S-100 Interdepartmental Government of Canada Committee (SIGCC)

Report to USCHC47

St. John's, NL

May 30-31, 2024

Canada

S-100 Interdepartmental Government of Canada Committee (SIGCC)

- Monthly calls
- Averaged 15 participants
- Canada approach used around the globe:
  - Australia
  - Sweden
  - Norway
  - Finland

To take a leadership role in the creation, implementation and oversight of implementation of S-100-based services in Canada by developing documentation, creating national standards and policies, defining roles and responsibilities and controls that will harmonize the Canadian e-Navigation data chain.

S-100 based product specification	Responsible department	Edition	Production Capacity	Distribution Capacity	Coverage	Service Status
S-101 Electronic Navigational Chart	CHS	2.0	no		Canada wide	project defined at CHS
S-102 High definition bathymetric chart	CHS	2.1	yes	yes	St-Laurence River / St-John NE	Operational
S-104 Tidal information	CHS	1.0	yes	yes	St-Lawrence H2D2	Co aligned with S-102 to avoid interpolation issues
S-111 Surface Currents	CHS	1.0	yes	yes	Canada wide / St-Lawrence H2	Operational
S-121 Maritime Limits and Boundaries	CHS	1.0	yes			
S-122 Marine Protected Areas	? ECCC / DFO + ?	1.0.0				
S-123 Marine Radio Services	CCG	1.0.0	no	no	Great Lakes / Canada wide	reviewing production options
S-124 Navigational Warnings	CCG	0.3	almost	Trial on CCG Furuno ECDIS	Canada wide	Ps in development
S-125 Navigational Services	CCG	0.0	no	no	Canada wide	Ps in development
S-126 Marine Physical Environment	CHS Sailing Directions	0.0				NIPWG scoping
S-127 Marine Traffic Management	TC - CCG	1.0.0	no	no	Canada wide	reviewing production options
S-128 Catalogues of Nautical Products	? multi-agency responsibility					to be discussed >TSM S-100 meeting
S-129 Under Keel Clearance Management	CCG	1.0.0	no	no	Canada wide	Being considered in the CVMS project
S-131 Harbour Infrastructure	CHS + ?	0.0				NIPWG developping prod spec (data model stage)
S-201 Aids to Navigation Information	CCG	1.0.0	no	no	Canada wide	caris HPD production tool in place, training planned
S-210 Inter VTS Exchange Format	CCG	0.0	no	no	Canada wide	Ps in development
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	no	no	VTS zones	Ps in development, focus on portrayal
S-240 DGNSS Station Almanac	CCG - NRCAN	1.0.0	no	no	Canada wide	Not actively worked. DGPS under consideration for decomissioning in
S-411 Ice information	ECCC	1.1.0	TBD	TBD	Lakes	close to datamart publication (IMO MSP links, IALA)
S-412 Weather and Wave Hazards	ECCC	0.1.0	TBD	TBD	Canada wide	ECCC-NOAA work
S-413 Weather and Waves Conditions	ECCC	0.1.0	TBD	TBD	Canada wide	ECCC-NOAA work
S-414 Weather and Waves Observations	ECCC	0.1.0	TBD	TBD	Canada wide	ECCC-NOAA work
S-421 Route Exchange format	CCG	1	no	no	Canada wide	links to CVMS

In Red boxes, Route monitoring layers, priorities

2024-2025 Work plan (work in progress)

- Creation of national S-100 tests beds
  - CCG S-100 planning station
  - CCG Furuno Gate 1
  - Pilotage administrations
- S-131 Harbour infrastructure
- S-129 Underkeel management

Potential Summer 2025, International S-100 sea trials on St-Lawrence River with all Route monitoring layers