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| From: ENAV Committee | ARM10-3.1 |
| To: ARM and VTS Committee | 5 April 2019 |

LIAISON NOTE

Maritime Services in the Context of e-Navigation (MS)

# Introduction

The ENAV committee proposed introductory text and a template for the descriptions of Maritime Services in the Context of e-Navigation (MS) which were brought by several Member States to the IMO. The IMO developed the concept of Domain Coordinating Bodies to take care of the specification of the MS.

# Discussion

The ENAV Committee reviewed the actual draft Guideline “Maritime Service Portfolios: Digitising Maritime Services” as adopted by VTS46.

The ENAV Committee has the following remarks:

* The title of the Guideline and the general description shall use the adopted terminology of the IMO.
* 1.3.1 point “h”: An experimental phase is not enough for quality assurance. MS are a safety critical system. An implementor shall apply a sufficient system quality assessment with structured procedures for system verification and validation.
* 1.3.1. The second diagram needs an explanation as with the first diagram.
* 1.4 Because the description of MS is independent from the communication means the chapter needs an introductory text to explain as to why this is the case. The tables are incomplete. LRIT, Navtex, DSC etc. are also digital communication means. Web Services are defined by W3C (SOAP) and extended by REST and are not limited to the usage of XML. Perhaps please consider deletion of 1.4.
* 2.1 the definitions have to be changed the adopted terminology.
* The ENAV Committee recognizes the work of the VTS committee on the MS1-3. The scope and content is suitable for the description of the MS.
* 4.1.8. The ENAV Committee wants to point out the content of the Appendix 1 MS1-3 (excel file) is appropriate to describe the information needs for the MS. More context can be given by relating the identified information to the technical services after they are identified. Reference to data models to communicate the information is not required and will be done with the specification of the dedicated Technical Services.
* 4.1.9 The VTS Committee started to identify potential technical services. Because these services are not yet described, nor is the responsibility decided, ENAV propose to leave the columns ID and standardisation body empty in this phase. Reverences to S100 product specification shall be replaced by an initial description of the service as done for ENSI. MS description shall not address data models.

ENAV committee offers its expertise and support for the jointly development of the guideline. ENAV committee set up a working document ENAV23-12.1.4 ‘e-Nav-Description’ as working document the content of which may be used to explain the concepts.

# Action requested

The ARM and VTS Committees are requested to:

1. The ARM Committee is requested to consider the proposed comments for the Draft Guideline Maritime Service Portfolios: Digitising Maritime Services.
2. The ARM Committee is requested to liaise with ENAV for the development of an IALA Guideline on the usage of MRN and jointly coordinate this IMO, IHO and other interested parties.
3. The VTS Committee is requested to note the comments provided in this Liaison Note.
4. The ARM and VTS Committees are requested to note the ENAV working document (ENAV23-12.1.4 a lay-persons description of e-Navigation) and provide feedback, as appropriate.