**Working Paper - WG2 Task Group on Power Systems**

Anticipated action on documents to update:

* **Merge** 1011 Ed1.1 - A standard Method for Defining & Calculating the Load Profile of AtoN\_Dec2005 and

1067-1 Ed1 - Total Electrical Loads of Aids to Navigation\_May2009

* **Merge** 1044 Ed1 - Secondary Batteries for Aids to Navigation\_Jun2005 and

1067-3 Ed1 - Electrical Energy Storage for Aids to Navigation\_May2009

* **Update** 1067-0 Ed1.1 - Selection of Power Systems for AtoN and Associated Equipment\_Jun2011 to create this as an overview document to power system design and review and remove the annex
* **Update** 1067-2 Ed1 Power Sources\_May2009 and review the current document and add information about designing other types of power generation system.
* **Update** 1039 Ed1 Designing Solar Power Systems for Aids to Navigation\_Dec2004 – The instruction on use of the solar size program will need to be update to reflect changes in the tool (see below).
* **Update** 1008 Ed2 Remote Control and Monitoring\_Jun2009 – as this will need to be review and updated to reflect current approaches.

Anticipated actions on Tools (Calculators):

* 1039 Solar size program-2004 – Review and update the program to reflect other power sources.
* Consider the creation of other support and design tools, such as wind generator, battery sizing and generator set use.
* Add all tools to the IALA Wiki

Cross reference

* 1036 Ed1 Environmental Considerations in Aids to Navigation Engineering\_Dec2004 - Just needs checking for on-going relevance.
* 1077 Ed1 Maintenance of Aids to Navigation\_Dec2009 – **If** this is to be discontinued then a new maintenance document needs to be created reflecting the maintenance required on power systems.

