



9TH JOINT IHO/IMO/WMO/IOC/IALA/IAEA/FIG CAPACITY BUILDING COORDINATION MEETING

Geneva, Switzerland, 30 November – 1 December

The 9th Joint IHO/IMO/WMO/IOC/IALA/IAEA/FIG Capacity Building (CB) Coordination Meeting was held on 30 November and 1 December 2015, at the World Maritime Organization (WMO) Headquarters in Geneva, Switzerland. The annual meeting brought together seven representatives from the IHO, WMO and IALA. The IMO, IOC, IAEA and FIG were not represented at the meeting. The IHO was represented by Mr. Thomas Dehling (Germany), Chair of the CB Sub-Committee (CBSC), and Director Mustafa Iptes and Assistant Director Alberto Costa Neves from the IHB.

Participants presented the strategies and the management of their CB programmes, reported on their CB activities since the last meeting and shared lessons learned, best practices, standardization procedures and experience in dealing with funding agencies. The IHO representatives reported on developments including the impact of the recently approved IHO CB Strategy, the status of joint projects and the overall CB achievements.

Participants reviewed the impact of the joint paper on “Partnership arrangements, Delivering as One in action” submitted to the last session of the IMO Technical Co-operation Committee (TC 65) in June 2014 and discussed the need to follow up the joint approach under the United Nations policy of “Deliver as one”. The IHO representatives informed the meeting of the presentation of a proposal to the IMO TC 65 for the identification of the components of the IMO Country Maritime Profile that could be shared amongst the seven organizations. The meeting considered the synergies for the execution of the CB programmes for 2016 and agreed on the implementation of a joint CB Calendar that will be put in place by the WMO and the IOC.



The Participants at the 9th Joint IHO/IMO/WMO/IOC/IALA/IAEA/FIG Capacity Building Coordination Meeting at the WMO Headquarters



The meeting agreed to focus its efforts on the identification of a suitable region (such as the Caribbean, South-West Pacific or West Africa) for the development of a joint regional project to seek funding from donor agencies. The objectives would be to increase communication amongst existing systems in the region, to invest in CB and to provide integrated maritime and marine services in order to improve the safety of navigation, the protection of the marine environment, the protection of the population and support to sustainable economic growth. The meeting agreed to work intersessionally to select the region, to outline the scope of work and to define how to progress the project.

The next Joint CB Coordination Meeting will take place in the second half of October 2016 in London, UK, and will be hosted by the IMO (to be confirmed).



29TH SESSION OF THE IMO ASSEMBLY

London, United Kingdom, 23 November - 2 December 2015

The Assembly is the highest governing body of the International Maritime Organization (IMO). It consists of all Member States and meets once every two years in regular session, but may also meet in an extraordinary session if necessary. The Assembly is responsible for approving the work programme, the budget and determining the financial arrangements of the IMO. The Assembly also elects the IMO Council. The 29th session of the IMO Assembly was held at the IMO Headquarters in London from 23 November to 2 December. It was attended by more than 1000 representatives from 160 Member States and two Associate Members, as well as observer delegations from 13 inter-governmental organizations and 31 non-governmental organizations. The IHO was represented by Director Mustafa Iptes.



Director Iptes together with Mr Koji Sekimizu, outgoing Secretary-General of the IMO and Mr Kitack Lim, the next Secretary-General

Welcoming addresses were made by Mr Unal Cevikoz, the outgoing President of the 28th Assembly and Former Ambassador of Turkey to the United Kingdom, Mr Koji Sekimizu, Secretary-General of the IMO, and Mr Robert Goodwill, United Kingdom Parliamentary Under-Secretary of State for Transport. The Assembly unanimously elected Mr D. Federico Trillo-Figueroa of Spain as President, Mr Binyah C. Kesselly of Liberia as first Vice-President and Mr Keichi Hayashi of Japan as second Vice-President of the Assembly for the biennium 2016-2017.

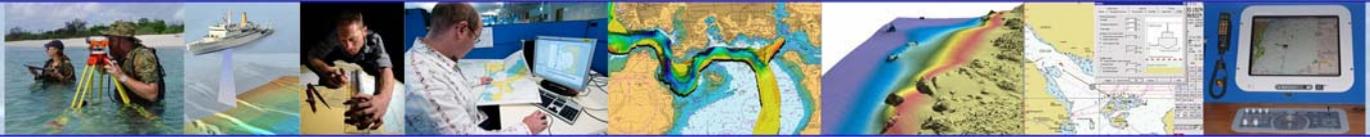
The Assembly established two Committees. One to consider administrative, financial, legal and technical cooperation issues and the other to consider technical matters. Committee-1 agreed to recommend to Plenary the approval of the reports of the Legal Committee and Technical Cooperation Committee provided during the last biennium 2014 to 2015. Committee-2 also recommended to Plenary the approval of the reports and decisions of the Maritime Safety Committee, Marine Environment Protection Committee and Facilitation Committee held during the last biennium. The reports and decisions of the IMO Committees were subsequently approved by the Assembly.



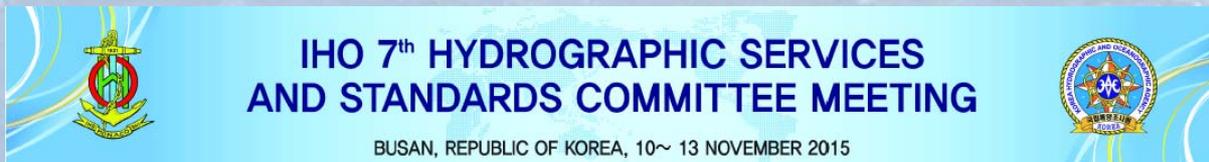
The Assembly adopted an updated Strategic Plan of the IMO for the six-year period 2016 to 2021 and the Budget, High-level Action Plan and priorities for the 2016-2017 biennium. The Assembly elected the 40-Member IMO Council for the next biennium. A number of other resolutions were adopted, including several aimed at updating various guidance documents.

The Assembly endorsed the Council's decision to appoint Mr Kitack Lim (Republic of Korea), as the next Secretary-General for a period of 4 years from 1 January 2016. The Assembly also unanimously adopted a resolution thanking the outgoing Secretary-General, Mr Koji Sekimizu of Japan for his longstanding service to the IMO.

The 30th session of the Assembly will take place at IMO Headquarters in the autumn of 2017.



7TH MEETING OF THE IHO HYDROGRAPHIC SERVICES AND STANDARDS COMMITTEE (HSSC) Busan, Republic of Korea, 10-13 November



The seventh meeting of the Hydrographic Services and Standards Committee (HSSC) took place in Busan, Republic of Korea, hosted by the Korea Hydrographic and Oceanographic Agency (KHOA), from 10 to 13 November 2015. Mr Hyun Jung, Director of the Nautical Chart Division, welcomed delegates on behalf of Mr Jae-hyung Ryoo, Director General of KHOA, who could not be present due to unforeseen circumstances.



Welcoming address by Mr Hyun Jung, Director of the Nautical Chart Division, KHOA

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. As agreed at the previous meeting, a half-day IHO Stakeholders' Open Session was included in the agenda of the meeting and attracted eight additional participants who attended all or part of the HSSC sessions as observers.

The Chair Group, composed of the Chairs of the HSSC and of its subordinate bodies, met on 9 November to discuss the major items on the agenda and prepare consolidated proposals for the further consideration of the Committee.



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, which was held on 12 November, focussed on new survey techniques and crowd-sourced bathymetry and on issues related to the development and implementation of the S-100 framework.



HSSC-7 participants

A summary of the main outcomes is described below:

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:

- the publication of Edition 2.0.0 of S-100 - *IHO Universal Hydrographic Data Model*;
- the on-going preparation of supporting documents (including the S-100 interoperability specification for ECDIS, UML models, and data quality models);
- the on-going development, test and implementation of S-100 product specifications both within the IHO and within partner organizations;
- possible additional requirements related to the provision of data services and to the establishment of an S-100 domain for Additional Military Layers (AMLs).

The Committee welcomed in particular the announcement that most operational ice charts will be available in S-411 format by December 2015 and that the first S-411 capable commercial ECDIS is expected to enter service in mid-2016.

The Committee established a project team that will report to the S-100WG to consider the development of a new product specification for the display of under keel clearance management information. The Committee endorsed the revised Edition 1.1 of the S-100 Master Plan, 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.

Noting the current limited expertise in the IHO concerning the portrayal of features in an S-100 based environment, the Committee tasked the Nautical Information Provision Working Group (NIPWG) and the Nautical Cartography Working Group (NCWG) to investigate further portrayal issues, through the use of test bed opportunities.

The Committee noted the intention of the International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA) to submit a proposal for developing a maritime resource name scheme under the S-100 framework.

The Committee agreed that the IHO should take the initiative for developing further the maritime service portfolios (MSP) related to hydrographic services in the e-navigation environment.



HSSC in session

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 and endorsement by correspondence during the intersessional period.

The Committee noted the feedback from industry on the implementation of the new editions of S-52 - *Specifications for Chart Content and Display Aspects of ECDIS* and its Annex A - *Presentation Library for ECDIS*, and agreed to consider postponing the withdrawal of the previous editions,



currently planned to occur on 31 August 2016 in accordance with the timeline reported to the International Maritime Organization. The Committee agreed on the benefits of holding an IHO-Industry ECDIS Forum in the context of the implementation of the revised ECDIS related standards and invited the IHB to liaise with the Secretariat of CIRM (*Comité International Radio-Maritime*) for the possible organization of such a forum.

The Committee expressed its support for the development of industry standards for software maintenance of shipborne equipment and invited the 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.

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 their consideration and 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.

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 - *Hydrographic Dictionary*. The S-100WG was tasked to specify its requirements regarding definitions included in the S-100 Registry.

Consideration of the need to establish a Hydrographic Surveys Working Group

The Committee considered the mixed responses from the Member States on the need to establish a Hydrographic Surveys Working Group, following the consultation initiated at its previous meeting. 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).

Preparation of the International Hydrographic Conference or Assembly of the IHO in 2017

The HSSC Chair Group was tasked to prepare the contribution of the Committee to the revision of the IHO Strategic Plan and the preparation of the next pluriannual IHO Work Programme in accordance with the IHO Resolution on the planning cycle.



Relations with Stakeholders

The Committee acknowledged that the relations with stakeholders are a strategic issue to be considered by the HSSC Chair Group in its contribution to the revision of the IHO Strategic Plan.

The Committee noted the areas of common interest between the IHO and the International Cable Protection Committee (ICPC), and welcomed the possible contribution through the ICPC of bathymetric data to the IHO Data Centre for Digital Bathymetry, in the context of the development of trusted crowd-sourced bathymetry. The Committee supported the proposal of the ICPC to develop a Memorandum of Understanding between the IHO and the ICPC.

Contribution of the Republic of Korea

The Committee commended the significant contribution of KHOA to the development of IHO web services through the INToGIS 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). The Committee also warmly thanked KHOA for the excellent meeting arrangements and the outstanding support provided to the participants.

Next Meetings

The next meeting of the HSSC (HSSC-8) will be held in Monaco from 14 to 18 November 2016. HSSC-9 will take place in Ottawa, Canada in early November 2017. Germany offered to host HSSC-10 in Rostock in November 2018.

More Information

Further information is available on the IHO web site at Home > Committees & WG > HSSC.