

IHO File No S3/0302/HSWG

**CIRCULAR LETTER 09/2021**  
**23 February 2021**

**COMPOSITION OF THE IHO  
HYDROGRAPHIC SURVEYS WORKING GROUP (HSWG)**

**Reference:** IHO CL 36/2020 dated 9 November - *Establishment of the IHO Hydrographic Surveys Working Group (HSWG)*

Dear Hydrographer,

1. The Circular Letter in Reference invited nominations to participate in the IHO Hydrographic Surveys Working Group (HSWG) and, if applicable, provide possible candidacy as an office bearer.

2. The IHO Secretariat thanks the following 24 Member States that responded with nominations: Australia, Belgium, Brazil, Canada, Chile, Denmark, Ecuador, France, Germany, India, Islamic Republic of Iran, Italy, Latvia, Mexico, Netherlands, New Zealand, Norway, Portugal, Republic of Korea, Spain, Sweden, Turkey, United Kingdom and United States. One observer organization, IFHS, nominated a representative and nine stakeholder organizations (David Evans and Associates, EGC International, EOMap, Fugro, Hogere Zeevaartschool, iXblue, JOA Surveys, Kongsberg Marine and Teledyne Marine) proposed expert contributors. The list of nominations is attached at Annex A.

3. Taking into account the two nominations received for the roles of Chair and Vice-Chair, the IHO Secretariat proposes that David Parker (United Kingdom) is appointed as Chair and Megan Greenaway (United States) as Vice-Chair. The IHO Secretariat would like to thank Portugal for the nomination of Carlos Videira Marques as Secretary to the HSWG. The nominations are reflected in the list of members and subject to no objection being received from the members by **08 March 2021**. The IHO Secretariat will invite the Chair to initiate the work of the Working Group.

4. The Terms of Reference for the HSWG are provided at Annex B for ease of reference. The point of contact within the IHO Secretariat will be Assistant Director David Wyatt ([adso@iho.int](mailto:adso@iho.int)).

On behalf of the Secretary-General  
Yours sincerely,



Abri KAMPFER  
Director

Annexes:

- A. List of members for the IHO Hydrographic Surveys Working Group (HSWG)
- B. Terms of Reference of the Hydrographic Surveys Working Group (HSWG)

Copy: All nominees (*by e-mail*)

**IHO Hydrographic Surveys Working Group (HSWG)  
List of Members**

<b>Member State</b>	<b>Organization</b>	<b>Name</b>	<b>E-mail (correspondence)</b>
Australia	Australian Hydrographic Office (AHO)	Andrew Coulls	andrew.coulls@defence.gov.au
Belgium	Vlaamse Hydrografie	Johan Verstraeten	johan.verstraeten@mow.vlaanderen.be
Brazil	Diretoria de Hidrografia e Navegação (DHN)	Anderson Peçanha	a.pecanha@marinha.mil.br
Canada	Canadian Hydrographic Service (CHS)	Andrew.Leyzack	Andrew.Leyzack@dfo-mpo.gc.ca
Chile	Servicio Hidrográfico y Oceanográfico de la Armada de Chile (SHOA)	Luis Montecinos	lmontecinos@shoa.cl
Denmark	Danish Geodata Agency (DGA)	Belén Jiménez Barón	bejim@gst.dk
Ecuador	Instituto Oceanográfico de la Armada del Ecuador (INOCAR)	Jorge Alavera Alvarado	jorge.alavera@inocar.mil.ec
France	Service hydrographique et océanographique de la Marine (SHOM)	Jeremy Rossetto	jeremy.rossetto@shom.fr
Germany	Bundesamt für Seeschifffahrt und Hydrographie (BSH)	Jean-Guy Nistad	jean-guy.nistad@bsh.de
India	Indian National Hydrographic Office (INHO)	Vishal Sharma	inho@navy.gov.in doh@navy.gov.in
IR of Iran	National Cartographic Center	Ali Soltanpour	asoltanpour@yahoo.com
Italy	Istituto Idrografico della Marina	Enrico Zanona	enrico.zanone@marina.difesa.it
Italy	Istituto Idrografico della Marina	Ilenia Batzu	ilenia_batzu@marina.difesa.it
Korea	Korea Hydrographic and Oceanographic Agency (KHOA)	Tae-Heon Kim	heukchoo@korea.kr
Korea	Korea Hydrographic and Oceanographic Agency (KHOA)	Yeong-hwa Jeong	skarein@korea.kr

Latvia	Maritime Administration of Latvia (LHD)	Bruno Spels	bruno.spels@lhd.lv
Mexico	Dirección General Adjunta de Oceanografía, Hidrografía y Meteorología (DIGAOHM) de Marina Armada de México	Adrián Montúfar	icn.adrianmontufar@gmail.com
Netherlands	Netherlands Hydrographic Office (NIHO)	Merte Peeters	MPJ.Peeters@mindef.nl
New Zealand	Land Information New Zealand (LINZ)	Bradley Cooper	bcooper@linz.govt.nz
Norway	Norwegian Mapping Authority Hydrographic Service	Arne Edmund Ofstad	Arne.Ofstad@kartverket.no
Portugal	Instituto Hidrográfico (IH)	João Vicente	dt.hi.chf@hidrografico.pt
Portugal	Instituto Hidrográfico (IH)	Carlos Videira Marques (Secretary)	Videira.Marques@hidrografico.pt
Spain	Instituto Hidrográfico de la Marina (IHM)	Jose María Cordero Ros	jcorros@fn.mde.es
Sweden	Sjöfartsverket (SMA)	Hans Öiås	hans.oias@sjofartsverket.se
Turkey	Seyir Hidrografi ve Oşinografi Dairesi Başkanlığı (SHODB)	Nurî Karaaslan	nkaraaslan@shodb.gov.tr
UK	United Kingdom Hydrographic Office (UKHO)	David Parker (Chair)	david.parker@ukho.gov.uk
UK	United Kingdom Hydrographic Office (UKHO)	Alistair Philip	alistair.philip@ukho.gov.uk
USA	US Navy	Steven Posey	steven.c.posey@navy.mil
USA	National Oceanographic and Atmospheric Administration - Office of Coast Survey (NOAA-OCS)	Neil Weston	neil.d.weston@noaa.gov
USA	National Oceanographic and Atmospheric Administration - Office of Coast Survey (NOAA-OCS)	Megan Greenaway (Vice-Chair)	Megan.Greenaway@noaa.gov
USA	National Geospatial Agency (NGA)	Doug Roush	Douglas.L.Roush@nga.mil douglas.roush@gmail.com
IHO	IHO	David Wyatt	adso@iho.int
<i>Observer</i>			
Expert Contributor	Hogere Zeevaartschool	Axel Annaert	axel.annaert@hzs.be

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Expert Contributor	Fugro	Hugh Parker	h.parker@fugro.com
Expert Contributor	Fugro/International Federation of Hydrographic Societies (IFHS)	Iain Slade	i.slade@fugro.com iain.slade@outlook.com
Expert Contributor	iXblue/AFhy Francophone Hydrographic Society	David Vincentelli	david.vincentelli@ixblue.com
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Expert Contributor	David Evans and Associates	Jason Creech	jasc@deainc.com
Expert Contributor	EOMap	Knut Hartmann	hartmann@eomap.de
Expert Contributor	JOA Surveys	Nathan Wardwell	nathan@joasurveys.com
Expert Contributor	Kongsberg Maritime	Kjetil Jensen	Kjetil.Jensen@km.kongsberg.com
Expert Contributor	Teledyne Marine	Vitad Pradith	vitad.pradith@teledyne.com

## **HYDROGRAPHIC SURVEYS WORKING GROUP (HSWG)**

### **Terms of Reference**

(as adopted by HSSC12, October 2020 including amendments to Annex B to Doc. HSSC12-05.6A agreed at the meeting)

#### **1. Introduction**

The International Hydrographic Organization (IHO) is an intergovernmental consultative and technical organization that was established in 1921 to support safety of navigation and the protection of the marine environment. The objectives of the IHO are:

- a. Promote the use of hydrography for the safety of navigation and all other marine purposes in order to raise global awareness of the importance of hydrography;
- b. Improve global hydrographic capability, capacity, training, science and techniques;
- c. Improve global coverage, availability, quality, and facilitate access to hydrographic data and metadata;
- d. Establish and enhance the development of consistent international standards and guidance for hydrographic data and techniques;
- e. Enhance coordination of hydrographic activities and cooperation among its Member States;
- f. Maintain and develop hydrographic techniques and advancing procedures, liaising with industrial contributors.

At the 5<sup>th</sup> meeting of the IHO Hydrographic Services and Standards Committee (HSSC5) it was noted that, after the restructuring of the HSSC Working Groups, there was not a single WG focused on hydrographic surveying. At HSSC8 a Project Team on Standards for Hydrographic Surveys (HSPT) was established to review IHO publication S-44 – *Standards for Hydrographic Surveys* – with the task of preparing a draft 6<sup>th</sup> Edition. In addition the HSPT was tasked to submit a proposal and recommendation on whether the HSPT should continue as a standing working group with details of appropriate tasks for the proposed working group to undertake.

At HSSC12 it was agreed that there was a need for a standing working group, a Hydrographic Surveys Working Group (HSWG), whose focus should be on all aspects related to the conduct of hydrographic surveys and the maintenance of relevant IHO publications.

## **2. Objective**

- a. Maintain IHO publication S-44 – *Standards for Hydrographic Surveys* – preparing and proposing revisions and amendments to reflect changes in the demands of hydrographic data users, particularly those pertaining to data quality and standards;
- b. Update IHO publication C-13 – *IHO Manual on Hydrography* – to reflect current techniques, methodologies and survey systems, in particular to ensure harmonization with the standards articulated in S-44;
- c. Support the education on the use of S-44 by developing supporting documentation to articulate best practice guidance;
- d. Support the translation task for S-44 and C-13 to enable their widest possible application and use;
- e. Maintain close liaison with other HSSC and IRCC working groups, in particular the work of the Data Quality Working Group (DQWG) to meet the presentation/visualization requirements of nautical data to the maritime customer, and the CBSC to support the educational and best practice elements;
- f. Identify new systems, technologies and methodologies and exchange experiences, best practice and challenges amongst member states in line with the IHO objectives;
- g. Act as a focal point for hydrographic surveys industry engagement with the IHO.

## **3. Authority**

This WG is subordinate to the HSSC. Its work is subject to HSSC approval.

## **4. Composition and Chairmanship**

- a. The HSWG shall comprise representatives of IHO Member States (MS), Expert Contributors (EC), observers from accredited non-governmental international organizations (NGIO), and a representative of the IHO Secretariat. A membership list shall be maintained and posted on the IHO website;
- b. EC membership is open to entities and organizations that can provide a relevant and constructive contribution to the work of the HSWG;
- c. The Chair and Vice-Chair shall be a representative of a MS. The election of the Chair and Vice-Chair shall be decided at the first meeting after each ordinary session of the IHO Assembly and shall be determined by vote of the representatives of Member States present and voting;
- d. If a Secretary is required it should normally be nominated by the Secretariat;
- e. If the Chair is unable to carry out the duties of the office, the Vice-Chair shall

assume the Chair with the same powers and duties;

- f. ECs shall seek approval of membership from the Chair;
- g. EC membership may be withdrawn in the event that a majority of the Members represented in the HSWG agrees that an EC's continued participation is irrelevant or unconstructive to the work of the HSWG;
- h. All members shall inform the Chair in advance of their intention to attend meetings of the HSWG;
- i. In the event that a large number of EC Members seek to attend a meeting, the Chair may restrict attendance by inviting ECs to act through one or more collective representatives.

## **5. Procedures**

- a. The HSWG should work by correspondence, teleconferences, group meetings, workshops or symposia. The HSWG should meet about once a year. When meetings are scheduled, and in order to allow any HSWG submissions and reports to be submitted to HSSC on time, HSWG meetings should not normally occur later than nine weeks before a meeting of the HSSC;
- b. Decisions should generally be made by consensus. If votes are required on issues or to endorse proposals presented to the HSWG, only the representatives of Member States may cast a vote. Votes at meetings shall be on the basis of one vote per Member State represented at the meeting. Votes by correspondence shall be on the basis of one vote per Member State represented in the HSWG;
- c. The HSWG should liaise with other IHO bodies, international organizations and industry to ensure the relevance of its work and timely notice of changes to the standards;
- d. The HSWG should report to HSSC on its activities and submit a rolling two-year work plan, including expected time frame and milestone targets.