



## WORKSHEET

# Worksheet B (OPS.03) PSEA continuing airworthiness assessment

| Applicant name |  | Applicant ARN |  | EAP case number |  | File reference |  |
|----------------|--|---------------|--|-----------------|--|----------------|--|
|----------------|--|---------------|--|-----------------|--|----------------|--|

## Instructions

1. All sections below should be completed by an airworthiness inspector (AWI).
2. If multiple aeroplanes are to be assessed, read 'airplane' as all the aeroplanes on the application, if they are the same type and modification status.
3. Unless otherwise stated, the legislation reference refers to the *Civil Aviation Safety Regulations 1998* (CASR).
4. The compliant column is used to record evidence that supports an assessment of *present* and *suitable* for the operation. Select a response from the drop down list. There are four available responses: **Yes** / **No** / **MI** (more information) / **N/A** (not applicable). Yes indicates that both present and suitable have been satisfied and the element is compliant with the rule.
5. For guidance on specific aspects of each question, refer to the respective section in the principle document as identified in the principle reference column.
6. The assessment summary must be completed by the AWI. By selecting satisfied or not satisfied, the AWI is taken to have signed the worksheet.
7. Where required, the approval data sheet must be completed by the AWI. Regservices will use this information to prepare approvals for the delegate.

## 2.1 Type compliance assessment

| Legislation reference  | Principle reference | Question   | Compliant? | Inspector comments |
|--|---------------------|--|------------|--------------------|
| 135.240(3)<br>138.020<br>MOS 135.8.03<br>MOS 138.7.03<br>CAO 100.5 App.2 | 2.1.2               | Has the aeroplane been assessed as eligible for PSEA operations? |            |                    |

## 2.2 Continuing airworthiness

| Legislation reference          | Principle reference | Question  | Compliant? | Inspector comments |
|--------------------------------|---------------------|---|------------|--------------------|
| 119.070(1)(f)<br>138.155(1)(k) | 2.2                 | Does the operator have appropriate arrangements in place for managing continuing airworthiness for PSEA aeroplanes?   |            |                    |
| 119.080(1)(h)<br>138.155(1)(k) | 2.2                 | If the operator is not the registered operator of the aeroplane, does the exposition/operations manual establish procedures to manage the continuing airworthiness? |            |                    |

## 2.3 Configuration management

| Legislation reference                             | Principle reference | Question  | Compliant? | Inspector comments |
|---|---------------------|---|------------|--------------------|
| 119.070(1)(f)<br>138.155(1)(k)<br>CAO 100.5 App.2 | 2.3                 | Does the exposition/operations manual include procedures to manage the configuration of eligible aeroplanes prior to PSEA operations? |            |                    |

## 2.4 Aeroplane systems and equipment

| Legislation reference               | Principle reference | Question   | Compliant? | Inspector comments |
|-------------------------------------|---------------------|--|------------|--------------------|
| 11.245<br>CAO 100.5 App.2<br>Part 1 | 2.4                 | Has the operator confirmed the aeroplane is fitted with the equipment and systems required for PSEA operations?                                    |            |                    |
| TSO-C64a<br>TSO-C103                | 2.4.1               | Is there an oxygen system with sufficient capacity if required?  |            |                    |
| 11.245<br>CAO 100.5 App.2<br>Part 1 | 2.4.2               | Is the aeroplane fitted with a suitable landing light?   |            |                    |
| 11.245<br>CAO 100.5 App.2<br>Part 1 | 2.4.3               | If available, do the AFM procedures include secondary means of engine fuel control, which bypasses the governing section of the fuel control unit? |            |                    |

| Legislation reference                             | Principle reference | Question  | Compliant? | Inspector comments |
|---|---------------------|---|------------|--------------------|
| 11.245<br>CAO 100.5 App.2<br>Part 1               | 2.4.4               | Is the aeroplane fitted with a suitable engine ignition system?   |            |                    |
| 11.245<br>CAO 100.5 App.2<br>Part 1               | 2.4.5               | Is the aeroplane fitted with a suitable engine compartment detection and inflight warning system?   |            |                    |
| 119.205(1)(h)<br>138.155(1)(h)<br>CAO 100.5 App.2 | 2.4.6               | For engine trend monitoring - does the operator have procedures in place to ensure the data is analysed, an engine status report is produced (if required), and adverse trends are reviewed and actioned? |            |                    |
| 119.205(1)(h)<br>138.155(1)(h)<br>CAO 100.5 App.2 | 2.4.6               | Does the operator have procedures to record and review oil consumption?   |            |                    |
| 11.245<br>CAO 100.5 App.2<br>Part 1               | 2.4.7               | Is the aeroplane fitted with a suitable engine oil metal detection system?  |            |                    |
| 11.245<br>CAO 100.5 App.2<br>Part 1               | 2.4.8               | Is the aeroplane fitted with a suitable alternative source of electrical power?   |            |                    |
| 11.245<br>CAO 100.5 App.2<br>Part 1               | 2.4.9               | Does the operator have a procedure to provide a revised ELA to ensure the aeroplane is still PSEA compliant?  |            |                    |

| Legislation reference               | Principle reference | Question  | Compliant? | Inspector comments |
|-------------------------------------|---------------------|---|------------|--------------------|
| 11.245<br>CAO 100.5 App.2<br>Part 1 | 2.4.9               | If the aircraft was modified, does the ELA permit PSEA?   |            |                    |
| 11.245<br>CAO 100.5 App.2<br>Part 1 | 2.4.10              | If manual electrical load shedding is required, does the approved AFM (or equivalent) provide the pilot with a procedure for shedding non-essential electrical systems? |            |                    |
| 11.245<br>CAO 100.5 App.2<br>Part 1 | 2.4.11              | Is the aeroplane fitted with suitable flight instruments?   |            |                    |
| 11.245<br>CAO 100.5 App.2<br>Part 1 | 2.4.12              | Is the aeroplane fitted with a suitable autopilot?  |            |                    |
| 11.245<br>CAO 100.5 App.2<br>Part 1 | 2.4.13              | Is the aeroplane fitted with a suitable GNSS?   |            |                    |
| 11.245<br>CAO 100.5 App.2<br>Part 1 | 2.4.14              | Is the aeroplane fitted with a suitable radar altimeter?  |            |                    |
| 11.245<br>CAO 100.5 App.2<br>Part 1 | 2.4.15              | Is the aeroplane fitted with a suitable weather radar?  |            |                    |

| Legislation reference                             | Principle reference | Question   | Compliant? | Inspector comments |
|---|---------------------|--|------------|--------------------|
| 119.205(1)(h)<br>138.155(1)(h)<br>CAO 100.5 App.2 | 2.4.16              | Each seat and shoulder harness must be approved for PSEA. If the operator changes seats to non-PSEA, is there a procedure to change a flight to a non-PSEA flight? |            |                    |

## 2.5 Maintenance program

| Legislation reference               | Principle reference | Question  | Compliant? | Inspector comments |
|-------------------------------------|---------------------|---|------------|--------------------|
| 11.245<br>CAO 100.5 App.2<br>Part 2 | 2.5.1<br>2.5.2      | Does the aeroplane have an approved SOM (for non-Part 42) or AMP (for Part 42) containing PSEA inspection requirements? |            |                    |

## 2.6 Reliability program

| Legislation reference     | Principle reference | Question   | Compliant? | Inspector comments |
|---------------------------|---------------------|--|------------|--------------------|
| 11.245<br>CAO 100.5 App.2 | 2.6                 | Does the operator have as a suitable approved reliability program? |            |                    |

| Legislation reference     | Principle reference | Question  | Compliant? | Inspector comments |
|---------------------------|---------------------|---|------------|--------------------|
| 11.245<br>CAO 100.5 App.2 | 2.6.1               | Is the reliability program event based?   |            |                    |
| 11.245<br>CAO 100.5 App.2 | 2.6.2               | Is statistical reliability analysis included?   |            |                    |
| 11.245<br>CAO 100.5 App.2 | 2.6.3               | Is historical reliability included?   |            |                    |
| 11.245<br>CAO 100.5 App.2 | 2.6.4               | Have appropriate performance standards been established for the various items or equipment covered by the program?  |            |                    |
| 11.245<br>CAO 100.5 App.2 | 2.6.5               | Does the program include basic information, including the name and address of the registered operator and the type, model, serial number and registration mark of aircraft controlled by the program? |            |                    |
| 11.245<br>CAO 100.5 App.2 | 2.6.5               | Does the program include a general description and layout of the program, including definitions of terms, acronyms and abbreviations?   |            |                    |
| 11.245<br>CAO 100.5 App.2 | 2.6.5               | Does the program include an organisation structure that contains a statement describing lines of authority and responsibility?  |            |                    |

| Legislation reference               | Principle reference | Question   | Compliant? | Inspector comments |
|-------------------------------------|---------------------|--|------------|--------------------|
| 11.245<br>CAO 100.5 App.2           | 2.6.5               | <b>Does the program provide performance standards for:</b>   |            |                    |
| 11.245<br>CAO 100.5 App.2           | 2.6.5               | engine in-flight shutdown (including power loss) rates for all causes on a 12-month rolling average?                         |            |                    |
| 11.245<br>CAO 100.5 App.2           | 2.6.5               | unscheduled engine removal rates on a 12-month rolling average?  |            |                    |
| 11.245<br>CAO 100.5 App.2<br>Part 1 | 2.6.5               | Is the process for the reporting significant events detailed for all items related to safe operation at night and/or in IMC? |            |                    |
| 11.245<br>CAO 100.5 App.2<br>Part 1 | 2.6.5               | Does the program include monitoring of the equipment identified in CAO 100.5, as required for PSEA operations?               |            |                    |
| 11.245<br>CAO 100.5 App.2<br>Part 1 | 2.6.5               | <b>Does the program describe the data collection system, including:</b>  |            |                    |
| 11.245<br>CAO 100.5 App.2<br>Part 1 | 2.6.5               | a. the sources of data?  |            |                    |
| 11.245<br>CAO 100.5 App.2<br>Part 1 | 2.6.5               | b. procedures for transmission and receiving data from each source?  |            |                    |



| Legislation reference               | Principle reference | Question   | Compliant? | Inspector comments |
|-------------------------------------|---------------------|--|------------|--------------------|
| 11.245<br>CAO 100.5 App.2<br>Part 1 | 2.6.5               | Does the program detail the review of performance standards?   |            |                    |
| 11.245<br>CAO 100.5 App.2<br>Part 1 | 2.6.5               | Does the program include a requirement for the immediate evaluation, by the operator, of any sustained adverse trend?                    |            |                    |
| 11.245<br>CAO 100.5 App.2<br>Part 1 | 2.6.5               | Does the program detail the actions to restore trends to an acceptable level?  |            |                    |
| 11.245<br>CAO 100.5 App.2<br>Part 1 | 2.6.5               | Does the program allow for the display of reliability information?   |            |                    |
| 11.245<br>CAO 100.5 App.2<br>Part 1 | 2.6.5               | Does the operator have a procedure to provide PSEA reliability reports to CASA quarterly, or as agreed as per paragraph 9 of AC 42-3(0)? |            |                    |
| 11.245<br>CAO 100.5 App.2<br>Part 1 | 2.6.5               | Does the operator have a parts control program?  |            |                    |
| 11.245<br>CAO 100.5 App.2<br>Part 1 | 2.6.5               | Does the program manage parts returned from repair or overhaul for the PSEA configuration (i.e. exchange items)?                         |            |                    |

| Legislation reference               | Principle reference | Question   | Compliant? | Inspector comments |
|-------------------------------------|---------------------|--|------------|--------------------|
| 11.245<br>CAO 100.5 App.2<br>Part 1 | 2.6.5               | Does the program manage parts pooling or borrowing for the PSEA configuration?                               |            |                    |
| 11.245<br>CAO 100.5 App.2<br>Part 1 | 2.6.6               | Does the operator pool their data?   |            |                    |
| 11.245<br>CAO 100.5 App.2<br>Part 1 | 2.6.6               | Is the pooled data for comparable aircraft configuration, utilisation, environment, and maintenance program? |            |                    |

## 2.7 Maintenance training

| Legislation reference               | Principle reference | Question   | Compliant? | Inspector comments |
|-------------------------------------|---------------------|--|------------|--------------------|
| 11.245<br>CAO 100.5 App.2<br>Part 2 | 2.7                 | Does the operator provide both initial and recurrent training for maintenance personnel, that includes the requirements of PSEA? |            |                    |

## 2.8 Minimum equipment list (MEL) requirements

| Legislation reference                          | Principle reference | Question   | Compliant? | Inspector comments |
|--|---------------------|--|------------|--------------------|
| 119.205(1)(k)<br>138.155(1)(k)<br>MOS 91.28.03 | 2.8                 | Does the operator's MEL provide details on the effect on PSEA operations in the event of a system failure? |            |                    |

# Assessment summary

| Applicant name | Applicant ARN | EAP case number | File reference |
|----------------|---------------|-----------------|----------------|
|                |               |                 |                |

This worksheet verifies the reliability requirements for the application for prescribed single-engine aeroplane (PSEA) operations, for the above-named applicant, has been assessed in accordance with the current revision of Protocol (OPS.03).

If an approval is required to support PSEA under regulation 135.240 and/or Chapter 7 of the Part 138 MOS, a significant change approval is required under subregulation 119.095(1) and/or subregulation 138.064(1). Approval of a significant change is completed on [Worksheet C \(OPS.03\) PSEA flight operations assessment](#).

| Inspector Name | Title | Date |
|----------------|-------|------|
|                |       |      |

## Assessment

The exposition/operations manual has been assessed to ensure procedures support PSEA under regulation 135.240 and/or Chapter 7 of the Part 138 MOS.

### Airworthiness inspector

- ☐ I am satisfied that the exposition/operations manual meets the requirements mentioned in the regulations (as applicable).
- ☐ I am not satisfied that the exposition/operations manual meets the requirements mentioned in the regulations (as applicable)

### Reason for recommendation

# Approval data sheet

|                |  |               |  |                 |  |                |  |
|----------------|--|---------------|--|-----------------|--|----------------|--|
| Applicant name |  | Applicant ARN |  | EAP case number |  | File reference |  |
|----------------|--|---------------|--|-----------------|--|----------------|--|

Tick the relevant boxes and insert details of the approvals required to support PSEA operations (if required) and associated conditions.

## ☐ System of maintenance

(1) For regulation 42(M) of the *Civil Aviation Regulations 1988* (CAR), the operator's system of maintenance can be approved.

(2) The approval under subsection (1) is subject to the following conditions (if required):

## ☐ Maintenance program

(1) For Subpart 42.J of the *Civil Aviation Safety Regulations 1998* (CASR), the operator's maintenance program can be approved.

(2) The approval under subsection (1) is subject to the following conditions (if required):

## ☐ Reliability program

(1) For Subpart 42.L of the *Civil Aviation Safety Regulations 1998* (CASR), the operator's reliability program can be approved.

(2) The approval under subsection (1) is subject to the following conditions (if required):