



1st EUROPEAN SAM RC CHAMPS – RULES

General Rules

Competitors must provide copies of original plans and/or photos approved by SAM Italia or other SAM Chapter.

Models may be weighed – in this case checking will be done in a closed area.

Before beginning the contest or during the contest models may be checked by Contest Director (CD).

CD will hold a briefing before beginning the contest. Landing area, start and finish times, fly-offs, etc. will be illustrated.

Landing area must be the largest possible according to flying field used. Landing out of said area will be considered an official flight with 0" flight time. If any part of the model is inside the landing area flight will be considered valid and official time granted.

If weather conditions are bad CD may exceptionally reduce number of flights from 3 to 2. Competitor has 5 minutes to take-off or, in any case, begin his official flight from the moment he is called by CD.

Time-keeper will start timing from the moment the model is released from hand or towline. Timing will continue for the entire flight until the model lands, hits an obstacle or is lost OOS and does not reappear within 10".

Wing area is calculated on flat platform.

Model must comply with presented documentation.

Non folding two bladed propellers made of wood, plastic or C/F props may be used.

Airfoil sections must be as original ones on plan.

Landing gear must be in the same position as original. Single wheel landing gear may be modified to dual wheel landing gear (but not vice versa).

It is permissible to scale any approved design up or down.

Models must have year, name of model or name of designer on their surface (wing or fuselage).

Fly-offs will have no time limitation or flight time may be determined by CD.

Fly-off may be repeated only in the following cases:

- a) engine over-run;
- b) Flight time less than 20";
- c) Collision of models in flight.

In case of very strong wind conditions (over 9 meters per second) flights will be stopped. Flights may be resumed when weather conditions change or resumed the day after if possible.

Proxy flights are not permitted. Only the competitor may use the radio transmitter (TX). Should others use the TX, timing will be immediately stopped.

Competitor will have 4 or 6 attempts at his disposal to carry out 3 official flights, but once has 3 official flights his contest is over.

Use of binoculars is admitted but not required.

Events

OTVR – Gliders

All gliders designed, kitted or plans published prior to Dec. 31 1950 are admitted.

Max. wing span 3.5 meters (138 inches).

Flight time (max) 5 minutes.

3 official flights, 6 attempts.

Towline max. length 100 meters or 20 meters of rubber and 80 meters of normal towline.

Max. extension cannot be over 170 meters.

OTMR – GAS MODELS – LER

All models designed, kitted or plans published prior to Dec. 31 1950.

Engines:

All engines produced prior to Dec. 31 1956 or Dec. 31 1959 if plain bearing.

Ignition engines (spark) using cam operated points, spark plugs, batteries and coil are admitted. Transistorized ignition systems are accepted.

Max. displacement 1.20 (20 cc.) if engine was produced prior to Dec. 31 1949; .65 (10.647 cc.)



if produced later.

Engine run time = 35".

Glow engines max displacement .65 (10.647 cc.).

Engine run time = 23".

Diesel engines max. displacement .65 (10.647 cc.).

Engine run time = 35" if produced prior to Dec. 31 1949.

Engine run time = 23" if produced later.

Glow engine converted to spark max. displacement .65 (10.647 cc.).

Engine run time = 28".

Models must ROG. If model is hand launched (with CD permission) the relative engine run time will be reduced by 2" (33"-21"-26").

Engine run time is max. permitted.

Flight with engine over-run time will be considered attempt and may be repeated.

Engines with schnuerle or PDP porting or ABC or AAC piston/liners are prohibited.

Supercharged or turbocharged (resonance or power pipes) are prohibited.

Approved repro engines are considered as original engines.

Models must weigh a minimum of 10 oz. Per square foot of planform wing area (30.5 gr. Per square decimeter).

Glow engine powered models must have a minimum of 225 sq.in. of wing area per .1 cubic inch of engine displacement (8.85 sq.dm. per 1 cc.)

A flight of 40" will be considered official flight, if less than 40" competitor may repeat the flight at his request or flight may be aborted by competitor within the same time (40").

Flight time (max) 7 minutes – 3 official flights – 6 attempts.

NMR – Nostalgia

Any model designed, kitted or plan published prior to Dec. 31 1956 is admitted.

Any production cross scavenged glow or diesel engine up to .65 (10.647 cc.) or any ignition engine up to 1.20 (20 cc.) produced prior to Dec. 31 1960 is admitted.

Engine pressure is admitted.

Schnuerle, PDP porting or ABC – AAC piston/liner engines are prohibited.

Engine run time in all cases = 18".

Power loading of 100 oz. Per cu.in. of displacement (173 gr. per cc.).

Two wheels OK if single wheel on plan. Single wheel is not permitted if two wheels are shown on plan.

Flight time 5 minutes – 3 official flights – 6 attempts.

Model must ROG but may be hand launched with CD decision.

Texaco

Any model designed, kitted or plans published prior to Dec. 31 1950.

Model must weigh a minimum of 10 oz. per sq.ft. of planform wing area (30.5 gr.per sq.dm.)

Any engine, original or repro may be used.No production time limitation.

Max.displacement for glow and diesel engines .65 (10.647 cc.); for ignition engines 1.20 if produced prior to Dec. 31 1949 or .65 (10.647 cc.) if produced later.

No engine conversions are permitted.

Fuel allotment : 2 cc. of fuel for every 400 gr. of model weight (2 cc. for every 14.1 oz.)

The measured weight of model is rounded off to nearest 400 gr. multiple.

Weight of model in gr.

Up to 600 2 cc.

From 601 to 1000 4

1001 1400 6

1401 1800 8

1801 2200 10

2201 2600 12

2601 3000 14

3001 3400 16

3401 3800 18



3801 4200 20
4201 4600 22
4601 5000 24

The fuel tanks, of the max. capacity allowed according to weight of model, must be in a position which can be easily verified (if transparent).

If the fuel tank is not transparent the same must be emptied and then filled with a previously measured amount of fuel.

Engine may be run before launching but, in this case, the tank must be emptied and refilled with a measured amount of fuel. This is not necessary if exact capacity of tank has been officially checked in advance and found of max. capacity admitted.

Flight time (max) 15 minutes – 3 official flights – 4 attempts – sum of two best times determine the score.

Models must ROG and flight may be repeated if flight time is less than one minute.

Competitor may abort the flight any time within the first minute.

Flight less than one minute or aborted will be considered attempt.

1/2A Texaco

Any model designed, kitted or plan published prior to Dec. 31 1950.

Models must weigh a minimum of 24.4 gr. per sq.dm. (8 oz. per sq.foot) of planform wing area.

Engine: any Cox reed valve engine with 5.1 cc. tank.

Propeller: any non-folding prop of 8" diameter or less.

Fuel: any fuel not containing gasoline (petrol).

Flight time (max) 10 minutes – 3 official flights – 4 attempts – sum of the two best flights determine the score.

The model must ROG from hard surface but may be hand launched from grass covered areas with CD permission.

1/2 Electric O.T.

Models as per 1/2A Texaco.

Rules as per 1/2A Texaco but models must weigh a minimum of 10 oz. per sq.foot (30.5 gr. per sq.dm.) of planform wing area.

Motor: Speed 400 (ferrite) permanent magnet with no ball bearings and as produced (no tuning is permitted).

Motor must drive the propeller directly – no speed reduction drive is permitted.

A 7 cell Ni-cad rechargeable pack with manufacturers marked maximum capacity of 500 Mah is allowed.

Packs without producers marked rating are not permitted.

Power flow from batteries to motor may be controlled only by BEC or On/Off systems.

Packs may be charged between flights.

Propeller: any non-folding prop may be used. Metal props are not permitted.

Electric Old Timer

Any model designed, kitted or plan published prior to Dec. 31 1950.

Models must weigh a minimum of 24.4 gr.per sq.dm. (8 oz. per sq.ft.) of planform wing area.

A 7 cell Ni-cad rechargeable pack with manufacturers marked capacity of 800 Mah.

Motor: Any permanent magnet motor which runs on 7 cells.

Motor may drive the propeller directly or through a speed reduction drive.

Motor run time = 90"

Flight time (max) 10 minutes – 3 official flights – 4 attempts – sum of two best flights.