

WORKSHOP PROPOSAL

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| VISION | Sustainability in AtoN provision – Guiding the way & Powering the future. (IALALITE / IALABATT) |
| PROPOSAL | Workshop on technical developments in AtoN with a focus on the integration of emerging GNSS independent PNT solutions and, where appropriate, linking to the UN Sustainable Development Goals (UNSDG). |
| PURPOSE | <ul style="list-style-type: none"> • Solutions for economic environmentally friendly AtoN systems; • Knowledge sharing in sustainable development; • Update IALA guidance on modern lights and power systems; • Promote the use of sustainable power systems; • Implementation of GNSS backup solutions on existing infrastructure • Provide an opportunity to increase technical awareness among members. |
| POSSIBLE TOPICS | <ul style="list-style-type: none"> • UNSDG and their relevance to IALA • The impact of AtoN provision on the environment • LED & LASER light sources & applications • R-Mode, Radar absolute positioning, etc. • Battery technology • Solar panel technology • Emerging power supplies • Through-life environmental impact of AtoN components |
| OUTCOMES | <ul style="list-style-type: none"> • Paper on how to support the UNSDGs whilst delivering an effective AtoN service. • Review and update of Guidelines G1067 (1-3) • Review Solar Power Calculator Guideline G1039 • Guidance on the implementation of GNSS backup solution • Complete Guideline on Marine Solar panels • Update of Guideline G1036 – Environmental Management |
| GOALS | <ul style="list-style-type: none"> • Understand present and emerging technologies in energy supply and storage in AtoN provision with a focus on environmental responsibility • Understand present and emerging technologies on light sources and their application in AtoN • Understanding of the application of emerging PNT backup systems on existing AtoN • Promote the use of renewable energy in AtoN provision • Sharing operational experiences |
| WHO | <p>The workshop will provide a forum for discussion between stakeholder groups. It is envisaged that invitations will be sent to:</p> <ul style="list-style-type: none"> • IALA National members • IALA Industrial members • Other stakeholders as identified by the steering group |
| SIZE OF GROUP | It is expected that the workshop will attract a group of up to 100 persons |
| WHERE | Proposed location: Host country to be identified; Australia has been approached and is considering the proposal. Potential webinar attendance. |
| DURATION | 4 days, to be reviewed following development of the technical programme |
| WHEN | March 2021 |
| COST TO PARTICIPANTS | TBD |

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| PROCESS | <p>Four Day Workshop</p> <p>Day 1 – Introduction, Keynote speech, Presentations (half day)</p> <p>Day 2 – Presentations</p> <p>Day 3 – Working groups</p> <p>Day 4 – Working groups</p> <p>Day 5 – Finalize Working Groups and Conclusion (half day)</p> |
| STEERING COMMITTEE | <p>Proposed Steering Committee for the Workshop:</p> <ul style="list-style-type: none"> Chairman: IALA ENG Committee Chair IALA Deputy Secretary General IALA Technical Operations Manager Vice-Chair of ENG Committee ENG Working Group 1,2 &3 Chairs Host nation Committee participant Committee Secretary |