



Australian Government

HLTDET010 Join alloy structures

Release: 1

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Modification History

Release	Comments
Release 1	This version was released in <i>HLT Health Training Package release 3.0</i> and meets the requirements of the 2012 Standards for Training Packages. Minimal changes to the elements and performance criteria. New evidence requirements for assessment including volume and frequency requirements. Removal of pre-requisites Supersedes HLTDT511C

Application

This unit of competency describes the skills and knowledge required to join dental alloys using thermal processes.

This unit applies to work in dental technology.

The skills in this unit must be applied in accordance with Commonwealth and State/Territory legislation, Australian/New Zealand Standards and industry codes of practice.

Elements and Performance Criteria

ELEMENT

PERFORMANCE CRITERIA

Elements define the essential outcomes

Performance criteria describe the performance needed to demonstrate achievement of the element.

1. Solder components

1.1 Identify and position component materials accurately to comply with the design and in a manner that enables the optimum join to be made

1.2 Select appropriate solder and flux according to the component materials

1.3 Select appropriate heating methods

1.4 Apply and control solder

1.5 Evaluate each finished join

1.6 Clean, trim, shape and finish components to produce a smooth surface free of sharp edges and irregularities

ELEMENT**PERFORMANCE CRITERIA**

Elements define the essential outcomes

Performance criteria describe the performance needed to demonstrate achievement of the element.

2. Weld components

2.1 Identify and position component materials accurately to comply with the design, and in a manner that enables the optimum join to be made

2.2 Select appropriate welding techniques and equipment

2.3 Weld components

2.4 Evaluate each finished weld

2.5 Clean, trim, shape and finish components to produce a smooth surface free of sharp edges and irregularities

Foundation Skills

The Foundation Skills describe those required skills (employability skills, language, literacy and numeracy) that are essential to performance.

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

Unit Mapping Information

No Equivalent Unit

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=ced1390f-48d9-4ab0-bd50-b015e5485705>