Input paper: [[1]](#footnote-1) ENG8-9.4

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

**□** ARM **X** ENG **□** PAP **X** Input

**□** ENAV **□** VTS **□** Information

Agenda item [[2]](#footnote-2) (from agenda) 9

Working Group WG1

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Definitions in IALA Dictionary – Visual Aids

# Summary

Under ENG7 action 22 the IALA Secretariat was requested to upload definitions from Guidelines to the IALA Dictionary.

## Related documents

Guideline G1065 Ed3, Dec 2017.

Guideline 1072, Dec 2017.

Guideline 1134, Dec 2017.

## Definitions of Detection, Identification and Confirmation

Definitions of Detection, Identification and Confirmation provided in Guideline G1065 are different from, and not as comprehensive as, definitions of these terms in Guideline G1073. Definitions from G1073 have been uploaded to the Dictionary.

**Guideline 1065:**

1. **Detection**: the mariner observes the signal.
2. **Identification**: the mariner identifies the character of the signal.
3. **Confirmation**: the mariner identifies the character of the signal once again, to verify.

**Guideline 1073**

1. **Detection** of an AtoN light: The observer is aware of a light.
2. **Recognition** of an AtoN light: The observer is aware that the light is an AtoN light.
3. **Identification** of an AtoN light: The observer is aware of the exact AtoN to which the light belongs.
4. **Confirmation** of an AtoN light: The observer identifies the flash character of the signal once again, to verify.

# Definition of fluorescence

The definition of fluorescence in G1134 and in the Dictionary referenced to CIE are different.

**Guideline G1134**

1. The definition of fluorescence in the Dictionary is: Photoluminescence which persists for an extremely short time after excitation. Note: This time is generally less than about 10-8 second. Reference: C.I.E. (extract).
2. The definition of fluorescence in G1134 is: Fluorescence is the process by which electromagnetic radiation of one wavelength is absorbed and re-radiated at another wavelength. Sometimes a fluorescent material will absorb non-visible light and emit it as visible light. Fluorescence and ordinary reflectance of radiation take place simultaneously and at the same wavelengths.

# Action requested of the Committee

The Committee is requested to:

1. Consider if G1073 definitions need to be made consistent with the definitions in G1065.
2. Advise if any further work is required in relation to the definitions of the terms from G1065 or G1073 in the Dictionary
3. Advise if the definition of fluorescence in the Dictionary should be replaced by the definition in G1134 (2017).

1. Input document number, to be assigned by the Committee Secretary [↑](#footnote-ref-1)
2. Input papers should be assigned to a work task as listed in the Committee work plan which is available in input papers. Leave open if uncertain but consider how the paper is to be processed if not relevant to a work task [↑](#footnote-ref-2)