IGC 2018 Plenary Meeting

Agenda Item 6.2.4

Air Traffic, Navigation, Display Systems (ANDS) Committee Report

Mr Rick Sheppe, ANDS Committee Chairman

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Air Traffic, Navigation, Display Systems (ANDS) Committee Report

Dear Delegates,

HAFR

Congratulations to the Perlan team for achieving a new World Absolute Altitude record, and congratulations to GFAC for having the procedures for processing the claim ready in time.

ADS-B

The January 1, 2020 deadline for implementation approaches. Still no news from FAA about whether the mandate will apply to aircraft without engine-driven electrical systems. ADS-B In has become quite inexpensive. General Aviation end users are still divided on which complete system (1090-ES or UAT or both) should be implemented.

FLARM and OGN

In last year's report, we stated our belief that the writing of enforceable competition rules intended to mandate, prohibit, or restrict strategic glider tracking is not technically feasible. We find that we must modify this position, after reading the Local Procedures for the upcoming WGC in Czech Republic. Apparently, it is possible to mandate participation in a distributed tracking system that may be used for strategic purposes!

STANDARDS

We are making progress on the specification of standard for a machine-readable Task format. Thanks to Alexander Georgas and Lars Rune Bjornevik for their work on this.

FUTURE

We will continue to work with the Delegates and the Annex A Committee to develop enforceable rules regarding tracking and the presentation of tactical information (including weather) to the pilots. While it is not this Committee's place to comment on the philosophy of glider racing, we will continue to advise IGC on the enforceability of technology based rules.

Also, it is time to begin thinking about the next generation of flight recorders and the data they generate. GFAC have done an outstanding job of keeping pace with the need to record information never anticipated by the original developers of FRs, and with the evolution of flight recording from standalone boxes to embedded systems, also not anticipated. Despite this, there is a limit to how far we can stretch the IGC format and to how sensible it is to treat a FR embedded inside a sophisticated glide computer as a separate device. Improvements in declarations, task handling, fuel/power management, and real-time scoring await.

Respectfully submitted

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