 2023. 32](#_Toc117698870)
9. [**Yonghun CHO (Ministry of Oceans and Fisheries of Korea)** is requested to submit an article on Homigot Lighthouse and the celebration of HLY 2022 for IALA e-Bulletin. 32](#_Toc117698871)
10. [That **Committee participants** are requested to raise awareness of the IALA HLY award in their respective organisations and to submit nominations for lighthouses they consider to have heritage or cultural value. 36](#_Toc117698872)
11. [**Gillian Burns (NLB) and Songyi KIM (Korea Institute of Aids to Navigation)** are requested (subject to required training) to continue to ensure that the IALA Heritage website is up-to-date, accurate and complete, directly undertaking editorial changes and liaising with IALA Secretariat and with Peter Hill (WG4 Chair) as necessary. 36](#_Toc117698873)
12. [That **Committee participants** are requested to consider taking part in celebrations in 2023 for the 200th anniversary of Fresnel’s work on lenses at Cordouan lighthouse scheduled immediately prior to or after ENG17. 36](#_Toc117698874)

1. Leave open if uncertain [↑](#footnote-ref-2)