

M-TS-0000400**Equivalent Safety Finding****Propeller Parking Brake CS-E 900****1. APPLICABILITY**

This ESF is applicable to turbine engines equipped with a propeller parking brake.

1.1 AFFECTED CS

CS-E 900 at Amendment 1.

2. STATEMENT OF EQUIVALENT SAFETY FINDING

In lieu of direct compliance with the CS-E 900, and provided that the below compensating factors are complied with, a representative rig test may be used instead of the engine endurance test specified by CS-E 900.

3. COMPENSATING FACTORS

- a) The applicant must perform a rig test that includes at least 100 operations of the propeller parking brake unit exposed to the same or higher loads as normally achieved when running an engine endurance test with the addition of propeller loads (wind, crosswind, inertia).
- b) All applied loads must be validated and include representative envelope of environmental conditions of parking brake operations.