



Australian Government

ACMFAR314 Perform routine welding techniques for farriery activities

Release: 1

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Modification History

Release	Comments
Release 1	This version released with ACM Animal Care and Management Training Package Version 2.0.

Application

This unit of competency describes the skills and knowledge required to carry out routine manual metal arc welding (MMAW) and gas metal arc welding (GMAW), using both steel and aluminium, for farriery activities. It covers determining job requirements, preparing materials and equipment and selecting appropriate welding techniques to ensure integrity of materials during welding process. Weld quality is not required to meet an Australian Standard or equivalent. Fillet and butt welds would typically be performed on low carbon/mild steels.

The unit applies to individuals who are required to weld to carry out farriery services across different equine industry sectors.

No occupational licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Farriery (FAR)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Determine job requirements	1.1 Identify job requirements from specifications, sketches, or instructions 1.2 Select most appropriate metal for welding process and job requirements

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.3 Select most appropriate welding process for job requirement 1.4 Identify hazards associated with the work and control risks
2. Prepare materials and equipment for welding	2.1 Comply with work health and safety requirements relevant to welding at all times 2.2 Identify, fit and use personal protective equipment for welding activity according to health and safety in the workplace procedures 2.3 Clean and prepare materials ready for welding 2.4 Set up welding equipment to meet work requirement in safe area 2.5 Select settings and consumables to suit job requirements
3. Perform routine welding using manual metal arc welding (MMAW) and gas metal arc welding (GMAW)	3.1 Address job specifications and identify weld locations 3.2 Weld materials to job requirement using MMAW process and GMAW process according to manufacturers' operating instructions and safety requirements 3.3 Test weld outcome for quality and useability and rectify any defects detected 3.4 Clean welds, using appropriate tools and materials, according to job requirements
4. Complete work processes	4.1 Carry out final inspection to ensure work meets job and quality requirements 4.2 Clean work area, dispose of waste and non-recyclable materials and collect and store recyclable material 4.3 Check tools and equipment, organise maintenance of faulty or defective equipment, and store safely according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
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Skill	Description
Reading	Interpret welding symbols and diagrams in instructions
Numeracy	- Estimate time to complete activities - Calculate quantities of materials needed for tasks
Navigate the world of work	Take responsibility for adherence to work health and safety requirements relating to welding activity and work area
Get the work done	- Plan, sequence and prioritise tasks and assemble equipment to carry out welding tasks - Monitor safety and risk factors during welding processes

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ACMFAR314 Perform routine welding techniques for farriery activities	Not applicable	New unit	No equivalent unit

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b75f4b23-54c9-4cc9-a5db-d3502d154103>