S-131 Project Team Meeting

Wednesday, June 28th, 2023

In Attendance: Parry Oei, Matilde Skjaeveland Skar, Victor Sim, Eivind Mong, Ed Kuwalek, Raphael Malyankar, Sarah Rahr, Eric ____, Stefan Engstrom

Regrets: Shwu-Jing Chang, JP,

Agenda:

1) Welcome

2) Approval of agenda

3) Development updates:
   a) API and DB progress: Ed Kuwalek – early version of the system is up and running on s131dev.com. Access the main Swagger interface at:

      http://s131dev.com:8080/s100api-1.0.0/dist/#/

      Login required to access.
      Username: s100api
      Password: 6d811d52cf500ba6c6946daac239ae35

      The following **api key** is needed with every call to access the database:
      feb122d2c224118adcbb1baba2068d1c

      Please consult video (*especially the 2nd half, which details how to use the API via the swagger interface!) at https://youtu.be/MBudobw7hZs

      API linked to DB, loaded with some sample S-131 data, can key in individual API end points and send requests into the API and receive responses via Postman. Can extract GML-conformant data from DB.
      Challenges: attributes of relationships, multi-treading needs more stress/performance testing.
      Transferred to GeoJSON to load DB more easily.
      Modelling in S-100 world and implementing those models using existing technologies requires a bit of flexibility re format.
      IIC started engaging with a limited number of different ports for now to ensure functionality can support bigger/broader datasets. More ports will be invited to participate in Q4 of 2023. Developing info session to connect with ports and explain how to prep their data for ingestion and what to expect. SR to contact E-Nav with Canadian Coast Guard to develop.
      RM: registry evolves, will be compatible with the snapshot of the registry at any given point.

a) GUI progress: Shwu-Jing Chang – unable to log into meeting
b) Update from NIPWG VTC02, June 20th-21st: SR Gap Analysis from what SHOM has done and what their SD contains, an accurate depiction of most HOs data. How to close these gaps? Speed restriction zones – where does that go? S-127, S-131. 421 discussion – SD are usually presented in narrative and that is a description of a journey. We don't have a good way of capturing that type of info in S-100. But 421 routes can capture route planning, traffic direction, waypoints, but requires an external type of linkage eg MRD. If we had a robust MRN then easier for S-421 to be expanded and properly capture these narratives. Currently only description type fields can capture it. Eivind asked Dr Li (Korean Maritime Uni) to help develop more accurate planning of routes on S-421. A potential project for the Singapore IHO Lab.
c) Review SHOM Gap Analysis presentation at: PowerPoint Presentation (iho.int)

4) S-131 Project Team Meetings:
   a) Upcoming VTC: Monday July 10th – Tuesday, July 11th, 2023
   b) NIPWG10: S-131 F2F Monday, September 11th, 2023. Attendees: JP, EK, SJC, RM?
   c) S-131 F2F: November 20th - 22nd, 2023 in Singapore

5) Test Data From ports:
   3 or 4 ports to start; 6 more by December 2023. Want a variety of data & participants, need to test all aspects of features and model. EM: cross-selection of big ports to smaller ports to test access. The more representative sample we can get of real-world ports, the better prepared the system will be to support as many users (and GIS skill levels) as possible. Eg Port Dover – is it run by the municipality? Federal government department? Who is the authority to engage to get info on the port? Will start developing an online "info session" to circulate among mariners/ports/etc via e-navigation. eg CMAC. SR to speak with Cheryl Marshall to kickstart comms.

6) Next meeting: July 10-11th, 2023 @ 12m GMT . Please submit additional agenda items by July 6th, 2023.