



Australian Government

**MEASS00593 MTA033 Aircraft welding
using the plasma arc welding process -
magnesium alloys**

Release 1

MEASS00593 MTA033 Aircraft welding using the plasma arc welding process - magnesium alloys

Modification History

Release 1. Skill set code changed. Description added. Units and codes updated. Supersedes and is equivalent to MEASS00380 MTA033 Aircraft welding using the plasma arc welding process - magnesium 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 magnesium alloy aircraft components using the plasma arc welding process. To attain this skill set MEASTR0024 must be attained using magnesium alloys for the welding process.

Pathways Information

These units provide credit towards a range of MEA Aeroskills Training Package qualifications.

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
MEASTR0024	Weld aircraft components using the plasma arc welding process*
MEM05007	Perform manual heating and thermal cutting*
MEM05019	Weld using gas tungsten arc welding process*

MEM05020	Perform advanced welding using gas tungsten arc welding process*
MEM05026	Apply welding principles*
MEM05044	Perform welds to code standards using gas tungsten arc welding*
MEM05049	Perform routine gas tungsten arc welding*
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 magnesium alloy aircraft components using the plasma 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 magnesium alloy aircraft components using the plasma arc welding process.

Custom Content Section

Not applicable.