



CIVL 2025 PLENARY – ANNEXE 11B LIVE TRACKING COORDINATOR REPORT
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By Elena Filonova

Summary of activity during 2024

- The fleet currently is located in Italy.
- In June 2023 Elena Filonova renewed ATA carnet for free export of a re-export of the CIVL fleet, that allowed to use it also in 2024.
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- During 2024 CIVL live trackers were used at the following events:
 - 2nd FAI Asian-Oceanic Paragliding Championship, Korea
 - 1st FAI Junior World Paragliding Championship, Slovenia
 - Test Event for the Hang Gliding Worlds 2025, Spain
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- At the following events the organizers used other fleets with CIVL assistance
 - 17th FAI European Paragliding Championships, Spain
 - 6th FAI Pan-American Paragliding Championship, Brazil
 - Test event of Sport Class Hang Gliding Worlds 2025, Italy
 - Test event Pan-American Paragliding Championship 2026, USA

Flymaster Retrieve system was used at the events.

Live tracking issues:

1.

During the European Championships in Pegalajar several DOS attacks were deliberately targeted at the live tracking service. These were rapidly detected and counter measures were taken to prevent disruptions. As a result when the same attacks repeated during PG Junior Worlds in Slovenia the live tracking servers worked well and were not affected any more.

2.

In Ager the organizer insisted to use secondary live tracking service via mobile app in addition to official one. At the take-off of Ager the following situation with mobile coverage was observed. Every morning upon arrival on take-off the connection was good - mobile phone showed up to 5G. Later just before pilots launch, when all the trackers and mobile apps were activated and sending data, it became impossible to connect to any network via phone – it showed H or E. 2 phones were checked with Orange Spain and TIM Italy Sim cards. The same situation repeated every day. The connection always improved after the pilots started to fly away.

3. One of the organizers erased newly assigned trackers of some pilots right before the task from public live tracking group. It happened because he was not aware what his actions in tracker setting admin panel lead to. Some trackers were restored but unfortunately 1 pilot was missed and though this pilot was present in retrieve map (and safety wise was followed) he was never visible in public live tracking. This pilot was aware of not being tracked publicly but kept silent and did not complained to Live tracking manager in due time.

Measures to be taken:

- Pilots should be informed not to keep silent but ASAP to inform live tracking manager that their followers do not see them on live tracking. This will allow to spot such technical issues.
- The organizers should be trained how to correctly work with live tracking.
- Using mobile phone tracking apps in areas where only GPRS/EDGE is available will have a detrimental effect on live tracking, since the bandwidth used by mobile phones is huge and will clog the available bandwidth. Preferred combinations - one is mobile another is RF / OGN (Flarm, FANET) or one mobile another pure satellite. Mobile phones with fallback to satellite is are not suitable since when they see a land based network they will prefer it over satellite and cause this overflow.