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## EXTENSION OF TIME BETWEEN OVERHAUL INTERVALS

### 1.0 PURPOSE

- 1.1 This Advisory Circular (AC) is issued to provide information on the procedure and conditions under which an aircraft operator may request a Time Between Overhaul (TBO) extension for components or systems installed on an aircraft.
- 1.2 Applies to all operators seeking approval from KCAA for one-time TBO extensions for aircraft components/systems, including engines, landing gear, and other time-limited parts.

### 2.0 REFERENCES

- 2.1 Regulations 21(1)(a) of the Civil Aviation (Airworthiness) Regulations, 2018.

### 3.0 GUIDANCE AND PROCEDURES

- 3.1 Operators are not permitted to extend TBO intervals without prior approval from the Authority.
- 3.2 The Authority will only consider extension requests that are accompanied by a formal supporting statement from the relevant aircraft or component manufacturer. TBO extensions are exceptional and must not be viewed as a cost-saving measure or a remedy for inadequate maintenance planning. The final decision rests solely with the Authority, irrespective of manufacturer endorsement.

## 4.0 APPLICATION FOR TBO EXTENSION

4.1 Operators are required to submit their TBO extension requests through an application letter at least 30 days before the scheduled overhaul date. Each application must be accompanied by the following;

### 4.1.1 Component Details

4.1.1.1 Make and model of the component.

4.1.1.2 Part number and serial number.

4.1.1.3 Accumulated and remaining operational hours/cycles or calendar time.

### 4.1.2 Condition and Technical Status

4.1.2.1 Technical justification for why the overhaul cannot be completed as scheduled e.g. Awaiting manufacturer support/ back orders, overhaul facility capacity limits etc.

4.1.2.2 Reliability program statement/statistics supporting continued safe operation. E.g. Trent analysis, failure rate, performance statistics etc.

4.1.2.3 Maintenance history of the component and any previous TBO extensions granted

4.1.2.4 Letter of support from the aircraft/component manufacturer.

4.1.2.5 Safety risk assessment.

## 5.0 GRANTING OF TBO EXTENSION

5.1 The Authority will assess the application, and if it meets the stipulated requirements, a one-time extension approval will be granted.

5.2 If the application does not fulfill the requirements, a letter detailing the specific deficiencies will be provided to the applicant.

## 6.0 MONITORING AND OVERSIGHT

6.1 The operator is required to monitor the performance and condition of components under TBO extension.

6.2 Repeat requests will be evaluated against previous usage trends and justifications.



Civil Aviation Authority