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

ENAV21-2.1 (20170327)

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 ENAV20

**Action Items for the IALA Secretariat**

1. The IALA Secretariat is requested to complete ENAV19 actions 27 and 28. 7

2. The IALA Secretariat is requested to post ENAV19-14.1.20 FAQ on VDES to the e-navigation section of the IALA website. 7

3. The IALA Secretariat is requested to provide ENAV19-14.1.19 and Council introduction to ENAV19-14.1.19 to the IHO, IEC, CIRM, RTCM, IMPA and IHMA. 7

4. The Secretariat is requested to forward paper ENAV20-4.9 to the VTS Committee. 9

5. The Secretariat is requested to forward ENAV20-12.2 to the VTS Committee when reviewed by WG4. 10

6. The Secretariat of IALA is requested to conduct a final editorial check on ENAV20-14.1.6 (Guideline No 1106 Producing an IALA S-200 series Product Specification) and ENAV20-14.1.5 (Guideline No 1087 Procedures for the Management of the IALA Domain under the IHO GI Registry) and submit the Guidelines to Council for approval. 12

7. The Secretariat is requested to source better quality pictures in editable form for ENAV20-14.1.5 and verify that the acronyms are in the IALA Dictionary list. 12

8. The Secretariat is requested to convert tables 10,11 etc. into editable form in ENAV20-14.1.6. 12

9. The Secretariat of IALA is requested to forward output document ENAV20-14.1.7 to the ARM Committee. 12

10. The IALA Secretariat is requested to forward ENAV20-14.1.8 to the Council for approval and thence to NIPWG and the IMO/IHO Harmonization Group on Data Modelling when the HGDM is initiated. 12

11. The IALA Secretariat is requested to consider IALA’s ownership of MRN registry. 12

12. The IALA Secretariat is requested to forward output paper ENAV20-14.1.10 to Council for approval and thence to NIPWG. 13

13. The IALA Secretariat is requested to submit output document ENAV20-14.1.9, draft Recommendation e-NAV-147 to Council for approval. 13

14. The Secretariat of IALA is requested to forward liaison note ENAV20-14.1.34 and paper ENAV20-14.1.11, Draft Guideline on specification e-navigation technical services, as a draft document to other organisations to be agreed between the Chair, Vice Chair and the Secretariat with the intention of completing the Guideline at ENAV21. 14

15. The Secretariat is requested to forward paper ENAV20-14.1.11 to ENAV21. 14

16. The IALA Secretariat is requested to resubmit the working document ENAV20-14.2.11 to ENAV21 in case there is no other document replacing ENAV20-14.2.11. 14

17. The Secretariat is requested to forward ENAV20-4.9 to the VTS, ENG and ARM Committees. 14

18. The IALA Secretariat is requested to forward ENAV20-14.1.1 and ENAV20-14.1.1.1 (Liaison note and tracking table) to ARM 6. 15

19. The IALA Secretariat is requested to forward ENAV20-14.2.3 (Working version of Chapter 4 of the NAVGUIDE) to ENAV21, for reference and record. 15

20. The IALA Secretariat is requested to arrange for similar statistics (for the testbeds portion of the IALA website, as provided in ENAV20-10.6) for the period 1st March 2017 to 31st July 2017 - that is for the next five months - so that a like for like comparison can be conducted. This will help identify trends in individual parameters. 16

21. The IALA Secretariat is requested to seek information from Redwire on key words searches and the geographical regions (i.e. IP addresses) from where unique page views are generated for the IALA testbeds website. 16

22. The IALA Secretariat is requested to set up its own Google account, so that it can conduct analysis on the usage of the testbeds portion of its own website. This will provide additional statistics such as key words and geographical areas of search origins. 16

23. The IALA Secretariat is requested to ask Redwire for information on (or generate information from its own Google account) whether visitors come to the testbed area via the main IALA website or via searches with key words. 16

24. IALA is requested to work with Redwire to develop a search optimisation strategy to promote the website. This includes strengthening individual pages to include key words and phrases (in English and, if possible, in all IALA working languages). 16

25. The IALA Secretariat is requested to work with Redwire to implement additional functionality, which will: 17

26. > Provide the IALA reporting template as a web-based form that interested parties can use to submit information efficiently. 17

27. > Create an area where prospective testbed managers can publicise (and seek cooperation and interest from other parties) their intention to conduct testbeds and pilot projects. Information provided should include a short description, geographical area, time frame, specific expertise required, reference to an area of e-navigation developments and contact information. 17

28. > Implement the ability to filter testbed pages based on key words and, if possible, criteria such as geographical areas, technologies and time frames. 17

29. The IALA Secretariat is requested to adopt the communications strategy and act on the items listed within section 9 of ENAV20-14.1.2 (IALA communications strategy – promoting the sharing of e-navigation testbed results). 17

30. The IALA Secretariat is request to forward liaison note ENAV20-14.1.29 to the PAP. 17

31. The IALA Secretariat is requested to consider adding the e-navigation roadmap (ENAV19-14.1.5) to the IALA position paper. 17

32. The IALA Secretariat is requested to forward ENAV20-14.1.26 Preliminary Draft New Report ITU-R M.[VDES-SAT], 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 10 April 2017. 18

33. The IALA Secretariat is requested to forward ENAV20-14.1.27 to the ENG committee for their consideration. 19

34. The IALA Secretariat is requested to forward liaison ENAV20-14.1.28 and its associated output ENAV20-14.1.32 to ENAV21. 19

35. The IALA Secretariat is requested to forward ENAV20-14.1.22, draft Recommendation on VDES, to Council for approval. 19

36. The IALA Secretariat is requested to post the agreed VDES FAQ to the appropriate area of the IALA website, and to forward ENAV20-11.5 to ENAV 21 for further review. 20

37. The IALA Secretariat is requested to forward liaison ENAV20-14.1.23 and the associated documents ENAV20-14.1.30 and ENAV20-14.1.31 to the ARM Committee. 20

38. The IALA Secretariat is requested to forward ENAV20-14.1.24 to the VTS Committee. 20

39. The IALA Secretariat is requested to forward ENAV20-14.1.25, [with the associated file of documents in track changes] to the appropriate E2 project officer for consideration. 20

40. The IALA Secretariat is requested to forward ENAV20-14.1.25 to the appropriate E2 project officer for consideration. 21

41. The IALA Secretariat is requested to consider the changes listed in paper ENAV20-14.1.35 as they have been proven to be very useful to many administrations. In particular, the Committee requests that the email lists and FTP access to files be implemented as soon as practical. 21

42. The IALA Secretariat is requested to forward papers ENAV20-12.3 and ENAV20-12.4 and Annexes to ENAV21. 22

43. The Secretariat to forward the draft Guideline on MSPs in paper ENAV20-14.2.5 to ENAV21. 22

44. The Secretariat to forward the Liaison note ENAV20-14.1.12 to the VTS Committee. 22

45. The Secretariat to forward the Liaison note ENAV20-14.1.13 to the ARM Committee. 22

46. The Secretariat is to forward the Liaison note ENAV20-14.1.14 to IHO to the Council for approval and if approved, forward to IHO with the draft Guideline on MSPs in paper ENAV20-14.2.5. 23

47. The Secretariat is to forward the Liaison note ENAV20-14.1.15 to IMPA to the Council for approval and if approved forward to IMPA. 23

48. The Secretariat is to forward the Liaison note ENAV20-14.1.16 to IMRF to the Council for approval and if approved forward to IMRF. 23

49. The Secretariat is to forward the Liaison note ENAV20-14.1.17 to WMO to the Council for approval and if approved forward to WMO. 23

50. The Secretariat is to forward the Liaison note ENAV20-14.1.18 to the IMO/IHO HGDM to the Council for approval and if approved forward to the HGDM after the HGDM is approved by the IMO MSC. 23

51. IALA Secretariat is requested to send ENAV20-14.1.4 (Draft Recommendation on eLoran Service Provision) and ENAV20-14.1.3 (Draft Guideline on eLoran Service Provision) to Council for approval. 24

52. IALA Secretariat is requested to forward ENAV20-14.2.9 – Draft Recommendation on PNT relevant services to ENAV21. 24

53. IALA Secretariat is requested to forward paper ENAV12-14.2.8, Draft Guideline on systems and services for high accuracy positioning and ranging, to ENAV21. 24

54. IALA Secretariat is requested to include the working paper ENAV20-14.2.7, Draft SBAS Guideline, as an input paper to ENAV20. 25

55. IALA Secretariat is requested to send ENAV20-14.1.19, Draft Guideline on DGNSS antenna efficiency calculations, to Council for approval. 25

56. IALA Secretariat is requested to send ENAV20-14.1.20, Liaison note on the use of Radar in busy harbors, to ARM, ENG and VTS committees. 25

57. IALA Secretariat is requested to send ENAV20-14.1.21, Liaison note on the use of Radar in busy harbors, and ENAV20-13.11 as an attachment, to Council for approval to go to CIRM. 25

58. The Secretariat is requested to forward the report of ENAV20 (ENAV20-16.1) to the Council, to note. 26

**Action Items for ENAV Participants**

59. French and Spanish speaking ENAV Members are invited to assist IALA with translation of Dictionary terms to French and Spanish. 9

60. Working Group chairs are requested to identify documents that will be completed at ENAV21 and advise the Chair and Vice-Chair. 11

61. 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 content intersessionally for section 6, Maritime Digital Infrastructure, assigned to WG1 for ENAV20. 11

62. Stephane Lessard is requested to manage the inputs for amendments to Chapter 4 and section 6 of the NAVGUIDE. 11

63. Martin Bransby and Justin Kimura are requested to present information on S-201 at the ARM6. 12

64. Work will be conducted intersessionally to provide an input paper regarding S-100 data streaming services for ENAV21, coordinated by Peter Hooijmans. 14

65. Axel Hahn is requested to develop a MAF Guideline and to include the concepts in the NAVGUIDE. 14

66. Axel Hahn is requested to provide a cover note to accompany paper ENAV20-14.1.11 when sending to other organisations. 14

67. Committee Participants are requested to further elaborate on the Risk Management Plan by editing the list of risks. Jin H. Park, Jean-Charles Cornillou and Yves Desnoes are requested to coordinate the work intersessionally. 14

68. Axel Hahn is requested to provide information on the effort on maritime collision avoidance in Germany. 15

69. Committee members are requested to review and update relevant sections of the NAVGUIDE and provide input via their working group chairs in time for ENAV21. 15

70. Committee members are requested to provide quality diagrams and photographs for the NAVGUIDE via their working group chairs in time for ENAV21. 15

71. Working group chairs are requested to ensure that their sections of the NAVGUIDE are reviewed and updated in time for ENAV21. 15

72. Mahesh Alimchandani is requested to ensure that input by working group chairs and Committee members is consolidated into a final draft of Chapter 4 in time for ENAV21. 15

73. J Carson-Jackson was asked to liaise with S Burrows to finalise the radiocommunications aspects for the revision of the NAVGUIDE, and provide an input paper for ENAV21. 18

74. Members of the ENAV Committee are requested to provide input to ENAV21 regarding working document ENAV20-14.2.6 ITU-R M.2092-0 Technical characteristics for a VHF data exchange system in the VHF maritime mobile band. 19

75. Nick Ward is requested to arrange for a presentation on the VDES at NCSR5. 21

76. The WG 4 Chair to forward a further version of the draft Guidelines after intersessional work to ENAV21. 22

77. The Chair of the ENAV Committee is requested to clarify the definition and scope of AtoN with the PAP. 23

78. The ENAV Chair and Vice-Chair are requested to consider NAVDAT antenna efficiency ref ITU report on NAVDAT ITU-R M.2201 for the Committee work plan 2018 to 2022. 24

79. WG5 participants are requested to participate in an intersessional meeting re high accuracy systems prior to ENAV21. 24

80. WG5 members are requested to participate in an intersessional meeting re SBAS prior to ENAV21. 25

81. Committee participants are requested to advise any corrections / amendments to the draft ENAV20 report, paper ENAV20-16.1 post plenary, by 24 March 2017. 26

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