



Australian Government

MEA288 Repair or overhaul aircraft audio and visual systems and reproducers

Release: 1

MEA288 Repair or overhaul aircraft audio and visual systems and reproducers

Modification History

Release 1 - New unit of competency

Application

This unit of competency requires application of hand skills and knowledge of component repair and overhaul procedures relating to aircraft analogue and digital passenger entertainment electronic equipment components that are repaired or overhauled in aviation maintenance workshops 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 (Component Workshop 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).

Pre-requisite Unit

MEA260 Use electrical test equipment

MEA261 Use electronic test equipment

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. Determine requirements | 1.1 Audio and video system and reproducer component defect reports (removal tags) or customer order are correctly interpreted and matched by part and serial numbers |
| | 1.2 Circuitry is correctly prepared and connected to the applicable test equipment and is functionally tested or cycled through the prescribed test procedures in accordance with the maintenance documentation for evidence of serviceability or malfunction |
| | 1.3 Modification status is clearly established to assist in determining the overhaul requirements for the components |
| | 1.4 Extent of overhaul or repair is correctly identified and documented |
| 2. Dismantle and inspect audio and video system and reproducer components | 2.1 Component parts are dismantled in accordance with maintenance manuals while observing all relevant work health and safety (WHS) requirements |
| | 2.2 Component parts are assessed for serviceability in accordance with the relevant maintenance documentation |
| | 2.3 Parts requiring specialist repair are tagged and repair instructions are accurately specified |
| | 2.4 Parts lists are compiled and processed in accordance with standard enterprise procedures |
| 3. Repair and/or modify audio and video system and reproducer | 3.1 Component parts are repaired or replaced in accordance with the relevant maintenance documentation |
| | 3.2 Modification of components or parts is undertaken, where required, by relevant manufacturers' bulletins or procedures |

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| 4. Assemble, test and adjust audio and video system and reproducer components | 4.1 | Assembly of component parts is carried out in accordance with specified tolerances and the applicable maintenance documents |
| | 4.2 | Assembled components are tested and adjusted in accordance with the applicable maintenance documentation using the appropriate test equipment |
| | 4.3 | Required maintenance documentation and modification records are 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.

Audio and video systems and reproducers include:

- Video cassette recorders (VCRs)
- Video display systems
- Cathode ray tube (CRT) display systems
- Symbol generators
- Audio amplifiers
- Audio and video selectors
- Voice recorders
- Microphones
- Head sets
- Passenger control units (PCUs)
- Tape reproducers (and tape reproduction)
- Industry standard procedures specified by manufacturers, regulatory authorities or the enterprise

Procedures and requirements include:

Unit Mapping Information

Release 1 – equivalent to MEA288A Repair or overhaul aircraft audio and visual systems and reproducers

Links

Companion Volume implementation guides are found in VETNet -

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