



**FÉDÉRATION AÉRONAUTIQUE INTERNATIONALE**

**BALLOONING COMMISSION (CIA)**

**COMMISSION D'AEROSTATION**

**CIA Conference 2017, Hong Kong**

## **Scoring Working Group**

### **Minutes**

From : Marc Andre, Erwin Pellegrom  
Meeting : Hotel sáv Hong Kong, 15 march 2017, 14:00-15:45

#### **1. Role call**

- Marc Andre (member)
- Erwin Pellegrom (member)
- David Bareford (member)
- Steve Ireland (member)
- Bengt Stener (member)
- Uwe Schneider
- Mathijs De Bruijn
- Markus Kalousdian
- Gerald Schürzlinger
- Yuri Mityagin

Excused: Aline Kalousdian

#### **2. Review 2016 Scoring Working Group minutes.**

- No changes, nothing to act on.

#### **3. Review 2016 CIA Plenary minutes and SWG actions.**

- There's one point for SWG on the list, see point 5 (*there was no point 4 on the agenda*).

#### **5. Review GPS measurements method and form**

- The form has been updated, no changes needed at the moment. The COH was checked if there was any mentioning of the number of measurements needed. The following is in Appendix A: "A DIRECTOR MAY DECIDE THE MINIMUM NUMBER OF POSITION READINGS THAT MUST BE TAKEN (1, 2 OR 3) PROVIDED THAT OBSERVERS ARE INSTRUCTED THAT A GPS RECEIVER MUST BE ALLOWED TO STABILIZE BEFORE TAKING READINGS. "STABLIZE" MEANS EASTING AND NORTHING CHANGING (FLUCTUATING) LESS THAN 1 OR 2 M OVER 5 TO 10 SECONDS." So no changes needed.

6. Items referred to the SWG from Event Director's and Jury President's Reports, from other SCs or WGs before or during the CIA Meeting or discussions of items currently published on the CIA-SWG Forum
  - Jury remarks during Junior Worlds 2016, Mariampole - Lithuania
    - i. "Verification was sometimes difficult", noted. No action for SWG. Remark: The scorer was not approached by the Jury about their difficulty checking the results.  
  
"Results seemed to be rounded to nearest 10 meters too early in the calculating process". SWG asked for more feedback but there's no clear evidence of this happening and the programmer says he's not rounding until the final calculation. The SWG agrees that this is the right way to do it. Use the positions at the best precision available and only round to 10m at the end.
  - Jury remarks during Worlds 2016, Saga – Japan
    - i. "A pilot was penalised for flying in a PZ below 300 ft but his GPS altitude indicated above 350ft." SWG Agrees with comment of jury: the logger was hanging on the envelope, so the the pilot couldn't see the (barometric) altitude. The SWG agrees with the Jury Board's view that it is unfair to not show the altitude to the pilot.
    - ii. "In one task 1016 hPa was used to calculate altitude, but QNH on task sheet was 1014 hPa". The SWG has a different opinion then the jury regarding a pilot knowing how to set their altimeter. Putting the QNH on the task sheet is the preferred way. The only error is that a different QNH was used for scoring compared to what was written on the task shee..
7. Competition Operations Handbook (COH) (and AXMER) update.
  - Recommendation for an update of the AXMER rules (II.24); Make a note regarding the UTM zone(s) of the map
  - Recommendation for an update of the rules (II.24); Let the pilot know the Magnetic variation between magnetic and grid north
  - It's recommended to make a remark in the COH about putting clearly identifiable UTM-reference points on the 4 corners of the map.
  - It's recommended to make a remark in the COH that there should be a legend for the map available.
  - No updates needed for the moment.
  - In the next months Steve Ireland will check if things can be updated, simplified and/or shortened.
8. Start discussion about problems with scoring formula and approaches for changes.
  - Discussion started, there's quick agreement that the scoring formula should be different if the results are not spread enough. But there has to be a program deciding if the new different formula is being used, this should not be a decision by a person!
  - The new adapter formula would at least reduce the maximum points (or give a large minimum point) in case the spread of results is low. This would reduce the effects in point for measurement uncertainty.
  - It could be a completely new formula based on statistics or just a simple modification of the existing formula. Marc will look into this.

- Question: do we need to look at the No Score for scores being just out of the scoring area? Maybe giving for example a distance penalty is an option. There was no decision on this topic.
- Question: how far do we round Elbow-tasks? Maybe only use more precision if the legs are long enough? We might look into this together with a new scoring formula.

9. Any new business.

- None.

10. 2017 SWG Chairman and members (no changes)

- Marc Andre, SUI, Co-Chairman
- Erwin Pellegrom, NED, Co-Chairman
- David Bareford, GBR, Member
- Steve Ireland, AUS, Member
- Aline Kalousdian, BRA, Member
- Bengt Stener, SWE, Member