



Report

Organization Scientifique et Internationale du Vol à Voile (OSTIV)
International Scientific and Technical Gliding Organisation
www.ostiv.org

Rolf Radespiel, President

International Gliding Commission
Plenary on 4-7 March 2021
Budapest

Braunschweig, February 2021

Report on the activities of OSTIV for the period 1 March 2020 to 1 March, 2021

1. Overview of OSTIV Board Operations

Extended Board of OSTIV:

President: Prof. Dr. Ing. Rolf Radespiel, Germany

Vice-President: Prof. Dr. Mark Maughmer, USA

Members: Prof. Dr. Zafer Aslan, Turkey; Dr. Goetz Bramesfeld, Canada; Dipl.-Ing. Michael Greiner, Germany; Dr. Judah Milgram, USA; Richard Carlson, USA; Dr. Ing. Lukas Popelka, Czech Republic; Ir. Gerard Robertson, New Zealand.

The Journal "Technical Soaring (TS)" is an Online Journal, appearing quarterly. TS is downloaded from <http://journals.sfu.ca/ts/index.php/ts>. Chief Editor is Dr. Arne Seitz, Germany.

Note that the TS issues of the last 12 months are only accessible by login. This is a privilege of members only. Non-members can download TS from the 13th month after publishing.

The Board worked on means to improve the outreach of OSTIV. These are

- most of previous OSTIV publications are now digitized,
- free membership to students,
- establishing joint technical sessions sponsored by OSTIV and AIAA on sailplane research and technology, to be held annually as part of the AIAA Aviation Conference.

2. Panel meetings

The Sailplane Development Panel (SDP), chaired by Michael Greiner, had its last annual meeting on 10 and 11 October 2019 at the premises of EASA in Cologne, Germany. The meeting was attended by 25 engineers from 7 countries. Items discussed were:

- future cooperation opportunities between EASA and OSTIV
- proposed amendments of CS 22
- EASA General Aviation Roadmap
- Status of recently defined Basic Requirements for the 13.5m Class issued by OSTIV
- future revision of computing gust load factors
- recent research on fatigue
- low speed warning
- crashworthiness of sailplane fuselages

Address: OSTIV c/o TU Braunschweig,
Institute of Fluid Mechanics
Hermann Blenk Str. 37
D-38108 Braunschweig, Germany

Phone: +49 531 39194250
e-mail: president@ostiv.org

Bank: Deutsche Bank AG
D-38108 Braunschweig, Germany
Bic code: DEUTDE33
IBAN code: DE33 2707 0024 0345 8999 00



- OSTIVAS now available as digital versions.

SDP has set up a working group on electric propulsion that meets in conjunction with the SDP meetings. Interested persons can participate in that working group. Please approach Michael Greiner if you are interested.

Next SDP meeting will take place most likely in July 2021, jointly with the XXXV OSTIV Congress.

The Training and Safety Panel (TSP), chaired by Richard Carlson, met on 12-13 September 2019 at the premises of the Mid Atlantic Soaring Association, 100km north of Washington DC. Delegates were invited to participate in Flying Sessions of the TSP on 10-11 September. The TSP meeting discussed the following items:

- TSP has produced “Best Practices for Gliding - a Recommended Safety Guide”. The draft still needs a few revisions and will be published as soon as possible.
- Safety culture for contest flying.
- Training program for cross country flying.
- EASA statistics on incidents and accidents.
- European General Aviation Roadmap.

Date and place of the next TSP meeting will be announced by the Chair.

The Meteorological Panel (MP), chaired by Prof. Dr. Zafer Aslan, had its last meeting on 17 and 18 February 2021 online. Lectures on a variety of subjects were presented, that included the areas of weather forecasting, thermals, characterization of waves, fundamental studies, and future areas of cooperation within the Meteorological Panel.

3. Joint Safety Seminar of OSTIV and IGC

OSTIV has been in communications about the issue of safety in contests for quite some time. OSTIV had previously developed its initiative Safety Pays, but this had a quite limited impact on gliding championships under the responsibility of IGC.

Therefor OSTIV and IGC had agreed to disseminate modern methods of proactive safety management for gliding competitions towards IGC Board members, Contest Stewards, and NAC representatives, by offering a 10-hour seminar during the two days before the IGC Plenary at Budapest. The seminar took place as planned, and it was valuable and worth the effort. We had 12 participants from the countries Australia, Austria, Belgium, Finland, Germany, India, Italy, France, Danmark, South Africa, UK, USA, Austria. IGC Board members present were Brian Spreakley, Christoph Geissler, and several knowledgeable IGC Stewards as well as NAC representatives.

OSTIV member Alfred Ultsch served as the seminar coach. I think that the participants appreciated very much the insight into modern practices of safety measures that Alfred presented. The workshop ended with a brainstorming about priority projects that could be introduced by IGC and a sound assessment on how much training would be needed for competition participants and officials. It is now a decision to be made by IGC in how far their gliding competitions will adopt these practices. OSTIV looks forward to providing assistance and consulting for IGC on the way forward.

4. XXXV OSTIV Congress in Stendal, Germany

The XXXV Congress of the International Scientific and Technical Organisation for Gliding (OSTIV) was originally planned to be held at the site of the 36th FAI World Gliding Championships in the 18m-, 20m-, and Open Class, in Stendal-Borstel, Germany, from 19 - 24 July, 2020. Following the Call for Abstracts OSTIV had received around 40 presentation abstracts, well enough for continuous 4 days of Congress. Unfortunately, COVID-19 enforced a cease of preparations for the Championships and the Congress in April of 2020. OSTIV now plans to hold the Congress during July 2021, jointly with the postponed 36th WGC, if possible. If that is not possible for reasons of the health of all participants the Congress will be held online. The Congress period will be 18-23 July 2021. The Organizing Committee comprises

Rolf Radespiel, Braunschweig, Germany, r.radespiel@tu-bs.de
Britta Schlenker, Stuttgart, Germany, schlenkerb@gmail.com
Sieghard Geyhler, Stendal, Germany

OSTIV appreciates very much the active support by members of the local WGC Organising Committee in Stendal. The revised Call for Abstracts has been published online, see <https://ostiv.org/>

I would like to close this report by thanking all OSTIV members and friends for their continuous support.

Rolf Radespiel