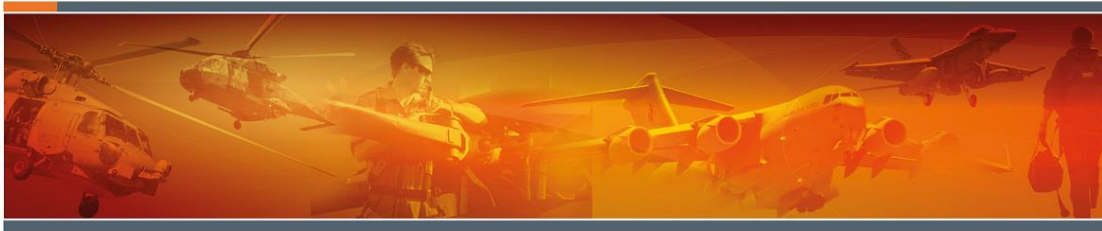


Defence Aviation Safety Authority



Defending Australia and its National Interests
www.defence.gov.au

PROPULSION SYSTEMS ENGINEERING (PROPSYSENG) COURSE

Course Code

200924

Course Duration

3.5 days

Course Content

DAY 1 (TAE, Bundamba)
Lesson 1 – Aircraft Gas Turbine Overview
Lesson 2 – Propulsion System Critical Parts
Lesson 3 – Setting Life Limits for Critical parts
DAY 2 (TAE, Bundamba)
Lesson 4 – Propulsion System Usage Monitoring
Lesson 5 – Defence Propulsion System Integrity Requirements
Lesson 6 – Propulsion System Certification under DASR
Lesson 6 – Propulsion System Certification under DASR (continued)
Lesson 7 – Managing Propulsion System Unsafe Conditions
Engine Test Cell Tour
DAY 3 (RAAF Amberley)
Lesson 8 – Managing Critical Part Life Reductions
Lesson 9 – Exercise – Unsafe Condition Management
Lesson 9 – Exercise – Unsafe Condition Management (continued)
Lesson 10 – Propulsion System Fleet & System Health Monitoring
DAY 4 (RAAF Amberley)
Lesson 10 – Propulsion System Fleet & System Health Monitoring (continued)
Examination
Engine Maintenance Workshop Tour and Borescope Demo
Examination recap and course Wrap-Up

Course Pre-Requisites

To be eligible to attend the course, applicants must be either Australian Defence Organisation (ADF/APS) personnel or Defence Contractor personnel, who are currently involved in (or planning to be involved in) ADF aero engine acquisitions and/or in-service management.

Target Audience

The course is aimed at tertiary qualified (TQ) engineers and suitably experienced non-TQ personnel involved in ADF and civil processes for certifying new aero engines, or ADF technical regulations pertaining to in-service aero engines.

No pre-requisite knowledge is required for this course. However, the course is highly technical and is aimed at aircraft engineers and technicians.

Sessions

- **Session 0038**
 - **Date:** 22 – 25 October 2024
 - **Location:** TAE Bundamba and RAAF Amberley
 - **Nomination Closing Date:** 19 September 2024

Cost

There is no cost involved for Australian Defence Force personnel and Australian Public Service employees.

Industry participants are required to pay a fee of **\$1850** (Inc. GST) per person. Industry participants are also required to complete the [DASA Training Contractor Billing Details form](#) contained in this link and submit it along with the training nomination form. Nominations by industry personnel **WILL NOT** be considered unless both forms are received by DASA Training.

Travel, meals and accommodation costs

For uniformed RAAF personnel ONLY: To offset unit costs, Central Training Funding may be utilised for travel. Central Funding codes are only to be used for travel between home units and the Training Establishment (that is, flights and surface travel to/from the airport). Once panelled, cost centre and account code details will be provided.

Central Funding codes are **not** to be used for accommodation or hire cars. Participants must arrange their own accommodation and transport. If off base accommodation or a hire car is required **this must be funded by the participants parent unit**. DASA will not fund this.

For all other ADO personnel and Defence contractors: The individual's parent unit/organisation is responsible for funding and organising travel, meals and accommodation to attend this course. This also applies when the individual is at the training location.

Catering: Due to distance from amenities the course cost covers catering for meals whilst at the TAE Bundamba facility. Further information will be provided and dietary requirements will be requested upon participant selection.

Please Note: Participants are advised to organise their own transportation whilst on course, as transport is not provided. Two days are conducted off-base and there is a considerable

distance between the messing facilities, accommodation and the training venues at RAAF Base Amberley Courses.

Special Requirements

Please notify DASA Training should you require assistance in attending the course, such as access, hearing, vision assistance, etc.

Nomination Form

Personnel are to nominate directly to DASA Training using webform [AE655](#).

If you are unable to nominate using the form above, please contact DASA Training.

Training Administration Contact

DASA.Training@defence.gov.au