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**Agenda item** [[2]](#footnote-2) n.n

**Technical domain/ Task number** 2 WG1

**Author(s)/Submitter(s)** Alwyn Williams

Correction to IALA Guideline G1135

# Summary

During a recent review of IALA Guideline G1135, it was found that a small section of the effective intensity peak-to-effective intensity factor tables was incorrect. The issue lies with the Gaussian shape, which is incorrect due to an error in the calculation. All other peak-to-effective intensity factors are correct.

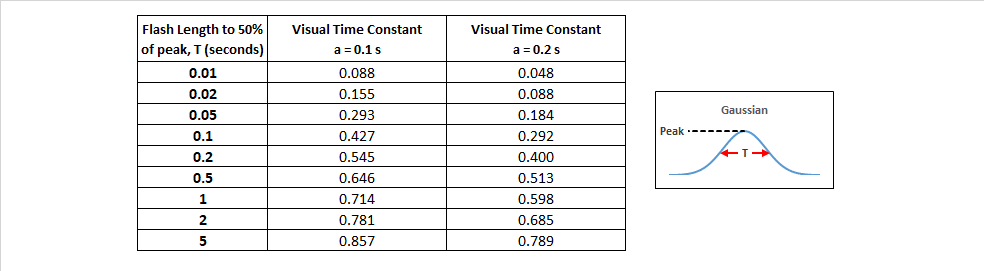
## Related documents

IALA Guideline G1136, Ed. 2, December 2020

# Discussion

The Gaussian flash peak-to-effective intensity factors published in Annex B of the current edition of Guideline G1135 have the values shown in Table 1.

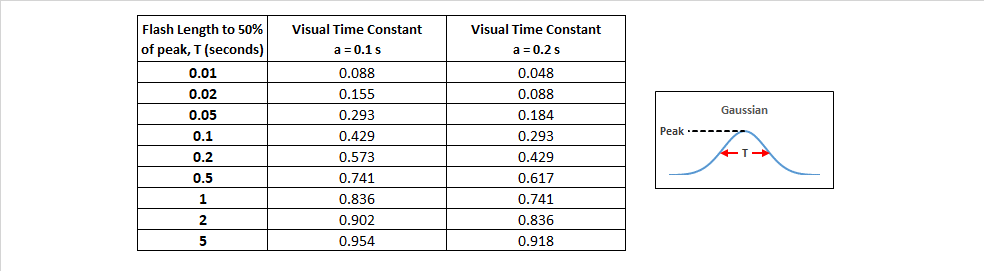
Table 1 - Existing peak-to-effective factors for Gaussian flash shape in Guideline G1135



Following a review of the data that was used to calculate the factors, it was found that the dataset for the Gaussian flash shape was not sufficiently large enough to capture the peak value. As such, the reported factor was under estimated for flash length greater than 0.1 s. The other flash shapes were not affected by this issue.

The factors have been recalculated and they are shown in Table 2.

Table 2 – Corrected peak-to-effective intensity factors for Gaussian flash shape



For convenience, the updated tables for inclusion into Guideline G1135 are given in Annex A of this paper.

# Action requested of the Committee

The Committee is requested to update Annex B in Guideline G1135 with the corrected effective intensity factors for the Gaussian flash shape.

1. Updated tables

Table 3 - Updated table for Section B.1 in IALA Guideline G1135

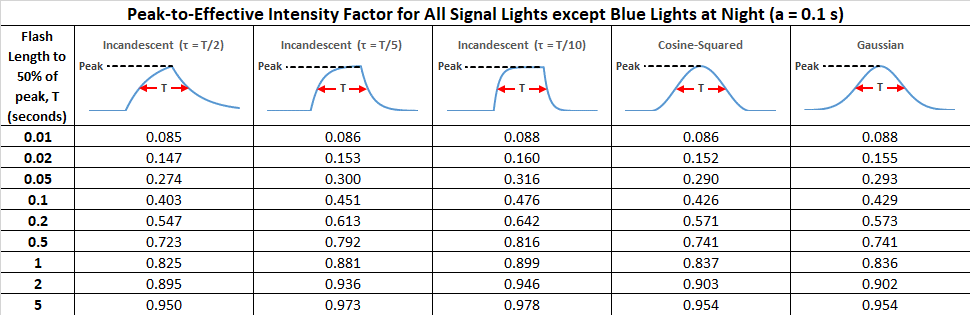
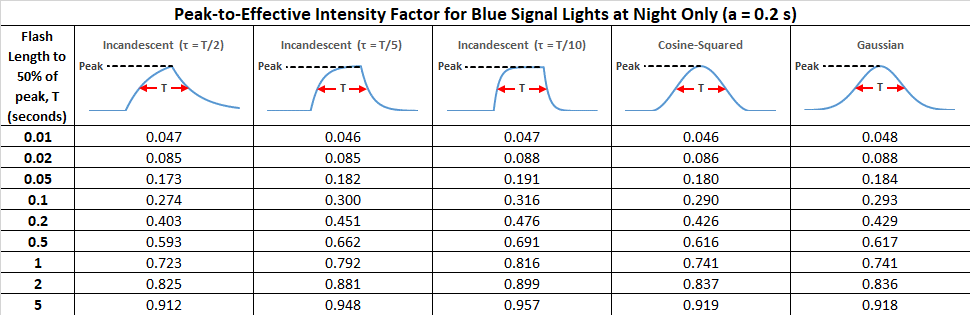


Table 4 - Updated table for Section B.2 in IALA Guideline G1135



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