

## LIST OF ACTIONS&DECISIONS FROM WENDWG-14

(Version 1.0, as of 4 March 2024)

**Note:** In this list of decisions & actions, when using “*RHCs, HOs, IHO Member States XX, RENCs, WENDWG Sec. to consider, to do, to...*”, it means that decisions and actions are assigned to the representatives of these entities in the WENDWG. Subsequent actions are then to be considered by appropriate bodies.

AGENDA ITEM/WORK IEM	SUBJECT	ACTION No.	ACTIONS&DECISIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at 4 March 2024)
<b>1. Opening Opening - Welcome address by Chair/Director Luigi Sinapi – Objectives of the meeting</b>					
	Welcome addresses	WENDWG14/01	The <b>WENDWG</b> welcomed the opening addresses by Ms Julia Powell, Chief of the Marine Chart Division (NOAA, USA), the WENDWG Chair, and IHO Director Luigi Sinapi, who highlighted the coordinating role of the WENDWG, the importance of defining a S-100 capabilities-based approach at regional level and providing subsequent guidelines to the S-100 Regional Coordinators for a timely and harmonized implementation of the S-100 Roadmap.		
	Objectives	WENDWG14/02	The <b>WENDWG Chair</b> presented the main objectives of the meeting, echoing the IMO Secretary-General and the Director of NASA, “ <i>safety is our priority, failing is not an option</i> ”).		

AGENDA ITEM/WORK IEM	SUBJECT	ACTION No.	ACTIONS&DECISIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at <b>4 March 2024</b> )
01C	WENDWG Membership	WENDWG14/03	<b>Members and RHCs</b> to review the WENDWG Membership List and provide updates to the <b>WENDWG Sec.</b>	<b>Permanent</b>	Last update: 22 Jan. 2024
01E	WENDWG Documentation & References	WENDWG14/04	The <b>WENDWG</b> noted the documents listed in the Repository section of the webpage, to be used as references in the work of the WENDWG and agreed on the importance to keep them maintained.		Decision
		WENDWG14/05	<i>Left blank intentionally.</i>		
01E	WENDWG Documentation & References	WENDWG14/06	Noting the progress made in the conversion procedures from S-57 ENC's to S-101 ENC's and considering that the majority of ENC's producers will adopt this option, at least for the forthcoming years, the <b>WENDWG</b> agreed to close the task aiming to develop guidelines for S-101 ENC scheming along a Global Common Grid.		Decision

**2. Approval of Agenda and Timetable**

AGENDA ITEM/WORK IEM	SUBJECT	ACTION No.	ACTIONS&DECISIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at 4 March 2024)
02A	Agenda and Timetable	WENDWG14/07	<p>The <b>WENDWG</b> approved the agenda “as is” and agreed on the suggestions made by IC-ENC to put together the RENCs updates in the timetable (agenda items 4.2, 4.3, and 5.3).</p> <p>The <b>WENDWG Chair</b> also invited the <b>WENDWG Members</b> to be better prepared for future meetings since too many papers were provided after the deadline.</p>	<b>WENDWG-15 (- 7 weeks)</b>	Decision
02A	Stakeholders’ Forum	WENDWG14/08	<p>The <b>WENDWG Chair</b> reported that very few Expert Contributors and Stakeholders replied to his invitation and thanked those present (Furuno, Chartworld).</p> <p>The <b>WENDWG</b> agreed to use the available slots for drafting group sessions and open discussions.</p>		Decision
<b>3. Review of the Matters arising from WENDWG-13, IRCC-15, and C-7 Meetings</b>					
03B	Review of Decisions and Actions from WENDWG13	WENDWG14/09	The <b>WENDWG Secretary</b> listed the actions from WENDWG-13 that need to be considered at this WENDWG-14 meeting under the relevant agenda items.		Decision

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03C, 03D	IRCC-15, C-7	WENDWG14/10	The <b>WENDWG Secretary</b> quickly highlighted those decisions, actions and recommendations from IRCC-15 and C-7 that were of interest to the WENDWG, noting that all of them were captured under the relevant agenda items for being considered.		Decision
<b>4. Review of progress made on the work items of the WENDWG Programme of Work including a comprehensive discussion of WENDWG accomplishments and the future of the WG, RENCs perspectives</b>					
<b>4.1 Progress made of the work items of the WENDWG Programme of Work, WENDWG accomplishments, and future of the Working Group</b>					

AGENDA ITEM/WORK IEM	SUBJECT	ACTION No.	ACTIONS&DECISIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at <b>4 March 2024</b> )
4.1A	WENDWG Accomplishments	WENDWG14/11	<p>The <b>WENDWG</b> noted the accomplishment as presented by the <b>Chair</b>, including some questions marks on the evolution of WENDWG responsibilities towards or on behalf of the RHCs.</p> <p>In accordance with the TORs in force (Art. 3.b), the <b>WENDWG</b> agreed on the principle of in-person plenary meetings at policy level (representation according to the TORs, National Hydrographers preferable when representing MS, designated representative of the RHCs), once a year, with virtual meetings between plenary meetings for addressing specific issues.</p> <p>The <b>WENDWG Chair</b> to report at <b>IRCC</b> next meeting.</p>	<p><b>To be reported to C-8 by IRCC (inclusivity)</b></p> <p><b>IRCC-16 (- 7 weeks)</b></p>	Decision

	<p>Strategies on S-100 developments in RHCs</p>	<p>WENDWG13/08 Action completed.</p> <p>Will be kept as reminder</p>	<p>The <b>WENDWG</b> invited its <b>Members, representing RHCs</b> in particular, to bring the outcome of this WENDWG meeting (questions, concerns, recommendations) back to their RHCs Members.</p> <p><b>IRCC/WENDWG Chairs</b> to consider providing an update on the situation around the world at A-3 (possible bullet points: <i>not all the MS will have the capacity to produce all S-1xx products, capacity approach across RHC Members is needed, international coordination requests national coordination on S-1xx products first, S-100 Coordination to be implemented in each RHC, RENCs are instrumental for harmonization, user requirements are the driver for prioritization (international maritime shipping based on traffic density stats, depth constraints, depths variability...), pamphlet for communication (internal, external, IMO, expected target coverage, S-101 will not save the S-100 concept alone, top priority products Route Monitoring to be handled by each RHCs...), multidimensional approach (governance, resources, co-existence of production requirements, etc.)</i></p> <p><b>WENDWG/IRCC</b> to invite <b>RHCs</b> to develop their schedule to meet the 2026 IMO target (S-100 ECDIS) and share their own roadmap at the next meeting.</p>		<p>Reminder</p>
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<b>4.2 RENCs Perspectives on the accomplishments and future of the WENDWG</b>					
04.2D	RENCs S-100 readiness	WENDWG14/12	<p><b>The WENDWG</b> noted that RENCs have engaged discussions between the RENCs and between their members on how to approach the Dual Fuel concept to ensure a consistent RENC approach and conversion procedures.</p> <p>The <b>WENDWG Secretary</b> reminded the participants with the diagram on the conversion options presented at C-7 (<a href="#">link</a>), to be considered by every producer, in liaison or not with the RENCs. This version of the diagram is part of the S-100 Roadmap (<a href="#">Annex 2</a>, fig. 4).</p>		Decision
	Dual-Concept S-100 ECDIS	WENDWG14/13	<p><b>The WENDWG</b> noted the request from the <b>S-100WG Chair</b> to consider the Dual-Fuel Concept (Annex 4 of the S-100 Roadmap)</p> <p><b>WENDWG Members</b> to submit proposed amendments to the <b>S-100WG Chair</b> if needed.</p>	<b>15 March</b>	Dual Fuel Concept and Comment Template to be uploaded in the WENDWG Repository (IHO Sec.) <b>Complete</b>
<b>4.3 RENCs Harmonization and ENC Distribution (S-57 ENCs)</b>					

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	S-100 Data Flow Diagram	WENDWG14/14	The <b>WENDWG</b> invited the <b>RENCs</b> to report at the next meeting on the outcome of their joint effort on the development of a new dynamic S-100 Products and Electronic Navigational Data Services (ENDS) Data Flow Diagram.  S-57 ENC Data Flow Diagram to be maintained separately.	<b>WENDWG-15</b>  <b>WENDWG-15</b>	
	In Preparation of the next IHO Strategic Plan 2027-2032	WENDWG14/15	The <b>WENDWG Chair</b> to report at <b>IRCC</b> next meeting on the need and “strategic” importance for <b>IHO MS</b> and <b>RHCs</b> to <u>authorize</u> and continue the provision of their ENC data (such as CATZOC values) - and possibly other S-1xx data in the future -, through the <b>RENCs</b> , to the <b>IHO Secretariat</b> for the <i>automated</i> calculation of future SPIs as required.	<b>IRCC-16 (- 7 weeks)</b>	
<b>5. Review of RHCs Representatives and/or ENC Charting Regions Coordinators, and RENCs on matters of interest to the WENDWG and on S-100 Implementation</b>					
<b>5.1 Review of important matters raised by RHCs/ ENC Charting Regions - S-100 Coordinators</b>					



AGENDA ITEM/WORK ITEM	SUBJECT	ACTION No.	ACTIONS&DECISIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at <b>4 March 2024</b> )
5.1A	S-100 in RHCs	WENDWG14/16	<p>The <b>WENDWG</b> noted the progress and concerns raised by the representatives of the following <b>RHCs</b>. Live basic/subjective assessment of the S-100 coordination readiness level in <b>RHCs</b> for meeting 2026-2029 milestones:</p> <ul style="list-style-type: none"> <li>- BSHC (very good)</li> <li>- USCHC (very good inc. S-411, S-412)</li> <li>- EAtHC (good)</li> <li>- HCA (intermediate inc. S-411)</li> <li>- SAIHC (low)</li> <li>- SWAtHC (intermediate)</li> <li>- MBSHC (low)</li> <li>- EAHC (low)</li> <li>- MACHC (intermediate)</li> <li>- SWPHC (low)</li> <li>- ARHC (low)</li> <li>- NSHC (low)</li> <li>- NIOHC (low)</li> <li>- SEPRHC (no information)</li> <li>- RSAHC (no information)</li> </ul> <p><b>WENDWG Chair</b> to provide an overview to <b>IRCC</b> on the variety of situations (national level, RHC level) and to recommend the harmonization of assessment procedures in the future, in liaison with the <b>RENCs</b> - if possible - , to limit the number of annual surveys to <b>IHO MS</b>.</p>	<b>IRCC-16 (- 7 weeks)</b>	

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5.1A	S-100 Implementation in EAtHC	WENDWG14/17	<p>The <b>WENDWG</b> noted the simple business model proposed by the <b>EAtHC</b> for the implementation of Phase I S-100 Products in Region G (6 UB layers for S-101 ENC and harmonization of min and max display scales, S-57 ENC Producers to produce S-101, S-102, S-104, S-111, etc. in their areas of charting responsibilities...).</p> <p>The <b>WENDWG</b> invited the <b>RHCs Rep.</b> in <b>WENDWG</b> to consider if this basic option can support their regional requirements, as a starting point of the transition phase, and report at the next meeting.</p>	<b>WENDWG-15</b>	<u>Decision</u>

AGENDA ITEM/WORK ITEM	SUBJECT	ACTION No.	ACTIONS&DECISIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at <b>4 March 2024</b> )
5.1A	Overlaps in SAIHC	WENDWG14/18	<p>The <b>WENDWG</b> noted that some critical overlaps at UB5 (Harbour) still exist in the <b>Region H</b>, not solved for several years, that will be not accepted at all when moving to the S-101 ENC world.</p> <p>Noting that these overlaps are under consideration by the interested parties, the <b>WENDWG Chair</b> to report at the next <b>IRCC</b> meeting urging the <b>SAIHC</b> to address and resolve these overlaps as a top priority issue in accordance with IHO Resolution 1/2018 and in application of <i>Guidelines for the implementation of the WEND Principles</i> (Art. 1.7 refers.)</p>	<b>IRCC-16 (- 7 weeks)</b>	Decision  Objection raised by <b>Türkiye</b> on this action
5.1A	Overlaps in NIOHC	WENDWG14/19	<p>The <b>WENDWG</b> noted that some overlaps at UB2 still exist in the <b>Region I</b>, not solved, that will not be accepted at all when moving to the S-101 ENC world.</p> <p>The <b>WENDWG Chair</b> to report at the next <b>IRCC</b> meeting urging the <b>NIOHC</b> to address and resolve these overlaps as a top priority issue.</p>	<b>IRCC-16 (- 7 weeks)</b>	Decision

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5.1A	S-101 production challenges	WENDWG14/56	<p>The <b>WENDWG</b> noted concerns raised by various <b>RHCs</b> regarding S-101 spec still being in draft. Future delays in finalization will lead to <b>RHCs</b> not being able to produce S-101 by Jan 2026 as vendors need time to implement the specs into software.</p> <p>The <b>WENDWG Chair</b> to discuss a possible management plan with <b>S-100WG</b> and report concerns to <b>IRCC</b>.</p>	<b>IRCC-16 (- 7 weeks)</b>	
5.1A	S-100 Communication Strategy	WENDWG14/20	<p>The <b>WENDWG</b> agreed that there was a need to consider the development of a communication strategy towards end-users, manufacturers, IMO, addressing readiness and expected geographic coverage of S-100 based products and data services in the following years, from 2026 onward.</p> <p>The <b>WENDWG Chair</b> to seek guidance from the <b>IRCC</b> at their next meeting on this.</p>	<b>IRCC-16 (- 7 weeks)</b>	Decision
<b>5.2 Review of important matters raised by RENCs on S-100 Implementation – Challenges and Plans</b>					

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05.2	IC-ENC	WENDWG14/21	The <b>WENDWG</b> thanked and commended <b>IC-ENC</b> for their very comprehensive update covering Electronic Chart Data (ECD) Service, Revenue Management with the new “Opt in” Fund, ENC Conversion Service, S-100 Services, etc.		Decision
05.2	PRIMAR	WENDWG14/22	The <b>WENDWG</b> thanked and commended <b>PRIMAR</b> for their very comprehensive update covering S-100 Service Status, S-101 Service and Dual Fuel Service, Data Protection, Dual Fuel Validation and Coverage Viewer, S-100 Product Catalogue, S-100 Training Portal, S-100 development support, etc.		Decision
05.2	SENC	WENDWG14/23	<p>The <b>WENDWG</b> noted the decision made by the <b>PRIMAR Advisory Committee</b> by which <b>PRIMAR</b> will not support SENC/System Database distribution of S-100/S-101 data (risk of loss of signature file regarded as critical).</p> <p>The <b>WENDWG</b> then invited the <b>S-100WG/RENCs</b> to report on this issue to the <b>HSSC</b> and on consequences for S-100 ENDS Distribution Chain in the future.</p>	<b>8 April for HSSC-16</b>	Decision  Action HSSC15/20 refers.

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05.2	e-Learning	WENDWG14/24 (former WENDWG 13/15)	<p>The <b>WENDWG</b> noted that the <b>RENCs</b> consider that the provision of a joint suite of e-learning support and material on S-100 to the <a href="#">IHO e-Learning Centre</a>, is not possible at this stage.</p> <p>The <b>WENDWG Chair</b> to recommend to <b>IRCC</b> (for <b>CBSC</b>) that, as a minimum, links to get access to the offers made by the <b>RENCs</b> should be added into the IHO e-Learning Centre webpage, when available.</p>	<b>IRCC-16 (-7 weeks)</b>	Decision
05.2	East Asia S-101 Implementation	WENDWG14/25	The <b>WENDWG</b> thanked the <b>EA-RECC</b> for their update on the S-101 Implementation Plan and their report on the challenges faced to move forward.		Decision
<b>5.3 Outcome of WENDWG Letter 02/2022 – WEND100-IGIF Matrix – SPI 1.3.1</b>					
05.3C	SPI 1.3.1	WENDWG14/26	<p>Following a fruitful discussion, the <b>WENDWG</b> agreed on the outcome of the survey issued by WENDWG CL 01/2023 (readiness level estimate ~<b>53%</b>) using a basic statistical approach).</p> <p><b>IHO Secretariat</b> to implement this decision for the IHO Annual Report 2023.</p>	<b>29 February 2024</b>	Decision

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05.3C	SPI 1.3.1	WENDWG14/27	<p>The <b>WENDWG</b> agreed on the proposal from the <b>Chair</b> for the calculation of SPI 1.3.1, until 2026.</p> <p>As a consequence, the <b>WENDWG</b> agreed to make the annual fulfilment of the WEND100-IGIF matrix by RHCs <u>optional only</u>, since it remains a useful reference / checking list for S-100 implementation and exchange of best practices.</p> <p><b>WENDWG Chair</b> to issue a follow-up survey on the readiness level of ENC Producing Member States, in November 2024 for calculating SPI 1.3.1 (2024) in preparation of the IHO Annual Report, and WENDWG-15 meeting.</p>	November 2024	<p>Decision</p> <p>Decision</p>

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05.3C	SPI 1.3.1	WENDWG14/28	<p>The <b>WENDWG</b> also agreed to report on this outcome to <b>IRCC</b> for consideration by the <b>CBSC</b> in order to orient some CB support in S-100 to IHO MS under <b>RHCs coordination</b>, preventing the IHO from failing the commitments against the IMO.</p> <p>Noting the complexity of the S-100 eco-system, the <b>WENDWG</b> also invited the <b>RHCs Representatives</b> to consider more carefully the possibility of developing a <u>capabilities-based approach at regional level</u>.</p> <p><b>WENDWG Chair</b> to report to the IRCC accordingly.</p>	<p><b>WENDWG-15</b></p> <p><b>IRCC-16 (- 7 weeks)</b></p>	Decision



AGENDA ITEM/WORK IEM	SUBJECT	ACTION No.	ACTIONS&DECISIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at <b>4 March 2024</b> )
05.3D	Further S-100 Products related surveys after 2026	WENDWG14/29	<p>Aiming to prepare the IHO information reports to the IMO, stakeholders/manufacturers, end-users from 2026 onwards, the expected date of the sunset of S-57 ENC's, the <b>WENDWG Chair</b> presented proposals on the coverage assessment criteria.</p> <p>The <b>WENDWG Chair</b> to report to <b>IRCC</b> on this initiative and seek guidance.</p> <p>Based on the outcome of <b>IRCC</b>, the <b>WENDWG Chair</b> will issue CL informing on the future surveys if appropriate (See Action WENDWG14/27 as well).</p>	<p><b>IRCC-16 (- 7 weeks)</b></p> <p><b>Oct/Nov 2024</b></p>	Decision
05.3D	S-100 Coverage Monitoring from 2026	WENDWG14/30	<p>Noting that too many surveys are counter-productive and unfruitful, the <b>WENDWG</b> agreed on the proposal from the <b>Chair/Secretary</b> on the preferred option to make use best of GIS tools (INToGIS III? RENCs?) to report to IMO NCSR, based on annual <b>MS /RHCs</b> reports (S-101, S-1xx products and ENDS schemes, and production plans per Charting Regions).</p>	<b>WENDWG-15</b>	Then, the stats can be made automatically, but this needs to be developed
<b>WENDWG Stakeholder Session</b>					

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SHF.C	Stakeholder	WENDWG14/31	The <b>WENDWG</b> thanked Furuno and ChartWorld for their enlightening presentations.		Decision
SHF.C	Strategy for Data Services	WENDWG14/32	Following fruitful discussions, based on Australia experience and Chartworld presentation, the <b>WENDWG</b> agreed to recommend to the <b>IRCC</b> , that the S-100 Roadmap should highlight that the S-100 strategic approach to support and attract end-users for the IHO is <u>not</u> to complete the full S-101 coverage first, then consider the other products,... ... <u>but</u> to engage the IHO into the development of a new distribution model <sup>1</sup> , including cybersecurity and integrity measures and ensuring that end-users can easily access and get all S-100 Phase I products and ENDS in confidence along a given route.	<b>IRCC-16 (- 7 weeks)</b>	Decision
SHF.C		WENDWG14/33	The <b>WENDWG</b> noted the invitation from Chartworld to consider the possibility to contribute to a future Radio ECDIS Podcast (chartworld.com) on S-100.		Decision

<sup>1</sup> such as a “one-stop-shop for all S-100 data services along a given route” (Source: Chartworld).

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SHF.E	End-user requirements and expectations	WENDWG14/34	<p>The <b>WENDWG</b> noted the vision on standardized services for ECDIS by Furuno and the recommendations related to the implementation of pull-mode cyber secure options from different sources of information using the SECOM interface (IEC 63173-2) on the Maritime Connectivity Platform for instance.</p> <p>The <b>WENDWG Chair</b> to report to <b>IRCC</b> on the need, at least, to raise the awareness of the IHO on “collateral” issues (data transmission, etc.), acknowledging that are certainly not in the remit of the IHO itself.</p>	<b>IRCC-16 (- 7 weeks)</b>	Decision
<b>6. INTToGIS II update – S-128</b>					
<b>6.1 INTToGIS III</b>					

AGENDA ITEM/WORK IEM	SUBJECT	ACTION No.	ACTIONS&DECISIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at <b>4 March 2024</b> )
06.1A, 06.1B	INToGIS III	WENDWG14/35	<p>The <b>WENDWG</b> noted the presentation by <b>KHOA (ROK)</b> on the progress made in the development of INToGIS III and the announced implementation delay for MS / RHCs to be able to experiment a specific interface<sup>2</sup> for S-1xx products aiming to <i>scheme</i> the future coverage of S-100 based products and data services, per MS and RHCs.</p> <p>The <b>WENDWG</b> invited the <b>representative of the ROK</b> to liaise with the <b>IHO Secretariat/WENDWG Chair</b>, to establish a management plan of this INToGIS III Project and ensure that a solution can be found shortly (<b>risk assessment: high</b>).</p> <p>With reference to former Action WENDWG13/19, the <b>WENDWG Chair</b> to report to <b>IRCC</b> about INToGIS III, which is a key IHO component of the S-100 Implementation Roadmap, necessary to provide IMO NCSR with recognized and accurate plans and updates from 2025 onwards.</p>	<p><b>September 2024</b></p> <p><b>IRCC-16 (- 7 weeks).</b></p>	Decision

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<sup>2</sup> Since S-128 files are not available.

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06.1B	INToGIS III	WENDWG14/36	<p>The <b>WENDWG</b> noted the mock-up presented by <b>DE</b> aiming to simulate a tool for planning ENDS coverage.</p> <p>Waiting for the commissioning of INToGIS III, the <b>WENDWG</b> will propose the <b>IRCC</b> to recommend the <b>RHCs</b> to consider using off-the-shelf interim solutions (QGIS), as <b>DE</b>, as an interim option to plan and inform stakeholders.</p>	<b>IRCC-16</b>	Decision
<b>6.2 INT /ENCs/ S-1xx Products and Data Services Regional Coordinators</b>					
06.2A	List of Regional Coordinators	WENDWG14/37	<p>The <b>WENDWG</b> welcomed the extension of the List of Charting Coordinators to S-100 prepared by the <b>IHO Secretariat</b>, as well as the inputs received from most of the <b>RHCs</b>.</p> <p>The <b>WENDWG</b> invited the <b>IHO Secretariat</b> to upload and maintain it on the IHO website &gt; Publications &gt; under S-11 Part B “as is” now.</p> <p>The <b>WENDWG Chair</b> to report on this List at the next IRCC meeting inviting the <b>RHCs</b> to keep it updated.</p>	<b>IRCC-16 (- 7 weeks)</b>	Decision  Breakdown to be done for HCA

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06.2A	List of Regional Coordinators	WENDWG14/38	The <b>WENDWG</b> noted the objection from <b>Türkiye</b> on the content of this List of Coordinators for the <b>MBSHC/Region F</b> .		Decision
<b>6.3 S-128 Discussions</b>					
06.3A	Canada Integrated National S-128 Catalogue	WENDWG14/39	<p>The <b>WENDWG</b> noted <b>Canada's</b> vision for an integrated national S-128 catalogue and agreed on the benefits of this concept at national level.</p> <p>Once INTogIS III (Coverage and Planning Catalogue) becomes operational, and if agreed by <b>CA</b>, the <b>WENDWG</b> agreed to consider the possibility of testing the interoperability of the Canada Hydrographic Service Catalogue and INTogIS III.</p>	<b>WENDWG-15/-16</b>	Decision

AGENDA ITEM/WORK ITEM	SUBJECT	ACTION No.	ACTIONS&DECISIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at <b>4 March 2024</b> )
06.3A	S-128 Catalogue of Nautical Products	WENDWG14/40	<p>Based on the presentation by <b>CA</b>, The <b>WENDWG</b> noted the comment made by the <b>US</b> reminding that S-128 is a standard for the Catalogue of Nautical Products and therefore the coordination of different products catalogue at national level, should be assigned under the responsibility of the <b>HOs</b>.</p> <p><b>WENDWG</b> to consider subsequent amendments to the WEND-100 Principles and the S-100 Roadmap.</p> <p><b>WENDWG Chair</b> to raise the awareness of <b>IRCC</b> on this important policy issue.</p>	<p><b>WENDWG-15</b></p> <p><b>IRCC-16 (-7 weeks)</b></p>	Decision
<b>7. Review of progress and of drafting groups proposals made on the work items of the WENDWG Programme of Work</b>					
<b>7.1 Drafting group results and items of WENDWG interest</b>					
07.1B1	Harmonization of S-1xx Encoding and Provision	WENDWG14/41	<p>The <b>WENDWG</b> thanked <b>DE</b> for raising important issues in the harmonization of S-1xx encoding and provision.</p> <p>The <b>WENDWG</b> agreed that this paper should be reported (<b>DE</b> on behalf of the <b>WENDWG</b>) to the <b>HSSC</b> at their meeting for further consideration.</p>	<b>8 April (for HSSC-16)</b>	Decision

AGENDA ITEM/WORK IEM	SUBJECT	ACTION No.	ACTIONS&DECISIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at <b>4 March 2024</b> )
07.1B2	Vertical ENC usage inconsistency	WENDWG14/42	<p>The <b>WENDWG</b> thanked <b>SevenCs/ChartWorld</b> for their warning note on cases of vertical inconsistencies between ENCs covering the same area in different UBs (RESARE).</p> <p>The <b>RENCs</b> agreed to consider the possibility of conducting further investigations and to report to their Members as appropriate</p> <p>The <b>WENDWG Chair</b> will forward this note to the <b>ENCWG</b> as well.</p>	<p><b>WENDWG-15</b></p> <p><b>1 March 2024</b></p>	
07.1C	Introduction of ISO 9001 Principles into S-100 Coordination and Production	WENDWG14/43	<p>Following a presentation made by <b>FR</b> echoing what is done within HSSC for the development of S-101 PS (+S-98 and S-164), the <b>WENDWG</b> agreed on the potential benefits of introducing ISO 9001-like Principles into S-100 Coordination and Production activities.</p> <p><b>WENDWG</b> noted the potential scope for the application of ISO 9001 proposed by the <b>IRCC</b> (“<i>RHC S-101 production/coordination/distribution</i>”).</p> <p>...but <b>WENDWG Chair</b> to report to <b>IRCC</b> that no progress was made at WENDWG-14 due to lack of resources.</p>	<p><b>WENDWG-15</b></p> <p><b>IRCC-16 (-7 weeks)</b></p>	Decision



AGENDA ITEM/WORK ITEM	SUBJECT	ACTION No.	ACTIONS&DECISIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at <b>4 March 2024</b> )
07.1D	Extension of WEND100 principles to other S-100 ProdSpecs, impact of the activities of the ENCWG ECS PT	WENDWG14/44	While noting the positive intention of the paper, with reference to WENDWG TORs (Art. 1.i., <i>SOLAS priority</i> ), the <b>WENDWG</b> agreed not to propose amendments to WEND-100 principles at this stage, and to keep them as they are in IHO Resolution 1/2021.	<b>WENDWG-16</b> , if appropriate, depending on ECS PT outcome	<u>Decision</u>
07.1E	Think beyond the border, what comes next	WENDWG14/45	Following the discussion on the strawman paper presented by the <b>WENDWG Chair</b> , the <b>WENDWG</b> agreed that a summary could be report by the <b>Chair</b> at the next IRCC meeting, as an input to the discussions to come at C-8 for the preparation of the next IHO Strategic Plan 2027-2032 ( <a href="#">Action C7/37</a> refers).	<b>IRCC-16 (-7 weeks)</b>	<u>Decisions</u>

AGENDA ITEM/WORK ITEM	SUBJECT	ACTION No.	ACTIONS&DECISIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at <b>4 March 2024</b> )
Notes			<p>Outcome of the ad hoc drafting group on the S-100 Implementation Guidelines - Strategic Plan (US, SE, FR, TR, GR, NO, DK, CA, SR, LV, IC-ENC):</p> <ul style="list-style-type: none"> <li>- No need on WEND100</li> <li>- Work needed on Guidelines for Implementation of WEND100 Principles</li> <li>- Focus on S-1xx and S-128 catalogue</li> <li>- S-102, S-111 Producing Authorities</li> <li>- PCA national authorities</li> <li>- Phase 1 first, back to Phase 2 by 2026 (not too far)</li> </ul>		
07.1F	IHO Strategic Plan and Guidelines for Implementation of WEND100 Principles	WENDWG14/46	<p>The <b>WENDWG</b> established an ad hoc drafting group for preparing amendments to the <i>Guidelines on the Implementation of the WEND100 Principles and the IHO Strategic Plan</i> (<b>CA, DK, FR, GR, LV, NO, SE, SR, US, TR, <u>UK</u><sup>3</sup>, IC-ENC</b>).</p> <p><b>WENDWG Chair</b> to report to the <b>IRCC</b> on the scope.</p>	<p><b>WENDWG-15/IRCC-17</b></p> <p><b>IRCC-16 (-7 weeks)</b></p>	

<sup>3</sup> Lead as **UK Representative** and **Vice-Chair of the WENDWG**.

AGENDA ITEM/WORK IEM	SUBJECT	ACTION No.	ACTIONS&DECISIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at <b>4 March 2024</b> )
07.1F	S-11 - Part C	WENDWG14/47	The <b>WENDWG</b> decided to recommend to <b>IRCC</b> , Cc: <b>HSSC</b> and <b>IHO Secretariat</b> that it is more efficient to start drafting an S-11-like Part C <sup>4</sup> , without the obligation to go through the <b>NCWG</b> as current custodian of S-11 (Part A).		Decision
Notes			<p>Outcome of ad hoc drafting group session on S-11 Part C (AU, BR, <u>DE</u><sup>5</sup>, FI, GR, TR, Furuno, Chartworld):</p> <ul style="list-style-type: none"> <li>- Naming to include ENDS</li> <li>- Focus 1<sup>st</sup> priority Phase I, Phase 2 at a later date.</li> <li>- To provide general overview of guidelines what applies to all products, then...</li> <li>- ...further section per product (incl. harmonization encoding)</li> <li>- S-100 data flow diagram to be maintained outside the Guidelines (hyperlink)</li> <li>- FAQ</li> <li>- Skeleton ready for <b>IRCC-16</b>.</li> </ul>		

<sup>4</sup> Proposed Title iaw WENDWG13/11 – *Guidelines for the Coordination and Management of the Development of S-100 Electronic Navigational Data Services (except S-101 ENC)s in RHCs : Region X S-100 Coordination WG TORs, List of Content, Reference to WEND100 Principles and Guidelines, S-100 ENDS Data Flow, FAQ, best practices, recommendations*

AGENDA ITEM/WORK IEM	SUBJECT	ACTION No.	ACTIONS&DECISIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at <b>4 March 2024</b> )
07.1F	S-11 - Part C	WENDWG14/48	The <b>WENDWG</b> established an ad hoc S-11 - Part C drafting team ( <b>AU, BR, DE<sup>6</sup>, FI, GR, TR, IHO Secretariat</b> ) to develop a proposed <i>Edition 1.0.0</i> of S-11 Part C, to be submitted to the <i>approval of IRCC in 2025 for testing and experimentation (iaw IHO Resolution 2/2007)</i> .  <b>WENDWG Chair</b> to inform the <b>IRCC</b> on the scope and possible list of contents at their next meeting.	<b>WENDWG-15/IRCC-17</b>  <b>IRCC-16 (-7 weeks)</b>	
07.1E	Severity of cancellation traceability	WENDWG14/49	<b>WENDWG</b> to advise the <b>S-100WG</b> on the requirement of traceability of files cancellation process.	<b>15 March 2024</b>	
	S-101 ENC Scheming Guidelines	WENDWG14/50 (former WENDWG13/24, 12/13)	The <b>WENDWG</b> agreed to disband the ad hoc drafting group on ENC Scheming Guidelines until demands evolve.		Decision
<b>8. WENDWG Terms of Reference</b>					

<sup>6</sup> Lead as **DE Representative** and **Chair of the WENDWG**.

AGENDA ITEM/WORK ITEM	SUBJECT	ACTION No.	ACTIONS&DECISIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at <b>4 March 2024</b> )
08A	WENDWG TORs	WENDWG14/51	Noting the last amendments approved in 2023 at <b>IRCC-15</b> , the <b>WENDWG</b> agreed that no amendment to the TORs were necessary at this stage and recommended some stability in the TORs, at least until 2026, as long as the Work Programme remains compliant.		Decision
<b>9. Any Other Business</b>					
<b>10. Review and update of the WENDWG Programme of Work – Preparation of Report to IRCC-16 and inputs expected from the WENDWG to IRCC/Council Chairs, if any, for C-8</b>					
10	Work Programme	WENDWG14/52	<b>WENDWG Chair/Vice-Chair/Secretary</b> to prepare the 2024-25 Work Programme of the WENDWG aligned to the new TORs and considering new tasks assigned to the <b>WENDWG</b> or identified at the <b>WENDWG-14</b> .	<b>IRCC-16 (-7 weeks)</b>	
<b>11. Review of the WENDWG-15 List of Decisions and Actions</b>					

12. Next meeting(s) dates - Conclusion					
	Next meetings	WENDWG14/53	The <b>WENDWG</b> welcomed the offer from <b>Australia</b> to host the WENDWG-15 meeting (18 – 20 February 2025, 3 full days), in Wollongong, Australia, as well as the one ( <i>still to be confirmed</i> ) from <b>Hong Kong China</b> in February 2026. The WENDWG welcomed the offer from <b>Türkiye</b> to host the meeting in 2027.	<b>WENDWG-15</b>	
	NOAA OCS	WENDWG14/54	The <b>WENDWG Chair</b> and <b>Director Luigi Sinapi</b> , on behalf of the participants, thanked <b>NOAA (USA)</b> and their staff for their hospitality and efficiency in the preparation of this meeting.		
		WENDWG14/55	The <b>WENDWG</b> thanked the outgoing <b>WENDWG Secretary Mr Yves Guillam</b> for his 10 years long exceptional commitment to <b>WENDWG</b> related matters. The <b>WENDWG</b> wished him all the best for his impending retirement. The meeting will lose an acknowledged expert and a very good friend.		