

in the applicable performance standard through its civil aviation authority.

(b) The letter of TSO design approval will be issued by the Administrator and must list any deviation granted to the manufacturer under §21.609.

(c) After the Administrator has issued a letter of TSO design approval and the country of manufacture issues a Certificate of Airworthiness for Export as specified in §21.502(a), the manufacturer shall be authorized to identify the appliance with the TSO marking requirements described in §21.607(d) and in the applicable TSO. Each appliance must be accompanied by a Certificate of Airworthiness for Export as specified in §21.502(a) issued by the country of manufacture.

§21.619 Noncompliance.

The Administrator may, upon notice, withdraw the TSO authorization or letter of TSO design approval of any manufacturer who identifies with a TSO marking an article not meeting the performance standards of the applicable TSO.

§21.621 Transferability and duration.

A TSO authorization or letter of TSO design approval issued under this part is not transferable and is effective until surrendered, withdrawn, or otherwise terminated by the Administrator.

PART 23—AIRWORTHINESS STANDARDS: NORMAL, UTILITY, ACROBATIC, AND COMMUTER CATEGORY AIRPLANES

SPECIAL FEDERAL AVIATION REGULATION NO.
23

Subpart A—General

Sec.

- 23.1 Applicability.
- 23.2 Special retroactive requirements.
- 23.3 Airplane categories.

Subpart B—Flight

GENERAL

- 23.21 Proof of compliance.
- 23.23 Load distribution limits.
- 23.25 Weight limits.
- 23.29 Empty weight and corresponding center of gravity.
- 23.31 Removable ballast.

- 23.33 Propeller speed and pitch limits.

PERFORMANCE

- 23.45 General.
- 23.49 Stalling period.
- 23.51 Takeoff speeds.
- 23.53 Takeoff performance.
- 23.55 Accelerate-stop distance.
- 23.57 Takeoff path.
- 23.59 Takeoff distance and takeoff run.
- 23.61 Takeoff flight path.
- 23.63 Climb: General.
- 23.65 Climb: All engines operating.
- 23.66 Takeoff climb: One-engine inoperative.
- 23.67 Climb: One engine inoperative.
- 23.69 Enroute climb/descent.
- 23.71 Glide: Single-engine airplanes.
- 23.73 Reference landing approach speed.
- 23.75 Landing distance.
- 23.77 Balked landing.

FLIGHT CHARACTERISTICS

- 23.141 General.

CONTROLLABILITY AND MANEUVERABILITY

- 23.143 General.
- 23.145 Longitudinal control.
- 23.147 Directional and lateral control.
- 23.149 Minimum control speed.
- 23.151 Acrobatic maneuvers.
- 23.153 Control during landings.
- 23.155 Elevator control force in maneuvers.
- 23.157 Rate of roll.

TRIM

- 23.161 Trim.

STABILITY

- 23.171 General.
- 23.173 Static longitudinal stability.
- 23.175 Demonstration of static longitudinal stability.
- 23.177 Static directional and lateral stability.
- 23.181 Dynamic stability.

STALLS

- 23.201 Wings level stall.
- 23.203 Turning flight and accelerated turning stalls.
- 23.207 Stall warning.

SPINNING

- 23.221 Spinning.

GROUND AND WATER HANDLING CHARACTERISTICS

- 23.231 Longitudinal stability and control.
- 23.233 Directional stability and control.
- 23.235 Operation on unpaved surfaces.
- 23.237 Operation on water.
- 23.239 Spray characteristics.

MISCELLANEOUS FLIGHT REQUIREMENTS

- 23.251 Vibration and buffeting.