



**Australian Government**

# **HLTDET009 Construct crown and bridge structures**

**Release: 1**

## HLTDET009 Construct crown and bridge structures

### Modification History

Release	Comments
Release 1	<p>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.</p> <p>Merged HLTDT510C/HLTDT516C</p> <p>Significant changes to the elements and performance criteria. New evidence requirements for assessment including volume and frequency requirements.</p> <p>Removal of pre-requisites</p>

### Application

This unit of competency describes the skills and knowledge required to construct crown and bridge structures including inlays, veneers and substructures.

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

Elements define the essential outcomes

1. Prepare crown and bridge model

#### PERFORMANCE CRITERIA

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

1.1 Pour or construct model using crown and bridge model system

1.2 Prepare crown and bridge model to appropriate height and with level occlusal plane in accordance with crown and bridge model system used

1.3 Section crown and bridge model in accordance with work order requirements

1.4 Prepare die for construction of restoration in accordance with work order

**ELEMENT****PERFORMANCE CRITERIA**

Elements define the essential outcomes

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

2. Wax and invest fixed partial dentures and structures

- 2.1 Wax up crown and bridge restorations
- 2.2 Sprue crown and bridge wax pattern and prepare for processing
- 2.3 Select appropriate investment material according to the material to be used
- 2.4 Prepare investment materials according to the manufacturers' instructions
- 2.5 Invest wax patterns

3. Burnout, process and finish fixed partial dentures and structures

- 3.1 Select burnout techniques appropriate to the investment material and restoration material
- 3.2 Process restoration/substructure in appropriate material
- 3.3 Devest restoration/substructure without damaging it
- 3.4 Check for defects
- 3.5 Trim and finish restoration while maintaining all contact areas and margins
- 3.6 Evaluate the finished restoration
- 3.7 Decontaminate the restoration according to infection control guidelines
- 3.8 Dry the casting, replace on model and place in a sealed container for dispatch

**Foundation Skills**

*The Foundation Skills describe those required skills (language, literacy, numeracy and employment skills) 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>