e-NAV10 Input paper

Agenda item 11

Task Number

Author(s) WG5

WG5: Architecture Technical

# Introduction

To support the IMO e-Navigation concept, a user requirements-driven technical concept for shore is needed. Such a concept provides the guiding principles for existing and new technical services provided by IALA Members to the marine community. It ensures the conceptual compatibility of those services with IMO's e-Navigation concept.

# Scope

This Architecture TWG will take into consideration IMO development regarding the overall e-NAV concept. It will take into account the status and on-going development of shipboard equipment. The Architecture TWG will not create operational (user) requirements but facilitate their development by providing templates. Furthermore, it will not create individual e-NAV service documentation for individual technologies, but will facilitate its development.

# Objective

The primary objective of the WG is to prepare and maintain the shore-side architecture in accordance with the overall IMO e-Navigation architecture.

# Terms of Reference

1. Create the conceptual and technical framework for a shore-based e-NAV system, in particular the system architecture [work programme item 22];
2. Taking into account the work of the Strategy and Operations Working Group, create templates for operational requirement statements for individual applications of the shore-based e-NAV system, where needed[work programme item 23];
3. Review the existing IALA documentation and propose how this would fit into the shore part of the e-NAV framework [work programme item 23];
4. Identify development needs to existing IALA documents and align them with the e-NAV conceptual framework [work programme item 23];
5. Provide guidance for IALA Committees so that they may create the documentation needed to migrate towards a shore-based e-NAV system architecture [work programme item 23];
6. Co-ordinate with IMO, ISO and IEC on architecture issues [work programme item 24]