ICTC Committee Report

Table of Contents

1. Information and Communication Technology Committee

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2. Official judging video

Quality varied across competitions, with Chief Judge reports providing details. In summary

- WAC; the planned videographer team was inexperienced and produced inadequate material, after which an experienced volunteer without tripod recorded subsequent flights, improving quality (6.5 WAC Chief Judge's Report).
- EAAC/EIAC; video recording quality was of a good standard for video review (6.7 EAAC/EIAC Jury President's Report).
- At the time of publication of this document, the Chief Judge report of W(A)GAC has not yet been published.

The quality of the judging video remains an issue of concern. There is a president's proposal to address this by supplying video equipment and operator through CIVA (8.3 Safety, Expedited and Presidents Proposals v4 Proposal #2). Additionally, President's proposal #1 suggests centralizing video recordings and possible earlier release for publicity.

3. HMD

The Glider HMD system unfortunately could not be used at the W(A)GAC, as described in 6.3 WGAC/WAGAC Contest Director's Report. The Glider Aerobatics Committee is working on a solution. See 7.3 CIVA Glider Aerobatics Committee.

4. Aircraft tracking systems

The two different aircraft tracking systems that were presented at last year's plenary (ACROWRX and AeroCoach) have made significant improvement. Importantly, they both work with the Bolder high quality data recorder that sells for US$ 500, significantly lowering upfront cost. Other low-cost flight recorders are being tested by the team behind AeroCoach. ACROWRX also offers its own flight recorder with improved specifications, but at a higher cost.

The developer of ACROWRX will give a presentation through Zoom on November 16th at 16:00 UTC. The link and additional information have been circulated to the delegates through email (October 5th).

Manuals and descriptions of the systems can be found at:
https://docs.acrowrx.com/
https://aerocoach.net/

5. CIVA championship scoring software

The ACRO system is stable and generally functions well (7.8. Contest Scoring Programme Report).

6. OpenAero sequence design software

The software is stable, with regular improvements.

The code is regularly reviewed for clarity and updated to take advantage of modern browser features. Functionality will be included to allow faster rule updates, without full app update. This will all be included in the next release, expected to be completed in December. This release will also include rules and sequences as decided upon at the Plenary.

Development of an online interface for submitting aerobatic sequences for Category 1 events, as indicated in the 2022 report, is still considered. Such a system could provide ease of submission and additional checks for pilots, and improved administration for competition officials. Additionally, it could provide a means to build up a comprehensive database of (anonymized) sequences for pilot training and historic reference. However, there are several potential security issues with such a system which must be resolved before it can be implemented.

OpenAero is seeing increased use in scale aerobatics. To facilitate this (and use for freestyle sequences), a system for designing any conceivable base figure is being developed. See https://github.com/OpenAero/main/issues/283 .

There are pending requests for other feature additions. Any help in coding these is appreciated. OpenAero is open source and code can be contributed through GitHub.