

SAC GPS POSITION RECORDERS

APPROVAL PROCEDURE

Beginning 1 October 2009, the FAI Sporting Code, Section 3 – Gliding will allow the use of Commercial Off-the-Shelf (COTS) GPS units for recording position evidence for Silver and Gold badge legs. Each model of GPS must be approved by the country where it will be used (refer to the Appendix to Chapter 4 of the Code and to the Annex C *OO & Pilot Guide*).

If you have a unit that may meet the requirements of the Code and seek SAC approval for its intended use, answer each of the questions listed below in order. Submit your answers in electronic form to the SAC Badge Chairman. Also submit the operating manual and manufacturer's specifications in electronic form (or two paper copies) and two sample .igc files from the unit (along with the files in the original recording format if it is not .igc).

The submission is to be verified and signed by the applicant and by a separate SAC Official Observer. A list of approved units will be held by the Badge Chairman.

Question list:

Bracketed references are to paragraphs of the Appendix to Chapter 4 of the Sporting Code.

1. Make and model of the COTS unit.
2. Name of the software used to download files in .igc format.
3. Name of the software used to validate the .igc files. (para A-6)
4. Describe in detail each step of the download and verification procedure.
5. How do you know that the unit uses the WGS 84 Earth Model? (para A-2)
6. How do you propose to prevent a change of Earth Model during flight?
(para A-2)
7. How do you know that the .igc file will not contain averaged or predicted fixes? (para A-3)
8. Can the unit produce fixes of at least one per minute? (para A-4)
9. What special procedures should be followed for installation and downloading? (para A-9)