Input paper: PAP39-5.1.3

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

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

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

Agenda item 5.1.3

Technical Domain / Task Number Committees

Author(s) / Submitter(s) Simon Millyard

ENG update

Following the PAP 38 action item that the Committee Chairs to produce an input paper to the other committees that summarise the activity of their own in order to inform participants of each committees role. The chair of ENG prepared the paper.

# ENG update

AtoN Engineering and sustainability committee - ENG.

Information summary of the work of ENG for other committees.

General;

ENG has typically 80 attendees and due to its terms of reference is a very diverse committee ranging from established AtoN and their support systems, radionavigation developments and heritage. This in turn forms an eclectic and good humoured mix of world experts that make up ENG.

The AtoN Engineering & Sustainability committee is divided into 4 working groups:

WG1 – Light & Vision Physics: this remit covers what the eye sees for the Navigator and includes all aspects of light range, light measurement, day marks and colour.

WG2 – Technical Knowledge and Sustainability: this is a wide remit encompassing practical AtoN delivery and overarching sustainability topics. These are principally: sustainability guidance and good practice, health & safety, power generation & storage, building maintenance, floating AtoN, remote monitoring & control, cyber security and quality management. This working group also oversees the updating of any WWA lesson plans for ENG

WG3 – Radionavigation Services: Formerly within the ENAV committee, WG3 covers existing established radionavigation systems and their development into the ENG committee, the topics covered are: GNSS augmentation, resilient PNT, Radar positioning and Radar developments, Terrestrial positioning systems - GNSS independent PNT developments,

WG4 – Heritage Forum: The Heritage forum supports the Incheon Declaration which was signed at the 2018 General Assemble in Korea and works to give advice and promote interest in preserving the structural and social AtoN heritage for future generations to enjoy as well as supporting alternative uses for former AtoN infrastructure to support their commercial viability.

Cross working group work: All committees are engaged in organising and delivering workshops, supporting the WWA in the development of training courses and in the maintenance of The Navguide and other IALA documents.

Key outputs for the 2018-2022 work plan are:

Workshops on: Cyber Security (cross committee), R-Mode development, AtoN Engineering for sustainability (Lite/Batt), DGNSS & Heritage.

New/revised recommendations on: Sustainability, Quality, Port Traffic Signals, Leading Lights, Marine Signal Lights (overview, terms of measurement & performance) resilient PNT, terrestrial radionavigation, SBAS performance, DGNSS service provision

New/revised guidelines on a selection of the above areas, all detailed on the joint committee work programme.

# Action requested of the Panel

PAP is requested to note the information.