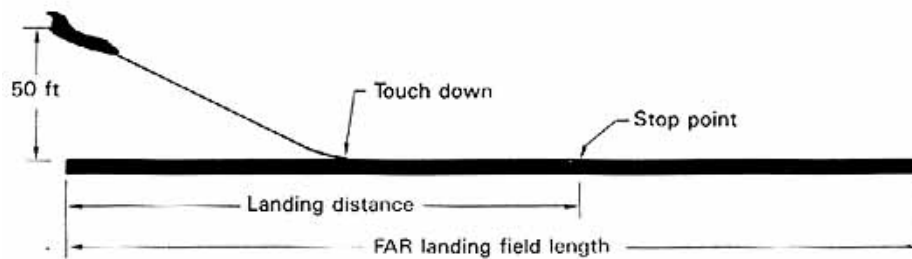


Landing Field Length

The landing field length is defined by the Federal Air Regulations for transport-category aircraft.

Briefly, the landing distance is measured, horizontally, from the point at which the aircraft is 50 feet above the surface, in steady gliding flight at an approach speed not less than 1.3 times the stalling speed, to the point at which the aircraft is brought to a complete stop on a hard, dry, smooth runway surface.

The FAR landing field length is obtained by dividing the measured landing distance by 0.6 in order to account for the possibility of variations in approach speed, touchdown point, and other deviations from standard procedures.



A sketch depicting the FAR landing field length is shown in figure H.1. The landing field length as defined in figure H.1 usually appears in specifications for transport aircraft designed to the criteria of FAR part 25