

### **3.S CLASS F1S SMALL ELECTRIC POWER MODEL AIRCRAFT “E36”**

#### **3.S.1 Definition**

Model aircraft which is powered by an electric motor(s) and in which lift is generated by aerodynamic forces acting on surfaces that remain fixed in flight except to dethermalise.

#### **3.S.2 Characteristic**

Nickel Cadmium (NiCad), Nickel Metal Hydrate (NiMH) and Lithium (Li) batteries can be used. Only 2 cell Lithium batteries or up to 6 cell Nickel cells can be used. Other battery related specifications in 3.Q.2 apply.

Rule B.3.1 of section 4b does not apply to the class. (Builder of the model).

Maximum duration of motor run..... 10 seconds during the regular flights.

Minimum weight..... 120 g

Maximum wing span..... 91.44 cm (36 inches)

#### **3.S.3 Number of flights**

- a) Each competitor is entitled to five official flights.
- b) See 3.Q.3.b.

#### **3.S.4 Definition of an official flight**

See 3.Q.4.

#### **3.S.5 Definition of an unsuccessful attempt**

See 3.Q.5.

#### **3.S.6 Repeat of an attempt**

See 3.Q.6

#### **3.S.7 Duration of flights**

The maximum duration shall be two minutes.

#### **3.S.8 Classification**

- a) See 3.Q.8.a
- b) In order to decide the individual placings when there is a tie, additional flights shall be made after the last flight of the event has been completed. The motor run will not exceed 5 seconds for all the deciding flights. The maximum time of flight for the first deciding flight shall be two minutes; increased by one minute for each subsequent flight.
- c) See 3.Q.8.c
- d) See 3.Q.8.d

#### **3.S.9 Timing**

- a) See Section 4b, para B.13.
- b) The timing of flights is limited to the durations specified in S.7 and S.8. The total flight time is taken from the launch of the model to the end of the flight.
- c) The motor run must be timed either in flight or statically before the flight with quartz controlled electronic stopwatches with digital readout, recording to at least 1/100 of a second, reduced to the nearest 1/10th of a second below. The battery can be replaced after a preflight verification.

#### **3.S.10 Number of helpers**

See 3.Q.10

#### **3.S.11 Launching**

See 3.Q.11