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Technical Domain / Task Number 2 Working Group 2 / Task 5.1.7

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MRN guideline for AtoN Domain

# Summary

## Purpose of the document

ARM9 updated the drafting guideline of unique identifiers for maritime resources to address the MRN in IALA domain. The guideline was approved by council meeting as G1143. The guideline describes how the URN methodology is applied to identifying maritime resources within a Maritime Resource Name (MRN).

This paper was prepared to propose a need of more detailed guideline to apply MRN in AtoN domain

## Related documents

* G1143 Unique Identifiers for Maritime Resources

# Background

The International Hydrographic Organization (IHO) has noted in the paper HSSC6-5.4B the problems HOs may be confronted with if the existing light numbering schema is subject to changes by either the producing HO (national light numbers) or the UKHO (international light number).

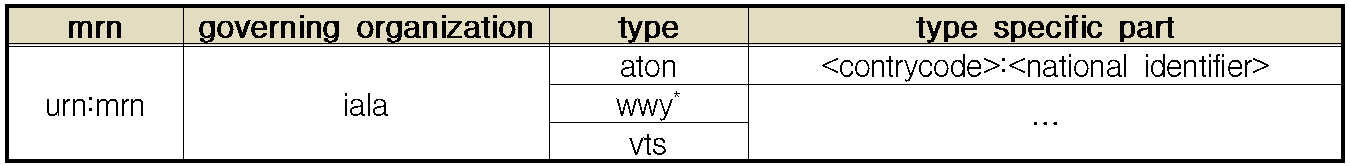
The paper discussed the advantages of a Persistent Unique Identifier1 for lights and possible consequences. The support of the IMO e-Navigation solution S3 was highlighted. In addition, the possible effects on the workload for HOs which are deriving their products from a single database were mentioned. It was considered that some technical questions remain open for the time being.

The paper proposed the establishment of a close IALA-IHO liaison on the light numbering development in particular and additionally, the harmonisation of the light numbering systems between the IHO and the IALA to the widest extent.

# Discussion

## Need of detailed MRN guideline for AtoN domain

MRN guideline described in the G1143 is like the following;



AtoN is one of type identified in the guideline and all MRN for AtoN has common id as urn:mrn:iala:aton. After common id, country code should be followed. Producer code can be considered to use for country code.

IHO agreed to use 4 digit for producer code and has been managing those in the producer code register of S-100 registry. It’s required to discuss for IALA to be involved with the S-100 Registry.

There are many resources for AtoN management and it’s possible to assign unique identifier like MRN to equipment and structure. It needs to develop detailed guidelines on categorization of Aton information and how to assign MRN.

## Proposal to create detailed guideline for AtoN domain

The benefit of MRN is to decentralize identifier system and reuse existing numbers. If IALA provides detailed guideline for consistent and harmonized implementation of MRN, it’s expected to be of great help to member states

ROK would emphasize that MRN guideline for Aton domain is necessary. If the need is endorsed by ARM committee, ROK will report the drafted document in next ARM meeting.

# Action requested of the Committee

The Committee is requested to:

1. Note the document
2. Discuss the need of MRN guideline for AtoN domain.

1. Input document number, to be assigned by the Committee Secretary [↑](#footnote-ref-1)
2. Leave open if uncertain [↑](#footnote-ref-2)