



## **IGC 2019 Plenary Meeting**

### **Agenda Item 6.2.4**



## **Airspace, Navigation, and Display Systems Committee**

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## **Report to the IGC Plenary 2019**

January 2019

# ANDS Committee Report to the IGC Plenary 2019

Dear Delegates,

In 2018 our Committee engaged in these two areas of activity:

- Occasional support of GFAC in rulewriting and the monitoring of the Perlan Project's use of their High Altitude Flight Recorders; and
- Occasional support of SSWG in the development of future tracking technology in collaboration with the Online Glider Network.

You will hear, in greater detail, about developments in both of these areas from the chairmen of GFAC and SSWG, both of whom are members of the ANDS Committee.

Now that we have significant experience with using GPS to validate international altitude records, we are able to revisit our decision, in 2011, to allow GPS altimetry to coexist with traditional pressure measurement. It is clear that we have succeeded in preserving the integrity of our altitude records during this period of transition, and thanks to the Perlan experience, we know a lot more about the accuracy and reliability of flight recorders as they are used in the real world. At the 2019 Plenary, we will present a brief report about the lessons we have learned, with possible recommendations for relaxing the certification/calibration requirements for High Altitude Flight Recorders.

On the subject of glider tracking, we believe that it is possible to prevent the use of real time tracking for tactical advantage while preserving the ability for spectators to follow a race online. However, this can be done only with effective encryption in the data communications protocol, something that has not yet been demonstrated! Despite this, the "IGC Tracker" proposed by SSWG/OGN is promising, and we support this effort.

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