



Australian Government

AHCINF208 Fabricate and repair metal or plastic structures

Release: 1

AHCINF208 Fabricate and repair metal or plastic structures

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 9.0.

Application

This unit of competency describes the skills and knowledge required to undertake minor fabrication and repair of metal or plastic structures where the services of a tradesperson is not necessary.

The unit applies to individuals who fabricate and repair metal or plastic structures under general supervision with limited autonomy or accountability.

All work must be carried out to comply with workplace procedures, health and safety in the workplace requirements, legislative and regulatory requirements.

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

Pre-requisite Unit

Nil

Unit Sector

Infrastructure (INF)

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. Prepare for fabrication or repair	1.1 Confirm work instructions with supervisor 1.2 Identify and report workplace health and safety hazards and risks to supervisor 1.3 Confirm items for repair or fabrication 1.4 Prepare and use tools and equipment according to supervisor

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	instructions 1.5 Select jointing or welding materials according to supervisor instructions 1.6 Carry out routine pre-operational checks of tools 1.7 Identify faulty or unsafe tools, and separate for repair or replacement 1.8 Select, fit and use personal protective equipment (PPE) applicable to the task
2. Assist with maintaining structures and facilities	2.1 Repair or fabricate equipment and structures 2.2 Use jointing methods appropriate for the structure
3. Complete fabrication and repair	3.1 Clear and tidy work area, and remove and dispose of or recycle rubbish and waste material 3.2 Clean, maintain and store tools materials and equipment 3.3 Report work outcomes and malfunctions, faults wear or damage of tools to supervisor

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
Reading	Interpret workplace instructions to formulate an understanding of expected requirements and activity
Oral communication	- Use clear language and standard industry terminology to report malfunctions, faults, wear or damage of tools - Participate in verbal exchanges to respond to questions and clarify instructions with supervisor
Numeracy	Determine jointing and welding resources

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCINF208 Fabricate and repair metal or plastic structures	AHCINF204 Fabricate and repair metal or plastic structures	Minor changes to application Major and minor changes to performance criteria Foundation skills added Major and minor edits to performance and knowledge evidence and assessment conditions	Not equivalent

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCINF208 Fabricate and repair metal or plastic structures

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has undertaken minor fabrication and repair of metal or plastic structures, where the services of a tradesperson is not necessary, on at least two occasions and has:

- identified job requirements and selected materials, tools and equipment
- identified workplace health and safety hazards and risks, and reported to supervisor
- applied workplace health and safety requirements, including fitted and used personal protective equipment (PPE)
- selected, prepared and safely used tools and equipment applicable to metal or plastic structure fabrication and repair
- conducted pre-operational checks and replaced or separated for repair tools and equipment identified with faults
- identified and used jointing methods and safe repair and fabrication techniques
- cleaned and tidied up work area and disposed of or recycled waste
- reported metal or plastic structure fabrication and repair activities and unserviceable tools and equipment.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- workplace requirements applicable to health and safety in the workplace for fabricating and repairing metal and plastic structures, including appropriate use of PPE
- types of fabrication materials, tools and equipment, their use, selection and application
- range of metals and non-metal materials that may be used in fabrication and repair
- industry jointing, welding, fabrication and repair methods
- disposal and recycle of waste material associated with fabrication and repair of metal or plastic structures.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - a workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - metal or plastic structure fabrication and repair materials, tools and equipment
 - PPE applicable to metal or plastic structure fabrication and repair
- specifications:
 - workplace health and safety procedures relevant to metal or plastic structure fabrication and repair
 - workplace documents, including processes, instructions and job specifications relevant to metal or plastic structure fabrication and repair
- relationships:
 - supervisor.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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