



Australian Government

MEA512 Maintain general aviation recovery devices with ballistic parachute systems

Release: 2

MEA512 Maintain general aviation recovery devices with ballistic parachute systems

Modification History

Release 2. Equivalent to MEA512 Maintain general aviation recovery devices with ballistic parachute systems with amended prerequisite codes.

Application

This unit of competency is required by individuals seeking approval within 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 MEA505 Maintain and pack parachutes.

The unit requires the application of 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.

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

Unit Sector

Elements and Performance Criteria

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 Ballistic parachute container is inspected in accordance with applicable maintenance data 1.2 Parachute deployment rocket and operating cable is inspected in accordance with applicable maintenance data 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) 1.3 Remaining installed life is verified from aircraft documentation 1.4 Maintenance documentation is completed in accordance with standard enterprise procedures
2. Remove GARD ballistic parachute system	2.1 Operating cable is disconnected and rocket is removed in accordance with applicable maintenance data and explosives handling safety precautions 2.2 Parachute container is removed from the aircraft in accordance with applicable maintenance data while observing all relevant WHS requirements, including the use of MSDS and items of PPE 2.3 Maintenance documentation is completed in accordance with standard enterprise procedures
3. Install GARD ballistic parachute system	3.1 Parachute container is installed in accordance with applicable maintenance data 3.2 Rocket is fitted and operating cable connected in accordance with applicable maintenance data and explosives handling safety precautions 3.3 Maintenance documentation is completed 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.

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| Maintenance data includes: | <ul style="list-style-type: none">• Aircraft maintenance manuals• Manufacturer maintenance manuals• Regulatory requirements |
| Procedures and requirements include: | <ul style="list-style-type: none">• Industry standard procedures specified by manufacturers, regulatory authorities or the enterprise |

Unit Mapping Information

Release 2. 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/TrainingDocs.aspx?q=ce216c9c-04d5-4b3b-9bcf-4e81d0950371>