



**Australian Government**

**MEASS00605 MTA045 Aircraft welding  
using the manual metal arc welding process  
- titanium alloys**

**Release 1**

## **MEASS00605 MTA045 Aircraft welding using the manual metal arc welding process - titanium alloys**

### **Modification History**

Release 1. Skill set code changed. Description added. Units and codes updated. Supersedes and is equivalent to MEASS00392 MTA045 Aircraft welding using the manual metal arc welding process - titanium alloys

### **Description**

This skill set reflects the skill requirements for individuals seeking approval under either the Civil Aviation Safety Authority (CASA) or the Defence Aviation Safety Authority (DASA) regulatory system to weld titanium alloy aircraft components using the manual metal arc welding process. To attain this skill set MEASTR0025 must be attained using titanium alloys for the welding process.

### **Pathways Information**

These units provide credit towards a range of MEA Aeroskills Training Package qualifications. This skill set is designed to meet the requirements for CASA or DASA welding approvals for the welding of titanium alloy using the manual metal arc welding process. The competency elements of MEASTR0025 must be attained using the titanium alloy parent metal group

### **Licensing/Regulatory Information**

Civil Aviation Safety Authority (CASA) and Defence Aviation Safety Authority (DASA) regulations apply to this skill set.

### **Skill Set Requirements**

|            |                                                                            |
|------------|----------------------------------------------------------------------------|
| 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                       |
| MEASTR0025 | Weld aircraft components using the manual metal arc welding process*       |
| MEM05007   | Perform manual heating and thermal cutting*                                |

|          |                                                                         |
|----------|-------------------------------------------------------------------------|
| MEM05012 | Perform routine manual metal arc welding*                               |
| MEM05015 | Weld using manual metal arc welding process*                            |
| MEM05016 | Perform advanced welding using manual metal arc welding process*        |
| MEM05026 | Apply welding principles*                                               |
| MEM05046 | Perform welds to code standards using manual metal arc welding process* |
| MEM05051 | Select welding processes*                                               |
| MEM05052 | Apply safe welding processes*                                           |
| MEM09002 | Interpret technical drawing*                                            |
| MEM12023 | Perform engineering measurements*                                       |
| MEM18001 | Use hand tools*                                                         |
| MEM18002 | Use power tools/hand held operations*                                   |

Units marked with an asterisk have prerequisites. See the unit or the MEA Aeroskills Companion Volume Information Guide for details

## Target Group

This skill set is for individuals seeking approval under either the CASA or DASA regulatory system to weld titanium alloy aircraft components using the manual metal arc welding process.

## Suggested words for Statement of Attainment

These competencies from the MEA Aeroskills Training Package meet the requirements of the Civil Aviation Safety Authority (CASA) and the Defence Aviation Safety Authority (DASA) regulatory systems for the grant of an approval to weld titanium alloy aircraft components using the manual metal arc welding process