



Australian Government

MEALSU0001 Maintain and fit anti-G suits

Release: 1

MEALSU0001 Maintain and fit anti-G suits

Modification History

Release 1. Application changed. Elements and Performance Criteria changed. Foundation Skills made explicit. Range of Conditions removed, and relevant information moved to Assessment Requirements. Assessment Requirements clarified. Supersedes and is equivalent to MEA501 Maintain and fit anti-G suits.

Application

This unit describes the skills and knowledge required to maintain and fit anti-G suits worn by aircrew and passengers in high performance aircraft. Maintenance involves inspection, testing, fault diagnosis, parts replacement, fabric repairs, and cleaning. Fitting involves adjusting the anti-G suit to correctly fit an individual. Work may be performed individually or as part of a team.

The scope of repairs excludes inflatable components of the anti-G suit.

The unit is used in workplaces that operate under the airworthiness regulatory systems of the Civil Aviation Safety Authority (CASA) and the Defence Aviation Safety Authority (DASA).

Any other relevant legislation, industry standards and codes of practice within Australia must be applied.

Pre-requisite Unit

MEA107 Interpret and use aviation maintenance industry manuals and specifications

MEA118 Conduct self in the aviation maintenance environment

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

MEALSU0010 Operate and maintain sewing machines and overlockers

MSFSF2002 Machine sew materials

Competency Field

Aircraft life support

Elements and Performance Criteria

Elements	Performance Criteria
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Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Maintain anti-G suit	1.1 Inspect anti-G suit for serviceability in accordance with standard procedures 1.2 Test anti-G suit for serviceability in accordance with standard procedures and manufacturer's specifications 1.3 Report identified faults beyond own authority to rectify to supervisor and quarantine faulty anti-G suit in accordance with standard procedures 1.4 Replace unserviceable parts of the anti-G suit and complete fabric repairs in accordance with standard procedures while observing all relevant work health and safety (WHS) requirements, including the use of material safety data sheets (MSDS) and items of personal protective equipment (PPE) 1.5 Clean anti-G suit in accordance with standard procedures 1.6 Present anti-G suit for inspection by supervisor in accordance with standard procedures 1.7 Complete and process required maintenance documentation in accordance with standard enterprise procedures
2. Fit anti-G suit	2.1 Explain fitting process to participant to achieve optimal fit 2.2 Measure participant and select appropriate size anti-G suit based on available information 2.3 Use available information and participant feedback to adjust anti-G suit to optimise fit 2.4 Organise verification of anti-G suit fit by supervisor in accordance with standard enterprise procedures 2.5 Complete and process required fitting-related documentation in accordance with standard enterprise procedures 2.6 Clean and perform required maintenance on equipment and tools used in accordance with standard enterprise procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

- Reading skills to interpret a wide range of procedures and manuals
- Numeracy skills to interpret technical information

- Writing and oral communication skills to explain the fitting process and complete documentation.

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

Unit Mapping Information

Release 1. Supersedes and is equivalent to MEA501 Maintain and fit anti-G suits.

Links

Companion Volume implementation guides are found in VETNet -

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