Modification history

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| Release | Comments |
| Release 2 | This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 8.0. |
| Release 1 | This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 1.0. |

| AHCINF2X4 | Fabricate and repair metal or plastic structures |
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| 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.  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. |
| Prerequisite Unit | Nil |
| Unit Sector | Infrastructure (INF) |

| Elements | 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 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 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 appropriate jointing methods |
| 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. | |
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| Skill | Description |
| Reading | * Reads and interprets workplace instructions to formulate an understanding of expected requirements and activity |
| Oral Communication | * Uses clear language and standard industry terminology to report malfunctions, faults, wear or damage of tools * Participates in verbal exchanges to respond to questions and clarify innstructions with supervisor |
| Numeracy | * Determine jointing and welding resources |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| AHCINF2X4 Fabricate and repair metal or plastic structures | AHCINF204 Fabricate and repair metal or plastic structures | Minor changes 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 |

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| Links | Companion Volumes, including Implementation Guides, are available at VETNet: <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72> |

| TITLE | Assessment requirements for AHCINF2X4 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, 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) * identified and used jointing methods and safe repair and fabrication techniques * 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 * 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 |
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| 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:   * types of fabrication materials, tools and equipment and their various applications * range of metals and non-metal materials that may be used in fabrication and repair * industry joining, welding, fabrication and repair methods * workplace requirements applicable to health and safety in the workplace for fabricating and repairing metal and plastic structures including appropriate use of PPE * operating principles and operating methods for equipment. |

| Assessment Conditions |
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| Assessment of skills 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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