

**7<sup>th</sup> Meeting of the S-100 Working Group (S-100WG) and 2<sup>nd</sup> Workshop of the Geospatial Information Registry (GI Registry)  
IHO Secretariat, Monaco, 5 – 13 December 2022**

Contribution to the IHO Work Programme 2022	
Task 2.1.2.1	Organize, prepare and report meetings of S-100WG

The 7<sup>th</sup> Meeting of S-100 Working Group (S-100WG7) and the 2<sup>nd</sup> IHO Geospatial Information Registry Workshop were held at the IHO Secretariat, Monaco from 5 to 9 December and from 12 to 13 December 2022 respectively. Both the S-100WG7 meeting and the Workshop were conducted as face to face meetings and also arranged as a live streaming event.

The S-100WG7 meeting was chaired by Ms Julia Powell (USA), supported by Co-Vice Chairs Ms Elizabeth Haessy (Denmark) and Ms Iji Kim (Republic of Korea). 63 delegates from 26 Member States (Australia, Brazil, Canada, Chile, China, Denmark, Egypt, Finland, France, Germany, Greece, India, Indonesia, Italy, Japan, Malta, Netherlands, New Zealand, Nigeria, Norway, Portugal, Republic of Korea, Romania, Sweden, United Kingdom and USA), 4 External Liaisons (International Electrotechnical Commission (IEC), Inland ENC Harmonization Group (IEHG), International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA) and NATO Geospatial Maritime Working Group (GMWG)), and 25 Expert Contributors were registered for the meeting. The IHO Secretariat was represented by Director Abri Kampfer, Assistant Director Yong Baek and Technical Standards Support Officer Jeff Wootton.



*Welcome address and plenary session for S-100WG-7*

Director Abri Kampfer in his welcome address reported on the IMO approval for S-100 to be included in a Revision to the ECDIS Performance Standards; and that S-100 ECDIS will be allowed for use on vessels from 1 January 2026 and from 1 January 2029 all new-builds must comply with the new IMO Resolution on ECDIS Performance Standards. He encouraged Member States to achieve substantial coverage of S-101 and related products by 2026, referenced the S-100 Roadmap and requested increased active contribution by Member States in S-100 related Working Groups and Project Teams.

The Chair opened the meeting informing participants that major items to be discussed at the meeting were proposals for Corrections and Clarifications for inclusion in S-100 Edition 5.1.0; approval of S-

101 Edition 1.1.0; S-98 Interoperability Progress; S-164 Test Data Set Development; and S-100 Validation. Subsidiary S-100WG Project Team (S-102 and S-129) meetings would follow the S-100WG7 Plenary as side events.

During a session on matters arising from IHO Council and HSSC, the revised S-100 Implementation Roadmap and the S-100 timeline was reviewed; recognizing the prioritized S-100 based Product Specifications and critical framework Standards such as S-98 (Data Product Interoperability in S-100 Navigation Systems) and S-128 (Catalogue of Nautical Products); and especially noting that Edition 1.0.0 of S-164 (IHO Test Data Sets for S-100 ECDIS) should be published by the end of 2023. Further discussion took place regarding responsibility for S-98 Interoperability Catalogue (IC) development in order to test Edition 1.0.0 of S-98. The meeting agreed to establish an S-98 Sub-Group and submit a request to HSSC for approval of the establishment of this Sub-Group.

The S-101 ENC Project Team reported on progress made on S-101 development and requested S-100WG approval of S-101 Edition 1.1.0 components in two steps: Step1 being S-101 Main Document and DCEG approval at the meeting; and Step2 being Catalogues, Validation Checks and Test Datasets approval via WG letter in March 2023. The S-100WG approved Step1 during the meeting and agreed to proceed with the approval of Step2 through S-100WG Letter in early 2023.

The meeting reviewed 21 proposals for Edition 5.1.0 of S-100; and agreed on the incorporation of approved proposals in a final redline draft Edition 5.1.0 of S-100. However, for those proposals requiring further technical detail these will be discussed at the next S-100 Test Strategy Meeting (TSM9) in March 2023 and reported to the S-100WG for inclusion in the final draft of Edition 5.1.0 of S-100 for submission to HSSC15 (June 2023) for endorsement; or deferral to a future Edition of S-100.

The progress report for Edition 1.0.0 of S-98 and development of S-164 were presented and the meeting tasked the S-100 TSM to review and determine the way forward for S-98 “*unresolved comments*”; the IHO Secretariat to create one landing page for S-164; and the S-164 Sub-Group to draft an initial package of Edition 1.0.0 of S-164 for review at S-100 TSM9.

The 2<sup>nd</sup> Workshop of the IHO Geospatial Information (GI) Registry, which was held following the S-100WG7 meeting, was opened by Assistant Director Yong BAEK, who informed participants that the purpose of the Workshop was to provide an introduction to the Registry structure; demonstrate and review the Proposal Process and GI Registry Roles; and demonstrate the GI Registry tools included in the S-100 Tool Kit.

Technical Standards Support Officer Jeff Wootton, as the GI Registry Manager, presented the structure and interface of the GI Registry and facilitated discussion on possible improvements to the GI Registry interface and development of a “conventions and guidelines” document for the GI Registry. Through live demonstration and individual interaction on site, participants gained clearer knowledge and experience on the concept and structure of the GI Registry; and the considerations for the proposal submission and approval processes relevant to the roles within the GI Registry and its component Registers.

The next S-100 Test Strategy Meeting (TSM9) will be held in the Republic of Korea from 7 to 10 March 2023; while the 8<sup>th</sup> meeting of S-100WG is planned to be held in Singapore from 13 to 17 November 2023.



*S-100WG-7 face to face participants*