

## **Report to Bureau March 2018**

### **Electronic Devices in Competitions (EDIC) Working Group**

The Working Group has been operating since January 2014.

Following on from the November 2017 report, there has been minimal demand for ongoing activities.

Currently we continue to provide support in four areas, altimeters devices for F5J competitions, altimeters for Space Modelling, technical equipment associated with F5B, F5D and F5F Classes, and an investigation into automatic timekeeping for soaring classes.

In addition, F1 Classes have a requirement for a flight duration logging system.

#### **F5J AMRT Devices**

One new device was been submitted and approved during 2017. It is anticipated that there will be another new device from an existing manufacturer submitted in the near future.

The Approval List on the FAI Website has been updated reflecting manufacturers' changes to firmware and products. The format of the Approval List has been revised to better show the currently active approvals.

#### **Space Modelling Altimeters**

During 2016 and the early part of 2017, an evaluation facility was established in the USA.

There is currently only one device available from a Polish manufacturer and this was evaluated in time for the 2017 European SM Championships. Some issues were resolved but the device is not fully in accordance with the requirements of the the EDIC technical specification. The manufacturer concerned is reluctant to make any changes to ensure full compliance.

The commercial market for SM altimeters for FAI contests is very small and not attractive to manufacturers. At present, other than the one Polish manufacturer, there is still no other manufacturer who might be expected to seek device approval.

CIAM must be aware of the potential difficulties that might arise when a competition Class is reliant upon a product for which there is only one commercial supplier. There have been suggestions that SM S/C should be looking towards amending Class rules to be more in line with the type of Space Modelling contests that attract larger numbers of competitors. Such action is outside the terms of reference of the EDIC WG other than to advise on technical aspects and possible commercial interest from potential device manufacturers.

#### **F5B, F5D and F5F**

Power Limiter Devices and Telemetry equipment was added to the Sporting Code in time for the 2016 World Championships and devices from a USA manufacturer have been approved.

A longer term project is the consideration of automatic Base B detection. An additional F5 member with specialist technical knowledge has been appointed to the EDIC Working Group to contribute on this subject.

### **Automatic Timekeeping for Soaring Classes**

Initial work has been in progress over the last two years.

This subject is technically complex. As there is no commercial incentive to encourage development, we are reliant on manufacturers to undertake experimental work at their own expense.

At present there are no existing Class Rules that encourage the use of such equipment.

### **F1 Flight Duration Logging**

As a result of an amendment to Class Rules introduced at 2017 Plenary there is a requirement for flight duration logging in F1 Classes. A meeting has been held between Chairman F1 S/C and Chairman EDIC Working Group to identify the work to be undertaken. Currently the appointment of F1 personnel to the EDIC Working Group by the F1 S/C is pending.

### **General Comment**

It has become evident that not all CIAM Sub Committees are aware of the support that EDIC WG can give to their respective activities. We can offer technical guidance and also raise awareness of possible commonality across the various CIAM disciplines.

It is believed that there are no Class Rule amendments submitted for 2018 Plenary that might require input from EDIC WG.

Eur Ing Paul Newell  
Chairman FAI-CIAM EDIC Working Group

20 March 2018