

F9 Drone Sport2023 Technical Meeting Minutes

Sunday 26th March 2023

Report by: Bruno Delor, F9 Subcommittee (S/C) Chairman

ATTENDEES: 31 participants from 19 countries

| First name + FAMILY NAME | Country | Title/Post |
|-----------------------------|---------|-----------------------------------------|
| Markus HAGGENEY | | FAI Secretary General |
| Bruno DELOR | | F9 S/C Chairman |
| Michaël GAROFALO | BEL | F9 S/C member |
| Sotir LAZARKOV | BUL | CIAM Delegate + F9 S/C member |
| Tomas BARTOVSKY | CZE | CIAM Delegate |
| Jose Manuel MARTINEZ-IBANEZ | ESP | F9 S/C member |
| Ari-Pekka REPO | FIN | F9 S/C member |
| Frédéric THEUREL | FRA | F9 S/C member |
| Romain VALTIER | FRA | Observer |
| Eric LI-KOO | GBR | F9 S/C member |
| Spiros PAPAGEORGIOU | GRE | F9 S/C member |
| Andy CHAU (+6 observers) | HKG | F9 S/C member |
| Peter BARSONY | HUN | F9 S/C member |
| Oscar CHINELLO | ITA | F9 S/C member |
| Shuhei KOMATSU | JPN | Observer |
| Miss Soon Cheon PARK | KOR | CIAM Alternate Delegate + F9 S/C member |
| Miss Mikyung YOO | KOR | Observer |
| Zilvinas TARVYDAS | LTU | Observer |
| Zdravko TODOROSKI | MKD | CIAM Delegate |
| Aleksandar NIKOV | MKD | F9 S/C member |
| Marlon CARAS | PHI | Observer |
| Yvette STEYN-CHURCHMAN | RSA | F9 S/C member |
| Marek DOMINIAK | POL | CIAM Delegate |
| Przemyslaw JAKUBCZAK | POL | F9 S/C member |
| David ROBERTS | USA | F9 Technical Expert |

Beginning of the meeting at 13:00 CET time.

The meeting had been recorded.

The pdf file of the slides presented during the meeting and the recording file of the meeting will be uploaded with the Minutes on the following CIAM Plenary Meeting 2023 webpage: <https://www.fai.org/page/ciam-plenary-2023>

After welcoming the participants, thanking the FAI Secretary General, Markus Haggeneay, to be present and the CIAM President, Antonis Papadopoulos, for his support to organise the meeting, the F9 S/C Chairman, Bruno Delor, presented slides covering the following items:

- Role of the Technical Meeting.
- Follow-up of the 2022 F9 Technical Meeting.
- F9 Drone Sport S/C.
- F9 S/C Basecamp projects
- FAI Sporting Code Volume F9 Drone Sport.
- FAI Sporting Code CIAM General Rules.

- F9U change from provisional to official class.
- The World Games (TWG).
- Drone Racing World Cup.
- 2023 World Drone Racing Championship (WDRC).

FAI SPORTING CODE VOLUME F9 DRONE SPORT (Slides 9 and 10)

Considering the provisional status of the F9A and F9U classes the content of the Volume F9 is not subject to Plenary Meeting approvals. So, it is possible to update at any time during the year under control of CIAM Bureau with possibility.

In that situation, the 2023 edition of the Volume F9 Drone including the rules' changes discussed within the S/C had been published end January with 1st February effective date after the S/C electronic vote made mid January 2023 on the main proposals for F9A and F9U classes.

It has been noted that there were no proposals submitted by NACs for the Agenda of the CIAM Plenary Meeting.

FAI SPORTING CODE CIAM GENERAL RULES (Slides 11 and 12)

There are on the 2023 CIAM Plenary Meeting Agenda two proposals for changes of CIAM general rules concerning directly Drone Sport. Those proposals, submitted by the CIAM Bureau, had been discussed during the Technical Meeting held Saturday March 11, 2023.

a) B.1.2.7 Category F9 - Drone Sport

CIAM Bureau

This category includes the following classes (provisional classes):

F9A - ~~RC~~ Drone Soccer

F9U - ~~RC Multi-rotor~~ Drone Racing

Reason: Change the names of these categories.

Proposal unanimously recommended by the CIAM General Rules Technical Meeting.

Based on the information given by the F9 S/C Chairman to explain this change, the F9 Technical Meeting unanimously recommends that rule change.

l) C.15.1 CIAM championship naming policy

CIAM Bureau

| All Elements of the main title are mandatory | | | | | | |
|----------------------------------------------|------------------|-----------------|---------------------------------|------------------------------|----------------------------|-----------------------------------------------|
| YEAR | FAI | CIAM CLASS CODE | DESIGNATION (where appropriate) | REGION | TYPE | CATEGORY |
| 2019 | FAI | F1ABC | Junior | World European Asian-Oceanic | Championship Championships | for Free Flight Model Aircraft |
| | | F1ABP | | | | for Indoor Model Aircraft |
| | | F1D | | | | for Free Flight Slope Soaring Gliders |
| | | F1E | | | | for Control Line Model Aircraft |
| | | F2 | | | | for Aerobatic Model Aircraft |
| | | F3A | | | | for Model Gliders |
| | | F3B | | | | for Model Helicopters |
| | | F3CN | | | | for Pylon Racing Model Aircraft |
| | | F3D/F3E | | | | for Model Gliders |
| | | F3F | | | | for Model Gliders |
| | | F3J | | | | for Model Gliders |
| | | F3K | | | | for Model Gliders |
| | | F3P | | | | for Indoor Aerobatic Model Aircraft |
| | | F4 | | | | for Scale Model Aircraft |
| | | F5B | | | | for Electric Model Gliders |
| | | F5J | | | | for Electric Powered Thermal Duration Gliders |
| | | F9U | | | | for Multi-rotor Drone Racing |
| S | for Space Models | | | | | |

Reason: F9U class is still a provisional class. S for Space Models makes no sense in the title.

Proposal unanimously recommended by the CIAM General Rules Technical Meeting.

Based on the information given by the F9 S/C Chairman to explain this change, the F9 Technical Meeting unanimously recommends that rule change.

F9U CHANGE FROM PROVISIONAL TO OFFICIAL CLASS (Slides 13 and 14)

A recommendation is expected from the F9 Technical Meeting regarding change of F9U from provisional to official class.

The class F9U (ex F3U) had been introduced in the FAI Sporting Code on 1st January 2016.

The requirements stated in CIAM General Rule A.9.1 to consider a provisional class for adoption as an official FAI class are fully satisfied.

CIAM General Rule C.14.1 states that there must be a minimum period of two years from the time the class becomes official before the class can be considered for a World and/or Continental Championship. But, the F9 S/C Chairman points that it will be possible to argue an exemption considering the history of the class and the Drone Racing World Cup numbers of events and participation from the first edition in 2016.

The F9 S/C Chairman reminds that, according to the CIAM General Rule A.9'CIAM General Rule A.9, only official classes may be considered for a World Championship status and the regulatory consequences to become an official class:

- Period of two years of no changes to model aircraft model specifications (CIAM General Rule A.10.2), while provisional classes are not subject to this two-year rule cycle.
- Each World Championship is held the year for which the rules are not changed (2-year cycle) with possibility to hold Continental Championships the other year (General Rule C.2.1.1), while actually a World Drone Racing Championship may be held every year.

After discussion and considering this topic had not been discussed until now within the F9 S/C, the Technical Meeting unanimously recommends to refer back to the F9 S/C for further consideration before to finalise a position.

2023 WDRC IN SOUTH-KOREA (Slides 20 to 22)

Regarding the FAI Drone Soccer Open International Cup which will be organised during the WDRC, KAMA mentions that two F9A-A drone balls (400 mm diameter) will be supplied for free (except shipping cost) to the NACs which will send a team to participate to that sub event.

Considering five drone balls minimum are necessary to equip a Drone Soccer team, KAMA will provide information how to get additional drone balls.

Regarding the e-Drone Racing competition, KAMA informs about its intent to organise it before the WDRC. Considering this competition will be based on the WDRC circuit, it has been pointed that it will be important to ensure a similar possibility to train on the simulation of the WDRC circuit for all the WDRC competitors, and so to avoid that those who will participate to the e-Drone Racing competition may be considered as taking an advantage from that for the WDRC.

Sotir Lazarkov, Chairman of the CIAM Drone Racing E-Sport Working Group, mentions that it will be possible for all the WDRC competitors to register to the e-Drone Racing competition and so participate to the qualification stage; in that situation, the issue arises only for the following stage which will concerns the 32 or 64 participants qualified.

The F9 S/C Chairman concludes that this will be discussed with KAMA in order to ensure equal conditions for all WDRC competitors to train on the simulator.

End of the meeting at 14:50 CET time.