



Australian Government

MEALSU0011 Maintain general aviation recovery devices with ballistic parachute systems

Release: 1

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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 MEA512 Maintain general aviation recovery devices with ballistic parachute systems.

Application

This unit describes the skills and knowledge required to apply hand skills and knowledge of general aviation recovery devices (GARD) with ballistic parachute systems to remove, install and maintain the system when fitted to small aircraft. It is required for individuals seeking approval within the Civil Aviation Safety Regulation (CASR) Part 145 and Civil Aviation Regulation (CAR) 30 maintenance organisations to maintain general aviation recovery devices that have ballistic parachute systems. Coverage does not include the maintenance and re-packing of the parachute, which is covered by unit MEALSU0005 Maintain and pack parachutes.

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

DEFEXO001 Work safely with explosive ordnance

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

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. Inspect GARD ballistic parachute system	1.1 Inspect ballistic parachute container in accordance with maintenance data 1.2 Inspect parachute deployment rocket and operating cable in accordance with maintenance data while observing all relevant work health and safety (WHS) requirements, including the use of material safety data sheets (MSDSs) and items of personal protective equipment (PPE) 1.3 Verify remaining life of installed devices from aircraft documentation 1.4 Complete maintenance documentation in accordance with standard enterprise procedures
2. Remove GARD ballistic parachute system	2.1 Disconnect operating cable and remove rocket in accordance with applicable maintenance data and explosives handling safety precautions 2.2 Remove parachute container from aircraft in accordance with maintenance data while observing all relevant WHS requirements, including using MSDS and items of PPE 2.3 Complete maintenance documentation in accordance with standard enterprise procedures
3. Install GARD ballistic parachute system	3.1 Install parachute container in accordance with maintenance data 3.2 Fit rocket and connect operating cable in accordance with maintenance data and explosives handling safety precautions 3.3 Complete maintenance documentation 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 maintenance manuals.
- Numeracy skills to interpret technical information.
- Writing skills to complete maintenance documentation.

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

Unit Mapping Information

Release 1. Supersedes and is equivalent to MEA512 Maintain general aviation recovery devices with ballistic parachute systems.

Links

Companion Volume Implementation Guides are found in VETNet – -

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