



1: Flying Operations Approval of Extended Range Operations by Twin-Engine Aircraft

Applicant Aircraft Type & Model

General Requirements

1. Calculation of distance covered during approved extended range time period is reasonable and is based on *Flight Manual* data and drift down procedures and established single-engine level flight procedures are published in the *Operations Manual* Yes No

2. **Operations Manual:**
 - Specifies nominated single-engine cruise speed, drift-down speeds, and distance covered during requested extended range time Yes No
 - Procedures for drift down and establishment of single-engine cruise are included in manual Yes No

- CAO 20.7.1B App I
 - Special weather minima for EROP as given in Appendix I to CAO 20.7.1B is explained in the manual..... Yes No
 - Information on adequate aerodromes Yes No
 - EROP flight planning Yes No
 - Policy on diversion in the event of engine or other major system failure Yes No

3. **MEL**— an appropriate EROP MEL has been approved. Yes No

4. **Performance Data**

Data on single-engine performance giving fuel flow and TAS under various atmospheric conditions and power settings are available for the following phases of flight

 - Drift down..... Yes No
 - Cruise altitude, including 10,000 ft..... Yes No
 - Altitude capability..... Yes No
 - Holding Yes No
 - Missed approach Yes No

5. **Operational Control**

- Operator can provide operational control including flight following of EROP flights and communications with aircraft..... Yes No

6. **Flight Planning**

- System provided for additional pre-flight information for EROPS flights..... Yes No
- System considers special weather minima requirements for availability of adequate aerodromes..... Yes No
- Fuel planning allows for diversion from the most critical point with the most critical failure Yes No

7 **Adequate Aerodromes**

- System in place for selection of suitable adequate aerodromes..... Yes No
- System in place for surveillance of adequate aerodromes.... Yes No
- System to ensure CASA approval..... Yes No

8. **Pilot Training and Checking Covers**

- Concepts of engineering reliability Yes No
- Adequate aerodrome standards Yes No
- ETOP flight planning and special met requirements..... Yes No
- MEL requirements for ETOP..... Yes No
- Diversion decision making..... Yes No
- Non-normal flight procedures Yes No

75 Minute Approval (Additional Items)

- Airworthiness approval (see Airworthiness checklist) Yes No
- Mature Operator Yes No
- Benign area of operation if aircraft does not hold ETOP Type Design Approval. Yes No

More than 75 Minutes - Less than 120 Minutes Approval (Additional Items)

- 12 months experience in operating nominated engine/airframe combination..... Yes No
- Validation flight satisfactory..... Yes No
- Airworthiness approval (see Airworthiness checklist) Yes No

More than 120 Minutes - Less than 180 Minutes Approval (Additional Items)

- 12 months experience in EROP with nominated engine/airframe combination..... Yes No
- Validation flight successful..... Yes No
- Weather forecast reliability monitored by the operator Yes No
- “Flight following” cell established to monitor weather forecasts and NOTAM for nominated adequate aerodromes Yes No
- Additional crew training covering operation under system failure conditions, contingency procedures and diversion decision making..... Yes No
- Airworthiness Approval (see Airworthiness checklist) Yes No

Instrument of Approval

- Nominates approved extended time period..... Yes No
- Nominates approved area of operation..... Yes No
- Nominates approved engine/airframe combination and aircraft model Yes No
- Nominates approved adequate aerodromes that are not normal destination or alternates Yes No

Signed **Printed Name**
Flying Operations Inspector

Date

2: Airworthiness Approval of Extended Range Operations by Twin-Engine Aircraft

Applicant **Aircraft Type & Model**

CAO 20.7.1B Are the additional airworthiness requirements of CAO 20.7.1B met for each aircraft. Yes No

AD/GEN/69 Are the additional airworthiness requirements of AD/GEN/69 met for each aircraft including:

- Type design approval?..... Yes No
- In-service experience? Yes No
- *Flight Manual* amendment?..... Yes No
- Additional maintenance? Yes No
- Airworthiness flight dispatch? Yes No
- Reliability monitoring? Yes No

Signed **Printed Name**
Airworthiness Inspector

Date