

PROPOSAL TO IGC PLENARY 2016
Year 1

Proposed by the Scoring Software Working Group

It is proposed:

- To always use the WGS84 ellipsoid as the earth model for calculating distance of world records, badges, diamonds and diplomas,.
- To use the WGS84 ellipsoid as the earth model for calculating distances of competition tasks, even when the differences will be minimal for coherence.
- To always use the definition of the OpenAir format for detecting whether or not the glider is inside an area (ex. AA sector),
- The problem with the AA sectors could be solved by requiring (in Annex A) that these areas must be defined in the same way as airspace, using the OpenAir format. Then the presence within any assigned area could be detected in the same way as the detection of air space infringement

This proposal affects: SC3 Annex A

Discussion:

One of the toughest problem is related to what Earth model to use and when to use spheric geometry vs. ellipsoid geometry, and what is the effect in terms of calculating distance or position inside or outside an object, based on those discussions we present the abovementioned proposal.

The proposal is part of the Year 1 changes and it is up to your consideration.