



**10TH MEETING OF THE IHO WORLD-WIDE NAVIGATIONAL
WARNING SERVICE SUB-COMMITTEE
IHO, Monaco, 27 - 31 August**

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| Contribution to the IHO Work Programme 2018 | |
| Task 3.5.1 | Attendance of WWMWS-SC meeting |

The 10th meeting of the World-Wide Navigational Warning Service (WWNWS) Sub-Committee (WWNWS10) was held at the IHO Secretariat, Monaco, from 27 to 31 August under the chairmanship of Mr Peter Doherty of the United States of America. At the same time the first meeting of the World Meteorological Organization (WMO) World-Wide Met-Ocean Information and Warning Service (WWMIWS) Committee (WWMIWS1), under the chairmanship of Mr Johan Stander of South Africa, was also hosted by the IHO Secretariat and a number of joint sessions took place. Director Mustafa Iptes welcomed the meetings which were attended by a total of 66 delegates.



Participants at the joint meetings of the IHO World-Wide Navigational Warning Service Sub-Committee and the WMO World-Wide Met-Ocean Information and Warning Service Committee at the IHO in Monaco

The WWNWS10 was attended by 46 delegates from 21 IHO Member States, the Secretariat of the International Maritime Organization (IMO), the Secretariat of the WMO, the Secretariat of the International Mobile Satellite Organization (IMSO), the Chairs of IMO NAVTEX and International SafetyNET Coordinating Panels, Inmarsat, Iridium, Security of Navigation, Stabilisation, Advice



and Training (inc AWNIS) (SONSAT) and the IHO Secretariat. A representative of the Intergovernmental Oceanographic Commission (IOC) of UNESCO joined by remote link for discussions on tsunami warning messages. The delegates included representatives of 18 NAVAREA Coordinators, one Sub-Area Coordinator and six National Coordinators. The IHO Secretariat was represented by Assistant Director David Wyatt (Secretary).

During the joint sessions the WWNWS-SC and the WWMIWS-C discussed a number of topics of mutual interest and receive briefings and presentations from Inmarsat and Iridium on the developments in the provision of mobile satellite Global Maritime Distress and Safety System (GMDSS) services. The current state of Maritime Safety Information (MSI) documentation was discussed, in particular the amendments to all the MSI documentation affected by the Inmarsat I-3 to I-4 satellite migration and the recognition of Iridium as a mobile satellite service provider of the GMDSS. The IMSO provided a brief on the Iridium operational implementation plan and programme, for which it is responsible.

The delegates received briefings on the outcomes of recent International Maritime Organization (IMO) meetings, including the 99th session of the Maritime Safety Committee and the 5th session of the Sub-Committee on Navigation, Communications and Search and Rescue. The relevant agenda items for the 14th session of the IMO-International Telecommunication Union (ITU) Expert Group were discussed. Updates on the activities of the IMO NAVTEX Coordinating and the International SafetyNET Coordinating panels were provided by their respective chairs.

During the separate WWNWS10 meeting, the Sub-Committee received Maritime Safety Information (MSI) self-assessment reports from all 21 NAVAREAs, the Baltic Sea Sub-Area and a national report from China and reviewed the relevant outcomes of the IRCC10 meeting. The outcomes from the 16th meeting of the Document Review Working Group (27 February - 1 March 2018) were discussed.



Joint WWNWS10 and WWMIWS1 in plenary session

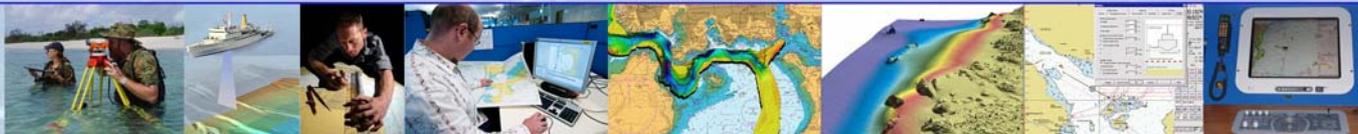
The meeting also received a detailed progress report on the development of the S-124 Product Specification on Navigational Warnings from the Chair of the S-124 Correspondence Group. The WWNWS-SC considered progress reports on the delivery of MSI training courses, discussed the

processes for reporting the status of MSI provision at Regional Hydrographic Commission meetings and methods for identifying to the Capacity Building Sub-Committee the regions and coastal States most in need of training and assistance.



The next meeting of WWNWS-SC will be held in Halifax, Canada, 26 to 30 August 2019. Details will be published on the WWNWS-SC page of the IHO website when available.

When finalized the report of WWNWS10 will be posted in the IHO website, where all the meeting documents are already available (www.iho.int > Committees & WG > WWNWS-SC > WWNWS10)



**23RD CONFERENCE OF THE BALTIC SEA
HYDROGRAPHIC COMMISSION
Aalborg, Denmark, 27-29 August 2018**

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| Contribution to the IHO Work Programme 2018 | |
| Task 3.2.1.2 | Attendance of BSHC23 meeting |

The 23rd Conference of the Baltic Sea Hydrographic Commission (BSHC23) was held in Aalborg, Denmark, from 27 to 29 August, under the Chairmanship of Mr Thomas Dehling, (Germany). Seven out of eight full members of the Commission (Denmark, Estonia, Finland, Germany, Latvia, Poland, Sweden) and associate member Lithuania were represented at the Conference. The Russian Federation was not represented. The United Kingdom and the United States of America were represented at the Conference as Observers. The IHO Secretariat was represented by Secretary-General Dr Mathias Jonas.



The Heads of the national delegations at the signing ceremony of the amended Statutes of the Baltic Sea Hydrographic Commission.

BSHC23 covered a wide range of regional topics including developments in each of the Member States, the latest status of hydrographic surveying and nautical charting including INT Charts, ENC production and BSHC cooperative projects. The members of the BSHC reported on their national hydrographic, cartographic and Maritime Safety Information activities since the 22nd meeting. They also presented new developments with regard to surveying, chart production and maritime traffic management. Secretary-General Dr Jonas reported on the IHO Work Programme and the Organization’s activities during the previous year. He also provided the Commission with general information on the discussions undertaken at the first meeting of the



IHO Council (C-1) in October 2017 and topics to be discussed at the upcoming second meeting of the IHO Council (C-2) in October 2018 in London, highlighting the fact the five (Denmark, Finland, Germany, Sweden, Russian Federation) of the nine BSHC members will be present at the Council. He encouraged the remaining other members to forward their views on the Council topics to the Council member states of the region.

The Commission reviewed on-going regional initiatives in particular the activities of the Monitoring Re-survey Working Group (MWG), Baltic Sea Bathymetric Database Working Group (BSBDWG), joint North Sea and Baltic Sea Marine Spatial Data Information Working Group (NS-BSMSDIWG), Baltic Sea International Charting Coordination Working Group (BSICCWG) and the Chart Datum Working Group (CDWG). As a result of the work of the latter one the Commission endorsed a specific vertical chart datum for the Baltic region named Baltic Sea Chart Datum 2000 (BSCD2000) and recommended its use throughout all nautical charts published for the area. As the first Regional Hydrographic Commission ever, BSHC agreed on the establishment of a permanent Maritime Safety Information Working Group (MSIWG). The endorsed Terms of References and Rules of Procedures task this group to continue the work previously conducted at the so called BALTICO meetings to harmonize and improve the MSI services for the WNWWS Baltic Sea sub-area. Sweden accepted to take over the Chair of this new Working Group.

The Commission considered the outcome of the 10th meeting of the Hydrographic Services and Standards Committee (HSSC) and the Inter-Regional Coordination Committee (IRCC) including the 8th meeting of World Wide ENC Database Working Group (WEND-WG). The Chair explained the discussions which arose at IRCC10 in the course of the review of IHO Resolution 2/1997 pertaining to the general status of the RHCs within the regulatory framework of the IHO. The Commission tasked the Chair to gather the individual reflections of the BSHC member states and to draft a consolidated standpoint to be put forward to IRCC11 in 2019.

The Conference put special emphasis on regional engagement within the framework of the IHO-European Union Networking Working Group (IENWG). Multilateral projects such as Coastal mapping and Emodnet phase III, which enjoy active participation of BSHC members, have been presented in further detail. The conference took evenly note on national activities in European projects with relation to maritime themes and links to hydrography.

The Commission renewed its commitment to the continued maintenance of the BSHC internet portal hosted by Sweden, including the provision of a gridded bathymetry model for the whole Baltic. The current model still faces good public perception by a significant number of visitors and downloads. Numerous members confirmed their plans to supply up to date data in higher resolution to improve the usability of the model. The member states reaffirmed these activities as their regional contribution to the Seabed 2030 project. Sweden highlighted the fact that one of the Regional data centers of the project is situated in Gothenburg, Sweden, which facilitates direct collaboration between both undertakings very smoothly.

As tasked at the previous BSHC meeting in Rostock, Germany in 2017 (BSHC22), the Chair presented the identified necessary amendments of the Statutes of the BSHC in order to reflect changes of the IHO convention properly. As final activity under his Chairmanship he conducted the formal signature ceremony of the amended BSHC Statutes at this event. An authorized copy



of the signed document will be deposited at the IHO Secretariat as the conclusive activity on this subject.

At the end of the meeting, Captain Andrzej Kowalski, (Poland) was elected as the new Chair of the BSHC. It was agreed that the next meeting of the BSHC will be hosted in Gdansk by Poland in the second week of September 2019. All available documents of the meeting are posted on the BSHC page of the IHO website as well as under www.bshhc.pro.



**15TH CONFERENCE OF THE SOUTHERN AFRICA AND ISLANDS
HYDROGRAPHIC COMMISSION (SAIHC) AND SEMINAR FOR
RAISING HYDROGRAPHIC AWARENESS**

Eden Island, Seychelles, 27 to 30 August

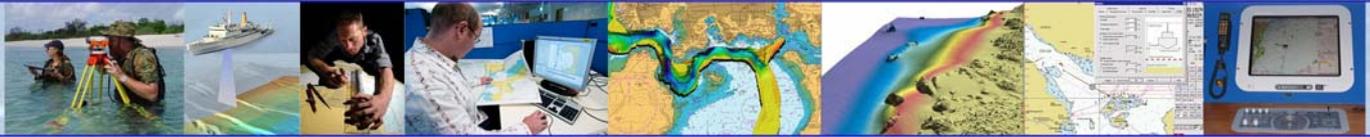
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| Contribution to the IHO Work Programme 2018 | |
| Task 3.2.1.11 | Attendance of SAIHC – Southern Africa and Islands Hydrographic Commission |

The 15th Conference of the Southern Africa and Islands Hydrographic Commission (SAIHC) was held from 27 to 30 August 2018 at Eden Island, Seychelles. The following SAIHC Member States attended the meeting; Seychelles, France, Mozambique, Mauritius and the United Kingdom. South Africa participated via video conference. Namibia, Portugal, India, Angola, Tanzania, Comoros, Madagascar, Malawi and Kenya attended as Associate Members. Delegates from the International Maritime Organisation (IMO) and International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA) and industry stakeholder participants from Kongsberg Maritime, AML Oceanographic and IMarEST also participated in the meeting. Director Abri Kampfer represented the IHO Secretariat.



Participants of the 15th SAIHC Conference

The meeting was opened by the Hon. Didier Dogley (Seychelles Minister of Tourism, Civil Aviation, Ports and Marine), and chaired by Rear Admiral Tim Lowe (UK). Each of the coastal States present provided an update on their activities since the last meeting that took place in Saint-Gilles, French Department of la Réunion held in September 2017.



The 15th Conference included a meeting of the SAIHC International Charting Coordination Working Group (ICCWG) during which the status of INT chart and ENC production in the region was discussed and decisions were made on resolving current ENC overlaps. A presentation on the current and future functionalities of the IHO INTToGIS was well received.

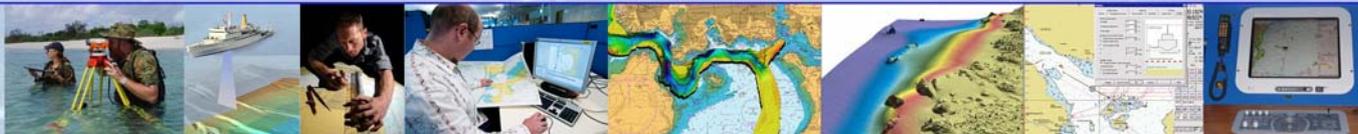
There were presentations and discussions on Marine Spatial Data initiatives and the Conference decided to establish a SAIHC MSDIWG, whose Terms of Reference needs to be finalised by correspondence. The membership of the group, led by the UK, will be all the Member States and Associated Member States. GEBCO activities, presented by a former GEBCO scholar, Mr Seeboruth from Mauritius, included information on the GEBCO–Nippon Foundation Seabed 2030 Project. IHO capacity building programme for the region was discussed and the need to refine the SAIHC Capacity Building Strategy was identified. The Conference also had the opportunity to bid the Capacity Building Coordinator, Mr Jeff Bryant (UK), a fond farewell as he will be proceeding on retirement. His tireless efforts to identify, motivate and execute capacity building events for the region was much appreciated and will be missed. Other topics discussed during the meeting included; feedback from IHO Council, HSSC, IRCC, C- 55 information, procedures for marine disasters and the current revision of IHO Resolution 1/2005, the improvements required for the submission of maritime safety information for NAVAREA VII and VIII. Presentations were also provided by each of the industry participants.



Captain Joachim Valmont, Seychelles Maritime Safety Administration, signing the SAIHC Statutes, affirming Seychelles as a new Member State of SAIHC

IHO/SAIHC Seminar for Raising Hydrographic Awareness

The 15th meeting of the Commission was preceded by a seminar for Raising Hydrographic Awareness sponsored by the IHO capacity building fund and delivered by representatives from the IHO Secretariat, IMO, IALA and the UK. The seminar was intended to provide the representatives of the SAIHC with information to assist in the development and strengthening of hydrographic capacity to meet their international obligations under SOLAS and to support economic growth and protection of the marine environment.



Next Meeting

Subject to final confirmation, the next meeting is scheduled in Nairobi, Kenya on 2 to 5 September 2019. The Commission re-elected Rear Admiral Tim Lowe (UK) and Captain Theo Stokes (South Africa) to continue as its Chair and Vice-Chair.

All papers and presentations for the Seminar and the Conference are available on the SAIHC15 document page on the IHO website (<http://www.iho.int>).



8TH SESSION OF THE UN COMMITTEE OF EXPERTS ON GLOBAL GEOSPATIAL INFORMATION MANAGEMENT (UN-GGIM)

New York, USA, 30 July - 3 August

| Contribution to the IHO Work Programme 2018 | |
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| Task 1.1.12 | Maintain relationship with United Nations (UN) organizations based in New York, including: |
| Task 1.1.12.1 | - the UN Committee of Experts on Global Geospatial Information Management (UN-GGIM) and WG on Marine Geospatial Information |



The 8th Session of the United Nations Committee of Experts on Global Geospatial Information Management (UN-GGIM) took place at the UN Headquarters in New York, USA from 30

July to 3 August.

The principal purpose of the UN-GGIM is to play a leading role in setting the agenda for the development of global geospatial information management and to promote the use of geospatial information in addressing key global challenges, particularly taking into account the role of geospatial data in monitoring and achieving the Sustainable Development goals agreed under the UN 2030 Agenda for Sustainable Development. The UN-GGIM reports to the UN Assembly via the UN Economic and Social Council (ECOSOC).

Overall 445 participants attended the UN-GGIM, 308 of them representing 88 UN Member States and 2 Non Member States and 197 representing 85 observing organisations – amongst them IHO, represented by the Secretary-General of the IHO, Dr Mathias Jonas.

Of special relevance for the IHO work programme was the report given under Agenda 14 Marine geospatial information by the Working Group on Marine Geospatial Information.





John Nyberg, NOAA, Chair of the Working Group on Marine Geospatial Information and Dr Mathias Jonas, IHO Secretary-General

The Working Group on Marine Geospatial Information under the leadership of John Nyberg (USA) was established by UN-GGIM 7 in 2017 in recognition that geospatial information on inland water bodies and waterways, coastal zones and seas and oceans, is needed to support its administration and management and to meet the demand for critical analysis when questions arise pertaining to the governance of these waters and their resources. The information gathered will play a vital role in measuring, monitoring and mitigating climate change in coastal zones, deltas and tributaries, in supporting national development priorities and the implementation of the 2030 Agenda for Sustainable Development. In recognition of these global needs, the Working Group presented its first work plan and conducted a side event with a focus on S-121 Maritime Limits and Boundaries Project Team and United Nations Division for Ocean Affairs and the Law of the Sea. The side event presented the progress in developing this specification for marine limits and boundaries that allows the presentation of legal aspects of marine areas and their associated rights, restrictions, and responsibilities in alignment with the United Nations Convention of the Law of the Sea (UNCLOS). The standard is also based on ISO standard 19152 Land Administration Domain Model.

IHO as a co-sponsor of the report on the *Implementation and adoption of standards for the global geospatial information community* (Agenda Item 9), brought to the attention of the Committee the subject of the new IHO Standard S-121 for Maritime Limits and boundaries. IHO assured the Committee that it will proactively advertise for the application of S-121 amongst its Member States to meet their deposit obligations according to UN Convention on the Law of the Seas. However, since this national process to deposit according to this Convention is usually not bound to the respective national hydrographic offices, the IHO SG proposed that UN-GGIM regional committees and thematic groups should support the outreach of this standardization activity on all administrative levels. This suggestion was later confirmed as a decision of the Conference. IHO SG pointed out further that the ultimate goal should be to create a global, complete repository of maritime limits and boundaries under the UN framework for the Convention on the Law of the Seas.

The Committee welcomed the report on the implementation and adoption of standards for the global geospatial information community and expressed its appreciation to ISO, IHO and OGC for their continuing support and valuable work to support the international standard on land administration; its focus on developing the S-100 suite of standards including the S-121 standard; and the standard for classifications systems for land cover. Appreciation was expressed for the reported revision to the “Guide to the Role of Standards in GIM” and its “Companion document on Standards Recommendations by Tier” and the Committee



commended the 3 SDO for their efforts and resources in updating these documents, following wide international consultation with MS and the professional GIM community. The Committee encouraged the Regional Commissions and thematic groups of UN-GGIM to continue raising awareness, engagement and the promotion of internationally agreed standards, including IHO's S-121 standard.

The next Session of the Committee is planned at the UN Headquarters, New York, from 29th July to 2nd August 2019.