



# Time Between Overhaul (TBO) extension of an Aircraft Piston Engine or a Piston Engine Propeller

CASR Part 39 or CAR 42ZR

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### Download this form before you begin

Please download and complete with Adobe Acrobat. If you're using a browser to complete this form you may lose your information. Send this form and any attachments to [regservices@casa.gov.au](mailto:regservices@casa.gov.au).

## Purpose of this form

Use this form to apply for a TBO extension of an Aircraft Engine or Propeller, maintained under the *Civil Aviation Regulations (CAR)*.

When this form is used, Alternative Means of Compliance / exclusion from Airworthiness Directive or exclusion from Part 90 provision form does not need to be submitted.

Application for an aircraft where the Continuing Airworthiness is managed under *CASR Part 42* should be made on form 42-02.

## Who is this form for?

This form is for the registered operator of the aircraft or nominated agent. If the person making the application is not the registered operator, the application must be accompanied by a letter demonstrating the applicant has the authority of the registered operator.

## Information needed to complete this form

You will need to support this application with technical information and associated supporting documentation to demonstrate why a TBO extension is appropriate. A No Technical Objection (NTO) letter from the aircraft manufacturer/ State of design National Airworthiness Authority (NAA) may assist with any application. Ref AWB 00-024 for CASA NTO policy.

The aircraft logbook statement will identify the aircraft maintenance schedule.

### Application Guidance

CASA Policy and procedure provides guidance to the inspectors regarding circumstances where a TBO extension of an aircraft piston engine or a Piston Engine propeller can be considered. Applications outside of these guidelines will require significant justification without which they are unlikely to be supported by CASA. Prior to applying, the applicant should consider the following situations:

- Engines or Propellers that have reached the operating time (Hours) TBO limitation as well as the calendar (years) TBO limitation will not be considered for an extension, i.e. one of the manufacturers recommended limitations must always be applied.
- Engines or Propellers where the TBO calendar period is reached for a second time prior to reaching the TBO hour's threshold will not be considered for an extension.

c) Engines or Propellers that are of an obsolescent or non-supported type for which the manufacturer's maintenance data is not available or is deficient will not be considered for an extension.

d) Engines or Propellers where the manufacturer recommends a reduced overhaul period for a particular type of operation, or particular service instruction/modification configuration will not be considered for an extension. This includes:

i) A propeller that has been, operated on agricultural aircraft conducting aerial application or firefighting activities using chemicals retardants, gels or foam or a military aircraft for all or part of its life since new, or last overhaul.

ii) Acrobatic (aerobatic) Installations - Once a propeller is used on an aerobatic aircraft, the specified overhaul times for an aerobatic propeller are to be maintained until overhaul is performed, even if the propeller is later installed on a non-aerobatic aircraft.

This includes any operation of a kind where flight manoeuvres may induce high stress loads.

## Aviation Reference Number (ARN)

An ARN is required to complete this form. If you do not have an ARN, [apply now](#).

If you are applying on behalf of an organisation, you will need to have authority to act on the entity's (applicant's) behalf and be able to provide the organisation's ARN.

## Contact details

It is important the contact details on the ARN profile are current. CASA uses these contact details when processing this application.

If your address, contact or other details have changed, you must update them prior to lodging this form. You can do this by [changing your details](#) on the CASA website.

Failure to provide up to date contact details to CASA could result in additional fees being charged under the *Civil Aviation (Fees) Regulations 1995* and may constitute a criminal offence.

## For more information

Go to the [CASA website](#) or [contact us](#).

## Applicant

### 1 What are the **Registered Operator** details?

If your address, contact or other details have changed, you must update them using [changing your details](#).

Legal entity/full name

ARN

Phone number

Email address

### 2 Are you the **primary contact person** for this application?

**No** → [Go to 3](#)

**Yes** → [Go to 4](#)

## Contact person

### 3 What are the **contact person** details?

Contact details will be used for this application only, including any questions and/or fee estimates.

Full name

Position (Agent, Secretary)

Phone number

Email address

### 4 What maintenance schedule is the aircraft maintained to? (Select one)

CAR 42B CASA Maintenance Schedule  
This is an application for an AMOC / Exclusion from an AD CASR Part 39

→ [Go to 5](#)

CAR 39 or CAR 42C Approved System of Maintenance.

This is an application for variation of requirements (CAR 42ZR).

→ [Go to 6](#)

CAR 42A Manufacturers Maintenance Schedule

This is an application for variation of requirements (CAR 42ZR).

→ [Go to 6](#)

### 5 What AD does this application apply to?

AD/ENG/4 Amdt 11

AD/Prop/1 Amdt 2

Other

If other please specify

### 6 Is the engine / propeller compliant with all applicable Airworthiness Directives ?

**No** → [Go to 7](#)

**Yes** → [Go to 8](#)

### 7 List the non compliant Airworthiness Directives

**8** Does the engine/propeller have any conflicting components or accessory STC or modification?

**No**

**Yes** If yes, provide details

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## Aircraft details

**9** What are the **aircraft registration** details?

Registration mark (VH-)

Manufacturer

Model

Serial number

 Provide additional pages if required

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## Engine / Propeller details

**10** What are the Aeronautical Product details?

Name

Manufacturer

Type/model

Serial number

Engine/Propeller position number (e.g. Left / Right)

**11** What is the reason for this application?

Provide justification and attach supporting documents requested in the applicant checklist.

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**12** Has the type certificate holder provided a technical justification for this alternate method?

**No**

**Yes** Attach a copy

 Provide a copy if required

## Application checklist

### 13 Please provide the following documentation where relevant:

Documentation that demonstrates the aircraft manufacturers AND engine/ propeller manufacturers published TBO requirement.

Aircraft logbook statement.

Engine/ Propeller Logbook and aircraft maintenance release documentation for the last 3 years of operation.

Bulk strip inspection results and release documentation.

Detail of any significant defects, accidents or events for the particular engine/ propeller.

Details of engine/ propeller operational history and utilisation.

The engine/ propeller's forecasted utilisation during the TBO extension period

Primary aircraft location and parking conditions.

Engine/ propeller components maintenance history including the replacement of any major components, service literature and applicable STC, repair or modification information.

If the application is for a dual engine/ propeller, provide the history of the opposite engine/propeller.

Engine/ Propeller TSN and last overhaul details.

Current Engine/ Propeller hours, Total or TSO.

#### Additional Engine Specific documents where relevant:

Results of previous engine performance runs.

Results of previous cylinder leak checks.

Data of the engine's oil change frequency.

Results of engine oil uplift.

Results of previous engine oil filter inspections.

Engine preservation methods.

#### Additional Propeller Specific documents where relevant:

Results of previous feathering functional checks.

Results of previous blade static track checks.

Records of propeller lubrication and intervals.

*This area has been intentionally left blank*

## 14 I declare:

- All statements in this application are true and correct.
- I acknowledge by providing my details below and submitting this application:
- This satisfies the requirement for me to sign this application.
  - I may commit an offence under the *Criminal Code Act 1995* if I make a false or misleading statement in my application.
  - I have used my best efforts to identify all Commonwealth, state and territory environmental protection legislation that governs the aviation-related activities I will be engaging in under the authorisation for which I am applying. I recognise and understand these obligations and will endeavour in good faith to comply with the applicable requirements specified in that legislation.
  - We may also use your licensing information in deidentified form for aviation safety research/analysis.

### Privacy

Any personal information you provide to CASA, as part of this application, is protected by the *Privacy Act 1988*.

We will use the information provided to process this application and may also use it to conduct identity/security checks. Without your consent, we may not be able to process your application.

To meet our accountability obligations, we may disclose this information:

- to other government agencies or other national aviation authorities for certain purposes, and
- to comply with court orders and other legal requirements.

For more information about how we use, disclose and protect your personal information, see our [privacy statement](#) and [privacy policy](#).

### Fees

I acknowledge CASA will provide a fee estimate, which will be sent to the contact for this application.

I accept if this application is withdrawn or refused by CASA, or if CASA is unable to assess this application because I have failed to provide the required information and/or documentation, I am liable to pay CASA fees for work conducted.

- I declare and acknowledge the above matters.
- I consent to CASA using my licensing information and other personal information for the above purposes.
- I have read CASA's privacy policy and I authorise CASA to use and disclose the information it collects for this application in accordance with that policy.

Full name

Date (DD/MM/YYYY)

/ /

## Role authority

### 15 In what capacity are you making this declaration?

- Self
- Director
- Agent
- Executor
- Other, please specify:

An authority must be provided if the person making this declaration is **not** the individual or an office holder of the entity named in question 1.

 Provide authority

## Submitting this form to CASA



By email – send this form with all supporting documents attached to [regservices@casa.gov.au](mailto:regservices@casa.gov.au)