



# INFORME HSSC -7





## IHO 7<sup>th</sup> HYDROGRAPHIC SERVICES AND STANDARDS COMMITTEE MEETING



BUSAN, REPUBLIC OF KOREA, 10~ 13 NOVEMBER 2015

- The meeting was chaired by Dr Mathias Jonas, National Hydrographer of Germany, and attended by 48 representatives from 20 Member States, the IHB, and six international organizations accredited as observers. Director Gilles Bessero and Assistant Directors Yves Guillam and Tony Pharaoh represented the IHB.
- The Committee reviewed the activities, proposals, and work plans of its subordinate bodies and the decisions of other organs and organizations affecting its work and decided on a number of outcomes. The Open Session focused on new survey techniques and crowdsourced bathymetry and on issues related to the development and implementation of the S-100 framework.



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- **S-100 and related activities**: The Committee acknowledged the work of the S-100 working group (S-100WG) and welcomed the progress in developing and implementing the S-100 framework, noting:
  - Most operational ice charts were to be available in S-411 format by Dec2015 and first S-411 capable commercial ECDIS expected to enter service in 2016;
  - The revised Edition 1.1 of the S-100 Master Plan was endorsed, as the further upgrades of the S-100 Registry and the plan to publish an extended Edition 3.0.0 of S-100 in 2017 ;
  - The Committee urged the IHO Member States to strengthen their support to the S-100WG and the associated project teams in order to meet the milestones of the work plan;
  - The Committee agreed that IHO should take the initiative for developing further the maritime service portfolios (MSP) related to hydrographic services in the e-navigation environment.



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- **ECDIS matters:**

- The Committee acknowledged the efficient coordination between the IHO and the International Electrotechnical Commission (IEC) in producing a coherent set of revised editions of the key ECDIS related standards thereby addressing the anomalies in the operation of some ECDIS.
- The Committee tasked the ENC Standards Maintenance Working Group (ENCWG) to finalize the draft revised new editions of S-58 - ENC validation checks and S-66 - Facts about Electronic Charts and Carriage Requirements for review/endorsement by correspondence.
- The Committee expressed its support for the development of industry standards for software maintenance of shipborne equipment and invited the Comité International Radio-Maritime - CIRM to coordinate with the ENCWG for the revision of the IHO check datasets for ECDIS and the possible introduction of an annual performance test for ECDIS.



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- **Nautical Cartography**: the Committee endorsed the proposed changes to Edition 4.5.0 of S-4 - Chart Specifications of the IHO and tasked the NCWG to finalize the draft new edition 4.6.0 and forward it to the IHB which will then circulate it to IHO Member States for consideration/approval. The Committee instructed the NCWG to develop a separate section on ENC schemes in the draft revision of S-11 Part A - Guidance for the Preparation and Maintenance of International Chart Schemes. The Committee invited the NCWG to address as a high priority the work item on the future of the paper chart.



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- **Hydrographic Surveys WG**: the Committee decided to establish a Project Team to investigate further the need for HSSC activities related to hydrographic surveys, define the scope and the possible tasks that may be considered in that respect and propose recommendations at the next HSSC meeting (HSSC-8).
- **Relations with stakeholders**: the Committee acknowledged that the relations with stakeholders are a strategic issue to be considered by HSSC. The Committee also welcomed the possible contribution through the International Cable Protection Committee - ICPC of bathymetric data to the IHO Data Centre for Digital Bathymetry, in the context of the development of trusted crowd-sourced bathymetry.



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- **Hydrographic Dictionary**: the Committee requested the Hydrographic Dictionary Working Group to investigate options and associated resource requirements and timeline to produce and maintain a reference edition of S-32.
- **Contribution of ROK/KHOA**: the Committee commended the significant contribution of KHOA to the development of IHO web services through the INTToGIS project, which aims to develop a GIS-based version of S-11 Part B - *Catalogue of International (INT) Charts*, and the Digital Reference Tool for Cartographers (DRTC).



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**Next meetings:** HSSC-8 → 14-16NOV2016 – Monaco / HSSC-9 → NOV2017  
HSSC-10 → Germany offer Rostock NOV2018.