**Potential ENAV documentation for 2014-2018**

Data Modeling and message systems (WG1):

4 or more S-100 Product Specifications.

Need to dovetail with MSPs for design and content

Coordinates and assist VDES message structure with Comms WG (WG2)

Identify future Product Specs IAW IMO SIP

Integration of data services in S-100

Communications (WG2):

Liaison notes etc to WRC and ITU

GL/Rec on VDES

Continuing outputs wrt AIS and ASMs

Update MRCP (evolving maritime systems, equipment, standards, regulatory changes)

Liaison notes on GMDSS Modernization - inputs and replies to IMO/ITU

Study on Maritime VHF Band - study narrowbanding initiatives considering 12.5 kHz and 6.25 kHz channel arrangements for spectrum efficiency

Study on Maritime VHF Digital Voice - study long term feasibility of transitioning to digital voice

Shore Technical Infrastructure (WG3; formerly known as PNT):

GL on eLoran service provision

GL on eLoran data formats, ASF etc

GL on port and harbour high accuracy systems and services

S-100 for eLoran data, beacon corrections, data exchange of performance and outages, Radar positioning etc etc.

GL/Recommendation on resilient PNT algorithms and approaches, following on from the SIP

Understand the impact of, and opportunities from, e-Navigation SIP

Input to ITU regarding update of ITU-R M.823 (following RTCM finalisation of V2.x)

Liaison with IMO over the Multi-source receiver performance standard

GL/Rec on marine beacon DGPS, future developments (other value added services) and potential for R-mode etc.

GL/Rec on Radar and potential use of absolute radar positioning

Potential input with regards to an update of IMO 915.

GL/Rec on shore side data exchange - what is meant, how we can scope it and what's in our remit etc

Review existing documentation which now falls under ENAV WG3 remit (support P1)

Interaction with the different test-bed initiatives and WG4.

Testbeds (WG4):

Update GL on the reporting of results of e-navigation testbeds. Include lessons learned from reporting testbed results and elements of the HCD, SQA and U-TEA guidelines

Progress the established online Linked IN discussion forum (Under lead of Chair ENG)

Web Portal - Resources to manage and keep site up-to-date (Statistics of usage, data gathering and analysis)

Possible GL/Rec ENAV operational matters based on any further work at IMO

Maritime Service Portfolios (WG5):

GL/Rec/Plan (similar to MRCP or WWRNP) on MSP design, content, and implementation.

Lead workshop in Aug 2014 on CSSA

GL/Rec on CSSA