Input paper: [[1]](#footnote-1) ENAV18-2.1

ENAV20-2.1 (20160926)

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

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

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

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

Technical Domain / Task Number 2 …………………………………

Author(s) / Submitter(s) IALA Secretariat

ACTION ITEMS FROM ENAV19

**Action Items for the IALA Secretariat**

1. The Secretariat is requested to add a disclaimer to each testbed section top and bottom on the IALA website to indicate that IALA is not responsible for the content of the testbed information. 7

2. The Secretariat is requested to progress establishment of an IALA website facility through which neighbouring DGNSS service providers can make contact regarding their planned maintenance periods. 7

3. The Secretariat is requested to set up a testbed discussion forum in accordance with ENAV18 action 24. 7

4. The Secretariat was requested to reinstate the website feature on the Committee papers page whereby clicking on top of the date column sorts all papers into upload date order, with the most recently updated at the top. 8

5. The Secretariat was requested to upload paper ENAV19-4.4, DNV GL Strategic Research & Innovation Position Paper 04-2015 - Ship Connectivity tcm8-56026, to the IALA Wiki. 8

6. The Secretariat is requested to follow up regarding possible patent issues in relation to R-Mode and AIS Class B carrier sense and report back to ENAV20. 9

7. The Secretariat is requested to arrange for depopulation of testbed information on e-navigation.net. 10

8. The IALA Secretariat is requested to forward output papers ENAV19-14.1.13 and ENAV19-14.1.14 to the ARM Committee and the PAP. 12

9. The IALA Secretariat is requested to submit ENAV19-9.6 as an input document to ENAV20. 12

10. The IALA Secretariat is requested to forward papers ENAV19-14.1.7 and ENAV19-14.1.8 to ENAV20. 13

11. The IALA Secretariat is requested to consider how IALA Committees can best interact with the HGDM, taking into account the needs of all IALA Committees as well as time constraints. 13

12. The IALA Secretariat is requested to consider ENAV19-14.1.9 in relation to the response to the IHO regarding the HGDM. 13

13. The Secretariat is requested to forward paper ENAV19-14.1.6 with new entries for terms and definitions to the Dictionary Working Group (DWG) of the IALA Policy Advisory Panel (PAP) for inclusion in the IALA Dictionary. 14

14. The Secretariat is requested to appoint Sewoong Oh from KRISO as an IALA representative to attend the March 2017 meeting of S100WG of IHO in order to explain the need and role of streamable data in context S100. 14

15. The IALA Secretariat is requested to arrange for the legal disclaimer in para 10.2 of the Committee report to be agreed by the Chair of LAP (Jon Price) and implemented on the testbeds section of the IALA website. 16

16. The IALA Secretariat is requested to investigate (with Redwire) what usage statistics (e.g. number of hits to the landing page, the duration on the pages visited) are available. Additionally, if possible, the Secretariat should generate a set of usage statistics in time for ENAV 20 (March 2017). 16

17. The IALA Secretariat is requested conduct a final editorial check on ENAV19-14.1.1 (Guideline No 1107 Guideline on planning testbeds and reporting of testbed results Edition 2.0) and post the guideline to the IALA website. 16

18. The IALA Secretariat is requested to seek IALA Council approval of the draft information paper to IMO NCSR 4 (ENAV19-14.1.2). This approval, to be sought either out of session or at Council 63 as appropriate, should be in sufficient time to meet the IMO submission deadline for such papers – 30 December 2016. 16

19. The IALA Secretariat is requested to forward an accompanying introductory note (ENAV19-14.1.3) to the IALA Council, which provides background to the draft information paper to IMO NCSR4 (ENAV19-14.1.2). 16

20. The IALA Secretariat is requested to forward ENAV19-14.1.23 (Liaison note re e-navigation roadmap) to the VTS Committee. 17

21. The IALA Secretariat is requested to forward ENAV19-14.1.4 (Liaison note on the Road Map for e-Navigation) to the PAP. 17

22. The IALA Secretariat is requested to forward the ENAV19-14.1.5 (IALA e-Navigation road map) to PAP for information and discussion. 17

23. The IALA Secretariat is requested to forward ENAV19-10.1 (editorial comments from the ENG Committee on the NAVGUIDE) to ENAV20. 17

24. The IALA Secretariat is requested to forward ENAV19-14.2.7 (Draft table of contents for revised Chapter 4 of the NAVGUIDE) to ENAV20. 17

25. The IALA Secretariat is requested to forward ENAV19-14.1.11 (liaison and VDE-SAT Report), to Council for urgent approval by the IALA Council by correspondence and, in the event of approval, forward it to the ITU WP 5B meeting by the deadline of 28 October 2016. 18

26. The IALA Secretariat is requested to forward ENAV19-14.1.19 Guideline on VDES Overview to Council for approval. 19

27. The IALA Secretariat is requested to post ENAV19-14.1.20 FAQ on VDES to the e-navigation section of the IALA website when approved by Council. 19

28. The IALA Secretariat is requested to consider providing ENAV19-14.1.19 and Council introduction to ENAV19-14.1.19 to the IMO and other organisations, subject to Council approval. 19

29. The IALA Secretariat is requested to withdraw Guideline 1028 and 1029 from the IALA website. 19

30. The IALA Secretariat is requested to submit ENAV19-14.1.22 to Council for approval by correspondence and forward to ITU WP 5B by the due deadline of 28 October 2016. 20

31. The Secretariat to forward the liaison note to IHO regarding the result of workshop on Shore-based Maritime Services and status of development of the Guideline on MSP (ENAV 19-14.1.21) to Council for approval. 22

32. The Secretariat to forward the liaison note to IHO Secretariat for HSSC regarding the result of the workshop on Shore-based Maritime Services and status of development of the Guideline on MSP (ENAV19-14.1.21) to IHO together with ENAV19-14.2.9. 22

33. The Secretariat to forward the draft Guidelines ENAV19-14.2.9 to ENAV 20. 23

34. The IALA Secretariat is requested to forward working documents ENAV19-14.2.5, Draft eLoran recommendation on eLoran Service Provision, and ENAV19-14.2.6, Draft Guideline on eLoran service provision, to ENAV20. 23

35. IALA Secretariat is requested to forward ENAV19-14.2.8, Draft Recommendation on PNT relevant services, to ENAV20. 24

36. IALA Secretariat is requested to forward “ENAV19-14.2.3 – Draft Guideline on systems and services for high accuracy positioning and ranging”, to ENAV20. 24

37. IALA Secretariat is requested to forward working paper ENAV19-14.2.4 Draft SBAS Guideline as an input paper to ENAV20. 24

38. The IALA Secretariat is requested to submit ENAV19-14.1.15 (Draft Guideline on DGNSS coverage prediction) to Council for approval. 25

39. IALA Secretariat is requested to forward ENAV19-14.1.17 Proposal to DWG re new Dictionary terms to the DWG. 25

40. The Secretariat is requested to implement comments on Guideline 1112. 25

41. The IALA Secretariat (DSG) is requested to progress the issue of a patent in relation to R-Mode AIS issued to True Heading. 26

42. The IALA Secretariat is requested to forward paper ENAV19-14.1.10 Draft Guideline on R-mode - aims, technical approach and current status to ENAV20. 26

43. The IALA Secretariat is requested to forward ENAV19-14.1.16, Draft Recommendation on DGNSS provision, upgrades and future use, to Council for approval. 26

44. The Secretariat is requested to forward the report of ENAV19 (ENAV19-16.1) to the Council, to note. 27

**Action Items for ENAV Members**

45. Hideki Noguchi is requested to provide Bulletin articles on ENAV19 and patents. 10

46. Thomas Christensen is requested to coordinate intersessional work on Maritime Resource Naming (MRN) with the aim of the IALA Secretariat submitting an application for an IALA MRN URN Domain Name to the Internet Engineering Task Force. 12

47. Committee Members are requested to provide change suggestions regarding ENAV19-14.1.7 and ENAV19-14.1.8 to ENAV20. 13

48. Fred Pot is requested to coordinate intersessional work on data exchange for ship reporting in relation to MSP development and provide input to ENAV20. 13

49. The Maritime Cloud Development Forum (MCDF) is requested to provide an updated version of the Maritime Cloud Service Registry to ENAV20. 14

50. The MCDF is invited to draw up a roadmap to identify which partitions of the Maritime Cloud are appropriate to which international bodies and provide as input to ENAV20. 14

51. Axel Hahn is requested to submit a conceptual description of a generic maritime architecture framework to ENAV20. 14

52. Members are invited to review the Draft table of contents for revised Chapter 4 of the IALA NAVGUIDE 2018 Edition, ENAV19-14.2.8 and provide input to section 6, Maritime Digital Infrastructure, assigned to WG1 for ENAV20 15

53. Working Group Chairs are requested to comment on the proposed table of contents in ENAV19-14.2.7 (Draft table of contents for revised Chapter 4 of the NAVGUIDE), commence drafting substantial text for their respective sections and submit mature text to ENAV 20. 17

54. Members of WG3 are requested to provide input to ENAV20 regarding WD ITU-R M.2092. 19

55. Stefan Bober and Alan Grant are requested to draft an input paper for ENAV20, outlining the requirement for a liaison statement to ITU and requesting station ID’s for SBAS stations. 20

56. Committee members are requested to note the proposed new work item for IMO on revision of the AIS Performance Standards and liaise with J Arroyo [cgnav@uscg.mil] regarding possible co-sponsorship. 20

57. The Chairs of the ENAV and ARM Committees are requested to agree the content of ENAV19-14.1.12 prior to submission to Council. 21

58. Committee members are encouraged to further develop the list of attributes in ENAV 19-12.1 with reference to the CMDS and submit to ENAV-20. 22

59. The chairs of WG1 and WG4 are requested to forward the results on the discussion on paper ENAV19-12.6 to the Secretariat. 23

60. Committee Members are encouraged to submit comments on the draft working paper ENAV19-14.2.9 to ENAV 20. 23

61. All Committee members are invited to review the draft eLoran Guideline (ENAV19-14.2.6) and draft eLoran Recommendation (ENAV19-14.2.5) before ENAV20. Any comments should be provided to Prof Jiwon Seo (jiwon.seo@yonsei.ac.kr) by 1st February 2017. 23

62. The draft Guideline on systems and Services for High Accuracy Positioning and Ranging will be updated between sessions via email. Committee members interested in contributing to this update are invited to contact Thoralf Noack (thoralf.noack@dlr.de). 24

63. The draft Guideline on SBAS (ENAV19-14.2.4) will be updated intersessionally via email. Committee members interested in contributing to this update are invited to contact Manuel Lopez Martinez (Manuel.LOPEZMARTINEZ@gsa.europa.eu). 24

64. Alan Grant is requested to invite IALA support for the PNT Guideline under development by an IMO Correspondence Group. 25

65. Committee members are requested to submit inputs on ENAV19-14.1.10, Draft Guideline on R-mode - aims, technical approach and current status, to Alan Grant for coordination of input to ENAV20. 26

66. Committee participants are requested to advise any corrections / amendments to the draft ENAV18 report, paper ENAV19-16.1 post plenary, by 30 September 2016. 27

1. Input document number, to be assigned by the Committee Secretary [↑](#footnote-ref-1)
2. Leave open if uncertain [↑](#footnote-ref-2)