<u>Report of Technical Adviser GNSS</u>

Our document: FAI Sporting Code Section 2 Annex 4_2020_V2.0 - **<u>Requirements for Equipment used for Flight Validation</u>** has been reviewed and the only modification that might be necessary is to make the Pilot Event button - Optional.

With the advent of Live Tracking we now need to investigate our requirements. We have the following systems a available to us from:

Portugese.
 - Name: Flymaster Tracker 4G

Spanish

French
 - FFA trackers

Norwegian
- Air Sports Live Tracking

Italian
Name: Flight Recording Systems (FRS)

The details of each system appears below in answers to my questions:

LIVE TRACKING APPLICATION QUESTIONARE
- Name:
- Contact:
- Website:
- Loggers Technology: GPS Tracker
- Loggers Technology: Communications:
- Loggers Cost
- Display - Technology & Cost:
- Can we load our competitions?:
- Can web embed into our website?:
- Is this targeted to our sports?:
- Used for other airports?:
- Used for other applications?:
- File formats:
- Tested for scoring in GAC competitions:

Competition costs based on 1 World Championships (50 competitors) / year and 5 year equipment life.

GAC pays	Euro / year
Country Pays	Euro / year
Competitor Pays - Logger over 5 years	Euro / year
Competitor Pays - Data per year	Euro / year
Total / year	Euro / year

The live tracking has three distinct purposes.
1. Scoring.
2. For Competitors, Fans and Enthusiasts.
3. For Sponsor appeal.

1. Scoring.
For scoring we need a system which is accurate, 100% reliable, and compatible with our scoring systems. So each of these products will need to be tested before they can be approved for use. (We have found errors for example the Canmore software produces a 3 second change in time when downloading a Canmore loggers. The FFA Skytrack software does this reliably.

2. For Competitors, Fans and Enthusiasts.
Here we need the track and course to be displayed on a website, preferably embedded into the competition website.

3. For Sponsor appeal.
This is where the big bucks are. If we can get sponsors for our sport, then we would be able to spend the money on a professional sports production with commentary on the event, interviews of competitors, and sponsors etc.

Best Regards

Frank Eckard