



## F1 Unlimited V19-21.0

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**Scratch built or modified kit - experienced racers only.**

This is a proposed peak category.

**(1)Aircraft:** Scale representation of any full-size aircraft that were legal to qualify in either the Goodyear Trophy or Formula 1 races. Maximum wingspan of full size is 20 feet.

Scale: 35% with 2% variation (plus not minus) measured from the outside of the line on the three view. Gross variations will be subject to further scrutiny. Variations above 2% of a non-performance enhancing nature may be allowed upon individual application. Flying wires not required even if on prototype.

Documentation: Published three view from Goodyear and F1 Air Racing Volumes 1 and 2 by Robert S Hirsch and The Air Racer by Charles A Mendenhall. Other documentation subject to approval. Drawings containing incorrect dimensions not accepted.

Cockpit: Must have a clear windshield with a 1/3 scale pilot head and minimum three instruments on the panel.

Cowl: 300mm minimum width across the cheeks.

Undercarriage: Fixed, with scale spats if on prototype.

Wheels: Minimum diameter 98mm (4 inches) Minimum width 20mm.

Radio system: 2.4 GHZ, 1700mAh RX battery minimum. One servo per control surface Minimum torque rating of 4.5kgcm (69oz-in). Elevators cannot be joined to make them 1 surface.

**(2)Engine:** Maximum capacity 63cc, performance enhancing modifications are allowed. Due to the higher speed and RPM nature of this class, all engines must incorporate a separate fuel shut off as part of the TX engine switch and failsafe settings.

**(3)Fuel:** Any MAAA legal fuel.

**(4)Muffler:** Expansion muffler, canister or tuned pipe (majority hidden in cowl/fuselage).

**(5)Prop:** Any MAAA legal prop.