

ATTACHMENT 32 Authorization for Ferry Flight with One Engine Inoperative

This attachment was established in accordance with Article 344 of this AOR proper and FAR Part 91.611.

1. The holder of an air carrier operating certificate may conduct a ferry flight of a four-engine aircraft or a turbine-engine-powered aircraft equipped with three engines, with one engine inoperative, to a base for the purpose of repairing that engine subject to the following:
 - 1.1 The aircraft model has been test flown and found satisfactory for safe flight in accordance with Item 2 or 3, as appropriate.
 - 1.2 The approved Flight Manual contains the following performance data and the flight is conducted in accordance with that data:
 - 1.2.1 Maximum weight.
 - 1.2.2 Center of gravity limits.
 - 1.2.3 Configuration of the inoperative propeller (if applicable).
 - 1.2.4 Runway length for takeoff (including temperature accountability).
 - 1.2.5 Altitude range.
 - 1.2.6 Certificate limitations.
 - 1.2.7 Ranges of operational limits.
 - 1.2.8 Performance information.
 - 1.2.9 Operating procedures.
 - 1.3 The operator has CAA approved procedures for the safe operation of the aircraft, including specific requirements for:
 - 1.3.1 Limiting the operating weight on any ferry flight to the minimum necessary for the flight plus the necessary reserve fuel load;
 - 1.3.2 A limitation that takeoffs shall be made from dry runways unless, based on a showing of actual operating takeoff techniques on wet runways with one engine inoperative, takeoffs with full controllability from wet runways have been approved for the specific model aircraft and included in the Flight Manual.
 - 1.3.3 Operations from airports where the runways may require a takeoff or approach over populated areas.
 - 1.3.4 Inspection procedures for determining the operating condition of the operative engines.
 - 1.4 No person may take off an aircraft under this section if:
 - 1.4.1 The initial climb is over thickly populated areas.
 - 1.4.2 Weather conditions at the takeoff or destination airport are less than those required for VFR flight.
 - 1.5 Persons other than required flight crewmembers shall not be carried during the flight.
 - 1.6 No person may use a flight crewmember for flight under this section unless that crewmember is thoroughly familiar with the operating procedures for one-engine inoperative ferry flight

contained in the certificate holder's manual and the limitations and performance information in the Aircraft Flight Manual.

2. The aircraft performance of a reciprocating-engine with one engine inoperative shall be determined by flight test as follows:
 - 2.1 A speed not less than 1.3 V_{S1} shall be chosen at which the aircraft may be controlled satisfactorily in a climb with the critical engine inoperative (with its propeller removed or in a configuration desired by the operator and with all other engines operating at the maximum power determined in Item 2.2.3.
 - 2.2 The distance required to accelerate to the speed listed in Item 2.1 and to climb to 50 feet shall be determined with:
 - 2.2.1 The landing gear extended.
 - 2.2.2 The critical engine inoperative and its propeller removed or in a configuration desired by the operator.
 - 2.2.3 The other engines operating at not more than maximum power established under Item 2.3.

The takeoff, flight and landing procedures, such as the approximate trim settings, method of power application, maximum power, and speed shall be established.