



Australian Government

Assessment Requirements for MEALSU0007 Maintain, install and remove restraint 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 MEA508 Maintain, install and remove restraint systems.

Performance Evidence

There must be evidence the candidate has completed all the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- inspect, repair, install and remove at least one restraint system (fixed point attached harness, passenger restraint belt, retractable restraint harness) during scheduled or unscheduled maintenance, and including the following:
 - recognise one or more faults from each of the following groups, and their serviceability and repair limitations/tolerances:
 - broken quick release fitting springs
 - broken stitching
 - contamination
 - corrosion of metal parts
 - damaged hardware
 - damaged quick release fitting screws
 - excessive wear
 - expired date of restraint components
 - incorrect manufacture
 - pulled threads
 - seized quick release fitting lugs
 - ultraviolet (UV) degradation
- for the systems being maintained:
 - verify expiry dates of restraint system component parts
 - demonstrate both hand and machine sewing techniques at least once
 - apply repair and inspection procedures, cleanliness requirements and safety precautions at all times.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- relevant enterprise procedures and maintenance publications, including:

- equipment manufacturers' specifications and procedures
- industry practices
- safety manuals
- maintenance schedules
- work instructions
- maintenance organisation manuals
- standing instructions
- Commonwealth, state and territory work health and safety (WHS) legislation, regulations, codes and procedures for oxygen mask maintenance
- Australian Standards for restraint systems
- relevant Defence Aviation Safety Authority (DASA) and Civil Aviation Safety Authority (CASA) regulations and instructions
- WHS procedures for restraint system maintenance, including the selection and use of personal protective equipment (PPE)
- how to obtain and use material safety data sheets (MSDSs)
- types of restraint system:
 - fixed point attached harnesses
 - passenger restraint belts
 - retractable restraint harnesses (will be attached to inertia reel but the inertia reel does not form part of the restraint system)
- critical nature of maintaining and fitting restraint systems
- approved cleaning methods for aviation life support equipment
- components of a restraint system and their function, including:
 - belt
 - fixed point attachment line
 - hardware (e.g. buckles)
 - harness
 - parachute housing (e.g. pack)
 - quick release fittings including lugs, springs and screws
- flight line procedures
- typical faults that may affect restraint systems, including:
 - broken quick release fitting springs
 - broken stitching
 - contamination
 - corrosion of metal parts
 - damaged hardware
 - damaged quick release fitting screws
 - excessive wear
 - expired date of restraint components
 - incorrect manufacture
 - pulled threads

- seized quick release fitting lugs
- ultraviolet (UV) degradation
- handling, storage and transit procedures relating to life support equipment
- modification requirements for restraint systems
- operation of testing and measuring equipment and tools used to maintain restraint systems
- repair limitations for restraint systems.

Assessment Conditions

The following conditions of assessment represent the requirements of the regulators (DASA and CASA) and maintenance stakeholders and must be rigorously observed.

Skills must have been demonstrated under routine supervision in the workplace or in a simulated environment that reflects workplace conditions and contingencies encountered in maintaining, installing and removing restraint systems. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - workplace procedures, manufacturing specifications, codes, standards, manuals, and reference materials relevant to maintaining, installing and removing restraint systems
 - materials, tools and equipment specified in the maintenance manuals and applicable procedures
 - general- and special-purpose tools and items of ground support equipment required for maintaining, installing and removing restraint systems.

Evidence of tasks demonstrating competency must be recorded in a log of industrial experience and achievement.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

Companion Volume implementation guides are found in VETNet -

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