



Australian Government

AHCINF204 Fabricate and repair metal or plastic structures

Release: 1

AHCINF204 Fabricate and repair metal or plastic structures

Modification History

Release Number	TP Version	Comments
1	AHCv1.0	Initial release

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 specialist trades person is not necessary.

All work is carried out to comply with workplace procedures, work health and safety legislation and codes, industry practice, manufacturer's specifications and sustainability practices.

This unit applies to individuals who work under general supervision and exercise limited autonomy with some accountability for their own work. They undertake defined activities and work in a structured context.

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

Pre-requisite Unit

Nil.

Unit Sector

Infrastructure (INF)

Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Prepare for fabrication or repair	1.1 Confirm work instructions with supervisor 1.2 Identify hazards and report to supervisor 1.3 Select and fit appropriate personal protective equipment 1.4 Confirm items for repair or fabrication

Element	Performance criteria
	1.5 Select tools and equipment appropriate to job requirements 1.6 Select jointing or welding materials suitable to the job requirements
2. Assist with maintaining structures and facilities	2.1 Repair or fabricate equipment and structures 2.2 Use appropriate jointing methods
3. Complete fabrication and repair	3.1 Clean and store materials and equipment 3.2 Clean and maintain work area and remove hazardous materials in an environmentally responsible manner 3.3 Complete workplace records

Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Unit Mapping Information

This unit is equivalent to AHCINF204A Fabricate and repair metal or plastic structures

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for AHCINF204 Fabricate and repair metal or plastic structures

Modification History

Release Number	TP Version	Comments
1	AHCv1.0	Initial release

Performance Evidence

The candidate must be observed undertaking minor fabrication and repair of metal or plastic structures where the services of a specialist trades person is not necessary.

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence that they can:

- identify job requirements and select materials, tools and equipment
- identify hazards apply safe work practices including use of personal protective equipment
- identify and use jointing methods and safe repair and fabrication techniques
- use welding and thermal cutting equipment safely
- clean up after operations

Knowledge Evidence

The candidate must demonstrate knowledge of:

- types of fabrication materials and their various applications
- range of metals and non-metal materials that may be used in fabrication and repair
- industry joining and welding techniques and fabrication and repair methods
- work health and safety requirements
- environmental codes of practice with regard to equipment operation and maintenance activities
- operating principles and operating methods for equipment
- various types of welders and respective functions
- environmental impacts and minimisation measures

Assessment Conditions

Competency is to be assessed in the workplace or simulated environment that accurately reflects performance in a real workplace setting.

Assessors must satisfy current standards for RTOs.

Links

Companion Volume implementation guides are found in VETNet -

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