F5D is an international class ratified by FAI (Fédération Aéronautique Internationale) The World Air Sports Federation. This class involves racing Electric-powered model planes round a 400m triangular course for 10 laps. The model with the fastest time over a Number of heats is the winner. Up to 4 models are flown simultaneously at speeds of around 200 mph. The FAI F5D Rules can be viewed here.

FAI F5D is the international class for remote controlled electric powered pylon racing model aircraft.

These models race round a 400 meter triangular course at speeds close to 200mph for 10 laps. It now only takes the top pilots less than 60 seconds to complete the course which is as fast as our "wet" fueled relatives.

F5D is faster than F3D

Here's a short video from Wings and Wheels 2010.
The BMPRA were lucky enough to have a stand and some flying slots, so we put both an F5D and F3D model up at the same time to entertain the crowds.
I think that out of a dive F5D is significantly faster, but doing the short laps they were about the same, which if you consider how the tuned pipes and electric motors work makes some sense.

What do you need to race F5D?

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