

## 11<sup>TH</sup> MEETING OF THE IHO WORLD-WIDE NAVIGATIONAL WARNING SERVICE SUB-COMMITTEE

Halifax, Canada, 26 - 30 August

### Contribution to the IHO Work Programme 2019

Task 3.5.1

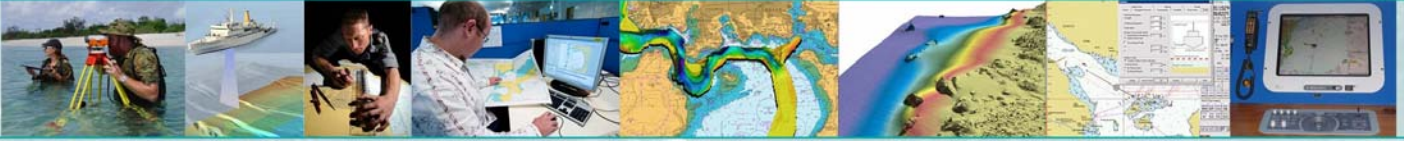
Attendance of WWMWS-SC meeting

The 11<sup>th</sup> meeting of the World-Wide Navigational Warning Service (WWNWS) Sub-Committee (WWNWS11) was hosted by the Canadian Coast Guard and held in Halifax, Nova Scotia, Canada, from 26 to 30 August under the chairmanship of Mr Peter Doherty of the United States of America. Ms Julie Gascon, Director General Canadian Coast Guard Operations, welcomed the meeting which was attended by 46 delegates from 19 IHO Member States, the Secretariat of the International Maritime Organization (IMO), the Secretariat of the World Meteorological Organization (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. The delegates included representatives of 18 NAVAREA Coordinators, one Sub-Area Coordinator and three National Coordinators. The IHO Secretariat was represented by Assistant Director David Wyatt. It was noted that 2019 was the 45<sup>th</sup> anniversary of the establishment of the Committee for the Provision of Radio Navigational Warnings (CPRNW), the former name for the WWNWS, and the 20<sup>th</sup> anniversary of the operational establishment of the Global Maritime Distress and Safety System (GMDSS).



*Participants at the 11<sup>th</sup> meeting of the IHO World-Wide Navigational Warning Service Sub-Committee in Halifax, Canada*





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, as well as reports from the Secretariats of the IMO, WMO and IMSO. The outcomes from the 17<sup>th</sup> meeting of the Document Review Working Group (29-31 January 2019) were discussed; in particular the proposed editorial amendments to the Inmarsat SafetyNET Services manual.

The delegates received briefings on the outcomes of recent International Maritime Organization (IMO) meetings, including the 100<sup>th</sup> and 101<sup>st</sup> sessions of the Maritime Safety Committee, the 6<sup>th</sup> session of the Sub-Committee on Navigation, Communications and Search and Rescue and the 15<sup>th</sup> session of the IMO-International Telecommunication Union (ITU) Expert Group. Up-dates on the activities of the IMO NAVTEX Coordinating and the International SafetyNET panels were provided by their respective chairs as well as developments in the provision of mobile satellite GMDSS services from Inmarsat and Iridium. The meeting also received a progress report on the development of the S-124 Product

Specification on Navigational Warnings from the Chair of the S-124 Correspondence Group. He also provided an update brief on the outcomes of the two day workshop, which had been conducted 27-29 August, in parallel to the WWNWS11. Significant progress had been achieved, which would be reported to the S-100WG, and it was agreed to change the S-124CG into a S-124 Project Team, to facilitate opportunities to hold more regular face-to-face meetings.

The sessions considered progress reports on the delivery of MSI training courses, and 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.

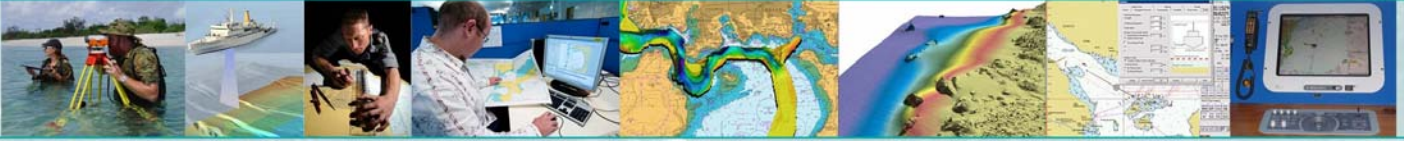
The Maritime Safety Administration (MSA) of China offered to host the next meeting WWNWS12 during the last week of August or the first week of September 2020. It was agreed to investigate this proposal with a view to a final decision before the end of 2019; details will be published on the WWNWS-SC page of the IHO website when available.

When finalized the report of WWNWS11 will be posted in the IHO website, where all the meeting documents are already available ([www.iho.int](http://www.iho.int) > Committees & WG > WWNWS-SC > WWNWS11)



**WWNWS-SC Chair, Mr Peter Doherty, cutting the anniversary cake during a break in plenary sessions of WWNWS11**





## 9<sup>TH</sup> MEETING OF THE MARITIME LIMITS AND BOUNDARIES PROJECT TEAM (S-121PT)

IHO Secretariat – Monaco, 19-23 August

### Contribution to the IHO Work Programme 2019

Task 2.3.4	Develop and maintain S-10x Product Specifications
------------	---

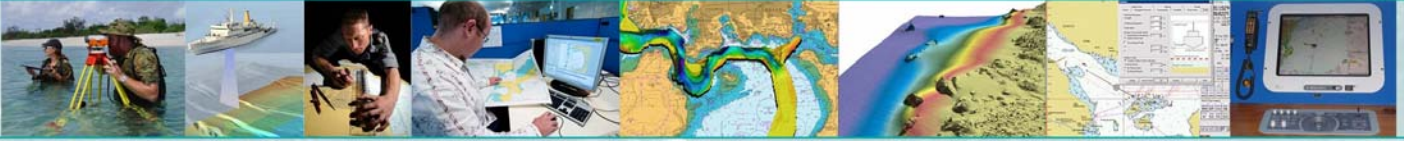
The Maritime Limits and Boundaries Project Team (S-121PT) held their 9<sup>th</sup> meeting at the IHO Secretariat, (Monaco) from 19 to 23 August 2019. Fourteen Member State representatives from Australia, Canada, China, Korea (Rep of) and the United Kingdom (UK) attended the meeting. Industry members from IIC Technologies and Cooley also attended the meeting. Members from Canada, France, USA and the United Nations - Division of the Oceans and Law of the Sea (UN-DOALOS) also participated in the meeting via online teleconference link. The meeting was opened by Director Mustafa Iptes, and Assistant Director Anthony Pharaoh represented the IHO Secretariat during the meeting.

The primary objective of the meeting was to review feedback provided on the draft Edition 1.0.0 S-121 Product Specification documents. The meeting considered 435 comments received from Member States, the S-100 Working Group, industry and the IHO Secretariat. More than three hundred and sixty of the comments were, either accepted for inclusion in the current edition, or for inclusion in a future edition.



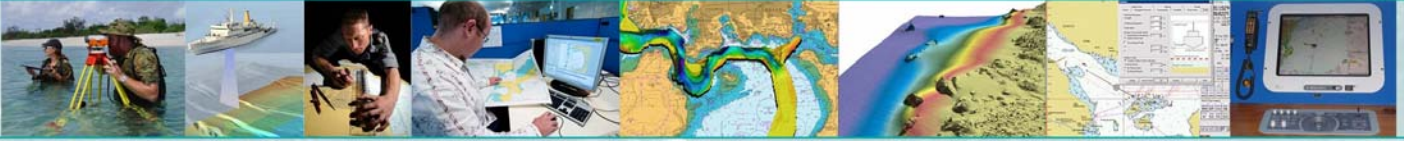
*The participants of the 9<sup>th</sup> S-121 Project Team Meeting.*





A presentation was provided on a pilot project to test the S-121 Product Specification. The project will be undertaken by the Open Geospatial Consortium (OGC). Its main objectives will be to test the implementation of the S-121 data model and to highlight any geospatial interoperability issues. It is the intention to publish S-121 Edition 1.0.0 for evaluation and testing. It was decided that the date and venue of the next meeting will be determined after the specification have been tested and sufficient feedback have been received.





## 9<sup>TH</sup> SESSION OF THE UN COMMITTEE OF EXPERTS ON GLOBAL GEOSPATIAL INFORMATION MANAGEMENT (UN-GGIM)

7 - 9 August 2019, New York, USA

### Contribution to the IHO Work Programme 2019

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 9<sup>th</sup> 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 7 to 9 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).

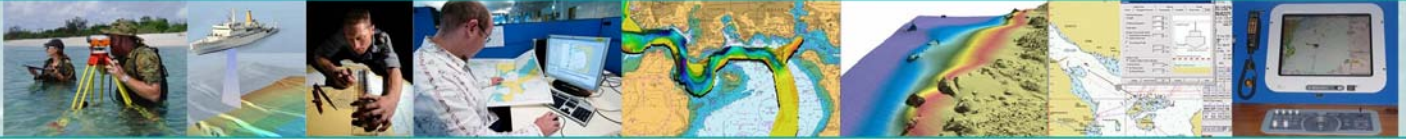
Overall 424 participants attended the UN-GGIM, 301 of them representing 94 UN Member States and 123 representing 70 observing organisations – amongst them IHO, represented by the Secretary-General of the IHO, Dr Mathias Jonas.

Of special relevance for the IHO work programme was the report given under Agenda Item 10 *Marine geospatial information* by the Working Group on Marine Geospatial Information and Agenda Item 15.

The Working Group on Marine Geospatial Information under the leadership of John Nyberg (USA), established by UN-GGIM 7 in 2017, reported to the Committee of Experts for the second time. The Committee welcomed the report of the Working Group on Marine







Geospatial Information, and noted its progress, including the initiation of a use-case exercise on data availability and interoperability. The Chair highlighted that the group has utilized the Integrated Geospatial Information Framework as mechanism for articulating and demonstrating national leadership in marine geospatial information and that its nine strategic pathways are the appropriate means towards implementing integrated marine geospatial information systems in a way that will deliver a vision for sustainable social, economic and environmental development. He insisted that marine geospatial information must be made available, accessible and discoverable for a multiplicity of purposes. The Committee invited the Working Group to consider the variety of marine data sources that may be available, and in this regard, consider capacity development activities to strengthen marine geospatial information capabilities in developing countries and Small island developing states.

The Delegates noted the updated work plan for the biennium 2019 -2020 and requested that the Group consider engaging with the United Nations Decade of Ocean Science for Sustainable Development and related international initiatives, including the Seabed 2030 project. In the course of the discussion it became a specific item of note that the participation of IHO and OGC representatives has strengthened the WGs commitment to promoting geospatial standards, including the IHO S-100 suite of standards, and looks forward to the preparation of a practical guide for the use of geospatial standards in marine data. The Committee requested the Working Group to consider extending the use-case exercise to a broader audience beyond the group members as to enable better understanding of the challenges and issues to address, including to provide real world examples of the benefits of and need for readily available and accessible marine geospatial information. Finally, encouragement was given for a broader geographic participation from Member States in the WG, including from Africa and Small Islands Developing States.

The report on the *Implementation and adoption of standards for the global geospatial information community* (Agenda Item 10), was brought to the attention of the Committee by the Secretary-General IHO. He assured the Committee that many diverse and collaborative standards development and implementation activities carried out by the three standards development organizations in the global geospatial information management community. The Delegates expressed their appreciation to the three collaborating standards development organizations, the Open Geospatial

Consortium (OGC), the Technical Committee 211 of the International Organization of Standardization (ISO) and the International Hydrographic Organization (IHO) for the continuing support and valuable work. The ongoing contribution in the development of guidance and recommended actions for the standards pathway for the implementation Guide of the Integrated Geospatial Information Framework was welcomed as well. The

### Tweets by @UNGGIM

UN-GGIM Retweeted



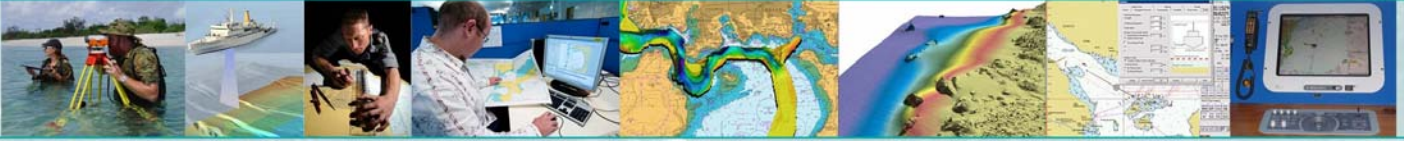
markiliffe  
@markiliffe

Dr Mathias Jonas, Secretary General of the International Hydrographic Organisation, details the critical nature of open international standards and the work of the IHO, @isostandards, and @opengeospatial



20h





Committee requested the standards development organizations to continue to liaise and work with Member States with technical standards development and adoption, and keep the Committee informed of their ongoing work regarding the use of geospatial standards in supporting the implementation of national geospatial data and systems, the Integrated Geospatial Information Framework and the measurement and monitoring of the SDGs, and encouraged the regional committees, thematic networks and working groups of UN-GGIM to continue to improve knowledge, raise awareness about and engage in the development and promotion of internationally agreed and open geospatial standards.

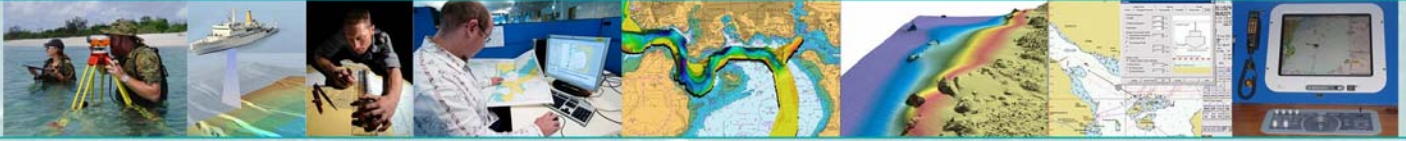
The Group of the three Standard Developing Organizations agreed to continue the strong liaison on all levels to support the UN-GGIM process further.

The next Session of the Committee is planned at the UN Headquarters, New York, from 5th August to 7th August 2020.



***IHO Secretary-General Dr Mathias Jonas, Agneta Engberg Chair ISO/TC211, Mark Reichardt, OGC, Chris Body ISO/TC211 Australia.***





## 32<sup>ND</sup> MEETING OF THE IHO-IOC GEBCO SUB-COMMITTEE ON UNDERSEA FEATURE NAMES (SCUFN)

Kuala Lumpur, Malaysia, 5 – 9 August

### Contribution to the IHO Work Programme 2019

Task 3.6.1	Organize, prepare and report annual meetings of ... associated bodies including...SCUFN
---------------	---

The 32<sup>nd</sup> meeting of the IHO-IOC GEBCO Sub-Committee on Undersea Feature Names (SCUFN) was hosted by the Royal Malaysian Navy and Petronas in Kuala Lumpur, Malaysia, from 5 to 9 August 2019.

The meeting, chaired by Dr Hyun-Chul Han (IOC representative) from the Korean Institute of Geoscience and Mineral Resources (KIGAM – ROK), was attended by 28 registered participants, which consisted of eleven of the 12 SCUFN members (six IOC and five IHO representatives) and 17 observers, including Mr Shin Tani, Chair of the GEBCO Guiding Committee (GGC), Mr Tetsushi Komatsu (IOC Secretariat), Marine Regions and representatives of China, India, Japan, Malaysia, Philippines, ROK and Russian Federation. Representatives of NOAA (USA) and KHOA (ROK) in charge of the integration of SCUFN operational web services and GEBCO Gazetteer were also present. Assistant Director Yves Guillam (SCUFN Secretary) represented the IHO Secretariat.

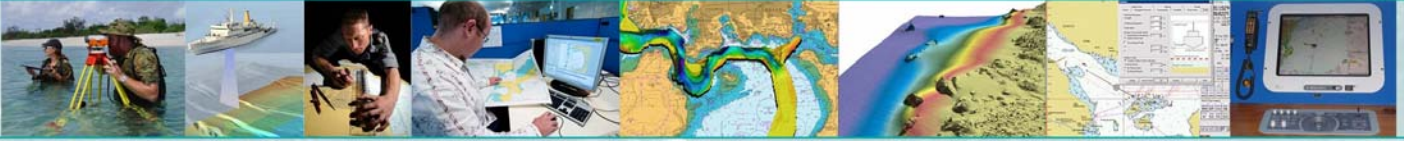
The meeting was opened by Senator Liew Chin Tong, Deputy Minister of Defence (Malaysia). Senator Tong was joined by Vice Admiral Datuk Khairul Anuar bin Yahya, Deputy Chief of Royal Malaysian Navy, Rear Admiral Hanafiah bin Hassan, Chief Hydrographer of Malaysia and Ms Zuhaidah Binti Zulkifli, Senior General Manager, Governance and Strategic Relationships, Malaysia Petroleum Management (MPM), PETRONAS. Senator Tong stressed the importance of the work of SCUFN and called for multilateralism in order to achieve progress amidst a setting of disputes and escalating interest in maritime issues, especially in Southeast Asia region. A specially-prepared montage video<sup>1</sup> was shown as part of the event and mementos were presented to the SCUFN Members.



The Sub-Committee considered proposals for 187 undersea feature names, submitted by various bodies and supporting organizations from Argentina (2), Ascension - St Helena (1),

<sup>1</sup> <https://drive.google.com/file/d/1P738YljT3s9bXqScSKWTuxFiHoysrd7y/view>



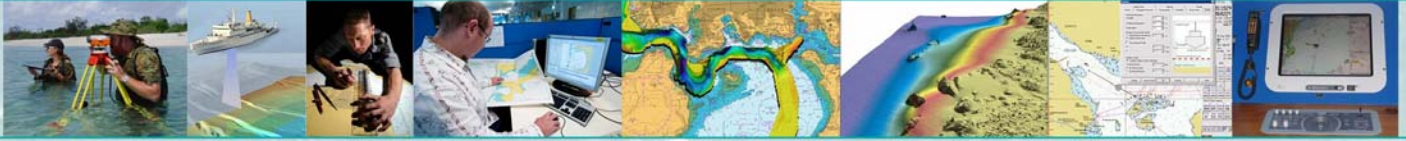


Brazil (15), China (35), Germany (1), Japan (52), Japan together with USA (9), Malaysia (2), Philippines (37), Republic of Korea (3), Republic of Palau (11), New Zealand (18) and USA (1).

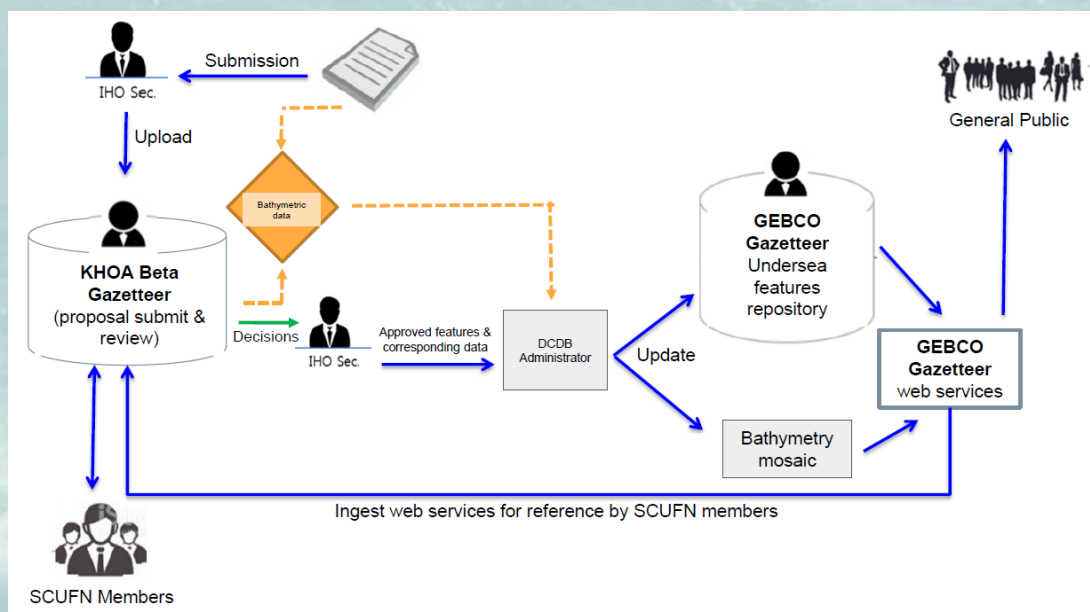


Thanks to the increasing quality of submissions, a large number of the names proposed to the Sub-Committee were accepted in a very efficient and speedy manner, under the Chairmanship of Dr Han who made the best of the outcome of the pre-review made by SCUFN members through the [scfn.ops-webservices.kr](http://scfn.ops-webservices.kr) assessment interface. SCUFN thanked the NOAA representative for the major enhancements made recently in the GEBCO





Gazetteer as well as KHOA representatives for the development of the integration of different SCUFN web services. The general principles of this integration, depicted in the diagram below, were agreed and the full integration aiming to avoid duplication and make the whole process much more efficient, is expected within two years.



In addition to the analysis of naming proposals, the Sub-Committee considered several “corporate” issues, including:

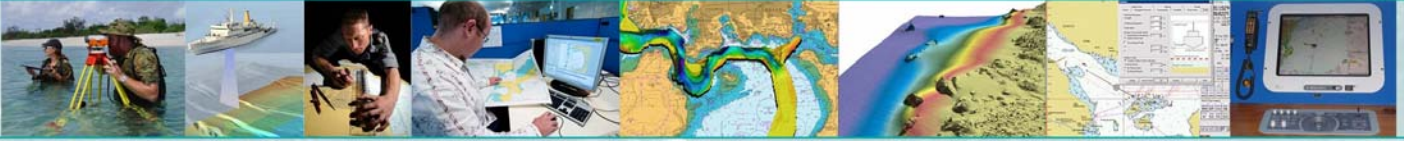
- The first comments received through the voting procedure by the IHO Member States for the adoption of the new edition 4.2.0 of B-6 that includes pragmatic suggestions on the release of associated bathymetric data to the IHO Data Center for Digital Bathymetry (DCDB);
- The importance of multilateral consultations between proposers prior to SCUFN meetings when the feature may be located in areas of mutual interests, such as the South China Sea, otherwise some coastal States will never be in a position to make naming proposals if these cases are systematically categorized as being “politically sensitive” in accordance with SCUFN Rules of Procedures 2.10.

SCUFN noted the statements made by some coastal States by which they wish to be kept informed of the proposals located in their areas of jurisdiction.

SCUFN also agreed on the need to pursue the development of a general strategy and possible guidelines defining the optimal horizontal resolution between undersea features that are eligible for naming. Several objectives need to be considered for this task:

- the consequences of the development of GIS tools (by Canada for instance) able to discover features automatically, as long as the generic term definitions become more





geometrically robust, a task which is in the scope of the Undersea Feature Names Project Team and the Generic Term Sub-Group;

- clutter reduction;
- the categorization minor features that can be now unveiled by new sensors technologies.

The GGC will be requested to provide some guidance on this matter as it could impact the SCUFN Terms of Reference.

At the end of the meeting, the Sub-Committee welcomed the offer made by Argentina to host the next meeting in November 2020 in Buenos Aires.