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

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Agenda item [[2]](#footnote-2) 7

Technical Domain / Task Number 2 …………………………………

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Proposal for NAVGUIDE review on Fixed Marine AtoN-Lighthouses and Beacons

# Summary

Many of coastal states are operating the AtoN, they develop the statistics and current status on AtoN. Therefore, AtoN competent authorities should make their own classification of AtoN types. But some of AtoN type could make confusion on classification such as lighthouse and beacon.

According to IALA NAVGUIDE 3.4.2.3, the “Fixed Marine Aids to Navigation-Lighthouse and Beacons” are definitions are existing but somewhat uncertain. So, we suggest reviewing on definition of fixed AtoN in NAVGUIDE in detailed.

## Purpose of the document

To review the IALA NAVGUIDE on the Fixed Marine Aids to Navigation-Lighthouses and Beacons more in detail.

## Related documents

This paper relates to “NAVGUIDE 2018 3.4.2.3 Fixed Marine Aids to Navigation – Lighthouses and Beacons” and IALA Dictionary on “Lighthouse” and”beacon”.

# Background

According to IALA NAVGUIDE 2018, the Lighthouse and Beacon definitions are somewhat uncertain. It is easily confused when classification of the Lighthouse and Beacon. For example, automated lighthouse & beacon and beacon & pile beacon.

# Discussion

There are many Fixed Marine Aids to Navigation such as lighthouse and beacons, in the ports of world-wide. Among them, Lighthouse and Beacons could be confused when classify their definition. Refer to NAVGUIDE 2018, a “Lighthouse is generally considered to be a large conspicuous structure on land”. “Beacon would generally be of a lower range than lighthouses”.

In case of Korea, we classify the lighthouses and beacons as follows (in terms of location);

* “Manned(staffed) lighthouse” means located on upper than highest high water with personnel
* “Un-manned(automated) lighthouse” means located on upper than highest high water without personnel
* “Beacon” means located on lower than highest high water and diameter of beacon is more than 30cm
* “Pile beacon” means located on lower than highest high water and diameter of beacon is less than 30cm with pile type structure

# suggestions

So, if Lighthouse and beacons definition will revise more detailed. We could expect the exact number of IALA questionnaire and international criteria of statistics and status overview.

# References

1. Regulations for Function and Specification of Aids to Navigation of Republic of Korea
2. NAVGUIDE 2018
3. IALA Dictionary

# Action requested of the Committee

The Committee is requested to:

1. Review on this input paper
2. Consider and discussion during the WG on NAVGUIDE task.

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