

ANNUAL REPORT OF THE CIAM SPACE MODELS SUBCOMMITTEE ACTIVITY FOR 2020

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CIAM Space Models Subcommittee (SM SC) was composed of 24 members in 2020, all from different countries from four continents. SM SC convene on a regularly basis, if possible once a year at the current Space World or European Championships. In addition to that there was a very intensive email correspondence on different spacemodelling issues.

Due to the current World situation, the SM SC meeting was held in form of interactive meetings and email exchange. Those meetings were open to SM SC members and Working Group (WG) members consisting of tech. experts, judges, and outstanding sportsmen. Discussed have over 50 people from 18 countries. The topics were: **1.** Current status of SM by countries; **2.** SC4 Volume S - general Revision; **3.** Analysis of new proposals for the SM SC; **4.** Unification of Cat. 1 and 2 documents and Software for competition.

The most important sports, technical and organizational activities in 2020 were:

1) 1st World Space Modeling Virtual Open Meet 2020. This event was an open Worldwide competition managed by virtual means held in six classes – S4A (Boost-Glider Duration), S6A (Streamer Duration), S7(Scale), S8D (Rocket Glider Duration), S9A (Gyrocopter Duration) and S2P (Precision Fragile Payload competition). The competitors after registration were entitled to submit their scores either by timing the time in case of Duration classes, or by submitting flight videos like it was the case in S7 (Scale) and S8 (Rocket Glider duration and precision landing). A total of 139 competitors from 4 countries and 3 continents were registered. Where possible, people used their national championships to register for the meet. The meet has shown interesting possibilities not only as a training session, but also as possibility for training judges and range safety officers (RSO's) as S7 flights were judged based on sent data and video footage. Such meets also open possibilities to test new types of competitions for the future and thus test proposals.

2) Through the year, two Open International competitions were held. One was the Arizona Cup, organized in the USA as part of the World Cup start of February. Except for the “traditional” World Cup classes, there was a competition in S2P, which is a popular class in the USA.

The second one was the Open International Sirmium Cup 2020, held in Serbia on 3rd October 2020. Here a new type of competition – named “SM” class was held. This was a combination of the current S12 class (Duration Triathlon) with an elimination phase in each round. The results are still discussed as they are showing new possibilities for Space Duration events.

3) SM SC had also a very intensive activity in a complete revision of the SM rules for current proposals. At the Subcommittee meetings held electronically, new ideas and proposals were discussed. As discussed from the past - the main aim is to make models more attractive and visible to wider public and media. The wider usage of electronic devices is more intense in the future as it could ease many procedures which are currently in use.

4) The current Working Groups (WGs) in 8 fields (altitude models, time-duration, rocket-glidern, scale, motors, safety, logistics and new classes) were expanded by two new WGs - Software at competitions and Education. Their main goal is to analyze the current Sporting Code and new proposals and if needed, set standardized requirements to manufacturers and organizers. Each WG consists of 5 members, the most experienced people on each field. The WGs were active with intense email communication between the members and the SM SC. The outputs from each WG will be widely discussed at the SM SC during the next period.

5) The need for education of competent judges and other competition officials is still present. As started last year, an international teaching program for all levels of education is in the process. For this purpose, the “Guide” program, which started for Scale judges last year at selected Cat.2 competitions showed first result and is expanded to other fields like Safety and Guidelines for competition logistics. A more intense training is planned for 2021 and later when competitions season on Cat 2. level starts.