

FAI/IGC E concept report to IGC Plenum 2019

Following the Plenum meeting of 2018 the E Concept working group was formed out of the previously named 13.5m working group. Some changes were made to the membership of the group, Stefano Ghiorgio resigned and the Angel Casado, Frouwke Kuijpers, Axel Reich, Paolo Guardigli and Luka Znidarsic were added to the group. (see below for full list)

First E concept contest.

The groups first priority was to find a suitable location and willing organiser capable of hosting the first E-Concept event. Several offers were made and the final choice was to hold the event at Pavullo in Italy at the same period as the 13.5m WGC as requested by the 2018 Plenum.

The event will be called "Pavullo E-Glide"

It was also decided that in future we should refer to E-Sailplanes (Electro Sailplanes) and E Soaring (Electro Soaring)

Scoring

A small group of specialists have offered to develop procedures for measuring energy used during flight and a scoring system for this event. The group consists of, Luka Znidarsic, from FES Erazem Polutnik from LX Nav and Andrej Kolar from Naviter.

They will work in conjunction with the group prior to and during the event to develop procedures and rules for scoring.

The rules are based on those submitted to the 2018 Plenum and include Elapsed time total scoring.

E-Sailplanes

Thanks to Luka a list was circulated showing the current population of E-Sailplanes which is a very useful guide to future E concept participation.

Electric Sustainers (not able to self-launch)

- 3x LAK17A FES, 15m or 18m (2 in Italy, 1 Austria)
- 1x LAK19 FES, 15m or 18m (Australia)
- 34x LAK17B FES, 18m (around half of them located in Europe)
- 15x HPH 304 ES, 18m (most of them located in UK)
- 30x Discus 2c FES, 18m (27 located in Europe, most of them in UK and Germany)
- 9x Ventus 2cxa FES, 18m (7 located in Europe)
- 10x Ventus 3 FES, 18m (6 located in Europe)

Others (not FES):

- 1x Diana 3, 18m (Poland)
- 1x ASG32 EL, 20m (twoseater)

Electric Self-launchers

- 1x APIS WR FES, 13m (recently FES equipped previously pure glider, Slovenia),
- 50x Silent 2 Electro (FES), 13,5m (22 located in Europe)
- 2x AS13,5m FES, 13,5m (both owned by Albastar, Slovenia)
- 13x MiniLAK FES, 13,5m (at least 4 in Europe)
- 2x Versvs FES (modified Diana 2), 13,5m or 15m (both in Italy)
- 1x AS15m FES, 15m (soon to be finished by Albastar, Slovenia)
- 2x APIS FES, 15m (both in UK), further production not planned
- 1x Diana 2 FES, 15m (Poland) in flight testing phase by AVIONIC factory
- 1x ASW27 FP X FES, 15m (USA)
- 1x LAK17C FES, 18m (Poland) in flight testing phase by SAirKo factory

Others (non FES):

- ?x AE-1 Silent, 12m, I heard about 10 were built, newer saw any
- ?x GP14 and GP15, 13,5 to 15m, I think only about 3 were built so far
- 1x Electro Libelle, 15m in flight testing phase by Streifeneder
- 2x Apis EA1 & EA2, 15m, both built by Roman Sušnik, he still owns second one, in Slovenia
- ?x Taurus Electro G2, 15m (twoseater), not sure how many exist, I guess about 3
- 3x Arcus E, 20m (twoseater)
- ?x Antares 20E (some Antares 23E), 20 or 23m, I heard about 70 were built
- 1x EB29 DElectro, 25,3m or 28.3m (twoseater) a

The E-Concept group members are.

Brian Spreckley Delegate for UK and first VP IGC.

Frouwke Kuijpers, the IGC delegate for Holland and bureau responsibility for the WAG liaison.

Angel Casado, The Spanish delegate and specialist in tracker and OGN technology.

Luka Znidarsic, Luka is the designer and constructor of the FES electric MOP.

Axel Reich, Axel has been delegate for Germany and is the agent for LAK in Germany.

Rick Sheppe, delegate USA and wizard at working out scoring issues.

Erazem Polutnik, software creator for LX Nav gliding instruments.

Rene Vidal, Delegate Chile and bureau member

Artur Rutkowski, Polish delegate.

Roland Stuck, Previous delegate for France and member of original 13.5m concept group.

Terry Cubley, Delegate Australia and bureau member

Vladimir Foltin, IGC secretary and professionally involved with EASA

Paolo Guardigli Deputy director of Pavullo E-Concept contest.