

Development of an e-navigation strategy implementation plan

8.22 The Committee noted that the Sub-Committee, in relation to the development of an e-navigation strategy implementation plan, endorsed the final draft list of gaps relevant to radiocommunications and search and rescue and instructed the Secretariat to forward it to both STW 43, for further revision from the training perspective, and NAV 58, for final consideration.

Draft MSC resolution on Recommendation for the protection of the AIS VHF data link

8.23 The Committee instructed the Secretariat to bring the draft MSC resolution on Recommendation for the protection of the AIS VHF data link to the attention of the NAV Sub-Committee for comments, as appropriate, with the view to approval by MSC 91.

Operating anomalies identified within ECDIS

8.24 The Committee noted that COMSAR 16 had considered the issue of Operating anomalies identified within ECDIS and that the specific issue of communicating to mariners important safety-related information concerning ECDIS had been discussed. It was further noted that IHO had assured that, through the Chairman of its WWNWS Sub-Committee, it would, with immediate effect, do all it could to ensure the broadcast of such messages by all NAVAREA Coordinators and would also consider the inclusion of this subject matter in the joint NAVTEX Manual, including the provision of relevant examples (see also paragraphs 10.21 to 10.28).

- .8 two-way routes in the Gulf of Campeche and the ports of Cayo Arcas, Ta'kuntah and Yuum K'ak Naab;
- .9 five areas to be avoided and six Precautionary Areas in the Gulf of Campeche and the ports of Cayo Arcas, Ta'kuntah and Yuum K'ak Naab; and
- .10 revocation of the existing routeing measures other than traffic separation schemes detailed in sections 2.5, 2.6 and 3.2 of annex 1 to resolution A.527(13) relating to the Gulf of Campeche, the maritime oil terminal off Cayo Arcas and the recommended tracks in the Gulf of Campeche respectively,

as set out in annex 19, for dissemination by means of SN.1/Circ.309.

Development of an e-navigation implementation strategy

10.9 The Committee noted the progress made in the development of an e-navigation strategy implementation plan and the establishment of a correspondence group to further progress the work intersessionally.

10.10 In this regard, the Committee approved the:

- .1 current overarching e-navigation architecture;
- .2 proposed way forward for developing a Common Maritime Data Structure (CMDS);
- .3 use of the IHO's S-100 standard as the baseline for creating a framework for data access and services under the scope of SOLAS; and
- .4 proposed joint plan of work on e-navigation for the COMSAR, NAV and STW Sub-Committees for the period 2012-2014,

and also agreed that, for the time being, no further action is required until future uses for the frequency band of 495-505 kHz are identified for e-navigation.

10.11 The Chairman of the Correspondence Group on E-navigation informed the Committee that, as part of the development of the e-navigation concept, the Norwegian Coastal Administration (NCA), assisted by the Maritime and Port Authority of Singapore (MPA) and IMO's Marine Electronic Highway (MEH) project in the Straits of Malacca and Singapore, had hosted a two-day workshop using IHO's S-100 standard as a test bed, in Singapore from 19 to 20 April 2012, which concluded that:

- .1 the IHO's S-100 standard could be extended and further developed to meet the emerging requirements of e-navigation;
- .2 the MEH project was an excellent example of close regional cooperation to improve maritime safety and environmental protection; and
- .3 the development of MEH should draw from aspects of e-navigation, e.g. systems, architecture and the IHO's S-100 standard, to generate maximum synergies and vice versa.

Furthermore, Norway is expected to carry out a similar test in the Polar region. The test bed would be based on the IHO's S-100 standard, and also include LRIT infrastructure, which might be suitable for a shore based e-navigation network in the future.

IMO/IHO Harmonization Group on Data modelling

10.12 The Committee authorized the establishment of an IMO/IHO Harmonization Group on Data Modelling and approved its terms of reference, as set out in annex 22.