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| From: ENG7 | ENG7-11.1.23 |
| To: Secretariat | 11 October 2017 |

LIAISON NOTE

Request for Secretariat to include content for accessing the IALA Solar Tool

# Introduction

The IALA Solar Tool has been reviewed and updated during the ENG Committee Work Plan. The IALA Solar Tool will now be available on the IALA website along with a manual on accessing additional information for input into the Tool.

The following content is suggested for the IALA Solar Tool download link.

# Suggested Content

**IALA SOLAR SIZING TOOL**

IALA offers a solar sizing tool (Hyperlink to download), that is associated with Guideline 1039 Design Solar Power Systems for Aids to Navigation (Hyperlink to download). This tool enables the user to design a solar power supply for use with AtoN.

Some input data relating to location is necessary for utilizing the solar sizing tool. There are a number of means of accessing and examples are provided below.

The NASA website provides public access to meteorology and solar energy data for particular locations. It can be accessed via the following link.

<http://eosweb.larc.nasa.gov/sse/>

Another source of PV potential data for Europe and Asia-Africa can be accessed via the following link.

<http://re.jrc.ec.europa.eu/pvgis/apps4/pvest.php>.

Geographical data is required for the calculation of solar insolation and night / day hours. Precise information on locations can be easily derived via the following link.

<http://www.latlong.net/>

Guideline 1039 provides detailed guidance on how to use the excel solar sizing tool and provides some general information on solar power and batteries. It is recommended that the solar sizing tool be used in conjunction with the guideline, to allow the user to get best benefit from the tool.

To access the solar sizing tool, please click here.

To access Guideline 1039, please click here

# [Action requested

The Secretariat is requested to:

1. Create the download page for the IALA Solar Tool
2. Use the above suggested content to provide download instructions
3. Create link to download the manual (ENG7-11.1.27)