



**Australian Government**

# **MEA206 Remove and install aircraft basic radio communication and navigation system components**

**Release: 2**

# MEA206 Remove and install aircraft basic radio communication and navigation system components

## Modification History

Release 2. Equivalent to MEA206 Remove and install aircraft basic radio communication and navigation system components with amended prerequisite codes.

## Application

This unit of competency requires application of hand skills and the use of maintenance documentation/publications in the removal and installation of basic radio communication and navigation system components of fixed and rotary wing aircraft that have basic radio communication and navigation systems, during scheduled or unscheduled maintenance. Work may be performed individually or as part of a team.

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

The unit is used in workplaces that operate under the airworthiness regulatory systems of the Australian Defence Force (ADF) and the Civil Aviation safety Authority (CASA).

Where a 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

MEA201 Remove and install miscellaneous aircraft electrical hardware/components

## 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.

1. Remove basic radio communication and navigation system

1.1 System is rendered safe and prepared in accordance with the applicable maintenance manual and isolation tags are fitted, where necessary, to ensure personnel safety

- components
- 1.2 Communication and navigation system component removal is carried out in accordance with the applicable maintenance manual while observing all relevant work health and safety (WHS) requirements
  - 1.3 Required maintenance documentation is completed and processed in accordance with standard enterprise procedures
  - 1.4 Removed components are tagged and packaged in accordance with specified procedures
2. Install basic radio communication and navigation system components
- 2.1 Communication and navigation system components to be installed are checked to confirm correct part numbers, modification status, serviceability and shelf life
  - 2.2 Physical installation of components is performed in accordance with the applicable maintenance manual and regulatory requirements, ensuring appropriate adjustment/alignment is carried out
  - 2.3 System is reinstated to correct operational condition in preparation for testing, as necessary
  - 2.4 Required maintenance documentation is completed and processed in accordance with standard 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.

### Communication and navigation system components include:

- High frequency (HF) and very high frequency (VHF) communication and applicable antennas
- Automatic direction finding (ADF) and very high frequency omni-directional range (VOR) navigation and applicable antennas
- Emergency location transmitter (ELT)

**Procedures and requirements include:**

- Industry standard procedures specified by manufacturers, regulatory authorities or the enterprise

## **Unit Mapping Information**

Release 2. Equivalent to MEA206 Remove and install aircraft basic radio communication and navigation system components

## **Links**

Companion Volume implementation guides are found in VETNet -

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