



Royal Netherlands Navy
Hydrographic Service

12th WENDWG

Agenda item_04.3
S-1XX Implementation
Guidelines

Report Chair drafting
group

Captain Marc van der Donck

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Introduction

- A number of issues has been discussed for which the drafting group has **not** yet reached a **common** conclusion.
- The report lists these issues and provides specific **decision points**, as a way to focus the discussion in the limited time available.
- The outcome of the decision points is to provide the guidance necessary to draft a **first iteration** of the 'Guidelines on the implementation of the WEND-100 principles' for consideration by **IRRC14**.



Use cases

WEND-100 paragraph 1.1

SOLAS/V		Outside SOLAS/V
Reg. 9 Hydrographic services 9-4 ...worldwide as unambiguously as possible. “...to ensure a world-wide consistent level of high-quality, updated official nautical and hydrographic S-100 based products through integrated dissemination services”		“Not subject to carriage requirement and the provisions of ECDIS, and to all other users supporting maritime activities”
Reg. 19 Carriage requirements “that support current and future hydrographic carriage requirements of SOLAS/V and other requirements of the IMO”		
19-2.1.4 General Chart and Publications	19-2.10 ECDIS “in particular the Performance Standards for (ECDIS)”	



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3



Use cases


- Decision point 1a. Introduce the 3 use cases to cover the full extent of paragraph 1.1 of the WEND-100 principles for S-102, S-104 and S-111 products in the first iteration of the Guidelines.
- Decision point 1b. Limit the first iteration of the Guidelines to cover the SOLAS/V ECDIS use case for S-102, S-104, and S-111 products only, with a general encouragement to use the same integrated dissemination services for other S-1XX products and/or use cases.



Threshold Oceanic/Regional

- Issue: the freedom for users to choose between a range of different S-1XX options with regional and oceanic coverage (and for producers to supply them).
- The suggested solution is to use a threshold compilation scale if used in combination with S-101 ENC.

S-57		S-101	S-57	
Navigation purpose	Name	Scale range	Maximum display scale Selectable range	
1	Overview	<1:1,499,999	1:10,000,000	
			1:3,500,00	
			1:1,500,00	96NM
2	General	1;1,499,999- 1:350,000	1:700,00	48NM
			1:350,000	24NM
3	Coastal	1:349,999- 1:90,000-	1:180,000	12NM
			1:90,000	6 NM
4	Approach	1:89,999- 1:22,000	1:45,000	3NM
			1:22,000	1,5 NM
5	Harbour	1:21,999- 1:4,000	1:12,000	0,75 NM
			1:8,000	0,5NM
			1:4,000	0,25NM
6	Berthing	>1:4,000	1:3,000	
			1:2,000	
			1:1,000	





Threshold Oceanic/Regional

- Decision point 2a. Use a threshold compilation scale/maximum display scale for concurrent use of various S-102, S-104 and S-104 products with S-101 ENC's for the SOLAS/V ECDIS use case to allow for the use of various regional and oceanic models.
- Decision point 2b. Set this threshold at a maximum display, i.e. compilation scale that is smaller than 1:350,000.
- Decision point 2c. Don't use a threshold but let Member States define the coverage of S-102, S-104 and S-111 products that they deem necessary for safe navigation in conjunction with their S-101 ENC where all WEND-100 principles apply.



S-128

S-128 informs the mariners on the availability of products for their safety. The question is to what extent is the publication of a Member State's S-1XX product in a catalogue under control of the responsibility of that Member State?

- Decision point 3a. Encourage the use of the integrated dissemination services for SOLAS/V carriage requirements for S-128 products, in addition to other local/bespoke arrangements.
- Decision point 3b. Production of S-128 containing a Member State's S-1XX product information can only be carried out by service providers or other organizations if delegated by that Member State.



Matrix

A matrix was used to express the varied applicability of the WEND-100 principles to S-1XX products and their use. On the one hand, it provided insight and, on the other hand, it drove a level of detail and complexity that might not be needed for the first iteration of the Guidelines.

- Decision point 4a. Aim for the first iteration of the Guidelines at being good enough with a written text only. Use a matrix, if necessary, internally within the WENDWG.
- Decision point 4b. Provide a matrix as Annex to the main body of first iteration of the Guidelines, detailing the written text.



S-98

A question raised was to what extent does S-98 on interoperability, address the overlaps (at small scales) between S-101 and the S102, S104 and S111 products?

- Decision point 5. Don't refer to S-98 in the Guidelines as a solution for inconsistency issues.



Completeness

There is also debate on including or not S-124, S-128 and S-129 products in the first iteration of the Guidelines for various reasons: ranging from maturity to out of scope.

- Decision point 6a. For completeness, mention S-124, S-128 and S-129 products in the first iteration of the Guidelines.
- Decision point 6b. Don't mention S-124, S-128 and S-129 products in the first iteration of the Guidelines as they are not mature enough.



Action required

The WENDWG is invited to:

- Note the report of the Chair of the 'Guidelines on the implementation of the WEND-100 principles' drafting group.
- Determine the way ahead for the first iteration of the 'Guidelines on the implementation of the WEND-100 principles' by way of deciding on the decision points on the following issues (as previously discussed).
- Take any other action as considered appropriate.