



Royal Netherlands Navy
Hydrographic Service

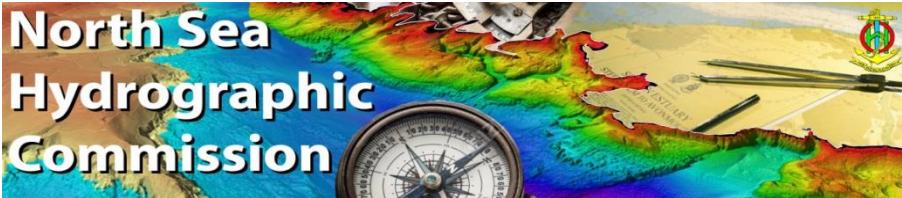


35th NSHC Conference

Agenda item D3

Strategic Performance
Indicators allocated to
RHCs by IRCC
- An introduction

**North Sea
Hydrographic
Commission**



Captain Marc van der Donck

5-6 April 2022



Follow on action on IRCC CL 1/2021 “IHO Strategic Plan for 2021-2026- Procedure for measuring the Strategic Performance Indicator (SPI).

- C5 agreed to the SPI metrics as proposed by IRCC and tasked IRCC to engage with the RHCs to design relevant implementation procedures as appropriate.
- C5 tasked the IRCC to provide tentative values and comments to the Council Chair for the preparation of the Annual Report (by the end of January 2022).
- IRCC Chair issued the IRCC CL 1/2021 regarding the procedures for measuring the Strategic Performance Indicators (SPI) allocated to IRCC.



SPI 1.2.2 Percentage of navigationally significant areas for which the adequacy of the hydrographic knowledge is assessed through the use of appropriate quality indicators

- Allocated RHCs
- To measure this SPI two parameters need to be defined.
 - What are navigational significant areas?
 - What are appropriate quality indicators?
- Current C-55 offers no useful reference.



SPI 1.2.2

- What are navigational significant areas?
 - I suggest as a first iteration those areas that are or should be (based on risk assessment) covered by ENC's UB 3-6. Those UB's typically cover coastal waters, approaches, harbors, berthing areas, fairways and channels.
- What are appropriate quality indicators?
 - For those navigational significant areas I suggest that SOUACC of Soundings and POSACC and SOUACC of objects/wrecks should be provided in the ENC besides CATZOC.
 - This approach is subject to further findings of the DQWG.



SPI 1.2.2

- Of note:
 - Assessing the adequacy through quality indicators is not the same as being adequate.
 - It means that the data has the appropriate quality indicators, not that the chart/survey is adequate .
 - SPI 2.2.1 measures the percentage of adequately surveyed area per coastal State.



SPI 1.3.1 Ability and capability of Member States to meet the requirements and delivery phases of the S-100 Implementation Plan.

- Allocated CBSC as supported by CBC of RHCs
- As proposed by CBSC. Develop a questionnaire in conjunction with IHO S-100WG. CB coordinators can then disseminate this to RHCs.
- Alternative is to measure through the RENCs. RENCs report which members disseminate what S-1XX products at a specific moment in time.
 - In line with WEND-100 Principles.



SPI 2.1.1 Number of hits downloading data / information from the portal.

- Allocated MSIWG as supported by RHCs
- As described in remarks of ANNEX A of CL1/2021.
- Potential refinement by:
 - Yearly growth indicator
 - Subdivision in type of user



SPI 2.2.1 Percentage of adequately surveyed area per coastal State.

- Allocated RHCs
- To measure this SPI we need a common definition of what “adequately surveyed” means.
 - Adequately surveyed directly refers to the C-55 survey status.
 - The C-55 RPT recommended to use CATZOC for ENC’s to derive survey status data as a first step to the quality and especially the consistency of C-55.
- However, there is no proposal on how CATZOC translates to “adequately surveyed”.



SPI 2.2.1 Percentage of adequately surveyed area per coastal State.

- So, if we want to operationalize this SPI, we will have to start somewhere. I suggest the following simple scheme which we can improve/refine over time.

C-55		CATZOC
Adequately surveyed	<40 mtr	A1, A2
	40 mtr > <200 Mtr	B
	>200 mtr	Meeting Seabed 2030 grid requirements



SPI 2.3.1 Number of Hydrographic Offices reporting success applying the principles in their national contexts.

- MS via RHCs
- This a difficult SPI to operationalize because there is no prescribed way to apply the UN Shared Guiding Principles for Geospatial Management.
- Option: in line with Guidelines for Implementation of WEND-100 Principles
 - MS report if S-1XX (S-57) data sets are used for the development of products for non-SOLAS navigation or other maritime purposes.



SPI 2.3.1

