

## LIST OF ACTIONS&DECISIONS FROM WENDWG-9

**Note:** In this list of decisions & actions, when using “*RHCs, HOs, IHO Member States XX, RENCs, IHO 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 <b>28 Feb 2019</b> )
<b>1. Opening and Administrative Arrangements</b>					
	WENDWG Membership	WENDWG9/01	<b>Members and RHCs</b> to review the WENDWG Membership List and provide updates to the <b>WENDWG Sec.</b>	<b>Permanent</b>	Updates provided for <b>MACHC and RSAHC</b>
<b>2. Approval of Agenda</b>					
	Agenda	WENDWG9/02	The <b>WENDWG</b> approved the agenda and timetable.		Decision
<b>3. Matters arising from WENDWG-8 Meeting, from HSSC-10, IRCC-10 and C-2</b>					
	IHO CL 19/2018	WENDWG9/03 (former WENDWG9/04)	The <b>WENDWG</b> <sup>1</sup> agreed that the one-year “clock” should start <u>once</u> the overlapping issues, starting with potential “highest” risk cases, have been reported to the ENC Producers, the management of these cases to be implemented by the <b>RHCs</b> , keeping the WENDWG informed and report to IRCC, as appropriate.		Decision (kept active for tracking purposes)

<sup>1</sup> **TR** objected on this decision. See Annex B of WENDWG8 Report.

AGENDA ITEM/WORK IEM	SUBJECT	ACTION No.	ACTIONS&DECISIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at 28 Feb 2019)
	Data validation and quality insurance	WENDWG9/04 (former WENDWG9/11)	The <b>RENCs</b> to benchmark their ENC's data validation, updates and release processes and provide a set of recommendations at the next meeting, if appropriate.	<b>WENDWG-10</b>	
<b>4. Review of progress made on the work items of the WENDWG Programme of Work</b>					
<b>4.1 Overlapping Issues and ENC Coverage</b>					
	ENC Global Coverage and Overlapping Report	WENDWG9/05 (former WENDWG9/05)	<p><b>UKHO</b> to continue the provision of global statistics and numbers on ENC coverage and overlaps, but clarify the GIS algorithm that is used when identifying the ports listed as "NOT covered".</p> <p>After analysis and where appropriate, <b>UKHO</b> to provide an update of the Excel file (incl. the list of Ports "NOT covered"), to the WENDWG Sec.</p> <p>In accordance with Decision WENDWG9/04, <b>RHCs</b> to make their own assessment of the level of navigational risk for ENC overlaps, using the IC ENC Policy on Risk Assessment as a 1<sup>st</sup> step, when and where applicable.</p>	<p><b>2 months prior to WENDWG-10</b></p> <p><b>ASAP</b></p> <p><b>Permanent</b></p>	

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	List of Ports	WENDWG9/06 (former WENDWG9/09)	<p><b>RHCs/HOs</b> invited to report to NGA directly (Gerald Walter, Gerard.J.Walter@nga.mil) if inconsistencies need to be corrected in the List of Ports (based on the NGA P 150).</p> <p><b>US (NGA)</b> to inform the WENDWG Secretary when the new version of the NGA P 150 database is available (impact on IHO ENC Catalogue and INTOGIS II)</p>	<p><b>Permanent</b></p> <p><b>As appropriate</b></p>	
<b>4.2 IHO ENC Catalogue</b>					
	IHO ENC Catalogue - CATZOC values	WENDWG9/07	<p><b>WENDWG Chair</b> to report to IRCC that those ENC Producers who have yet to do so, should be invited to provide their agreement to their RENC, for making CATZOC values available in the additional layers of INTOGIS II (Manager Mode only, available to MS only).</p> <p><b>PRIMAR and IC-ENC</b> to review the provision of CATZOC data on behalf of the RENC members / licensing partners and to maintain the list of ENC Producers who have agreed to release their CATZOC values (incl. caveats).</p> <p><b>IHO Secretariat</b> to download, on a routine basis (monthly?, tbc), the CATZOC values (for INTOGIS II purposes) using the PRIMAR link/interface.</p>	<p><b>IRCC-11 (15 April)</b></p> <p><b>WENDWG-10</b></p> <p><b>Permanent</b></p>	
<b>4.3 RENC Harmonization and Distribution</b>					

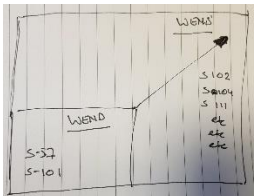
AGENDA ITEM/WORK IEM	SUBJECT	ACTION No.	ACTIONS&DECISIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at 28 Feb 2019)
	RENC-RENC Cooperation	WENDWG9/08	The <b>EAHC RECC</b> to consider the last version <sup>2</sup> of the RENC Data Flow Diagram and report on how and when they would like to fit in.	<b>Joint RENC meeting, WENDWG-10</b>	
	ENCs not distributed through a RENC yet	WENDWG9/09	<b>RHCs</b> to report to WENDWG where exclusive cells in the respective usage bands exist within their regions.  <b>WENDWG</b> to monitor the progress made on an annual basis through the RENCs' ENC Data Flow diagram updates.	<b>WENDWG-10</b>  <b>WENDWG-10</b>	
	Quality control, risk assessment	WENDWG9/10 (former WENDWG9/14)	<b>WENDWG Chair</b> to report to IRCC that all Produced ENC <i>data</i> (incl. "exclusive") <u>must</u> be made available to every RENC for them to ensure quality control (overlapping checks, risk assessment, etc.).	<b>IRCC-11 (15 April 2019)</b>	
	Quality control, risk assessment	WENDWG9/11 (former WENDWG9/15)	<b>IC-ENC</b> and <b>PRIMAR</b> to develop further the possibility of exchanging ENC <i>data</i> for harmonization purposes, improving overlapping risk assessment and quality control in general and <b>EAHC-RECC</b> to consider how they can contribute and benefit from this process.	<b>WENDWG-10</b>	

<sup>2</sup> Edition 4.1, February 2019 ([www.iho.int](http://www.iho.int)) > ...>WENDWG > WENDWG Repository > Distribution of ENCs

AGENDA ITEM/WORK ITEM	SUBJECT	ACTION No.	ACTIONS&DECISIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at 28 Feb 2019)
	Data Extraction in support of Seabed 2030	WENDWG9/12	<p><b>US (NOAA)</b> to submit a management procedure and technical proposal to the RENCs aiming to extract bathymetric data from ENC's in order to support Seabed 2030, and...</p> <p>...<b>IRCC</b> to encourage the ENC Producers within the RHCs to participate in the Seabed 2030 Project by providing their agreement to the RENCs for releasing their bathymetric data from ENC's</p> <p>As a first step for European waters, <b>US (NOAA)</b> and <b>IHO/DCDB</b> to consider the possibility of using the EMODnet Bathymetry data for Seabed 2030.</p>	<p><b>May 2019</b></p> <p><b>IRCC-11</b></p> <p><b>IRCC-11</b></p>	
	Harmonized licensing approach to support all vessels (leisure boats, etc.)	WENDWG9/13 (former WENDWG9/21)	<b>RENCs</b> to consider the way forward for drafting a core joint RENC framework for navigation Non-ECDIS licensing.	<b>WENDWG-10</b>	
	SENC Distribution - Data Protection and Integrity	WENDWG9/14	When reviewing the SENC distribution agreement and certification mechanisms, <b>RENCs</b> to consider, in liaison with DQWG and the outcome of Part 15 of S-100 (in progress) how data protection and integrity can be reinforced.	<b>WENDWG-10</b>	
<b>4.4 The Full Implementation of the WEND Principles – Report by RHCs’ Reps on the implementation of ENC Schemes (in accordance with Action IRCC8-13)</b>					

AGENDA ITEM/WORK IEM	SUBJECT	ACTION No.	ACTIONS&DECISIONS (in bold, action by)	TARGET DATE/EVENT	STATUS (at 28 Feb 2019)
	ENC Schemes	WENDWG9/15 (former WENDWG9/16)	The <b>WENDWG</b> agreed to use the existing IHO ENC coverage catalogue as the initial mechanism to easily build version 1.0 of the ENC Schemes database in the INToGIS II system.		Decision (kept active for tracking purposes)
	ENC Schemes	WENDWG9/16 (former WENDWG9/17)	As soon as INToGIS II is commissioned, <b>RHCs</b> to define and adopt ENC Schemes (as it is done for INT Charts Schemes) and submit their update.	<b>WENDWG-10</b>	
	Gap Analysis - AIS Traffic Density	WENDWG9/17	<p><b>US</b> to pursue the development of the worldwide coverage statistical database of AIS traffic density, available to all RHCs and IHO Member States taking into account the requirements explained at WENDWG9 (vessels categories breakdown, stats for 2 rolling years range, resolution for every month). Associated description of the database to be provided (incl. copyright issues, usage limitations, if any).</p> <p><b>IHO Sec</b> to make this AIS statistical database available to all Member States as part of the risk assessment tools within INToGIS II.</p>	<p><b>End of June 2019</b></p> <p><b>When INToGIS II is commissioned (mid-2019, tbc)</b></p>	
	ENC Schemes	WENDWG9/18	<b>WENDWG Chair</b> to report at IRCC that report from the <b>NIOHC</b> has not been delivered at WENDWG meetings as requested.	<b>IRCC-11 (15 April 2019)</b>	

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	IHO Resolution 1/2018	WENDWG9/19	<b>IC-ENC</b> to consider the possibility of providing the MBSHC Chair, the Region F Chart Coordinator and the IHO Secretariat, with deeper analysis of the effect of overlapping ENCs in the Region and their possible impact on safe navigation, including examples of ECDIS “behaviour” snapshots	<b>End of April 2019 (for being considered at MBSHC-21)</b>	
<b>5. Workshop Session 1 – Impact of the new TORs and Following on Actions C2/30 and C2/31</b>					
	Impact of new TORs	WENDWG9/20	Reviewing the new TORs, the <b>WENDWG</b> agreed that there was no need at this stage to amend the current objectives and tasks assigned by IRCC to the WENDWG in its programme of work...		Decision
	WEND-like Principles	WENDWG9/21	The <b>WENDWG</b> agreed that WEND-like Principles should be developed to support the production and dissemination of S-101 ENCs and the first generation of S-100 based products... ...and welcomed a draft proposal submitted by the US in session, as a possible key component of a global S-100 based Products Implementation Strategy (under development)		Decision

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	WEND-like Principles 	WENDWG9/22	<b>WENDWG Members</b> (BR, IT, NL, NO, RENCs, UK, US) to provide their inputs/comments to the strawman paper on the Worldwide Electronic Navigation Services (WENS) Principles <sup>3</sup> as presented at WENDWG-9 (US Pocs: <a href="mailto:john.nyberg@noaa.gov">john.nyberg@noaa.gov</a> ; <a href="mailto:jonathan.justi@noaa.gov">jonathan.justi@noaa.gov</a> )  <b>US (on behalf of WENDWG Chair)</b> to submit an interim report (one or several options tbc) to IRCC for discussion in response to C2/30 and C2/31)	<b>End of March</b>  <b>End of April</b>	
	WEND-like Principles	WENDWG9/23	As part of his report to IRCC, <b>WENDWG Chair</b> to submit a proposal aiming to amend the TORs of the WENDWG, by adding item 1.c <i>“to investigate the applicability of WEND-like Principles to the production and dissemination of S-101 ENC’s and the first generation of S-100 based products”</i>	<b>IRCC-11 (15 April)</b>	
<b>5. Workshop Session 2 –Following on Actions C2/27 and C2/28</b>					
	Overlaps	WENDWG9/24	First, <b>WENDWG Chair</b> , supported by the RENCs, to report to IRCC on the overlap cases reported at WENDWG-9 for Charting Regions where concerns have been reported	<b>IRCC-11 (15 April)</b>	

<sup>3</sup> John Nyberg (WENDWG Vice-Chair, US) to send a version-controlled of the WENS Principles to the drafting group, Cc WENDWG Chair/Sec, by end of February 2019.



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	Overlaps	WENDWG9/25	<b>RENCs</b> to investigate how to better coordinate tracking of overlaps in order to provide a fair and actual global RENC overlap «picture»	<b>WENDWG-10</b>	
	Overlaps Risk Assessment	WENDWG9/26	<b>The WENDWG</b> agreed that the criticality of the risk as assessed by the RENCs should only be used as an indication of priority for handling and solving overlaps		Decision
	IHO Resolution 1/2018	WENDWG9/27	<b>WENDWG</b> to prepare an assessment of the effectiveness of the IHO Resolution 1/2018 at its next meeting for being considered at IRCC-12	<b>WENDWG-10</b>	
	IHO Resolution 1/2018	WENDWG9/28	<b>WENDWG Chair</b> to liaise with the Chair of the WNWNS-SC on the operational feasibility of the implementation of Art. 1.7.3 of IHO Resolution 1/2018	<b>End of April 2019</b>	
<b>6. Review and update of the WENDWG Programme of Work – – Preparation of Report to IRCC-11 and inputs expected from the WENDWG to C-3 and A-2</b>					
	IRCC-11 Preparation	WENDWG9/29	<b>WENDWG Chair</b> to submit the WENDWG report to IRCC-11, highlighting the new work and priority items (for C-3), including the WENDWG 2019-20 Programme of Work and recommend to IRCC-11 in accordance with Article 4.4 of WENDWG TORs, that the WENDWG is kept <b>active</b> .	<b>By 15 April (IRCC-11 submission deadline)</b>	
<b>8. Any other business – Information Papers</b>					
<b>9. Next meeting dates and venue</b>					

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	WENDWG-10 and RENCs Co- operation	WENDWG9/30	<b>WENDWG</b> welcomed the offer made by HK China to host the WENDWG-10 meeting and the Joint RENCs meeting (18-20 Feb 2020)		<u>Decision</u>