

S-100 Interdepartmental Government of Canada Committee (SIGCC)

USCHC 47, St. John's NL, May 30-31



Committee Role

- **Support data strategies** of affected Departments by monitoring and reporting activities for the data strategy, making recommendations and suggestions on these matters;
- **Promote a government-wide approach** to data acquisition, management, quality, and usage, ensuring the alignment of data to outcome monitoring and reporting activities;
- **Work collaboratively** to ensure that data management activities are in alignment with the established priorities of the affected Departments to enable sound decision making.
- **Facilitate cooperation in international engagement** in S-100 relevant international bodies and provide a venue for evaluation of international work and its impact on Canada.

Membership

- Canadian Hydrographic Service (**Chair - Louis Maltais**)
- Canada Coast Guard (**Secretariat - Natacha Riendeau**)
- Environment and Climate Change Canada / Canadian Ice Service / Meteorological Service of Canada
- Transport Canada
- Department of National Defence
- St Lawrence Seaway Corporation

- The Committee's **Terms of Reference** was updated this year to reflect new membership and updated practices.



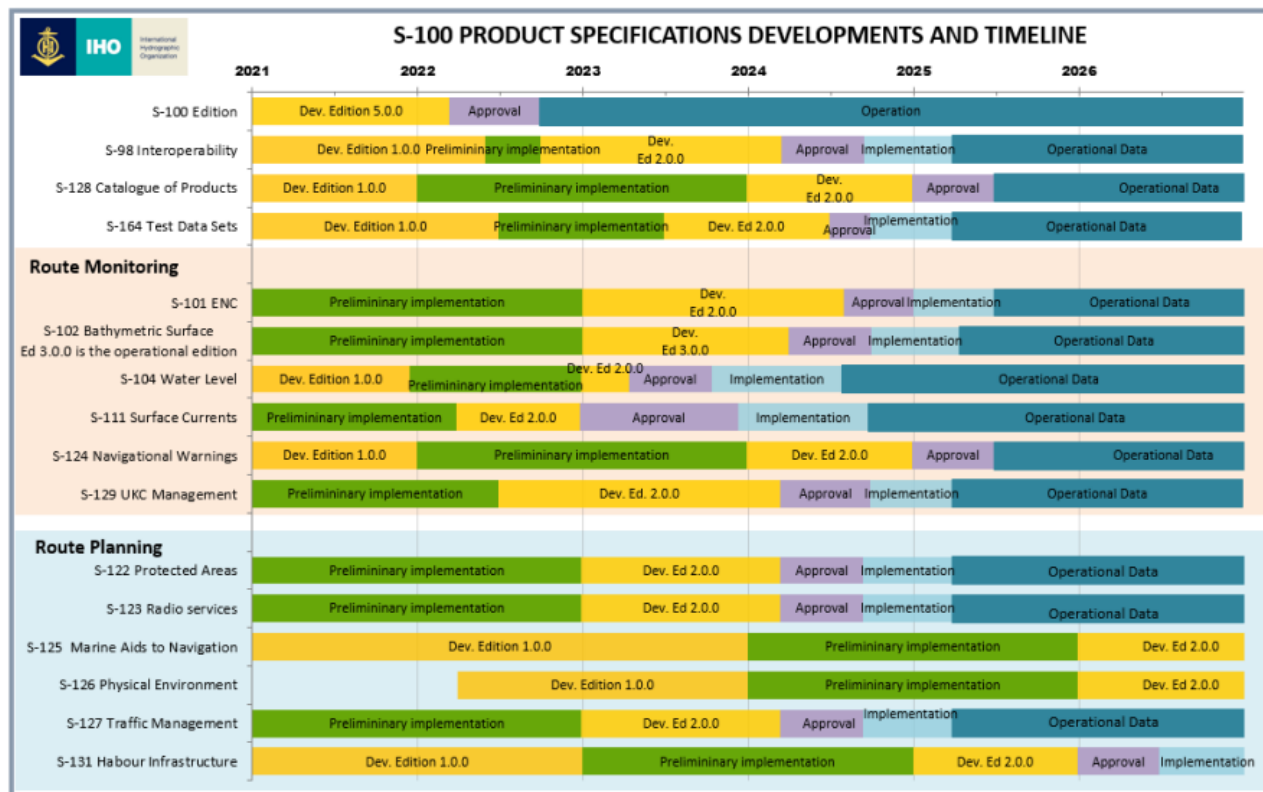
Updates to the Canadian S-100 Catalogue 1/2

S-100 based product specification	Responsible department	Edition	Producer code	Production Capacity	Distribution Capacity	Coverage	Service Status	Launch Date
S-128 Catalogues of Nautical Products	multi-agency input - CHS lead	1.2	CA00				Specification approved (G... wrapper based on	
Route Monitoring								
S-101 Electronic Navigational Chart	CHS	1.2	CA00	no		Canada wide	plan towards partial coverage in Spring 2025	
S-102 High definition bathymetric chart	CHS	2.1	CA00	yes	yes	St-Lawrence River	Operational	launched
S-104 Tidal information	CHS	1.0	CA00	yes	yes	St-Lawrence/ H2D2	Files being produced, not pushed to cloud yet	
S-111 Surface Currents	CHS	1.0	CA00	yes	yes	Canada wide / St-L	Operational	launched
S-124 Navigational Warnings	CCG	1.0.0	CA01	almost	Trial on CCG Furuno ECDIS	Canada wide	Ps in development	HO registries done
S-129 Under Keel Clearance Management	CCG	1.0.0	CA01	no	no	Canada wide	Being considered in the p...	study completed,
Route Planning								
S-122 Marine Protected Areas	Shared authority	1.0.0						Task force being e...
S-123 Marine Radio Services	CCG	1.0.0	CA01	no	no	Canada wide	Recent contract to enable	Task force being e...
S-125 Aids to Navigation	CCG	0.3	CA01	no	no	Canada wide	Ps in development	modernised list of
S-126 Marine Physical Environment	CHS Sailing Directions	0.0	CA00				NIPWG scoping	sailing direction t...
S-127 Marine Traffic Management	TC - CCG - CHS	1.0.0		no	no	Canada wide	Recent contract to enable	reserver on e-na...
S-131 Harbour Infrastructure	Harbours +CHS	1.0.0				Harbours areas		
S-121 Maritime Limits and Boundaries	CHS	1.0	CA00	yes				
S-130 Sea Areas								
S-201 Aids to Navigation Information	CCG	1.1.0	CA01	no	no	Canada wide	caris HPD production tool	in place, HPD san...
S-210 Inter VTS Exchange Format	CCG	0.0	CA01	no	no	Canada wide		
S-211 Port Call Message Format	CCG + ports?	1.1.0		no	no	port areas	Being considered in the CVMS project	
S-212 VTS Information Service	CCG	0.0.1	CA01	no	no	VTS zones		
S-240 DGNS Station Almanac	CCG - NRCAN	1.0.0		no	no	Canada wide	Not actively worked. DGPS	under considerati...
S-411 (Dynamic) Ice information	ECCC	1.1.0	CA02	TBD	TBD	Great Lakes	close to datamart	looking at options
S-412 Weather and Wave Hazards	ECCC	0.1.0	CA02	TBD	TBD	Canada wide	ECCC-NOAA work	WMO -Main focus
S-413 Weather and Waves Conditions	ECCC	0.1.0	CA02	TBD	TBD	Canada wide	ECCC-NOAA work	high level scoping
S-414 Weather and Waves Observations	ECCC	0.1.0	CA02	TBD	TBD	Canada wide	ECCC-NOAA work	high level scoping
S-421 Route Exchange format	CCG	1.0	CA01	no	no	Canada wide	links to CVMS	April IEC TC80 WC



Updates to the Canadian S-100 Catalogue 2/2

- Organized according to the S-100 Timeline for the prioritized IHO Product Specifications (see image to right)
- Each S-100 based product specification has a responsible department who provides an update at the meeting.



Data Dissemination 1/2

Waterway Zone Concept

- A proposed solution to the gap that will be created as the world shifts away from paper charts to user defined charts.
- Instead of referring to traditional chart numbers to relate information to a geographic location, geospatially defined areas (waterways) will be used.

Authoritative data

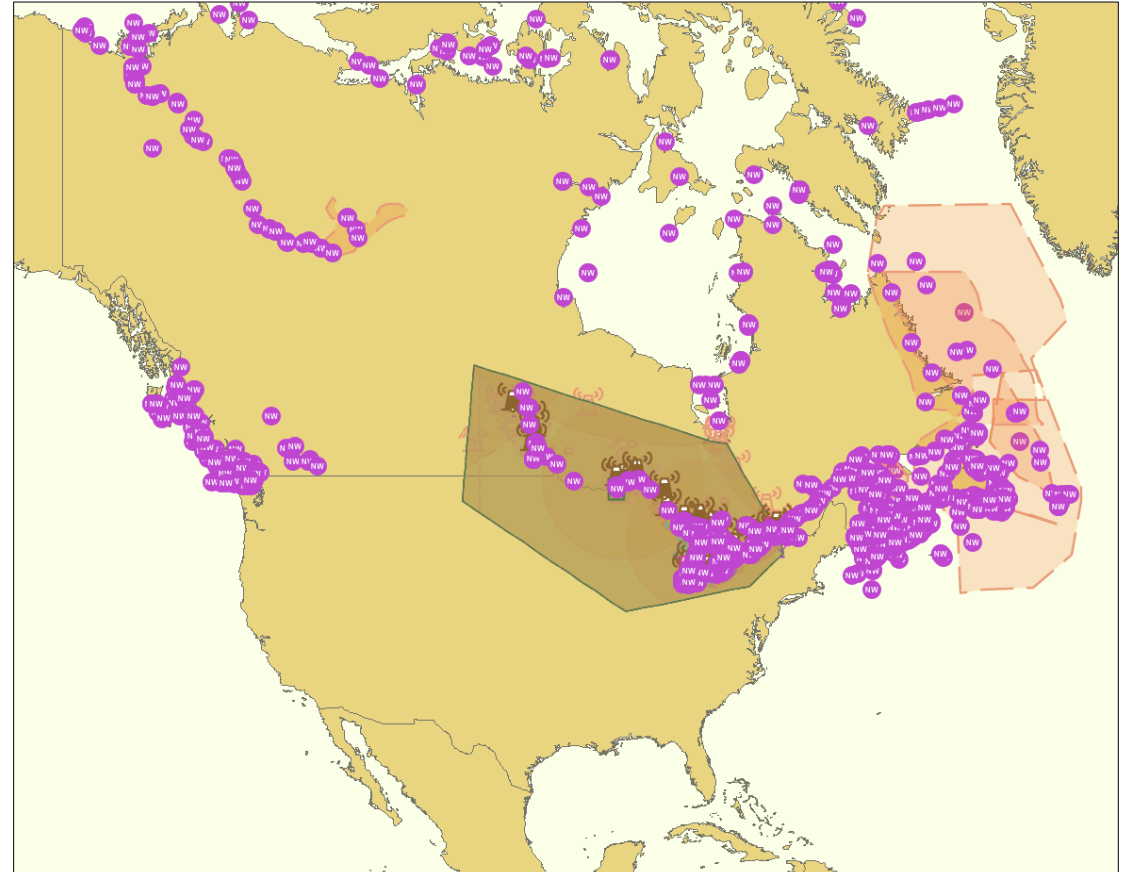
- Goal: Create/provide authoritative S-100 data through regulation and validation.
- Impacts of the WEND Principles on data coverage are considered.



Data Dissemination 2/2

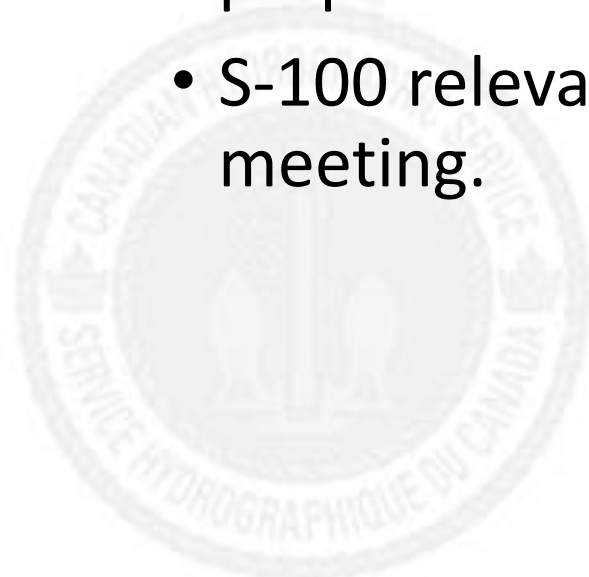
Maritime Connectivity Platform (MCP)/SECOM

- Development and implementation of standards and secure means of communication to enable infrastructure for seamless electronic information exchange among maritime stakeholders.
- Goal: Provision of cybersecure infrastructure for maritime information exchange.
- Ongoing tests and trial implementations
 - Successful SECOM trials to disseminate S-124 test data in a lab environment.
 - Lessons from these trials will be used to create additional services.



Interdepartmental Calendar/Upcoming events

- Relevant upcoming events are discussed during each meeting with a list being added to the meeting RoD.
- Goal is to inform committee participants on S-100 related items, provide event details, and ensure potential event participants are prepared and supported.
- S-100 relevant outcomes are reported on at the following committee meeting.





Questions?

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