Electronic Charts for other vessels

Standard default settings, save/recall settings, S-mode and define resiliency for INS/BES

Develop Concepts for default settings / S-Mode

**ECDIS Implementation (to 10,000 Ton)**

e-Navigation INS/BES Availability

**Identification/development future applications and VHF Comms (VDE)**

Review of Competency and training

Review of Regulatory Process

Review of Legacy Systems (LRIT, Paper Charts, NAVTEX, etc..)

Develop e-Nav Implementation Strategy

**Migration “old”/”new” communications into 1 concept**

**Identification/development other communications methods/systems/applications e-navigation**

**AIS development / implementation**

2020

2018

2016

2014

2012

**AIS & VHF Comms (VDE) implementation**

Implement integrated PNT including WWRNS, resiliency and multi-system receiver

Develop integrated PNT including WWRNS, resiliency and multi-system receiver.

MSP Applications

Develop MSP

Development of IHO Registry Applications

Implementation of IHO Registry Applications

Single window implementation

Shore based Single window development

Develop Applications for standard reporting

Applications for standard reporting

**GMDSS Review**

**Migration GMDSS**