



Australian Government

MEA290 Fit avionics modification sheet metal components

Release: 2

MEA290 Fit avionic modification sheet metal components

Modification History

Release 2. Equivalent to MEA290 Fit avionic modification sheet metal components with amended prerequisite codes.

Application

This unit of competency requires application of hand skills and the use of maintenance publications and modification documentation to perform sheet metal work associated with avionic modifications being incorporated on small fixed and rotary wing aircraft during scheduled or unscheduled maintenance. Work may be performed individually or as part of a team.

This unit of competency is part of the Avionic Certificate IV (Aircraft Maintenance Stream) training pathway.

Where a Civil Aviation Safety Authority (CASA) licensing outcome is sought this unit forms part of the CASA requirement for the granting of the chosen maintenance certification licence under Civil Aviation Safety Regulation (CASR) Part 66, in accordance with the licensing provisions in the Companion Volume Implementation Guide.

Pre-requisite Unit

MEA107	Interpret and use aviation maintenance industry manuals and specifications
MEA154	Apply work health and safety practices in aviation maintenance
MEA155	Plan and organise aviation maintenance work activities
MEA156	Apply quality standards during aviation maintenance activities
MEA157	Complete aviation maintenance industry documentation
MEA158	Perform basic hand skills, standard trade practices and fundamentals in aviation maintenance

Competency Field

Aviation maintenance

Unit Sector

Elements and Performance Criteria

Elements describe the essential outcomes.

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

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|---|--|
| 1. Prepare to fit avionic modification sheet metal components | 1.1 Applicable sheet metal components are identified in accordance with applicable modification instructions and maintenance documentation

1.2 All required materials and equipment are selected and organised in accordance with the applicable modification instructions and maintenance documentation |
| 2. Fit avionic modification sheet metal components | 2.1 Sheet metal components are fitted in accordance with the modification instructions, ensuring that aircraft standard practices are used and standard process requirements are carried out while observing all relevant work health and safety (WHS) requirements, including the use of material safety data sheets (MSDS) and personal protective equipment (PPE)

2.2 Work area is cleaned of all waste material |
| 3. Complete modification activities | 3.1 Required documentation is accurately completed and correctly processed in accordance with enterprise procedures |

Foundation Skills

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

Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Sheet metal components include:

- Doublers for the installation of antennas
- Brackets for the installation of avionic system components
- Racks for components, such as transmitters/receivers

Procedures and requirements include:

- Hardware for the support of antenna cables and system electrical wiring
- Industry standard procedures specified by manufacturers, regulatory authorities or the enterprise

Unit Mapping Information

Release 2. Equivalent to MEA290 Fit avionic modification sheet metal components

Links

Companion Volume implementation guides are found in VETNet -

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