



Australian Government

**Assessment Requirements for
MEALSU0006 Maintain, pack and fit
survival inflatable buoyancy vests**

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 MEA507 Maintain, pack and fit survival inflatable buoyancy vests

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:

- maintain, pack and fit survival inflatable buoyancy vests during scheduled or unscheduled maintenance using applicable testing and measuring equipment, tools and maintenance documentation on the following range of tasks:
 - complete a minimum of three inflation tests without the need for corrective action by the supervisor
 - correctly pack a minimum of three survival inflatable buoyancy vests without the need for corrective action by the supervisor
 - correctly fit survival inflatable buoyancy vests to a minimum of three different people without supervisor intervention, showing adjustment techniques for each of:
 - breast height
 - chest
 - waist
 - recognise a range of faults and their serviceability limits (faults must include incorrect manufacture and verifying expiry date of inflatable buoyancy vest and ancillary equipment)
 - soldering battery terminals on emergency locator transmitters
- perform testing for the vests being worked on, covering each of:
 - checking ancillary equipment (e.g. electronic locating devices and survival/location aids)
 - cylinder weight tolerance
 - inflation and deflation tests
 - light and battery test
- handle, store and organise transport of equipment as part of packing procedure
- inflate and deflate survival inflatable devices for maintenance
- use applicable testing and measuring equipment, tools and maintenance documentation
- while adjusting vest-fitting, tie each type of knot from the list below:
 - reef knot
 - bowline

- thumb knot
- half hitch
- use hand sewing during parts replacement
- apply procedures, cleanliness requirements and safety precautions at all times and as relevant to the tasks above.

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 survival inflatable buoyancy vest maintenance, including selecting and using personal protective equipment (PPE)
- Australian Standards for oxygen masks
- relevant Defence Aviation Safety Authority (DASA) and Civil Aviation Safety Authority (CASA) regulations and instructions
- how to obtain and use material safety data sheets (MSDSs)
- relevant safety precautions including storage and handling of compressed gas cylinders and survival and distress pyrotechnics
- critical nature of maintaining and packing survival inflation devices, i.e. risk of death
- search and rescue procedures
- priorities of survival and how they relate to survival inflatable buoyancy vests and associated ancillary equipment
- electrical principles
- approved cleaning methods for aviation life support equipment
- environmental conditions that may affect survival inflation devices, including ultraviolet (UV) degradation
- typical faults that may affect survival inflation devices. Including:
 - abrasion
 - broken stitching
 - contamination
 - corrosion of metal parts
 - damaged hardware
 - delamination/porosity
 - expired components or equipment

- faulty valves
- frayed lines
- holes
- incorrect manufacture
- lifting tapes
- ultraviolet (UV) degradation
- handling, storage and transit procedures relating to survival inflation devices
- survival inflation devices and methods of operation
- operation of emergency locator beacons and emergency locator transmitters
- principles of operation of inflation mechanisms
- components of a survival inflation device and their function, including:
 - buoyancy chambers
 - cylinders
 - hardware
 - operating head
 - valves
 - valise
 - zippers
- repair limitations for survival inflatable buoyancy vests
- modification requirements for survival inflatable buoyancy vests
- requirements for a survival inflation device servicing facility
- packing tools and measuring equipment required to pack survival inflatable devices
- use of survival inflatable buoyancy vests, including associated ancillary equipment.
- types of ancillary equipment and their function, including:
 - electronic locating devices
 - lighting devices
 - pyrotechnics
 - rations
 - survival/location aids
 - water.
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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, packing and fitting survival inflatable buoyancy vests. 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, packing and fitting survival inflatable buoyancy vests
- materials, tools and equipment specified in the maintenance manuals and applicable procedures
- general- and special-purpose tools and items of ground support equipment.

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>