



CIVL Software Working Group
Minutes, February 2009, Hall, Tirol, Austria
19-20th Feb 2009

1. *Software WG*
 - Confirm WG members.
 - Review operation of Software WG Mailing List
 - Members were reminded that list members who did not respond would be removed from the list.
 - Review Software WG content on FAI/CIVL website.
 - No discussion, ongoing.

2. *Check Local Regulations (for SW, scoring related inconsistencies)*
 - None outstanding

3. *Rule change proposals from Section 7 Subcommittee*
 - See S7 SSC Agenda to extract relevant items to raise and discuss in the SW WG.
 - S7A&B 1.6.6.3 – proposed to delete last sentence
 - Agreed, dependent on FS being approved for use in Cat 1 events
 - S7A&B 5.2.1 – proposed to add FS to list of approved scoring systems
 - Recommended with no objections

4. *Proposals to the Plenary*
 - WPRS formula change proposal (See below)
 - Changes in the formula for Pq and Pp were demonstrated and results were shown as to how they affect the WPRS points of the weaker comps. AG commented that this would improve the points awarded to winners of weaker comps and decrease the mid range of stronger comps.
 - There was a detailed discussion as to the exact shape of the curves to be used for the Pp value.
 - MS would like a steeper curve but was happy that this could be an on going development, reviewed next year.
 - The SC recommends that the changes to the formula are accepted
 - For 10 ; Against none for the Pq change
 - For 8 ; Against 1 for the Pp change

5. *Review of other relevant proposals to the Plenary*
 - Netherlands proposal on WXC to be World and Continental championships. It was addressed in the joint meeting.
 - No additional comments. AG showed some pages from the Online contest website

6. *GPS and Barometric altitude.* It was addressed in the joint meeting.
 - Not discussed, ongoing



7. *Distance calculations in XC competition tasks*

Not discussed, ongoing

8. *Race software*

There will be no new version of RACE

9. *FS competition software*

Not discussed, ongoing

10. *WPRS system / web*

Not discussed, ongoing

11. *CIVL database*

- o *Steward, jury and judge database*

AG reports that system is being specified now. It will ensure greater transparency of Steward & Jury appointments, and make the appointment of Judges much easier for competition organisers.

12. *Sporting Licence data base*

We are looking forward to trialling this at the next major competition

13. *WXC online contest*

Showed some pages from the WXC website

14. *Scoring formulas*

Not discussed

15. *Other issues (for discussion only)*

Discussion to use team results from Cat 1 comps to produce the Nation ranking in the WPRS but no proposal received. FA subsequently made a proposal to the meeting, but it was not seconded.

TB asked if there would be a pilot registration database Stein Tore replied that it was an on going project but gave no timescale.

Agust Gudmundsson
Chairman, Software WG, February 2009



**CIVL Software WG Attendance Meeting 1,
19 February 2009, Hall in Tirol**

Chris (Calvo) Burns – UK Alternate Delegate – PG SC Chair
Dennis Pagen – US Delegate – HG SC Chair
John Aldridge – UK Delegate – Sporting Code SC Chair
Thomas Brandlehner – Austria Alternate Delegate
Raimund Kaiser – Austria Alternate Delegate
Koos de Keijzer – Netherlands Delegate
Yoshiki Oka – Japan Delegate
Scott Torkelsen – Denmark Delegate – Safety & Training SC Chair
Elsa Mai – Chinese Taipei Delegate
Oyvind Ellefsen – Norway Alternate Delegate
Didier Mathurin – France
Raymond Caux – France
Dietrich Munchmeyer – Germany
Harry Buntz – Germany Alternate Delegate
Esa Alaraudansoki – Finland Delegate
Leonard Grigorescu – Romania Delegate
Fernando Amaral – Portugal Delegate
Karolina Kociecka – Poland
Martin Scheel – Switzerland Delegate
Stein-Tore Erdal – Norway
Agust Gudmundsson – Iceland Delegate
Niels J Askirk – Denmark Alternate Delegate
Louise Joselyn – UK – CIVL Secretary
Brian Harris – France – CIVL Comps Coordinator



**CIVL Software WG Attendance Meeting 2,
20 February 2009, Hall in Tirol**

Chris (Calvo) Burns – UK Alternate Delegate – PG SC Chair
Thomas Brandlehner – Austria Alternate Delegate
Koos de Keijzer – Netherlands Delegate
Yoshiki Oka – Japan Delegate
Scott Torkelsen – Denmark Delegate – Safety & Training SC Chair
Oyvind Ellefsen – Norway Alternate Delegate
Didier Mathurin – France
Dietrich Munchmeyer – Germany
Harry Buntz – Germany Alternate Delegate
Leonard Grigorescu – Romania Delegate
Fernando Amaral – Portugal Delegate
Karolina Kociecka – Poland
Martin Scheel – Switzerland Delegate
Stein-Tore Erdal – Norway
Agust Gudmundsson – Iceland Delegate
Niels J Askirk – Denmark Alternate Delegate
Brian Harris – France – CIVL Comps Coordinator
Thomas Senac – France – Environment WG chair



Proposal for improvement of WPRS formula

CIVL Plenary in Austria 2009

This proposal is made by the CIVL Software working group.

This proposal is put forward to make following improvements to the formulas used in the WPRS.

To implement the change it is proposed to keep current rankings and points as they are in the system today. They can be accessed as any older ranking information is already now.

The new formula takes over from March 1st 2009.

That will have effect on all competition with the final day March 1st 2009 or later.

All rankings from that date will use the new formulas and show the competitions in the last 3 years recalculated using the new formula.

The formula is **WPR = Pp*Pq*Pn*Ta*Td**

Detailed description is available at the CIVL ranking web pages.

Proposed change for HG and PG Aerobatics:

The formula uses average number of pilots in competition in the last 12 months. Currently the formula uses average of all Aerobatic competitions and does not differentiate between solo and synchro Aerobatics.

The proposal is to calculate the average number of pilots separately for solo and synchro to be used in the calculations for solo and synchro rankings.

Proposed change for HG XC, PG XC and PG Accuracy:

Participant quality (Pq)

Pq is calculated by comparing the top ranked pilots of the world and top 2/3 of the pilots in this competition.

The proposed change is to use the top half of the pilots in the competition instead.

This has almost no effect on competition with high ranked pilots (strong comps) but will give competitions with lower ranked pilots more points than before.

Pilot Points (Pp)

Using the actual scores to distribute the points within a competition does not work as well as needed.

It is proposed to have the points distributed by a curve. The curve is using the Pq so in competition with high ranked pilots the curve is fairly steep, but in competitions with lower ranked pilots it gets close to be straight line.

Pq has the value of 0.2 to 1.0 based on the rankings of the pilots in the competition.

The actual proposed change is to use the following:

$$\mathbf{Pp = \min(Pplacing^{(1+Pq)}, Pplacing^{(1+1.0)})}$$

where Pplacing is (last place - pilot place+1/ last place)