



Australian Government

MEA292 Remove and install advanced aircraft instrument system components

Release: 1

MEA292 Remove and install advanced aircraft instrument system components

Modification History

Release 1. Supersedes and equivalent to MEA205 Remove and install advanced aircraft instrument system components. Revised as a result of changed prerequisites. Unit codes updated.

Application

This unit of competency describes the skills and knowledge required to remove and install general instrument system components in the more advanced types of aircraft. It involves the application of hand skills and the use of maintenance documentation and publications when removing and installing aircraft system components. Work may be performed individually or as part of a team.

The unit applies to work on fixed and rotary wing aircraft during scheduled and unscheduled maintenance. It is used in workplaces that operate under the airworthiness regulatory systems of the Australian Defence Force (ADF) and the Civil Aviation Safety Authority (CASA).

This unit forms part of the CASA requirement for maintenance certification licences under Civil Aviation Safety Regulation (CASR) Part 66. Where a CASA licensing outcome is sought, users must refer to the licensing provisions in the MEA Aeroskills Companion Volume Implementation Guide.

Pre-requisite Unit

Nil.

Competency Field

Aviation maintenance

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1. Remove advanced aircraft instrument system components

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- 1.1 Render system safe and prepare for removal according to applicable maintenance manual
- 1.2 Fit isolation tags, where necessary, to ensure personnel safety

ELEMENTS**PERFORMANCE CRITERIA**

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| | 1.3 | Remove instrument component according to applicable maintenance manual and work health and safety (WHS) requirements |
| | 1.4 | Complete required maintenance documentation and process according to standard organisational procedures |
| | 1.5 | Tag and package removed components according to specified procedures |
| 2. Install advanced aircraft instrument system components | 2.1 | Check instrument components to be installed to confirm correct part numbers, modification status, serviceability, and shelf life |
| | 2.2 | Perform physical installation of instrument components according to maintenance manual and regulatory requirements, and carry out required adjustment and alignment |
| | 2.3 | Reinstate system to correct operational condition in preparation for testing, as necessary |
| 3. Finalise removal and installation documentation | 3.1 | Complete required maintenance documentation |
| | 3.2 | Process maintenance documentation according to organisational procedures |

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Release 1. Equivalent to MEA205 Remove and install advanced aircraft instrument system components.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=ce216c9c-04d5-4b3b-9bcf-4e81d0950371>