



## 6th Meeting of the IHO Council

**Avoid any ambiguity for S-100 based products which contribute to safety of navigation by distinguishing them to other products for other purposes using the same format**

**Agenda Item C6-04,2B**



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## PURPOSE OF WEND PRINCIPLES

International  
Hydrographic  
Organization

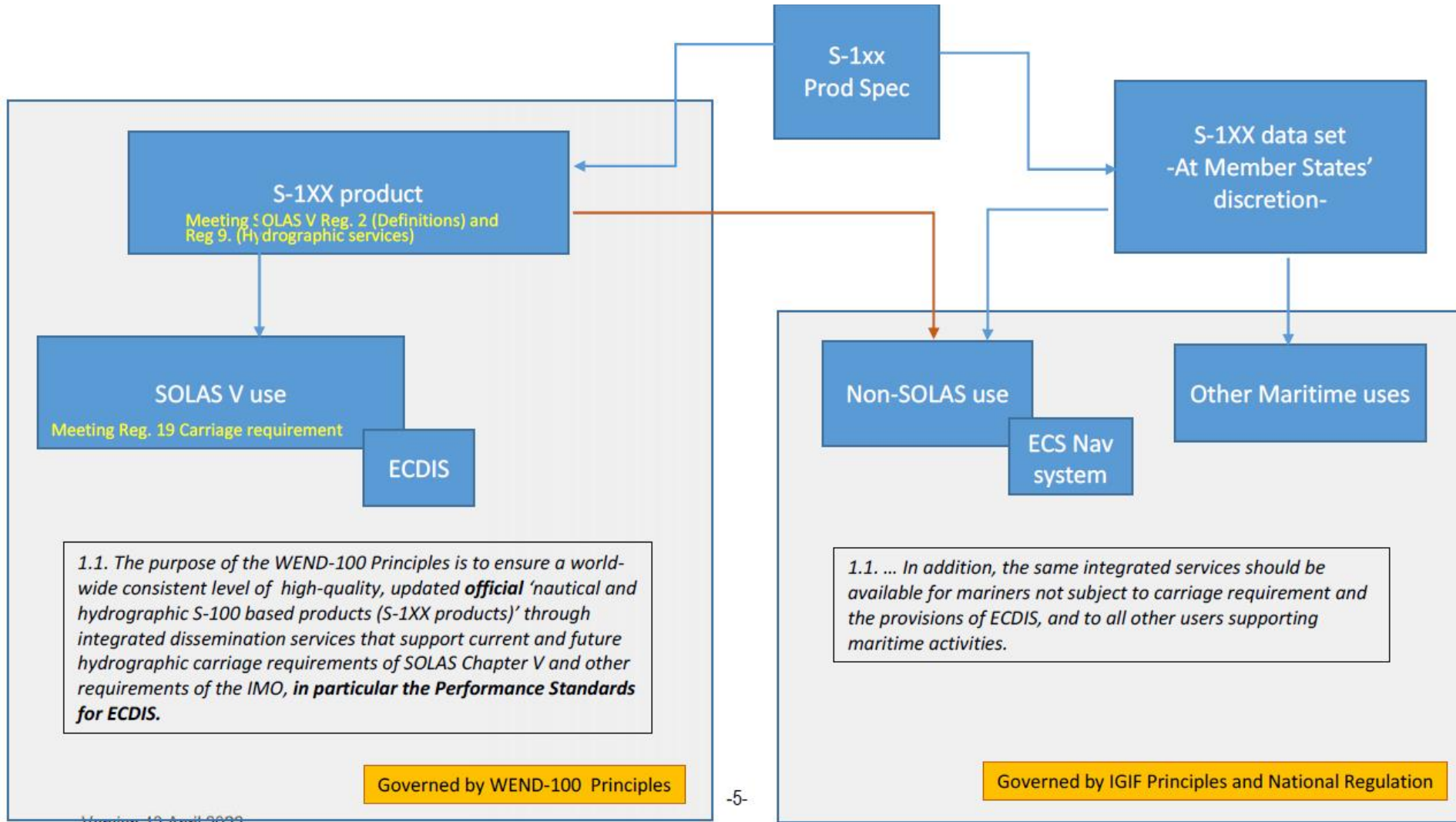
- IHO Resolution 1/2021: “The purpose of WEND-100 Principles is to ensure a world-wide consistent level of high-quality, updated official nautical and hydrographic S-100 based products (S-1XX products) through integrated dissemination services that support current and future hydrographic carriage requirements of Safety of Life at Sea (SOLAS) Chapter V (SOLAS/V) and other requirements of the International Maritime Organization (IMO), in particular the Performance Standards for Electronic Chart Display and Information Systems”
- HSSC and IRCC working groups, such as the S100WG and WENDWG, are considering the development of S-1xx products for the IHO SP Goal 2 “Increasing the use of hydrographic data in the society”.



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# PROPOSED GUIDELINES FOR THE IMPLEMENTATION OF S-1XX PRODUCTS: S-1XX PRODUCT FOR SAFETY OF NAVIGATION AND S-1XX DATA SET FOR OTHER USES

International Hydrographic Organization



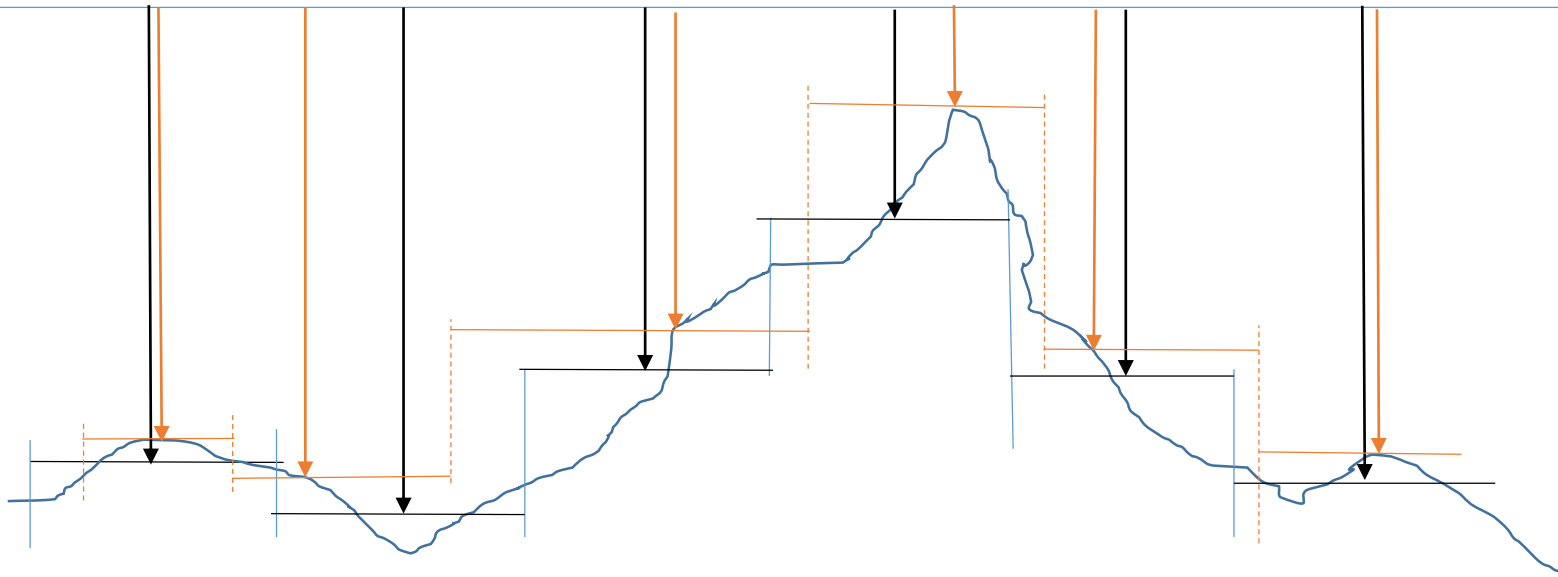
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# ONE EXAMPLE OF THE USE OF HYDROGRAPHIC DATA: HYDRODYNAMICAL MODELING

- Using for ocean forecasting models, a S-102 product developed for safety of navigation according to the product specification (example below with depth values in orange), would give wrong results (with higher currents values than the reality)
- Conversely, an appropriate DTM for modeling (depth values in black in the example) cannot be used as a S102 product for navigation safety





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## RECOMMENDATION

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- Using the term S-1xx in the designation of different products using the S-1xx format would be confusing and misleading: i) because a product designed for a purpose other than navigational safety should not be used for navigation, ii) because a product designed for navigational safety will generally not meet other usage requirements (example in previous slide).
- The denomination S-1XX should be reserved solely to the production meeting S-1xx Product Specifications and WEND-100 principles, other product using S-1XX format should not be designated and named with the term S-1xx.

IHO (most probably HSSC) should investigate the issue and develop any appropriate actions in this matter.