

**14<sup>th</sup> Meeting of the Data Quality Working Group (DQWG)**  
**IHO Secretariat, Monaco, 5 – 8 February 2019**

Contribution to the IHO Work Programme 2019	
Task 2.1.2.6	Organize, prepare and report meetings of NIPWG
Task 2.4.9	Maintain S-67 – Mariners' Guide to Accuracy of ENC's

The 14<sup>th</sup> meeting of the Data Quality Working Group (DQWG) took place at the IHO Secretariat, Monaco, from 5 to 8 February.

Director Abri Kampfner welcomed the participants and gave a short opening address stressing the transversal role of the DQWG in the IHO and the large expectations from Member States to get data quality guidance for harmonizing purposes. The meeting was chaired by Mr Rogier Broekman (Netherlands). Thirteen delegates from 11 Member States (Brazil, Canada, Denmark, Finland, France, Italy, Japan, Netherlands, Norway, United Kingdom and United States) attended the meeting. The Secretary-General of the IHO made an intervention during the meeting, highlighting the increasing interest in data quality in support of marine knowledge, decision making by mariners and the development of autonomous shipping. The IHO Secretariat was represented by Technical Standards Support Officer Jeff Wootton and Assistant Director Yves Guillaum. Assistant Director Alberto Costa Neves attended the meeting as well, mainly as liaison for MSDI, C-55 and Capacity Building/Educational matters, in relation to data quality and data integrity.

Following the review of the Terms of Reference of the DQWG, the meeting agreed to submit an amendment for the approval of the HSSC, aiming to offer the possibility for the DQWG to provide advice related to data quality in all areas and not only limited to Product Specifications managed by the S-100WG.

The Chair provided a status report on the harmonization of data quality indicators, describing how IHO Members allocate S-44 values for different types of survey techniques (including crowd sourced bathymetry, satellite derived bathymetry, LIDAR) and translate these to CATZOC values. Examples of generalization (aggregation) issues of current CATZOC values across ENC compilation scales were also discussed, while steadily keeping in mind the key objective that the DQWG is tasked to develop guidance on quality aspects that will help the Member States to allocate meaningful quality values of bathymetric data in future S-101 ENC. To this end, a document will be created describing the conversion of S-57 (M\_QUAL/CATZOC) to S-101 (Quality of Bathymetric Data).

The DQWG reviewed all the comments received on its first draft of the Data Quality Checklist for Product Specifications that is planned to become a component of Part C of IHO Publication S-97 – *IHO Guidelines for Creating S-100 Product Specifications*. Graphical examples still need to be included in this Part C.

The Chair reported that the DQWG had received requests to review the data quality components of the S-101, S-102 and S-127 Product Specifications. These were checked against the draft Part C, with feedback to be provided to the responsible Working Groups.

During an interactive workshop, the meeting considered methodologies for the display of quality information. A benchmarking of proposals and current standards was made, for two user modes: route planning and route monitoring. While noting the obstacles of an evolution of the regulations and ECDIS standards in the short term, several findings were identified during the workshop that will help to define a new portrayal concept. When finalized, it will be submitted to the other HSSC Working Groups for testing, and possible implementation in the design of future S-101 ECDIS.



The DQWG reviewed the significant number of comments and concerns received on the draft Publication S-67 - *Mariners' Guide to Accuracy of Depth Information in ENC's* - and agreed to propose a new way forward at the next HSSC meeting.

The next meeting is planned at the IHO Secretariat, Monaco, from 4 to 7 February 2020.

Further information concerning the meeting is available on the IHO web site at [www.iho.int](http://www.iho.int) > Committees & WG > DQWG > DQWG-14 > Documents.



*Participants in the DQWG-14 meeting, IHO Secretariat, Monaco*