Input paper: [[1]](#footnote-1) ARM6-3.2.10

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

**x** ARM **□** ENG **□** PAP **x** Input

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

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

Author(s) / Submitter(s) NCA, Guttorm Tomren

Divergence in guidance to sector lights

# Summary

There is an inconsistent guidance on sector lights I IALA Guideline 1041 Ed.2 versus Ed.3. This matter should be discussed by the ARM Committee and the Guideline updated accordingly.

## Purpose of the document

To let the ARM Committee discuss issue at hand and align guideline according to decision made by the ARM Committee.

## Related documents

IALA Guideline 1041 Ed.3 Sector Lights

# Background

After reading the Guideline 1041 Ed.2 and Guideline 1041 Ed.3, following conflicting issues have been discovered and needs to be resolved.

Quote:

Recent guiding on method for determine sector limit, 1041 Ed.2 para 5.4.4;



New guideline 1041 Ed.3 12.7 and 14.5;





Unquote:

# Discussion

There is a shift in principles for determining sector boundary bearing (sector limit) from Ed.2 to Ed.3, is this intentional? Para 5.4.4 in Ed.2 is considered to give a safe and proper definition/verification of the sector limit(s). Sector limit red/green are defined at 50/50 mix of red and green.

Between white and colored light the sector limit is defined at full intensity of colored light (clear colored red or green). For white sectors this is in line with Ed.3 para 12.7, which have the full angle of uncertainty (mixed colors) within the safe sector (white).

In Ed. 3 para 14.5 (last section) this definition is not used, here the definition is defined as 50/50 mix of white and red/green.

Guideline 1041 Ed.3 should be updated and the principles harmonized.

NCA propose the ARM Committee to consider having principles from Ed.2 para 5.4.4 and Ed.3 para 12.7 also to be reflected in Ed.3 para 14.5.

# Action requested of the Committee

The ARM Committee to discuss and decide accordingly.

If the proposed change is accepted, issue a liason note asking the IALA ENG Committee to update the IALA Guideline 1041 on sector lights.

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