

WEND WG ACCOMPLISHMENTS 2019 - 2023

John Nyberg



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ACCOMPLISHMENTS

Early Virtual Work during COVID

WEND 100 Principles

WEND 100 Implementation Guidelines

WEND IGIF Matrix

Overlaps and Gaps

RENC Coordination

INT to GIS

Transition Focus from S-57 to S-100

Survey on HD ENC's

Worldwide traffic Density



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EARLY VIRTUAL WORK DURING COVID





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2019

Discussed during WENDWG in Brest, FR

2020

The Assembly endorsed the draft WEND100 Principles presented at IRCC12 and the proposed path forward in their subsequent development, as a consequence of the expanding range of hydrographic data products addressed in the S-100 Implementation Strategy.

2021

WEND WG submitted WEND 100 to C5 and IRCC 13. Principles were then approved via CL37/2021.

2022

WEND100 is in maintenance mode.

WEND 100 PRINCIPLES



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WEND 100 IMPLEMENTATION GUIDELINES

In 2021 the WENDWG agreed that we needed to work on WEND 100 Implementation Guidelines to describe how the Principles applied to S100 products.

The Guidelines were drafted between 2021 and 2022 and were presented at IRCC 14. The Guidelines are a work in progress and will need to be updated throughout the S100 lifecycle.

WEND100 and Guidelines included in the S-100 Implementation Roadmap (approved by C6)





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WEND IGIF MATRIX

Using the United Nations Integrated Geospatial Information Framework (IGIF), the WENDWG decided to complete a WEND IGIF Matrix to assist in:

- Assessing regional readiness for S100
- Helping to ensure that best practices for managing S100 data were being considered
- Provide a tool for Regional S100 Coordinators to encourage discussion regarding S100
- Possible tool for SPI 1.3.1 of the IHO Strategic Plan

	S-101 (ENC)			S-102 (Bathy Surface)		
	Readiness Level	Readiness Description	Score	Readiness Level	Readiness Description	Score
Governance and Institutions	Governance and Institutions (A)	The product is part of a documented national or regional institutional plan, custodianship (a managing organization) has been identified and has accepted the management responsibility. All has been agreed at the national authority and RHC level.	11.10	Governance and Institutions (A)	The product is part of a documented national or regional institutional plan, custodianship (a managing organization) has been identified and has accepted the management responsibility. All has been agreed at the national authority and RHC level.	11.10
Policy and Legal	Governance and Institutions (A)	The product is supported by a business model that includes current funding sources, obligations, financial risks, and future investments has been completed. An agreed upon business case that justifies funding and investment has been completed. The product has a documented, well defined socio-economic value. All is agreed upon at the national and RHC levels.	11.10	Policy and Legal (A)	Product has a documented policy regarding data protection, licensing, sharing and liability. The policy has been endorsed by the national authority and/or RHC level.	11.10
Data	Governance and Institutions (B)	Product is globally available for use to influence technological advances, innovation, and academic uses at no cost.	11.10	Data (A)	Product is supported by regional cooperative data sharing agreements. There is a regular process for data supply to update product that ensures suitable update cycle for product.	11.10
	Governance and Institutions (C)	Product is built using the most recent version of the (version 2.0.0 or later) IHO endorsed standard (S-102 must be edition 3.0.0 or later).	11.10		Product is supported by a business model that includes current funding sources, obligations, financial risks, and future investments has been completed. An agreed upon business case that justifies funding and investment has been completed. The product has a documented, well defined socio-economic value. All is agreed upon at the national and RHC levels.	11.10
Financial	Governance and Institutions (D)	The product is distributed through a Regional ENC Center (RENC). Product principles (transboundary arrangements) have been agreed upon at the RHC level. Product stakeholders have been included in product development.	11.10	Financial (A)	Product is globally available for use to influence technological advances, innovation, and academic uses at no cost.	11.10
	Governance and Institutions (E)	Product availability has been promoted through the RHC, including the needs, values and benefits of the product. Opportunity for training on how to produce and use the product is available throughout the RHC region at limited or no cost to Member States.	11.10	Standards (A)	Product is built using the most recent version of the (version 2.0.0 or later) IHO endorsed standard (S-102 must be edition 3.0.0 or later).	11.10
Innovation	Partnerships (A)	Product uses, availability, and cost (if any) have been included in a compelling narrative for all audiences. Potential relationships, including advocates, partners, users and third parties have been identified at the RHC level.	11.10	Partnerships (A)	The product is distributed through a Regional ENC Center (RENC). Product principles (transboundary arrangements) have been agreed upon at the RHC level. Product stakeholders have been included in product development.	11.10
Standards	Capacity and Education (A)	Product uses, availability, and cost (if any) have been included in a compelling narrative for all audiences. Potential relationships, including advocates, partners, users and third parties have been identified at the RHC level.	11.10	Capacity and Education (A)	Product availability has been promoted through the RHC, including the needs, values and benefits of the product. Opportunity for training on how to produce and use the product is available throughout the RHC region at limited or no cost to Member States.	11.10
Partnerships	Communication and Engagement (A)	Product uses, availability, and cost (if any) have been included in a compelling narrative for all audiences. Potential relationships, including advocates, partners, users and third parties have been identified at the RHC level.	11.10	Communication and Engagement (A)	Product uses, availability, and cost (if any) have been included in a compelling narrative for all audiences. Potential relationships, including advocates, partners, users and third parties have been identified at the RHC level.	11.10
Capacity and Education						
Communication and Engagement						
	Total:		99.90	Total:		99.90



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OVERLAPS AND GAPS

Recognizing that monitoring overlaps and gaps around the world, the WEND continued to maintain this responsibility. Thanks to support from the RENCs and the Regional Chart Coordinators, the WEND continues to be a group where MS can work to resolve issues through discussion and technical resolutions.

The WEND WG Repository is a good place to find best practices.

- NGA World Port Index now as an API in INTToGIS

HOME > WENDWG > WENDWG REPOSITORY

WENDWG Repository

At its 5th meeting, the WENDWG approved the creation of a documents repository on the WENDWG webpage to facilitate the sharing of experiences (Action WENDWG5/05 refers)

Last Update: 30 January 2023

Date	Subjects
<i>WEND100</i>	
10 August 2022	WENDWG Letter 02/2022 - WEND100-IGIF Matrix Version 1.0 dated 10 August 2022 of the WEND100-IGIF Matrix (.xlsx)
10 August 2022	WEND100 Principles - IHO Resolution 1/2021
<i>Survey on the Production of HD ENC's</i>	

News

NEWS
The Arctic Regional Hydrographic Commission reviews its activities in 2022

NEWS
Transition to digital data services and other priorities discussed at IHO Council

NEWS
The UN Ocean Decade and the IHO join forces to change the gender

TOTAL NUMBER OF EMPLOYEES VS TOTAL NUMBER OF WOMEN EMPLOYEES
#EmployeesTotalInCLC2022



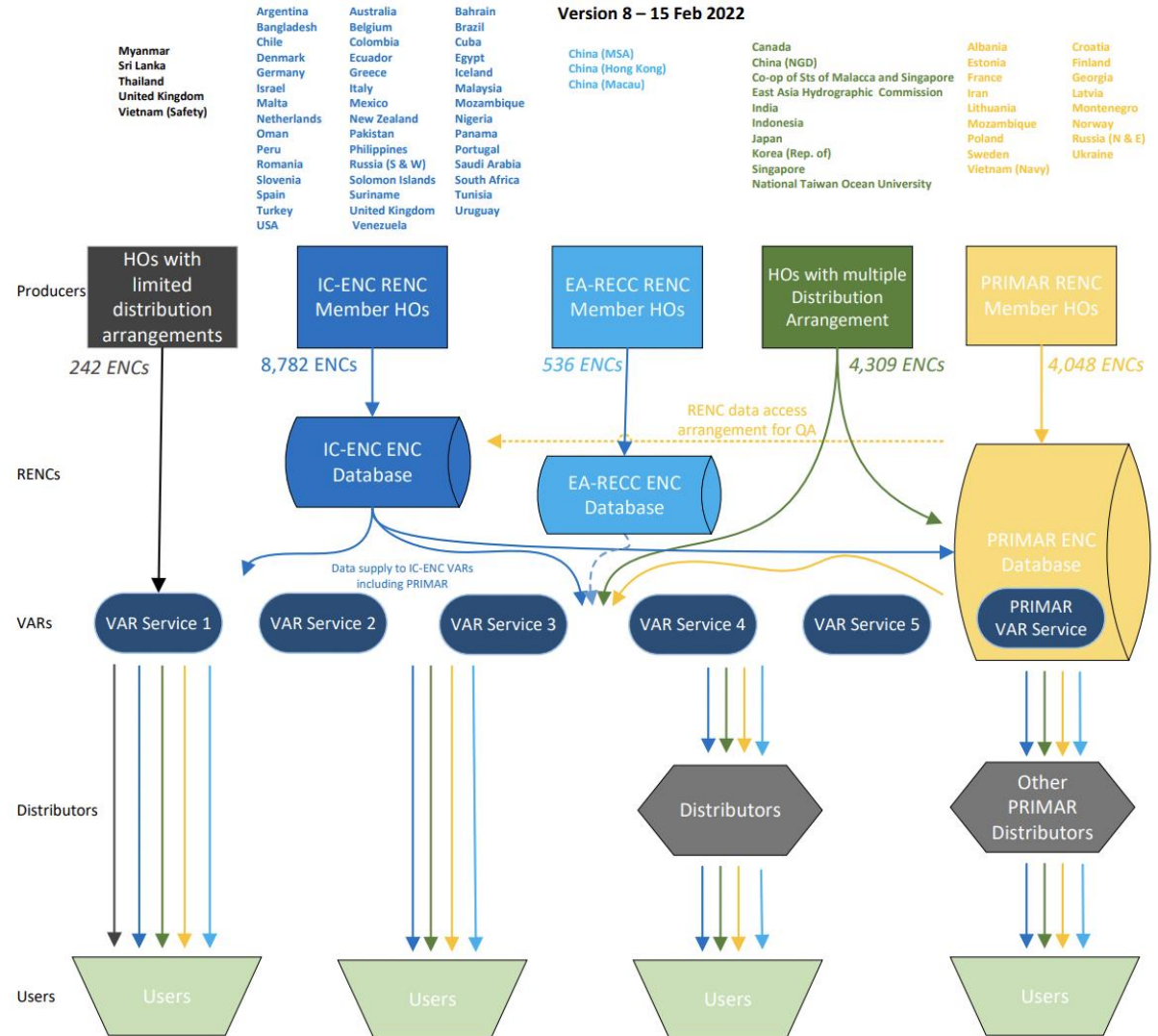
RENC COORDINATION

The WEND WG has always been a place for RENC Coordination, often including time for a RENC Coordination meeting prior to the WEND WG plenary. The RENCs coordinate outside the WENDWG, but their joint reporting is critical to the work of the WEND.

- EAHC RECC now included in the ENC Data Flow

ENC Data flow

Version 8 – 15 Feb 2022





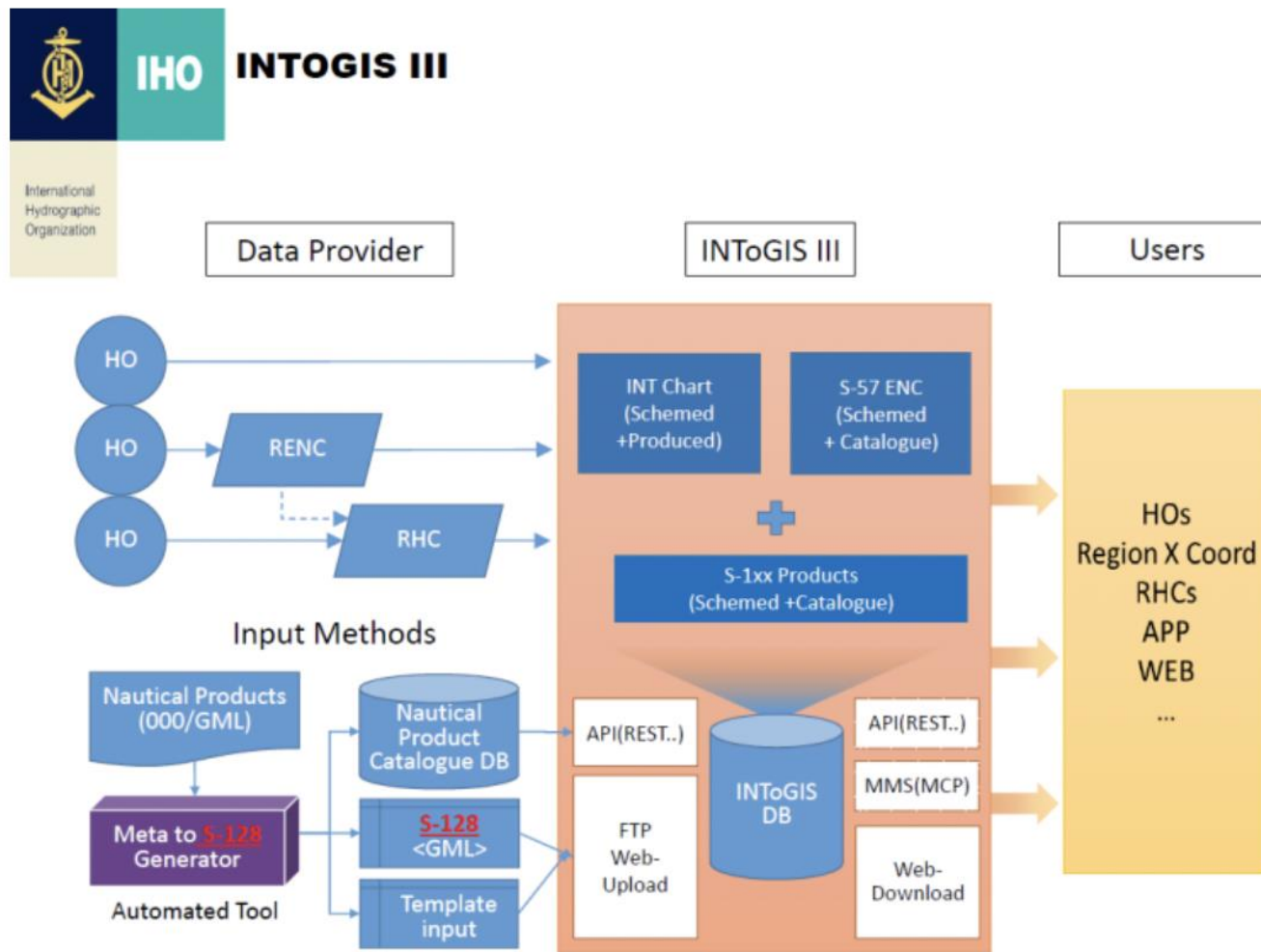
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INTOGIS

With many thanks to our KHOA colleagues, the WEND WG has served as a place to present and monitor progress for INTOGIS. We greatly appreciate KHOA's work on the project and acceptance of our suggestions over the years.

- INTOGIS III to be used by IHO MS and Secretariat, as one-stop-shop for S-100 products schemes, coverage and production monitoring compliant with S-128





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TRANSITION FOCUS FROM S-57 TO S-100 WEND WG REMAINS RELEVANT

The transition from a WG that only considers S57 ENC's to one that considers a wide array of S100 products and services has been one of the major accomplishments of the last 5 years. This has manifested itself in many ways and will likely continue to be a focus of the WG. All of the accomplishments discussed apply but do not reflect all of our work.

- S101 Scheming Guidelines and tracking progress
- Dual Fuel Concept
- Harmonizing Data





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THANK YOU

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