Terms of Reference

for the

Data Model and Interfacing Technical Working Group

**Introduction**

At the core of the e-Navigation strategy of IMO, there is a Common Maritime Data Structure (CMDS), and the harmonization of data exchange is essential to e-Navigation.

**Scope**

A close co-operation with IHO is anticipated regarding IHO standards S-100 and S-99 and its associated Geospatial Information Registry (GI Registry). IALA would become a “domain owner” at the IHO GI Registry. This close co-operation requires IALA to set up a working environment which supports the planning and run-time demands of being a “domain owner” at IHO’s GI Registry. The run-time demands include also short-time responses to requests from other IHO stakeholders to amend IHO GI Registry entities relevant to the “domain owner” IALA.

**Terms of Reference**

following

1. Create the IALA Harmonized Data Model (IHDM) as part of the IALA e-Navigation stack and as IALA’s contribution to the IMO envisaged Common Maritime Data Structure, in co-operation with IHO regarding the IHO GI Registry [refer to e-NAV Committee work programme item 22];
2. Create the IALA Maritime Data Exchange Format (MDEF) (including the IVEF) as part of the IALA e-Navigation stack [refer to e-NAV Committee work programme items 22 and 23];
3. Coordinate input and liaison with other IALA Committees, PAP and IALA Secretariat so that they may migrate their data object/property definition and interface sentence needs towards the IHDM and the MDEF (including the IVEF) respectively [refer to e-NAV Committee work programme item 23];
4. In particular, develop appropriate procedures for IALA’s inner working, also beyond the scope of the IALA e-NAV Committee, to fulfil the demands to IALA of being a “domain owner” at IHO’s GI Registry, as stipulated by the IHO standards S-99 and S-100 [refer to e-NAV Committee work programme item 23];
5. Coordinate input to IMO, IHO, ISO, IEC and others on data modelling and data exchange / interfacing issues [refer to e-NAV Committee work programme item 24];

**Deliverables**

1. the IHDM and the MDEF (including IVEF), conveyed in appropriate IALA Recommendations and Guidelines, and as entries into the IHO’s GI Registry;
2. appropriate procedure descriptions, conveyed in an appropriate IALA document, for IALA’s inner working to fulfil the demands of being a “domain owner” at IHO’s GI Registry;
3. proposed liaison statements, as appropriate;