**Input paper: [[1]](#footnote-1)** XXXX-n.n.n

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

(Select as appropriate)

ARM  ENG  PAP  Input

ENAV VTS  Information

**Agenda item** [[2]](#footnote-2) Develop E200-3 on light measurement into a Guideline

**Technical domain/ Task number** 2 WG1, Task 2.2.1

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Goniophotometry of Marine Signal Lights

# Summary

The special requirements of marine signal lights concerning the luminous intensity distribution, especially very small sector angles, make it necessary to have a separate measurement standard. This was done by IALA since 1977 and the current document is R0203 Marine Signal Lights - Part 3 - Measurement. The current IALA plan is to review the content and convert it into a guideline.

The input paper describes the German practice for the measurement of marine signal lights, which can be used for the future IALA guideline. The focus is set on goniophotometry. Some further information on calculating the photometry uncertainty budget could not be included but are mentioned in the paper.

# Related Documents

* IALA Recommendation R0203 Marine Signal Lights - Part 3 - Measurement
* China MSA Measurement and Calculation of Luminous Intensity of Aids to Navigation Light (Input paper ENG15-3.1.1.1.2)

# Action requested of the Committee

The Committee is requested to:

1. keep the task on a guideline on measurement of marine signal lights in the task register for next committee working period,
2. ask other IALA members on their practice on measurement,
3. forward the Chinese paper on 'Measurement and Calculation' and the German paper on 'Goniophotometry' to the next committee period as input papers for a future guideline.

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