GAC PLENARY MEETING
Larnaca Cyprus 2012

Flight Recorder report

Flight Recorder approvals:

I recommend approving the DG100 logger which is the same type as the Icaro Systems Flight Recorder.

I tried to contact the manufacture Icaro Systems without success. There is no contact page on the website and also I got no answer on my mails to info@icarosystems.com.

Even I was able to download all drivers, the software as well as the user manual from the webpage www.icarosystems.com.

All requirements according FAI Sporting Code Section 2 Annex 4 are complied:
- 3. Requirements
    - 3.1. All 4 components are jointed together to one unit.
    - 3.2. The technical requirements are overachieved.
    - 3.3. Still not set.
    - 3.4. The dimensions of the recorded data are all correct.
    - 3.5. 3 LED's showing the status of the logger. No navigation information shown.
    - 3.6. The downloaded file fulfils the specification of the current GAC file.
    - 3.7. The flight logs are transferred via a state of the art USB connection to every Windows PC.
    - 3.8. After the download the software allows to convert the file to the GAC format and easily use it for scoring or presenting.

I performed all test with a DG100 Logger bought over the Internet. The unit is powered from 2 AA NI-MH rechargeable batteries and can be charged via the USB port on every PC or charger. The operating time with fully charged batteries are at minimum 10 hours.
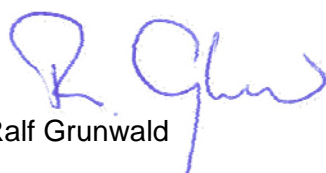
- 4.2 Test requirements
    - 4.2.1. The FR meets all requirements set up under 3.2 and 3.4 to 3.8.
    - 4.2.2. Reliability test performed for 5 hours on a fixed well known position with deviations not more than 1%.
    - 4.2.3. The timing test was performed by passing a gate with a car and 3 different FR's. All passing times are identical.
    - 4.2.4. Deleted 2004

The DG100 Logger was already used during a lot of national and international competitions. I only know about 1 multiple failure during the 20. WPFC 2011. This event seems to be unusual. Even with all other FR it makes sense to carry more then one FR during a competition.

FAI website:
Section Approved technical equipment:

I suggest removing the current chart and linking to the Annex 4. This document is approved and valid. I can't find any document regarding the approved landing systems and scoring systems. If this is not available we should it implement as soon as possible.

Ralf Grunwald