Input paper: [[1]](#footnote-1) ENG8-10.6

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

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

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

Agenda item [[2]](#footnote-2) (from agenda) 10

Working Group WG2

Author(s) / Submitter(s) Seamus Doyle

Definitions in IALA Dictionary – Power Supplies

# Summary

Under ENG7 action 22 the IALA Secretariat was requested to upload definitions from Guideline G1067 to the IALA Dictionary.

## Related documents

Guideline G1067-3, Dec 2017.

# Definition of Cycle Life

The definition of cycle life in G1067-3 varies from that already in the Dictionary.

1. The definition of cycle life in the Dictionary is: The number of cycles obtainable from a cell or battery under specified conditions.
2. The definition of cycle life in G1067-03 is: The cycle life (endurance) is the ability of the battery to withstand repeated charging and discharging.

The cycle life is normally given for cycles with a fixed depth of discharge (DOD) and with the battery fully charged in each cycle. Batteries are normally characterised by the number of cycles that can be achieved before the capacity has declined to the value specified in the relevant standards (e.g. 80 % of the rated capacity).

# Action requested of the Committee

The Committee is requested to:

1. Advise if the definition of cycle life in the Dictionary should be replaced by the definition in G1067-3 (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)