

Paper for Consideration by WENDWG-14

Determination of SPI 1.3.1 based on CL1/2023 outcome

Submitted by:	WENDWG Office Bearer
Executive Summary:	The paper provides the result of the WENDWG CL1/2023 responses (dated 3 Dec 2023, 20 Dec 2023)
Related Documents:	WENDWG CL 1/2023, IHO Strategic Performance Indicator (SPI) 1.3.1
Related Projects:	WENDWG work, national and regional reports

Introduction/Background

The WENDWG work is focussed on monitoring and advising IRCC on the development of a worldwide consistent level of high-quality, updated official S-57 and S-101 ENC's, and ENDS (as well as other S-100 products and services), through integrated services that support chart carriage requirements of SOLAS Chapter V, and the requirements of the IMO Performance Standards for ECDIS. WENDWG's work supports the S-100-based products and services implementation strategy of the IHO.

The IHO Publication P-5 (IHO Yearbook) provides a list of Member States and Non-Member States. The IHO Secretariat updates this publication continuously. The publication listed 104 Member States in November 2023. This list includes overseas areas of certain countries.

WENDWG issued CL1/2023 on 25 August 2023 with a due date of 30 November 2023 approaching Member states through their respective Regional Hydrographic Commissions to provide information on their S-100 readiness status.

Due to limited responses, the WENDWG Chair wrote a reminder on 4 December 2023 with a due date of 20 December 2023 to the HOs that do not provide their S-100 readiness status.

The received responses have been incorporated in the scoring table. The new values are indicated by **red font**.

During IHO Assembly 3 the IRRC Chair presented the current values of the various IHO SPI related to IRRC work. WENDWG was responsible for providing the value for SPI 1.3.1.

Goal 1.3 Use capacity building and training to develop and increase the ability of Member States to support the safety and efficiency of maritime navigation.

SPI 1.3.1 Ability and capability of Member States to meet the requirements and delivery phases of the S100 implementation plan (2026: 50%).

Analyses/Discussion

The WENDWG Bearer issued CL1/2023 to collect information on the S-100 readiness status from IHO Member States. This information is used to support the SPI 1.3.1 determination.

Dated 3 December 2023 (20 December 2023), we received 29 (44) submissions from the 104 Member States and two non-IHO Member States listed in the IHO P-5. This is a response rate of 27.88% (42.31%) of the Member States.

Twenty-four (thirty-eight) Member States are following an S-1xx implementation plan and they intend to provide the first products in 2025. Three (four) of the five (six) remaining Member States developing such an implementation plan and they expect the plan ready by 2025 (2), 2026 (1) and 2027 (1).

The production of S-101 and S-102 is the top priority followed by S-104, S-111 and S-124.

Thirty Member States plan to provide S-124 products. However, this is not relevant as many HOs are not responsible to provide S-124 products.

Twelve (Fourteen) Member States plan the production of S-128 datasets.

The average product prioritisation and the years of putting products into service are as follows:

Product	Prioritization	Year in Service											
		2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2025	
S-101	1.18 1.12	12 23	11 14	3		1							
S-102	1.5 1.55	13 21	9 11		3	1							
S-104	2.54 2.56	7 15	5 7	1	3 4	1	2 3						
S-128	2.7 3.2	6 7	3 4										
S-111	2.90 3.11	5 14	5 6		5		3 4						
S-124	2.95 3.16	4 11	7 8	2 3	2 3	1							

Discrepancies between the amount of submitting Member States and the sum of the Year in Service amount based on “not defined” values.

The majority of Member States require support to start production. Half (24 of the 44) of the submitting Member States are willing to share their test/trial data with other HOs. The focus is on S-101 and S-102 data sets.

A response rate of 28% (42.31%) is still not sufficient to specify an SPI 1.3.1 value though. WENDWG can develop some statistic workarounds. One solution could be:

23 of 29 Member States will provide S-101 by 2026; rate of 79%

37 of 44 Member States will provide S-101 by 2026; rate of 84%

21 of 29 Member States will provide S-102 by 2026, rate of 72%

32 of 44 Member States will provide S-102 by 2026, rate of 73%

12 of 29 Member States will provide S-104 by 2026, rate of 41%

22 of 44 Member States will provide S-104 by 2026, rate of 50%

10 of 29 Member States will provide S-111 by 2026, rate of 34%

20 of 44 Member States will provide S-111 by 2026, rate of 45%

11 of 29 Member States will provide S-124 by 2026, rate of 38%

19 of 44 Member States will provide S-124 by 2026, rate of 43%

9 of 29 Member States will provide S-128 by 2026, rate of 31%

11 of 44 Member States will provide S-128 by 2026, rate of 25%

The average rate to fulfil SPI 1.3.1 is 44% (53%).

Conclusion

The calculated average rate of the readiness status to provide S-1xx services by 2026 is 44% (53%).

The WENDWG should inform IRCC of the limited number of responses and on the used statistic workaround. Otherwise, IRCC could misinterpret the result and may generate wrong assumptions.

Justifications and impacts

The lack of responses results in statistical workarounds to determine an average percentage of Member States fulfilling the SPI 1.3.1 goal. The IHO community must intensify the effort to put more Member States into a position to be able to produce S-1xx data products by 2026 at the latest. Otherwise, the IHO will fail the commitments against the IMO.

Action required of WENDWG-14:

The WENDWG-14 is invited to:

- a. Discuss the results of the WENDWG CL1/2023 survey.
- b. Discuss the way forward to approach CB for consideration.
- c. Advice RHC representatives (present or absent) to explain the next year's survey.