**ANNEX B**

**WENDWG Work Programme 2023-24** (Note: WENDWG Work Programme for 2024-25 to be aligned with new ToRs once approved at IRCC-15)

**Objectives (**WENDWG TORs Ed. 2019 refer)

1. Monitor the development of adequate ENC coverage to meet carriage requirements for ECDIS;

2. Develop proposals for speeding up ENC production and ensuring uniform ENC quality and consistency, and for making data available worldwide, including SENC distribution, taking advantage of any offers for production assistance, or other ways of mutual assistance and co-operation;

3. Advise MS, where appropriate, on the need, as well as on methods and tools for validating the data, and on any assistance which could be offered by the RENCs;

4. Monitor the implementation of the WEND, in response to Decision 21 of the XVIIth IHC, and advise IRCC of appropriate measures for speeding-up the implementation process;

5. Assist in harmonizing the policies of regional ENC Coordinating Centres (RENC) with respect to matters related to administration, legality, finances, technical processes, et cetera.

6. Develop options to expand the value of the Worldwide ENC Database to all marine data users applying data management principles

7. Develop WEND-like Principles, if appropriate, in order to support the production and dissemination of S-101 ENCs and the first generation of S-100 based products

**Tasks**

|  |  |
| --- | --- |
| A | To assess overlapping ENC data issues within ECDIS and make progress to solve them |
| B | To finalise paper on Guidelines on Assessing and Eliminating the Risk of Overlapping ENC Cells |
| C | To progress on RENC Harmonization Issues |
| D | To continue working to attract ENC producer nations to join the RENCs or distribute their ENCs through a RENC |
| E | To ensure data quality and consistency |
| F | To monitor and report ENC coverage report to WENDWG |
| G | *Left blank intentionally* |
| H | To maintain IHO ENC Coverage Catalogue and progress the development of INToGIS **III** aiming to include the catalogue of S-100 Products & Services |
| I | To provide support on capacity Building activities, as appropriate |
| J | *Left blank intentionally* |
| K | *Left blank intentionally* |
| L | To support non-ECDIS maritime community through license management of ENC data |
| M | To support Seabed 2030 Initiative |
| N | To prepare the WEND-100 Principles and associated Guidelines as key component of the Roadmap for the S-100 Implementation Decade |

| **Work**  **Item** | **Title** | **Priority**  H-High  M-Medium  L-Low | **Next**  **Milestone** | **Start**  **Date** | **End Date** | **Status**  P-Planned  O-Ongoing C-Completed S-superseded | **Contact**  **Person(s). Participants** | **Deliverable** | **Remarks** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| B.3 | Monitor the implementation of the IHO Resolution on the Elimination of overlapping ENC data in areas of demonstrable risk to the safety of navigation | M | WENDWG14 | 2018 | Permanent | O | Chair, RHCs, RENCs, IHO Sec | ~~Attention raised by SAIHC~~ | IHO Resolution 1/2018 in force (IHO CL 19/2018 refers). Specific attention to S-101 (outcome of S-57 conversion process in overlapping areas) |
| ~~B.4~~ | ~~Make available a Worldwide AIS traffic density database to the IHO Member States through the IHO GIS System (INToGIS II,…)~~ | ~~M~~ | ~~--~~ | ~~2018~~ | ~~2022~~ | C | ~~US, ROK, IHO Sec.~~ | ~~INToGIS II additional layer at the disposal of ICCWGs~~ | ~~For ENC gap coverage assessment. US NGA leads. Information paper on this layer to be provided by US NGA before layer is commissioned.~~ |
| C.2 | Report on RENC Harmonization issues and progress made | M | WENDWG14 | -- | Permanent | O | RENCs |  | Pending for 2023. EAHC-RECC contribution received. |
| D.3 | Monitor ENC Producers who distribute their ENCs through a RENC | M | WENDWG14 | 2014 | Permanent | O | RENCs, RHCs, IHO Sec. | Updated ENC Data Flow Diagram (EAHC RECC now included) | IHO CL 59/2014 refers. Done for 2022. |
| F.1 | Monitor global and regional **S-57** ENC Coverage | M |  | 2014 | Permanent | C | UK, RHCs | Annual statistics | Reports are now made by RHCs Rep. at WENDWG meetings |
| ~~F.2~~ | ~~Using risk assessment methodologies, identify and consider~~ **~~S-57~~** ~~ENC Gaps~~ | ~~M~~ |  | ~~2014~~ | ~~Permanent~~ | C | ~~RHCs, IHO Sec.~~ | ~~Improved coverage (and supporting survey plans where needed)~~ | ~~To be continued and improved by RHCs. Reports are now made by RHCs Rep. at WENDWG meetings~~ |
| ~~F.3~~ | ~~Update the List of Ports (and moorings) database~~ | ~~M~~ | ~~WENDWG13~~ | ~~2014~~ | ~~Permanent~~ | ~~O~~ C | ~~US, ROK, RHCs~~ | ~~API with INToGIS II~~ | ~~New World Port Index Database (US NGA leads)~~ |
| ~~F.4~~ | ~~Provide relevant SPIs in support of the IHO Strategic Plan 2021-2026~~ | ~~M~~ | ~~WENDWG13~~ | ~~2021~~ | ~~Permanent~~ | ~~O~~ C | ~~tbd~~ | ~~IHO Annual Report~~ | ~~On hold (waiting for IRCC instructions). Proposal by IHO Secretariat planned at IRCC Workshop (April 2022) on SPI 1.2.2.~~ |
| H.1 | Continue the maintenance of the IHO ENC Coverage Catalogue | H |  | 2014 | Permanent | O | IHO Sec., UKHO, RENCs |  |  |
| H.2 | Monitor the development of INToGIS III as part of the IHO GIS Infrastructure | M | WENDWG14 | 2021 | 2030 | O | ROK, IHO Sec. |  | ~~Action WENDWG11/14. Compliance with S-128. Action WENDWG12/23~~ |
| H.3 | Develop approved ENC schemes in every charting regions (S-57 ENCs, now including S-101 ENCs), at least for small scales | H | WENDWG14 | -- | Permanent | O | RHCs | ENC Schemes available online through INToGIS III | Top priority identified in C-1, no progress, ~~put on hold until S-101 becomes a reality.~~ |
| I.1 | Provide support to CBSC on request for compelling requirements in the scope of the WENDWG activities | M |  | 2015 | -- | P | RHCs |  | As appropriate |
| ~~M.1~~ | ~~Consider supporting the Seabed 2030 Initiative through the IHO DCDB with ENC data~~ | ~~M~~ |  | ~~2018~~ | ~~Permanent~~ | C | ~~ENC Producers, RENCs~~ | ~~Bathymetric information extracted from RENC databases~~ | ~~Action WENDWG9/12.~~  ~~Call for IBCSO ver.2 made in 2021~~ |
| ~~N.2~~ | ~~Propose the new WEND-100 Principles to the approval of Member States~~ | ~~H~~ | ~~IRCC-13, then C-5~~ | ~~2020~~ | ~~2021~~ | ~~C~~ |  | ~~IHO Resolution in M-3, and component of Roadmap for the S-100 Implementation Decade~~ | ~~Annex A of WENDWG Report to IRCC-13~~ |
| N.3 | Develop S-101 ENC Scheming Guidelines | H | WENDWG14 | 2021 | 2024 | O | JP leading drafting group | Guidelines | On hold until reports received from RHCs. Action WENDWG12/12 and /13 On standby. |
| N.4 | Maintain S-1xx Implementation ENC Guidelines | H | WENDWG14 | 2021 | 2024 | O | Chair | Guidelines | Fruitful discussion at WENDWG12 |
| N.5 | Contribute and propose amendments to the Roadmap for the S-100 Implementation Decade | M | IRCC16 | 2021 | Permanent | O | Chair |  | Done in 2021. To be considered in 2024 (INToGIS III, etc.). |
| N.6 | Monitor WEND100 –IGIF Matrix per Region /per S-1xx Product) for the S-100 Implementation | H | ~~IRCC-14~~ /WENDWG-14 | 2022 | Permanent | O | Chair |  | ~~Decision/Action WENDWG12/33~~ |
| N8 | Develop new IHO Publication *Guidance for the Preparation and Maintenance of S-100 Products Schemes in RHCs* | M | WENDWG14 | 2024 | 2026 | P | Chair/Vice-Chair/Sec | S-xx | rather than S-11 Part A Section 300. NCWG to revise Section 200. |
| N9 | Monitor RHCs plans to meet the 2026 IMO target (S-100 ECDIS) | H | WENDWG14 | 2023 | 2026 |  | RHCs Reps. |  |  |