

§ 14.100 *Scope.* (a) The propeller shall not incorporate design features or details which experience has shown to be hazardous or unreliable. The suitability of all questionable design details or parts shall be established by tests.

(b) The design and construction provisions of this part shall be applicable to the propeller when it is installed, operated, and maintained in accordance with the instruction manual prescribed in § 14.21.

§ 14.101 *Materials.* The suitability and durability of all materials used in the propeller shall be established on a basis of experience or tests. All materials used in the propeller shall conform to approved specifications which will insure their having the strength and other properties assumed in the design data.

§ 14.102 *Durability.* All parts of the propeller shall be designed and constructed to minimize the development of an unsafe condition of the propeller between overhaul periods.