**Marine Traffic Management (S-127)**

Subject: Marine Traffic Management (S-127) Scope Expansion

Date: 25 August 2020

Forum: Microsoft Teams Meeting by Eivind Mong (CHS)

Attendees: Jens Schroeder-Furstenberg (BSH) (Chair) Michael Kushla (NGA)

Raphael Malyankar (Portolan Services) Tom Loeper (NOAA)

Tina Perry (NOAA) Eivind Mong (CHS)

Charline Giffard (CHS)

Discussion based on the following:

1. Extension of test data set and requested changes.
2. Assignment of contact details to locks/bridges.
3. Effective provision of signal information.

**Test Data Set Discussion**

Reviewed Draft No. 2 changes compared to Draft No. 1.

Marine Resource Names (MRNs) will not be appended. The data set and modeling is for an M-2 item and adding MRNs would only cause confusion.

Request to take seasonal/weekend differences in operating hours for locks.

Signals (Locks) are acceptable but requested a visual depiction of the light signals in addition to the written description of these signals.

Information on a series of locks/bridges? No need to capture the construction. The designation for one lock/bridge can be used for each upcoming lock/bridge in the series.

**Data Model Feature/Attribute Discussion (Contact Details/Signals)**

**Bridges—**How can Contact Details/Signals be done in S-127 without interfering with S-101. Contact details not in S-101. Jens proposal was to make it an aggregated feature to avoid copying S-101.

S-101 has Geo Feature: Bridge (Section 6.5.1 in S-101 Annex A DCEG) and Bridge Aggregation (Section 25.4 in S-101 Annex A DCEG). The proposal to use an aggregation was rejected as the aggregation has no spatial to assign information to. Result—The Feature Bridge (Section 6.5.1 in S-101 Annex A DCEG) should be used.

**Locks—**What is best way to model lock dimensions? S-101 has Geo Feature: Locks (Lock Basin) (Section 8.20 in S-101 Annex A DCEG). However, the physical parameters would best assigned to Lock Gate (can copy the gate geometry from the ENC).

Narrow Passage was considered but rejected as to generic and difficult to visualize. Made more sense if referring to Waterway or Canal.

**Bottom Line—**Add a Bridge Feature Class and a Lock Gate Feature Class. Both would have minimum attributes and added applicability. Create new instructions to use for modeling S-127, focusing on details of Contact Information and Signals.

**Action Items for Mike Kushla**

1. Update Locks hours of operation to reflect weekend/seasonal differences.

2. Develop and include visual depictions of the visual signals for the Locks.

3. Provide Clean and Red-line versions of Draft No. 3 to the group for review and further comments.

4. Provide written minutes of the meeting to the group.