Input paper: [[1]](#footnote-1) ENG5-9.16

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) 9 and 10

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

Author(s) / Submitter(s) IALA Secretariat

Query re definition of Dictionary terms

# Summary

The IALA Secretariat is reformatting existing IALA Recommendations and Guidelines to comply with the new IALA corporate image. Queries have arisen regarding definitions found in some of the Guidelines.

The definitions are relevant to the work of WG1 and WG2 and this query is therefore addressed in the first instance to both WGs. The ENG Committee should approve any amendments to definitions.

## Purpose of the document

The purpose of this paper is to rectify conflicts between Guidelines and the Dictionary.

## Related documents

IALA Guideline 1037

IALA Guideline 1048

# Background

The IALA Secretariat is reformatting existing IALA Recommendations and Guidelines to comply with the new IALA corporate image. Queries have arisen regarding definitions found in some of the Guidelines.

# Discussion

Definitions found in IALA Guidelines 1037 and 1048 have been removed from the Guidelines and replaced in the Guidelines with a reference to the IALA Dictionary.

The table in Annex A shows the definitions removed from the Guidelines and the existing definitions in the Dictionary where they exist. The definitions shown in the “proposed definition” column are taken from the Guidelines and should not be considered as definitions proposed by the Secretariat. The Committee may wish to retain the existing definitions.

There is conflict between the definitions removed from the Guidelines and those in the Dictionary. It is therefore necessary to agree a correct definition for each term.

Proposed revisions from ENG5 will be submitted to the DWG for approval and input to the Dictionary.

# Action requested of the Committee

The Committee is requested to provide a correct definition for each of the terms in Annex A.

1. Dictionary amendment proposal

| **Term** | **Dictionary Number** | **Source**  **(meeting/**  **document/**  **person)** | **Old definition** | **Definition from Guideline /**  **Proposed definition** | **Reason for change** | **Propose**  **Date** |
| --- | --- | --- | --- | --- | --- | --- |
| Failure | 5-1-000 | IALA Sec | The termination of the ability of an item to perform its required function. | Proposed definition English:  A failure is defined as the unintentional termination of the ability of a system or part of a system to perform its required function. This means failure to display its correct characteristics or to be on its assigned position for proper use by mariners.  Définition propose French:  Definición propuesta Spanish: | Guideline 1037 | WG2 |
| Fault | 5-1-015 | IALA Sec | That condition of an element of a system which may result in a failure of either the system or part of it. | Proposed definition English: A fault is the failure of part of a system that does not affect the ability of the AtoN to perform its required function.  Définition propose French:  Definición propuesta Spanish: | Guideline 1037 | WG2 |
| Correlated colour temperature: | 2-1-505 | IALA Sec | The colour temperature corresponding to that point on the line representing full radiators of different colour temperature which is nearest to the point representing the chromaticity of the illuminant, considered on an agreed uniform-chromaticity-scale diagram.  Unit: kelvin (K)  Reference: C.I.E. (modified)  Note: For further information on the agreed uniform-chromaticity-scale diagram, see Reference: C.I.E. | Proposed definition English: Used to describe the temperature at which a Plankian Blackbody Radiator and an illumination source appear to match, usually specified in Kelvin (K).  Définition propose French:  Definición propuesta Spanish: | Guideline 1048 | WG1 |
| Organo-metallic vapour phase epitaxy |  |  | None | Proposed definition English: Organo-metallic vapour phase epitaxy – a crystal growth technique allowing the growing of a crystal layer on top of another crystal substrate.  Définition propose French:  Definición propuesta Spanish: | Guideline 1048 | WG1 |
| Colour Temperature | 2-1-500 | IALA Sec | The temperature of the full radiator which emits radiation of the same chromaticity as the radiation considered.  Unit: kelvin (K)  Note: The corresponding relative spectral distribution curves need not be similar provided that the radiations give rise to identical colour sensations.  Reference: C.I.E. (modified) | Proposed definition English: Colour temperature of a light source is the absolute temperature of a blackbody radiator having a chromaticity equal to that of the light source.  Définition propose French:  Definición propuesta Spanish: | Guideline 1048 | WG1 |
| Colour Purity |  |  | None  See chromaticity | Proposed definition English: Colour purity of a light is the ratio L1 / L2 where L1 is the luminance of the single frequency component that must be mixed with a reference standard to match the colour of the light and L2 is the luminance of the light.  Définition propose French:  Definición propuesta Spanish: | Guideline 1048 | WG1 |
| Colour rendition |  |  | None | Proposed definition English: General expression for the effect of a light source on the colour appearance of objects in comparison with their colour appearance under a reference light source. (IES Handbook)  Définition propose French:  Definición propuesta Spanish: | Guideline 1048 | WG1 |
| Die Chip |  |  | None | Proposed definition English: Die Chip, heart of the LED  Définition propose French:  Definición propuesta Spanish: | Guideline 1048 | WG1 |

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