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Input paper for the following Committee(s): check as appropriate Purpose of paper:

**X** ARM **□** ENG **□** PAP **□** Input

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Workplan Task Number2 5.1.1

Working Group WG2

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Introduction to Marine Resource Name (MRN) Concept

# Summary

This document contains an introduction of the Maritime Resource Names (MRN) initiative previously under development by IALA ENAV Committee. The work within ENAV includes a proposal for the MRN naming scheme which can be used for uniquely identifying any maritime resource or service. The MRN naming scheme is based on the concepts of Uniform Resource Identifiers (URI) which is a cornerstone of the Internet.

The ARM Committee has been tasked with the continuance of this work and is invited to coordinate development with the International Hydrographic Office (IHO) and their Working Groups.

## Purpose of the document

This paper is intended to orient the ARM committee to the progress of MRN development to date and to provide a listing of reference material for review.

## Related documents

IHO S-100 TSM6-4.2 MRN Guidance;

IHO S-100 TSM6-4.2 MRN Guidance (Presentation).

# Background

The MRN initiative which has been developed within the ENAV Committee throughout several sessions and their work has been widely agreed upon as the methodology to provide a machine to machine (M2M) data sharing capability.

# Discussion

The MRN initiative is in a mature state and nearly complete. Continuation of MRN development has been assigned to the ARM Committee with only a few details remaining that require work. The desired outcome of MRN is the ability to exchange data in a M2M environment within the S-100 Product Specification environment as well as the Maritime Cloud.

# References

1. Marine Resource Name (ENAV17-9.14)
2. Liaison Note to PAP - ENAV Proposal on Unique Identifiers for Maritime Resources (ENAV17-14.1.6)
3. Draft Guideline on Unique Identifier for Maritime Resources (ENAV17-14.1.5)
4. Proposal for MRN Management (ENAV21-9.5)
5. Management of MRN post plenary V1 (ENAV21-14.1.8)

# Action requested of the Committee

The Committee is requested to:

1. Consider this paper.
2. Assign continuation of MRN development to a Joint IALA-IHO Task Group.

1. Input document number, to be assigned by the Committee Secretary [↑](#footnote-ref-1)
2. Input papers should be assigned to a work task as listed in the Committee work plan which is available in input papers. Leave open if uncertain but consider how the paper is to be processed if not relevant to a work task [↑](#footnote-ref-2)