

Current Rules (2017)

In 1987, the following rules appeared and were effective with the 1987 contest season and have not been changed to this date. These rules constitute the current official rules for the Pee Wee 30 event:

1.0 Model description and configuration

1.1 No part of the model shall exceed 30 inches when it is in the assembled condition. This limit includes all hardware, such as spinners, hooks, tip plates, etc. although a dethermalizer fuse may extend outside the 30 inch limit.

1.2 Power Source:

The model shall be powered by a single Cox Pee Wee .020 reed valve engine. Any fuel permitted by AMA rules may be used.

1.3 Landing Gear:

The model must be equipped with a fixed two wheel landing gear which shall be capable of supporting the model unassisted for at least 30 seconds in the takeoff position. The wheels shall be no less than one inch in diameter.

1.4. Materials and type of construction:

The model may be constructed of any material or combination of materials without restriction. Stick and tissue, built up sheet and solid balsa models are permitted.

1.5. Minimum Weight:

The minimum weight of the model, assembled, ready-to-fly without fuel and fuse, shall be 100 grams (3,53 oz.)

1.6. Mechanical or Electronic Devices:

Engine run timers, V.I.T. devices, flappers, folders, autorudders, gear drive propellers, and similar performance enhancing devices are specifically prohibited. Mechanical or electronic dethermalizer timers may be used but must be of the single function type.

2.0 Timing of Flights

2.1 Official Flights:

An official flight occurs when the model remains in flight for 40 seconds or more. One official flight must ROG, all others, excluding flyoffs, may be hand launched.

2.2. Unofficial flights:

An unofficial flight occurs when the flight time is less than 40 seconds. In Pee Wee 30, flights of less than 40 seconds may be declared official at the option of the contestant. The contestant's decision must be made immediately and cannot be reversed later.

2.3. Number of Flights:

Each contestant shall be allowed a total of 6 attempts to make 3 official flights of over 40 seconds.

2.4. Engine Run:

The length of the engine run after the model is released for flight shall have no maximum limit; however, all engine runs of less than 15 seconds shall be recorded as 15 seconds for the purpose of flight scoring. A flight time shall be recorded in whole seconds with any fractional seconds dropped to the previous whole second (Example: 107.9 = 107 seconds).

3.0 Scoring of Flights:

Both engine run and flight times must be recorded by the timekeeper. Each official flight shall be given a score that is calculated by dividing the total flight time in seconds by the engine run in seconds and multiplying by a factor of 100 as follows: Total flight time/total engine runX100=Flight score.

Example 1: A perfect max score shall be 800 points as follows: 120 seconds (max)/15 seconds (engine run)x100 = 800#.

Example 2: 106 seconds/15 secondsx100=706#

Flight scores shall be calculated in whole points with any fractional points dropped.

3.1 Flyoff Flights:

When the total score of three official flights equals the maximum possible of 2400#, the contestant may attempt additional flyoff flights to break a tie score. The engine run for flyoff flights shall be scored the same as the first three official flights. The maximum flight time shall be increased in 30 second increments until a non-perfect score is recorded. The contestant must maintain a perfect maximum flight time/minimum engine run string to continue. All flyoff flights must ROG unassisted. All flyoff attempts are official flights regardless of the duration.

4.0 General

All general and Free Flight General rules from the latest issue of the official Model Aircraft Regulations (AMA Rules Book) shall be applicable unless specifically modified by these rules for Pee Wee 30.