

Basic requirements for CP Scoring system

or how to fix Omniscore before use at the next FCE

Lessons learnt during the WC Eloy 2023

CP judging system should:

1. Be a **stable software** that has been updated **in accordance with the latest rules** and any updates or changes have been completed and tested in time. Should software not be ready, there should be an option to impose on organiser change to working and tested solution.
2. Be a software with clear hardware requirements, full version installed on on main and on one **backup** computer.
3. Be checked by the CP Committee ample time before the FCE for implementation of changes required by rules. **All functionality needs to be compliant with current rules.**

CP judging system should:

4. **Not be modified or updated during the competition**, unless fatal errors occur. No fancy upgrades during the competition should be allowed.
5. **Not allow for switching between software versions during the competition.**
6. CP Scoring Technical Director responsible during competition should be confirmed the latest before publication of Bulletin 1. This person should be skilled or trained in the use of the software and have full knowledge and understanding of canopy piloting discipline.

Other important information:

7. **Scoresheets** generated by the system and used by judges to capture scores **should have required information.**
8. System should be able to generate “completed” scoresheets, as captured in the system for **double checking before publication of scores and results.**
9. All scoresheets and results pages should have the same information - competitor number, name and country.
10. **Final scores and results should be immediately available on the ISC official results page.** This page takes priority over the other pages.

Detailed notes
on problems and suggestions to
implement changes

Software needs to be stable

Judging software needs to be **tested before the competition and confirmed by the developer to be ready with yearly updates** (based on latest changes to the competition rules). Any changes required needs to be done before the start of the competition. There is ample time between the publication of the new rules and FCE.

Judging system needs to be stable and not requiring constant modifications. Obviously if there are any errors, attention is needed. Only fatal errors need to be attended to.

Suggestion:

System developer should report to CJ and Judges Committee maximum two months before the competition confirming relevant changes have been applied. If changes have not been applied, the decision of way forward should be discussed between CJ, Judges Committee and CP Committee allowing for use of backup software (other software).

Explanation:

I have been in contact with Ted Wagner regarding readiness of the system from the moment of appointment as CJ. I was ensured that required changes have been applied. It appeared that I was misled and required changes were not done far in advance.

In addition, software was constantly worked on during the competition – this led to breaking the code that was correct and working and that needing to fix again.

Software and hardware

Judging software needs to be able to be installed on any computer and can be operated by any person that is trained to capture the scores.

If there is a hardware requirement – software producer needs to specify these requirements in advance for organiser to be able to purchase or rent required hardware.
Simple manual operational manual needs to be created in case the person that has been appointed to capture the scores becomes temporarily unavailable.

Backup computer available in case of operating system error or hard disc malfunction.

Backups done after each round or each day online.

Suggestion:

Backup machine - this is how often completions are run in other disciplines. My experience as MD and CJ in other events proved it is crucial to have a backup hardware for each piece of equipment.

Explanation:

Current CP version of omniscore is relying on Ted Wagner and his computer only.

For one of another reason any of the two is unavailable, non-functioning, implications to running the FCE competition is affected.

If there is a printing error or computer-printer communication error, there is no easy alternative solution.

Accordance to the rules

It is of the most importance that software first fulfils all the requirements of current rules. That is the base of the software. Any additional “nice” functionality should not take privilege over the core of the software.

Any software with obvious deviations from the rules, should be required to implement the change before allowed to be used at the next FCE. This ideally to be monitored by the joint forces of Judges Committee and Canopy Piloting Committee.

Examples of rules not implemented:

Disqualified competitor according to rule **5.6.5** – all results achieved in the competition have to be removed and competitor needs to be marked “disqualified” and listed in the ranking list after all competitors.

Omniscore did not have that functionality. Disqualification of competitor only created a score of the zero. Additional development of the software during the competition required moving the competitor to the end of the list and removing any result. Red card (also yellow card) had to be marked by hand on printout. Changes have been made the next day. But each change to the system, caused other parts of the system not work.

Other example - Canopy Formations

I am pointing this, as it clearly shows lack of understanding rule requirements. Another example from another discipline – Canopy Formations rule 2.11 Working Time: “...If the judges cannot determine the working time from the video footage submitted, the following procedure will be followed. The Event Judge will determine the closest approximation to the working time and begin the chronometer and a penalty...”

Omniscore “nice” functionality is allowing for Event Judge to select the judge whose start of the working time is counted. However, the Event Judge cannot start the working time in accordance with the rules, as stated in 2.11.



11th FAI World Cup of Canopy Piloting, Eloy, AZ, 2023
Canopy Piloting - Speed - Current Standings

| Rank | Pilot | Speed | | | | | | | |
|------|-----------------------------|---------|--------|---------|--------|---------|-----|--------|--|
| | | Round 1 | | Round 2 | | Round 3 | | Total | |
| | | sec | pts | sec | pts | sec | pts | | |
| 46 | Thomas Perdula (CZE) | 5.313 | 31.354 | 5.048 | 30.691 | | | 62.045 | |
| 47 | Jean-Philippe Bernier (CAN) | 3.281 | 59.614 | | | | | 59.614 | |
| 48 | Klas Ramsay (FIN) | 0.000 | 3.000 | 3.247 | 55.264 | | | 58.264 | |
| 49 | Philip Webley (GBR) | 3.551 | 53.647 | 4.334 | 3.000 | | | 56.647 | |
| 50 | Christian Bonaldo (ITA) | 3.473 | 55.259 | 0.000 | 0.000 | | | 55.259 | |
| 51 | Darcy King (USA) | 0.000 | 3.000 | 3.509 | 49.831 | | | 52.831 | |
| 52 | Giuseppe Crott (ITA) | 3.651 | 51.699 | 0.000 | 0.000 | | | | |
| 53 | Juha-Matti Sironen (FIN) | 3.676 | 51.234 | 0.000 | 0.000 | | | | |
| 54 | Christopher Good (GBR) | 0.000 | 0.000 | 3.445 | 51.076 | | | | |
| 55 | Nicholas Robinson (GBR) | 3.820 | 48.676 | 0.000 | 0.000 | | | | |
| 56 | Bhakta Nail (IND) | 0.000 | 0.000 | 4.880 | 32.104 | | | | |
| 57 | Sebastian Dratwa (POL) | 0.000 | 0.000 | 0.000 | 0.000 | | | | |

Disqualified competitor with red card.

Omniscore did not comply with competition rules and calculated competitor as he was competing.

This error obviously affects other competitors scores.

Version control

Once all updates to the system are applied in accordance with rule changes, the version of the software should be officially confirmed and used as the only version of that system.

It should not be allowed to switch between versions of the software during the competition or even in the middle of the round.

Suggestion:

Software developers have obligation to keep the official version update history published. This should be available for everyone to view.

Developer of the system used during the FCE should have set time to implement and publish changes - for example within 3 months from publication of the rules.

Explanation:

During the World Cup, code from different events have been implemented to the actual version run during the competition.

The basic rule that one line of code, creates ripple effect has been clearly visible.

Changes to the code were made in the middle of the round - for example to older version or specially to special version like World Games version and back.

Scoresheets design

Canopy Piloting judges require scoresheets printed from the system. These need to be attached to the clipboard and easy for judges to fill out on the move.

Ideal scoresheet is the one, that gives enough of space per competitor to write a score. While most of judges will only write their own position score (for example making or not making a gate, zone number or distance), Event Judge and scorers will capture results from all judges. This is why it is important to have space to write all required information.

There needs to be space for judge's name and position (for example G1, G2... zones, etc). Ideal space for that is right top corner – so CJ after collecting all scoresheets can easily search, if needed.

Explanation:

I was informed by some judges, that in previous competitions scoresheets were hard to use, as very little space. Samples were sent to me via email and I have noticed that they all are printed on vertical page. However, judges were right – the space for writing was small. I have asked if there is an option to print out the scoresheets vertically. This was agreed and tested during the OPP. However, the unnecessary margin on the bottom was still big. Ted Wagner decided to implement “fun changes” and started on working on printing judge's name on top of the page (without my approval).

This functionality would not make judge's performance any better – we would need much more time to pick the right scoresheets that are meant for specific judges.

However, working on the system caused an error and scoresheets were no longer printed as during the OPP, but vertical.

Judge Name: LIZ - OC - PRACTICE

Speed Score Sheet - Round 1

| Competitor | Entry (G1) | G2 | G3 | G4 | G5 | Time | DQ | Reason | Notes |
|------------|------------|----|----|----|----|------|----|--------|-------|
| Plane 1 | | | | | | | | | |
| Pass 1 | | | | | | | | | |
| 1 | | + | | | | 1:11 | | | |
| 2 | | + | | | | 1:11 | | | |
| 3 | | + | | | | 1:11 | | | |
| 4 | | + | | | | 1:11 | | | |
| Pass 2 | | | | | | | | | |
| 5 | | + | | | | 2:37 | | | |
| 6 | | + | | | | 2:37 | | | |
| 7 | | + | | | | 2:37 | | | |
| 8 | | + | | | | 2:37 | | | |
| Pass 3 | | | | | | | | | |
| 9 | | + | | | | 2:37 | | | |
| 10 | | + | | | | 2:37 | | | |
| 11 | | + | | | | 2:37 | | | |
| 12 | | + | | | | 2:37 | | | |
| Pass 4 | | | | | | | | | |
| 13 | | + | | | | 2:37 | | | |
| 14 | | + | | | | 2:37 | | | |
| 15 | | + | | | | 2:37 | | | |
| 16 | | + | | | | 2:37 | | | |
| Pass 5 | | | | | | | | | |
| 17 | | + | | | | 2:37 | | | |
| 18 | | + | | | | 2:37 | | | |
| 19 | | + | | | | 2:37 | | | |
| 20 | | + | | | | 2:37 | | | |

Scoresheets during the OPP.

Easier to write for judges. However, empty space on the bottom of the page is not necessary. Rows should have been made higher (as requested months before competition).

Judge Name: Jani

Speed Score Sheet - Round 1

| Competitor | Entry (G1) | G2 | G3 | G4 | G5 | Time | DQ | Reason | Notes |
|-------------------------|------------|----|----|----|----|------|----|--------|-------|
| Plane 1 | | | | | | | | | |
| Pass 1 | | | | | | | | | |
| 1 Darcy King | | + | | | | | | | |
| 2 Taras Zdoroviy | | + | | | | | | | |
| 3 Giuseppe Crott | | + | | | | | | | |
| 4 Cameron Puttee | | + | | | | | | | |
| 5 Bhakta Nall | | + | | | | | | | |
| Pass 2 | | | | | | | | | |
| 6 Sergei Fedotov | | + | | | | | | | |
| 9 V Prib | | + | | | | | | | |
| 7 Jean-Philippe Bernier | | + | | | | | | | |
| 8 Thomas Perdula | | + | | | | | | | |
| 10 Philip Webbley | | + | | | | | | | |
| Pass 3 | | | | | | | | | |
| 13 Curtis Taylor | | + | | | | | | | |
| 14 Jeannie Bartholomew | | + | | | | | | | |
| 11 Jesse Weyher | | + | | | | | | | |
| 15 Miles Cottman | | + | | | | | | | |
| 12 Luke Cumow | | + | | | | | | | |
| Pass 4 | | | | | | | | | |
| 19 Roman Dubsky | | + | | | | | | | |
| 20 Nicholas Satsch | | + | | | | | | | |
| 18 Mark Rahbani | | + | | | | | | | |
| 16 Robin Jandie | | + | | | | | | | |

Scoresheets during the Competition.

Less convenient to judges.

Information printed

Scoresheets need to be in jump order, **showing competitor number, name and country.**

Other systems allow for capturing the colour of the canopy and publish both colour of the canopy (different per event) and country code. That helps judges if there is malfunction or competitors in wrong order. It is what we are used to as judges, but not a requirement.

Printing only part of the information is explained further in this document.

Suggestion to the organiser:

It is wise to select fast printer, have plenty of backup cartridge and chose one that does not smudge. Specially during the distance, when judges run holding scoresheets, rubbing on clothing was making scoresheets unreadable.

Next page shows problems while selecting wrong printer.

Judge Name: Lauren Foster

| Competitor | Entry (G1) | G2 | G3 | G4 | G5 | Time | DQ | Reason |
|-------------------------|------------|----|----|----|----|------------------------------|-------|--------|
| Plane 1 | | | | | | | | |
| Pass 1 | | | | | | | | |
| 1 Darcy King | | | | | | 3.509 | ✓ | |
| 2 Taras Zdoroviyk | | | | | | 3.431 | ✓ | |
| 3 Christophe Chert | ME | | | | | NT | | |
| 4 Cameron Puttice | | | | | | 3.499 | ✓ | |
| 5 Bhakta Noll | | | | | | 4.880 | ✓ | |
| Pass 2 | | | | | | | | |
| 6 Sargel redotov | | | | | | 3.761 | ✓ | |
| 9 V Prio | | | | | | 2.701 | ✓ | |
| 7 Jean-Philippe Bernier | Rd2: | | | | | 3.281 | ✓ | |
| 8 Thomas Peroula | | | | | | 5.048 | ✓ | |
| 10 Philip Webley | | VE | | | | 4.334 | | |
| Pass 3 | | | | | | | | |
| 13 Curtis Taylor | | | | | | 2.019 ^{not correct} | 2.664 | ✓ |
| 14 Roman Dubsky | | | | | | 3.334 | ✓ | |
| 21 Jesse Weyher | | | | | | 2.355 | ✓ | |
| 15 Miles Cottman | | | | | | 2.819 | ✓ | |
| 12 Luke Curnow | | | | | | 3.521 | ✓ | |
| Pass 4 | | | | | | | | |
| 19 Roman Dubsky | | | | | | 2.865 | ✓ | |
| 20 Nicholas Batsch | | | | | | 2.537 | ✓ | |
| 18 Mark Rahbani | | | | | | 3.240 | ✓ | |
| 16 Robin Jandle | | | | | | 2.777 | ✓ | |

| | | | | | | | |
|-------------------------|------|----|--|--|--|------------------------------|-------|
| 9 V Prio | | | | | | 2.701 | ✓ |
| 7 Jean-Philippe Bernier | Rd2: | | | | | 3.281 | ✓ |
| 8 Thomas Peroula | | | | | | 5.048 | ✓ |
| 10 Philip Webley | | VE | | | | 4.334 | |
| Pass 3 | | | | | | | |
| 13 Curtis Taylor | | | | | | 2.019 ^{not correct} | 2.664 |
| 14 Roman Dubsky | | | | | | 3.334 | ✓ |
| 21 Jesse Weyher | | | | | | 2.355 | ✓ |
| 15 Miles Cottman | | | | | | 2.819 | ✓ |
| 12 Luke Curnow | | | | | | 3.521 | ✓ |
| Pass 4 | | | | | | | |
| 19 Roman Dubsky | | | | | | 2.865 | ✓ |
| 20 Nicholas Batsch | | | | | | 2.537 | ✓ |
| 18 Mark Rahbani | | | | | | 3.240 | ✓ |
| 16 Robin Jandle | | | | | | 2.777 | ✓ |

Unreadable information

Captured scores

After scores have been captured, judges need to verify that the scores have been captured correctly. Scoresheets with full information should be generated from the system. Option to show negative (only missed gates shown) or positive (only made gates shown) should be part. For judges would be easier to use the negative scores, but to publish final information for competitors would be the positive.

After the captured scores have been verified and all capturing scores have been corrected, the final results can be printed, signed by CJ and published.

Omniscore does not allow for printing details of captured scores, as it can ONLY print the FINAL score and final result.

Receiving final scores and results without details gives judges two options – to accept without checking details or using manual calculation to determine that the score applied is correct.

That meant that for each of the classic events, judges had to manually calculate scores to compare to the printout. For freestyle, we had to use software to calculate scores.

Explanation:

Examples of how judges have to check the scores on next slide.



11th FAI World Cup of Canopy Piloting, Eloy, AZ, 2023
Canopy Piloting - Accuracy - Final Standings

| Rank | Pilot | Accuracy | | | | | | | |
|------|-------|-----------------------------|-----|---------|------|---------|-----|---------|---------|
| | | Round 1 | | Round 2 | | Round 3 | | Total | |
| | | score | pts | score | pts | score | pts | | |
| 22 | 36 | Tiago Muller (CAN) | 74 | 81.318 | 74 | 75.510 | 35 | 38.461 | 195.289 |
| 18 | 37 | Mark Rahbani (CZE) | 81 | 89.010 | 45 | 45.918 | 48 | 52.747 | 187.675 |
| 36 | 38 | Max Lesziak (CAN) | 81 | 89.010 | 48 | 48.979 | 45 | 49.450 | 187.439 |
| 42 | 39 | Alan (Wez) Westley (GBR) | 45 | 49.450 | 65 | 66.326 | 65 | 71.428 | 187.204 |
| 14 | 40 | Jeannie Bartholomew (USA) | 53 | 58.241 | 59 | 60.204 | 58 | 63.736 | 182.181 |
| 8 | 41 | Thomas Perdula (CZE) | 260 | 3.000 | 77 | 78.571 | 91 | 100.000 | 181.571 |
| 37 | 42 | Gonzalo Resende (POR) | 81 | 89.010 | 24 | 24.489 | 60 | 65.934 | 179.433 |
| 12 | 43 | Luke Curnow (GBR) | 24 | 26.373 | 74 | 75.510 | 65 | 71.428 | 173.311 |
| 33 | 44 | Christian Bonaldo (ITA) | 51 | 56.043 | 51 | 52.040 | 59 | 64.835 | 172.918 |
| 26 | 45 | Boris Grozev (BUL) | 65 | 71.428 | 30 | 30.612 | 59 | 64.835 | 166.875 |
| 30 | 46 | Christopher Good (GBR) | 45 | 49.450 | 38 | 38.775 | 65 | 71.428 | 159.653 |
| 1 | 47 | Darcy King (USA) | 51 | 56.043 | 2722 | 27.551 | 65 | 71.428 | 155.022 |
| 34 | 48 | Samuel Gouws (CAN) | 51 | 56.043 | 30 | 30.612 | 59 | 64.835 | 151.490 |
| 10 | 49 | Philip Webley (GBR) | 43 | 47.252 | 51 | 52.040 | 44 | 48.351 | 147.643 |
| 3 | 49 | Giuseppe Crott (ITA) | 51 | 56.043 | 51 | 52.040 | 36 | 39.560 | 147.643 |
| 31 | 51 | Paolo Ribeiro Marques (BRA) | 58 | 63.736 | 74 | 75.510 | 560 | 3.000 | 142.246 |
| 27 | 52 | Juha-Matti Sironen (FIN) | 45 | 49.450 | 74 | 75.510 | 250 | 3.000 | 127.960 |
| 53 | 53 | Patrick Kessler (USA) | 65 | 71.428 | 24 | 24.489 | 29 | 31.868 | 127.785 |
| 5 | 54 | Bhakta Nall (IND) | 51 | 56.043 | 90 | 3.000 | | 56.043 | 115.086 |
| 2 | 55 | Taras Zdorovyyk (UKR) | 22 | 24.175 | 90 | 3.000 | | 47.252 | 74.427 |
| | 56 | Klas Ramsay (FIN) | 0 | 0.000 | 0 | 0.000 | | 0.000 | 0.000 |
| | 57 | Jean-Philippe Bernier (CAN) | DQ | DQ | DQ | DQ | | | 0.000 |

Examples of wrong capturing and wrong calculating formula resulting in incorrect score and result. This would have not been picked up if judges would have not calculated all scores manually for double checking.

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| Rank | Pilot | Accuracy | | | | | | | |
|------|---------|----------|---------|---------|---------|---------|-------|-------|--|
| | | Round 1 | | Round 2 | | Round 3 | | Total | |
| | | pts | score | pts | score | pts | score | | |
| | 89.010 | 98 | 100.000 | 88 | 96.703 | 285.713 | | | |
| | 89.010 | 86 | 87.755 | 88 | 96.703 | 273.468 | | | |
| | 94.505 | 81 | 82.653 | 86 | 94.505 | 271.663 | | | |
| | 100.000 | 65 | 66.326 | 91 | 100.000 | 266.326 | | | |
| | 92.307 | 84 | 85.714 | 77 | 84.615 | 262.636 | | | |
| | 71.428 | 88 | 89.795 | 91 | 100.000 | 261.223 | | | |
| | 71.428 | 84 | 85.714 | 91 | 100.000 | 257.142 | | | |
| | 81.318 | 74 | 75.510 | 91 | 100.000 | 256.828 | | | |
| | 73.626 | 91 | 92.857 | 81 | 89.010 | 255.493 | | | |
| | 89.010 | 91 | 92.857 | 65 | 71.428 | 253.295 | | | |
| | 81.318 | 81 | 82.653 | 81 | 89.010 | 252.981 | | | |
| | 89.010 | 67 | 68.367 | 84 | 92.307 | 249.684 | | | |
| | 71.428 | 74 | 75.510 | 91 | 100.000 | 246.938 | | | |
| | 89.010 | 74 | 75.510 | 74 | 81.318 | 245.838 | | | |
| | 71.428 | 81 | 82.653 | 81 | 89.010 | 243.091 | | | |
| | 75.824 | 76.530 | 77 | 84.615 | 236.969 | | | | |
| | 71.428 | 74 | 75.510 | 81 | 89.010 | 235.948 | | | |
| | 71.428 | 74 | 75.510 | 81 | 89.010 | 235.948 | | | |
| | 84.615 | 61 | 62.244 | 81 | 89.010 | 235.869 | | | |
| | 81.318 | 81 | 82.653 | 59 | 64.835 | 228.806 | | | |
| | 71.428 | 67 | 68.367 | 81 | 89.010 | 228.805 | | | |
| | 48.351 | 84 | 85.714 | 86 | 94.505 | 228.570 | | | |
| | 89.010 | 86 | 87.755 | 45 | 49.450 | 226.215 | | | |
| | 81.318 | 81 | 82.653 | 53 | 58.241 | 222.212 | | | |
| | 58.241 | 77 | 78.571 | 77 | 84.615 | 221.427 | | | |
| | 89.010 | 56 | 57.142 | 67 | 73.626 | 219.778 | | | |
| | 56.043 | 84 | 85.714 | 69 | 75.824 | 217.581 | | | |
| | 73.626 | 65 | 66.326 | 65 | 71.428 | 211.380 | | | |
| | 84.615 | 44 | 44.897 | 74 | 81.318 | 210.830 | | | |
| | 64.835 | 65 | 66.326 | 67 | 73.626 | 204.787 | | | |
| | 71.428 | 58 | 59.183 | 67 | 73.626 | 204.237 | | | |
| | 38.461 | 88 | 89.795 | 69 | 75.824 | 204.080 | | | |
| | 64.835 | 65 | 66.326 | 65 | 71.428 | 202.589 | | | |
| | 50.549 | 65 | 66.326 | 74 | 81.318 | 198.193 | | | |
| | 73.626 | 67 | 68.367 | 51 | 56.043 | 198.036 | | | |



Inconsistent information

Scoresheets from Omniscore have only competitor number and name.

Results page has only competitor name and country.

That means, to check the results with scoresheets, besides manual calculation, one needs to spend time locating the correct competitor by his or her name.

This slows down the process. In Eloy, judges had to create a system to make cross checking fast and efficient.

This could have been avoided if the correct information is generated and printed.

Explanation:

All scoresheets and results should be created the way to allow for fast checking.

Scoresheets are in the order of jumping. Since there is no way to obtain scores or results in the order of jumping, judges have to compare documents and locate by name to cross check the score and result.

Details on next slide.

| Name: | Competitor | Entry |
|--------|--------------------|-------|
| Pass 1 | | |
| 41 | Richo Healey | |
| 42 | Alan (Wez) Westley | |
| 43 | Aurelien Lemaire | |
| 45 | Peter Mestak | |
| 44 | Stefan Burström | |
| Pass 2 | | |
| 48 | Joao Antonio | |
| 47 | Gerard Burnside | |
| Pass 3 | | |
| 52 | Curt Bartholomew | |
| 51 | Sebastian Dratwa | |

Scoresheets:

competitor number and name

| | | |
|----|-------------------------------------|-------|
| 17 | Kai Bunkus (GER) | 2.790 |
| 18 | Raz Malka (ISR) | 2.826 |
| 19 | Sean Haysom (AUS) | 2.982 |
| 20 | Miles Cottman (AUS) | 3.049 |
| 21 | Stefan Burström (SWE) | 2.968 |
| 22 | John Minos (CAN) | 3.219 |
| 23 | Peter Mestak (CZE) | 3.620 |
| 24 | Adrian Seeman (AUS) | 3.378 |
| 25 | Edward Heady (USA) | 3.275 |
| 26 | Edward Heady (USA) | 3.093 |
| 27 | Tiago Muller (CAN) | 3.103 |
| 28 | | 3.356 |
| 29 | | 3.263 |
| 30 | | 3.303 |
| 31 | Taras Zdorovyk (UKR) | 3.322 |
| 32 | Jeanne Bartholomew (USA) | 3.314 |
| 33 | Luke Curnow (GBR) | 3.624 |
| 34 | Cameron Puttee (AUS) | 3.462 |
| 35 | Simon Bouchard (CAN) | 3.523 |
| 36 | Max Lesziak (CAN) | 3.646 |
| 37 | Sergei Fedotov (USA) | 0.000 |
| 38 | Patrick Kessler (USA) | 3.635 |
| 39 | Cornelia Mihai (UAE) | 2.311 |
| 40 | Stephen Simpson (GBR) | 0.000 |
| 41 | Joao Antonio Boncato Souza De (BRA) | 4.951 |

Results page:

Competitor name and country.

Final scores and results

Printing final results needs to be tested and approved again.

Obviously, this might have been a problem, as the system during the competition was constantly worked on (also for some unknown reason switched to World Games version and back) – results should be readable with all information clear.

Detailed results should also show immediately on the FAI web site, as per Section 5. 4.16.(5) – that is Official Results have to be posted on ISC Official Results Website. The current version of Omniscore did not allow to show for detailed scores during the competition.

Explanation:

Generating result pages and printing to pdf or to paper is a basic functionality.

It should not require additional programming after the last round and additional work of testing and trial and error.

I have rejected the first printout as not acceptable and Ted had to spend almost two hours getting to the acceptable version.

Example on the next slide.



11th FAI World Cup of Canopy Piloting, Eloy, AZ, 2023
Canopy Piloting - Overall - Final Standings

| Rank Pilot | | Accuracy | | | | | | | | | | Distance | | | | | | | | | | Speed | | | | | | | | | | Total % |
|------------|--------------------------|----------|----------|----------|----------|----------|----------|-------------|----------|----------|----------|----------|----------|----------|--------|---------|--------|---------|--------|---------|--------|-------|--------|-----|--|--|--|--|--|--|--|---------|
| | | Round 1 | | Round 2 | | Round 3 | | Total | Round 1 | | Round 2 | | Round 3 | | Total | Round 1 | | Round 2 | | Round 3 | | Total | | | | | | | | | | |
| | | score | pts | score | pts | score | pts | | m | pts | m | pts | m | pts | | sec | pts | sec | pts | sec | pts | | sec | pts | | | | | | | | |
| 1 | Curt Bartholomew (USA) | 8694.505 | 8182.653 | 8694.505 | 8182.653 | 8694.505 | 8182.653 | 1.66375.394 | 7784.615 | 6162.244 | 7784.615 | 6162.244 | 7784.615 | 6162.244 | 9.4942 | 2.260 | 9.4942 | 2.260 | 9.4942 | 2.260 | 9.4942 | 2.260 | 0.0002 | | | | | | | | | |
| 2 | Cedric Rios (FRA) | 6571.428 | 8182.653 | 8189.010 | 8182.653 | 8189.010 | 8182.653 | 3.09171.992 | 9.2967 | 83.923 | 3.6026 | 64.297 | 3.0283 | 8.722 | 3.592 | 2.6042 | | | | | | | | | | | | | | | | |
| 3 | Armando Fattoruso (ITA) | 8189.010 | 9192.857 | 6571.428 | 8182.653 | 6571.428 | 8182.653 | 3.29544.107 | 7.8967 | 72.187 | 5.9215 | 50.569 | 5.2128 | 4.7032 | 2.399 | 5.882 | | | | | | | | | | | | | | | | |
| 4 | V Prib (USA) | 8492.307 | 8485.714 | 7784.615 | 6162.244 | 7784.615 | 6162.244 | 2.63635.203 | 8.0856 | 4.923 | 9.3338 | 7.822 | 2.2123 | 9.2292 | 6.798 | 1.112 | | | | | | | | | | | | | | | | |
| 5 | Sven Jseppi (CAN) | 6571.428 | 7475.510 | 8189.010 | 8182.653 | 8189.010 | 8182.653 | 5.94884.990 | 0.0009 | 6.490 | 0.0006 | 0.294 | 9.329 | 4.9332 | 3.891 | 1.208 | | | | | | | | | | | | | | | | |
| 6 | Justin Price (USA) | 8189.010 | 8687.755 | 8895.702 | 3.468 | 66.089 | 7.346 | 2.252 | 5.743 | 36.280 | 7.083 | 3.0142 | 3.781 | 1.55 | | | | | | | | | | | | | | | | | | |
| 7 | Richo Healey (AUS) | 6571.428 | 6768.367 | 8189.010 | 8182.653 | 8189.010 | 8182.653 | 8.80545.078 | 3.3985 | 3.077 | 8.8122 | 0.092 | 3.221 | 8.6002 | 6.877 | | | | | | | | | | | | | | | | | |
| 8 | Cornelia Mihai (UAE) | 8189.010 | 9800.000 | 8895.702 | 5.713 | 49.981 | 1.058 | 81.032 | 1.313 | 4.809 | 8.723 | 3.0650 | 0.000 | | | | | | | | | | | | | | | | | | | |
| 9 | Aurelien Lemaire (FRA) | 7481.318 | 8182.653 | 8189.010 | 8182.653 | 8189.010 | 8182.653 | 2.98124.467 | 7.246 | 36.759 | 5.9609 | 0.846 | 6.081 | 1.4482 | | | | | | | | | | | | | | | | | | |
| 10 | Gonzalo Resende (POR) | 8189.010 | 2424.489 | 6065.931 | 9.433 | 42.987 | 7.290 | 56.059 | 4.182 | 6.605 | 5.0123 | 1.7252 | | | | | | | | | | | | | | | | | | | | |
| 11 | Kai Bunkus (GER) | 6773.626 | 9192.857 | 8189.010 | 8182.653 | 8189.010 | 8182.653 | 5.49340.976 | 5.1712 | 2.662 | 3.395 | 1.9790 | 9.580 | 9.5242 | 8.267 | | | | | | | | | | | | | | | | | |
| 12 | Abdulbari Qubaisi (UAE) | 6571.428 | 8889.795 | 9100.000 | 1.223 | 42.977 | 7.269 | 59.080 | 9.202 | 7.275 | 4.023 | 3.5912 | 4.289 | 1.110 | | | | | | | | | | | | | | | | | | |
| 13 | Nicholas Batsch (USA) | 9100.000 | 6565.326 | 9100.000 | 6565.326 | 9100.000 | 6565.326 | 6.8893.986 | 1.682 | 2.683 | 1.307 | 8.029 | 9.4682 | 5.632 | 8.572 | | | | | | | | | | | | | | | | | |
| 14 | Martin Reynolds (GBR) | 7481.318 | 8182.653 | 5358.242 | 2.212 | 52.243 | 3.000 | 89.176 | 2.7450 | 0.083 | 8.888 | 8.1572 | 5.981 | 1.372 | | | | | | | | | | | | | | | | | | |
| 15 | Patrick Kessler (USA) | 6571.428 | 2424.489 | 2931.868 | 7.785 | 50.681 | 4.093 | 32.767 | 5.356 | 0.895 | 2.894 | 4.2332 | 3.195 | 1.212 | | | | | | | | | | | | | | | | | | |
| 16 | Jesse Weyher (USA) | 8189.010 | 5657.142 | 6773.626 | 9.778 | 23.453 | 3.000 | 64.783 | 8.666 | 52.340 | 0.270 | 7.1362 | 5.463 | 5.972 | | | | | | | | | | | | | | | | | | |
| 17 | Gerard Burnside (FRA) | 6975.824 | 6565.326 | 7784.615 | 6162.244 | 7784.615 | 6162.244 | 6.76512.480 | 7.973 | 7.680 | 0.440 | 4.181 | 7.329 | 0.5732 | 8.947 | | | | | | | | | | | | | | | | | |
| 18 | Sean Haysom (AUS) | 7784.615 | 6162.244 | 8189.010 | 8182.653 | 8189.010 | 8182.653 | 5.86917.463 | 4.6230 | 3.356 | 3.390 | 4.281 | 1.758 | 1.5573 | 0.495 | 7.382 | | | | | | | | | | | | | | | | |
| 19 | Raz Malka (ISR) | 8189.010 | 7475.510 | 7481.318 | 5.838 | 29.369 | 8.950 | 1.031 | 4.129 | 7.757 | 9.220 | 9.2292 | 9.887 | 7.152 | | | | | | | | | | | | | | | | | | |
| 20 | Miles Cottman (AUS) | 5964.835 | 6565.326 | 6773.626 | 4.787 | 49.660 | 9.012 | 4.553 | 3.870 | 6.883 | 3.320 | 7.6202 | 9.668 | 1.144 | | | | | | | | | | | | | | | | | | |
| 21 | Kevin Techer (FRA) | 8189.010 | 8687.755 | 4549.450 | 6.215 | 49.780 | 9.236 | 1.992 | 4.419 | 4.165 | 7.529 | 9.1232 | 6.529 | 1.762 | | | | | | | | | | | | | | | | | | |
| 22 | Peter Mestak (CZE) | 8189.010 | 6768.367 | 8492.307 | 9.684 | 49.183 | 5.810 | 7.864 | 8.939 | 3.383 | 3.083 | 2.486 | 7.223 | 3.787 | 3.432 | | | | | | | | | | | | | | | | | |
| 23 | John Minos (CAN) | 5358.241 | 7778.571 | 7784.615 | 1.427 | 23.056 | 5.171 | 9.750 | 9.449 | 5.036 | 3.765 | 3.7653 | 6.262 | 2.952 | | | | | | | | | | | | | | | | | | |
| 24 | Adrian Seeman (AUS) | 7481.318 | 8182.653 | 5964.835 | 8.806 | 26.758 | 5.172 | 0.461 | 2.759 | 4.165 | 7.988 | 5.5873 | 2.759 | 7.612 | | | | | | | | | | | | | | | | | | |
| 25 | Curtis Taylor (USA) | 5155.043 | 8485.714 | 6975.824 | 7.581 | 1.966 | 4.652 | 0.065 | 4.730 | 3.061 | 1.038 | 1.1643 | 1.263 | 7.202 | | | | | | | | | | | | | | | | | | |
| 26 | Alan (Wez) Westley (GBR) | 4549.450 | 6565.326 | 6571.428 | 7.201 | 5.262 | 2.733 | 2.262 | 7.008 | 2.941 | 1.689 | 9.1412 | 7.903 | 9.932 | | | | | | | | | | | | | | | | | | |

Final results presented for signing and publication:

| | | | | | | | | | | | | | | | | | | | | | | |
|-------|----------|----------|----------|----------|----------|----------|----------|--------|--------|--------|-------|-------|-------|-------|--------|-------|--|--|--|--|--|--|
| 9.010 | 9192.857 | 6571.428 | 8182.653 | 44.107 | 7.8967 | 72.187 | 5.9215 | 50.569 | 5.2128 | 4.7032 | 2.399 | 5.882 | | | | | | | | | | |
| 2.307 | 8485.714 | 7784.615 | 2.636 | 35.203 | 8.0856 | 4.923 | 9.3338 | 7.822 | 2.2123 | 9.2292 | 6.798 | 1.112 | | | | | | | | | | |
| 1.428 | 7475.510 | 8189.010 | 5.948 | 84.990 | 0.0009 | 6.490 | 0.0006 | 0.294 | 9.329 | 4.9332 | 3.891 | 1.208 | | | | | | | | | | |
| 9.010 | 8687.755 | 8895.702 | 3.468 | 66.089 | 7.346 | 2.252 | 5.743 | 36.280 | 7.083 | 3.0142 | 3.781 | 1.55 | | | | | | | | | | |
| 1.428 | 6768.367 | 8189.010 | 8.805 | 45.078 | 3.3985 | 3.077 | 8.8122 | 0.092 | 3.221 | 8.6002 | 6.877 | | | | | | | | | | | |
| 9.010 | 9800.000 | 8895.702 | 5.713 | 49.981 | 1.058 | 81.032 | 1.313 | 4.809 | 8.723 | 3.0650 | 0.000 | | | | | | | | | | | |
| 1.318 | 8182.653 | 8189.010 | 2.981 | 24.467 | 7.246 | 36.759 | 5.9609 | 0.846 | 6.081 | 1.4482 | | | | | | | | | | | | |
| 9.010 | 2424.489 | 6065.931 | 9.433 | 42.987 | 7.290 | 56.059 | 4.182 | 6.605 | 5.0123 | 1.7252 | | | | | | | | | | | | |
| 3.626 | 9192.857 | 8189.010 | 5.493 | 40.976 | 5.1712 | 2.662 | 3.395 | 1.9790 | 9.580 | 9.5242 | 8.267 | | | | | | | | | | | |
| 1.428 | 8889.795 | 9100.000 | 1.223 | 42.977 | 7.269 | 59.080 | 9.202 | 7.275 | 4.023 | 3.5912 | 4.289 | 1.110 | | | | | | | | | | |
| 1.000 | 6565.326 | 9100.000 | 6.889 | 3.986 | 1.682 | 2.683 | 1.307 | 8.029 | 9.4682 | 5.632 | 8.572 | | | | | | | | | | | |
| 1.318 | 8182.653 | 5358.242 | 2.212 | 52.243 | 3.000 | 89.176 | 2.7450 | 0.083 | 8.888 | 8.1572 | 5.981 | 1.372 | | | | | | | | | | |
| 1.428 | 2424.489 | 2931.868 | 7.785 | 50.681 | 4.093 | 32.767 | 5.356 | 0.895 | 2.894 | 4.2332 | 3.195 | 1.212 | | | | | | | | | | |
| 1.824 | 6565.326 | 7784.615 | 6162.244 | 7784.615 | 6162.244 | 7784.615 | 6162.244 | 6.7651 | 2.480 | 7.973 | 7.680 | 0.440 | 4.181 | 7.329 | 0.5732 | 8.947 | | | | | | |
| 1.615 | 6162.244 | 8189.010 | 5.869 | 17.463 | 4.6230 | 3.356 | 3.390 | 4.281 | 1.758 | 1.5573 | 0.495 | 7.382 | | | | | | | | | | |
| 1.010 | 7475.510 | 7481.318 | 5.838 | 29.369 | 8.950 | 1.031 | 4.129 | 7.757 | 9.220 | 9.2292 | 9.887 | 7.152 | | | | | | | | | | |
| 1.835 | 6565.326 | 6773.626 | 4.787 | 49.660 | 9.012 | 4.553 | 3.870 | 6.883 | 3.320 | 7.6202 | 9.668 | 1.144 | | | | | | | | | | |
| 1.010 | 8687.755 | 4549.450 | 6.215 | 49.780 | 9.236 | 1.992 | 4.419 | 4.165 | 7.529 | 9.1232 | 6.529 | 1.762 | | | | | | | | | | |
| 1.010 | 6768.367 | 8492.307 | 9.684 | 49.183 | 5.810 | 7.864 | 8.939 | 3.383 | 3.083 | 2.486 | 7.223 | 3.787 | 3.432 | | | | | | | | | |
| 1.241 | 7778.571 | 7784.615 | 1.427 | 23.056 | 5.171 | 9.750 | 9.449 | 5.036 | 3.765 | 3.7653 | 6.262 | 2.952 | | | | | | | | | | |
| 1.318 | 8182.653 | 5964.835 | 8.806 | 26.758 | 5.172 | 0.461 | 2.759 | 4.165 | 7.988 | 5.5873 | 2.759 | 7.612 | | | | | | | | | | |
| 1.043 | 8485.714 | 6975.824 | 7.581 | 1.966 | 4.652 | 0.065 | 4.730 | 3.061 | 1.038 | 1.1643 | 1.263 | 7.202 | | | | | | | | | | |
| 450 | 6565.326 | 6571.428 | 7.201 | 5.262 | 2.733 | 2.262 | 7.008 | 2.941 | 1.689 | 9.1412 | 7.903 | 9.932 | | | | | | | | | | |

Printed: 2023/10/20 16:14

Validation:

Agnieszka Sobczynska

Other basic information

Country lists should be programmed, so Australia would not be part of European Championship.

Suggestion:

This should be done by default as countries do not change continents and their geographic position.