**LIST of DECISIONS & Actions arising from DQWG19**

* **version 1.0, 26 March 2024 -**

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| **Agenda item** | **Subject** | **Title** | **Remarks** |
| 1. **Opening and Administrative Arrangements**
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| 1.5 | Agenda | **[Decision 19/01] DQWG approved** the draft agenda as presented at the meeting  |  |
| 1.6 | Minutes | **[Decision 19/02] DQWG approved** the DQWG 18 Final Minutes. |  |
| 1.7 | Status of Actions from DQWG 18 | **DQWG** noted the status of actions from DQWG18. |  |
| 1.8 | DQWG Terms of Reference | **[Decision 19/03] DQWG endorse** the amendments to DQWG ToRs.**[Action 19/01] Chair** to submit it to HSSC for approval. | *DQWG\_TOR\_E\_updated\_MAR25\_2024.doc* |
| 1.9 | DQWG Membership | **[Action 19/02] All members** to provide updates of Membership to Chair teamand IHO Secretariat. |  |
| 1. **Matters Relating to Upper IHO Bodies / Other WGs/PTs**
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| 2.2 | Timeline for the Phase 1 Product Specifications  | **DQWG noted** the timeline for the phase 1 product specifications. |  |
| 2.3 | Decisions and actions from HSSC15 | **DQWG noted** HSSC15 decisions and actions that will affect this working group. |  |
| 2.4 | HSSC ISO 9001 Cell  | **DQWG noted** the new progress on HSSC ISO 9001Cell. |  |
|  2.5 | NIPWG Report | **DQWG noted** the report of NIPWG, and expressed its gratitude to Mr. Raphael Malyankar for his wonderful presentation. |  |
| 2.6 | TWCWG Report | **DQWG noted** the report of TWCWG, and expressed its gratitude to Mr. Chris Jones for his very impressive presentation. |  |
| 1. **Review S-100 Based Product Specifications for DQ Elements**
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| 3.1 | Cross check of DQ chapter | **[Decision 19/04] DQWG approved** the report on *Cross check of DQ chapter of S-1xx PSs***[Action 19/03] Chair** tofeedback Cross-check results to developers of PSs.**[Action 19/04] SubWG** to continue review of new and amended Product Specifications and report results to DQWG19.**Members** are invited to join the subWG (**Chair, NL, SE, US, UNH**). | Ongoing  |
| 3.2 | Template of DQ chapter | **DQWG noted** the template for the DQ chapter of S-1xx Product Specifications Ed 1.1.0.**[Action 19/05] Chair** to submit the template as revision proposal for Appendix D of S-100 Part 11, to the S-100WG for consideration and possible inclusion in Ed. 6.0.0 of S-100. |  |
| 1. **Provide Data Quality educational materials for the use of mariners**
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| 4.1 | Merging S-66 and S-67 | **DQWG noted** the Report on Merging S-66 and S-67 into a Single IHO Publication and expressed the gratitude to Mr. Thomas Mellor.**[Decision 19/05] DQWG approved** S-66 Ed. 2.0.0 to be posted on HSSC16 website.**[Action 19/06] All Members –** call out to seek comment on S-66 Ed. 2.0.0 until HSSC16 – **April 15th 2024 as deadline**. If comments are received, a Rev1 of Proposed Ed.2.0.0 will be uploaded on the HSSC16 webpage.**[Action 19/07] SubWG** to continue to upgrade S-66 to a new edition and feedback to DQWG19.**Members** are invited to join the subWG (**Chair, SE, US, PRIMAR, NO, IT, UNH**). |  |
| 1. **Guidance to WGs and HOs on DQ aspects**
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| 5.1 | Review of S-1xx Feature Catalogues | **[Decision 19/06] DQWG approved** the Report on the *Review of S-1xx Feature Catalogues.***[Decision 19/07] DQWG approved** the SHOM *Report on the Review of S-101 FC and DCEG***[Action 19/08] SHOM with support from Chair & IHO Secretariat –** to consider sharing the automated ‘cross-check’ script with the broader IHO GitHub for further development and broader application in the development community. Yong Baek would be the person to contact to contribute it to the IHO Infrastructure repository.**[Action 19/09] Chair to feedback** Cross-check results to developers of PSs.**[Action 19/10] SubWG** (led by Mr. Hugo CHONAVEL)to continue the review of new and amended Product Specifications and report results to DQWG19. **Members** are invited to join the subWG (**CN, US, FR, SevenCs**).  |  |
| 5.2 | Discussion on the 3-year implementation plan of S-68（2024-2026） | **DQWG noted** the Report on *Discussion on the 3-year implementation plan of S-68（2024-2026）***[Action 19/11] Chair** to report the draft plan to HSSC16. |  |
| 5.3 | Discussion on the development of S-68 Edition 2.0.0 | **DQWG noted** the Report. **[Decision 19/8] DQWG agreed to** establish a new SubWGto continue the development of S-68 Ed 1.1.0 with a possible eventual S-68 Ed 2.0.0. **Members** are invited to join the subWG. **[Action 19/12] Chair to request** HSSC16 to recommend a reminder to Member States to provide feedback to DQWG on the test of S-68 Ed. 1.0.0.**DQWG noted** a reminder from IHO Secretariat about the future possibility of integration/combination of S-68 with S-65 which is anticipated to be tabled at HSSC16 by the ENCWG. |  |
| 5.4 | Discussion on the CATZOC Value of CSB Data | **DQWG noted** the Report *“Proposal for Improving the Allocation of CATZOC Values of**Crowdsourced Bathymetry Data”* presented by the Chair.**DQWG noted** the “*Comments from CSBWG”* presented Mr. Giuseppe Masetti and expressed gratitude to him and CSBWG.**[Decision 19/9] DQWG agreed to establish a new SubWG** to continue the development of CATZOC allocation scheme for CSB Data. **Members** are invited to join the subWG (Chair, DK)**.****[Action 19/14] Chair to connect** HSWG Chair and CSBWG Chair and discuss the cooperation in thedevelopment of CATZOC allocation scheme for CSB Data. |  |
| 5.5 | The progress of the encoding of POSACC/ SOUACC | **DQWG noted** the Report *“Progress POSACC/SOUACC encoding”* presented by Mr. Svein Skjaeveland (PRIMAR) and thanked him for the excellent report.S101PT Chair (Mr. Tom Richardson) asked if PRIMAR would also include more details to show what producers are increasing encoding, to determine if this increase coming from a small sub-set of ENC Producers.**[Action 19/15] PRIMAR** to consider further analysis to quantifyorder of magnitude of encoding increase (total # of soundings for example). Prior to HSS16 would be most welcomed.**[Action 19/16] Chair with the support of PRIMAR** to report the progress to HSSC16. |  |
| 5.6 | Discussion on the review of S-100 Part4a metadata invited by S-100WG | **[Decision 19/10] DQWG agreed to**review of S-100 Part4a metadata according to the new ISO standard. |  |
| 1. **Revision of S-100 Part4c and S-97 Part C**
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| 6.1 | Review the amendments of S-100 Part 4c | **[Decision 19/11] DQWG approved** the amendments of S-100 Part 4C.**[Action 19/17] Chair** to submit the recommended amendments of Part 4C to S100WG for inclusion in Ed. 6.0.0. |  |
| 6.2 | Review the amendments of S-97 Part C | **[Decision 19/12] DQWG approved** the amendments of S-97 Part C.**[Action 19/18]** **Chair** to submit the amendments of S-97 Part C to the S100WG for inclusion in Ed. 6.0.0. |  |
| 1. **S-100 Validation and DQ**
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| 7.1 | Data quality evaluation of S-100 products | **[Decision 19/13] DQWG noted and approved** the Report *“Data quality evaluation of S-100 products”***[Action 19/19] Chair** to connect with **S100WG Chair** to share this presentation (*“Data quality evaluation of S-100 products”)* and then determine a way forward for recommendations on the data quality evaluation of S-100 products. |  |
| 1. **MASS and DQ**
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| 8.1 | MASS and DQ | **[Decision 19/14] DQWG noted and approved** the Report *“New Progress on MASSPT and Related DQ Issues”*Chair offered to establish a SubGroup to draft a guideline document to explain how to implement data quality evaluation from a MASS user’s perspective. **[Action 19/20] DQWG Chair** to share *“New Progress on MASSPT and Related DQ Issues* presentation with Chair of MASSPT”. A Joint subWG may be established after discussion, and members will be welcomed to join the subWG.  |  |
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| 1. **Discussion of DQWG Work Plan**
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| 9.1 | Work Plan | **[Decision 19/15] DQWG noted and approved** the proposed Work Plan for 2024-25 conditional on completion of **Action 19/21.****[Action 19/21] Chair** to confirm Task B.3 with S100WG and other WG(s) developing product specifications. Work plan item # D1 (1.1.x) & D3 (DQWG20) will also need to be updated. |  |
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| 1. **Any Other Business**
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| 10.1 | Election of Chair, Vice Chair and Secretary | **[Decision 19/16] DQWG Chair** Mr. Lingzhi WU has been reelected and acclaimed as Chair and is congratulated by Members and IHO Secretariat. **DQWG Secretary** Scott Youngblut will continue as Secretary through DQWG20.**[Action 19/22] Members** are invited to considering taking the position of Vice Chair and submit the nomination letter to Chair and IHO secretariat via Member States.  |  |
| 1. **Date and Venue of Next Meeting**
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| 11.1 | DQWG20(2025) | **[Decision 19/17]- DQWG agreed** that the next meeting is scheduled to be a physical meeting in China in 2025 (proposed dates would be the week of March 11-13 2025 – city to be confirmed – all final details to be confirmed before ~September 2024 if the meeting will be hybrid or face-to-face).  |  |
| 11.2 | DQWG21(2026) | **[Action 19/23]- Member States** are invited to consider hosting DQWG21 and otherwise it will default to IHO Secretariat in Monaco. |  |
| 1. **Review of DQWG19 List of Actions and Decisions**
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| 12.1 | Meeting | **[Decision 19/18] DQWG agreed** to have the DRAFT *Review of meeting actions and decisions* posted on the IHO DQWG web-page for consideration/comments from Members. |  |

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