



Hydrographic Services and Standards Committee

H2SPT Report

Defining the HSWG SCOPE

HSSC-8

Ref doc: HSSC8-05.7A

## ***Paper for Consideration by HSSC***

Report of the Correspondence Group on HSSC–H2SPT

***Submitted by:*** Chair, H2SPT

***Executive Summary:*** This paper reports on the outcome of the Correspondence Group on HSSC H2S PT HYDROGRAPHIC SURVEYS SCOPING PROJECT TEAM (H2S PT) (HSSC7 action 7/02 and 7/03).

***Related Documents:*** Final minutes of HSSC-7 (paragraph 3.c);

Terms of Reference and Rules of Procedure of H2SPT;

***Related Projects:*** Hydrographic Survey Work Group.



***Chair:*** Cap. Nickolás de Andrade Roscher, Brazil

***Vice-Chair:*** Vacant

***Secretary:*** Mrs Megan Palmer Greenaway, USA

***Member States:***

Argentina, Australia, Belgium, Brazil, Chile, France, Germany, Italy, Japan, New Zealand (2), Nigeria, Portugal, Russian Federation, Sweden, Sweden, Turkey, Ukraine, Ukraine, USA(2).

***Expert Contributor Organisations:***

CARIS, FIG, IFHS, Fugro LADS Corporation Pty Ltd, Fugro Pelagos Inc., Nigerian Ports Authority



# Principal activities and achievements

## START OF THE DISCUSSION:

- ✦ The name of the working group will be Hydrographic Survey Work Group, the group is not tight to only one publication, what about bringing up more than one, may be one for dredging, another one for Environmental Surveys, Offshore Surveys, Gas and Oil Surveys, whatever...



- ✦ Another important thing, in my point of view, is to lease with IBSC to harmonize what is touch on the CAT-A and CAT-B curses once these Standards is supposed to be used as reference to all new surveyors.



# Problems or outstanding issues

The main issue was to maintain the focus of the discussion, and that for was sent a Questionnaire to the members in order to try to get the information needed to define if it was really necessary to create the HS-WG and to define the scope of it.



# Out comes.

## Objectives:

. To prepare a draft 6th Edition of IHO publication Standards for Hydrographic Surveys (S-44) for approval by Member States. When undertaking this task the WG should consider, as a minimum, the following matters:1

i) To review the text of the S-44 5<sup>th</sup> Edition and identify where improvements can be made.

ii) The applicability of the S-44 standard to all existing, emergent and future technologies, verifying the possibility to include for instance: Interferometric SSS, High frequencies MB, LIDAR, Crowd Sourcing bathymetry, Satellite bathymetry, Water Column /Multidetector, and Seafloor Backscatter as appropriate.





iii) To bring up the needs of the users of the data, this may require the WG to look beyond bathymetry towards other navigational requirements such as seafloor characterization and the possible use of statistically generated surfaces as an output of hydrographic surveys, **AIMING RESTRICTIVELY SAFETY OF NAVIGATION.**

iv) **DEFINE**, if and as appropriate, a relationship between survey orders in the IHO S-44 Publication and CAT ZOC used in S-57 ENC.

v) Specify the way forward of the HSWG defining further actions working with other themes like Dredging, Offshore Construction, and others beyond Safety of Navigation.



## Recommendations and the way forward:

- 1 - The Project Team recommends establishing the HSWG.
- 2 - As a first approach the main Task should be to update the S-44 Publication and further on to liaise with other IHO bodies to verify the possibility to update/create other IHO Publications.
- 3 - The Project Team understands that the MS that have already enrolled to the Project Team will be able to run the Tasks needed at least to update the S-44 Publication. Further actions, should be verified if they are pertinent, in order to maintain the WG as permanent, the WG Tasks would be to update/create other Standards as demanded by HSSC.



## Recommendations and the way forward ( cont. ) :

- 4 - It should be run as correspondence WG. Noting that many HOs are exposed to budgetary constraints which reduces significantly, their ability to contribute actively to HSWG, the meetings if any should be face to face whit other HSSC WG where the participation of as many members as possible will be present.



# Action requested of HSSC

- ✦ The H2SPT is invited to:
  - note the report,
  - consider and adopt the proposals,
  - Take any other action as appropriate.

