



**Australian Government**

# **Assessment Requirements for HLTDET011 Construct ceramic and fixed restorations**

**Release: 1**

## Assessment Requirements for HLTDET011 Construct ceramic and fixed restorations

### 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 HLTDT512D/HLTDT513C</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>

### Performance Evidence

The candidate must show evidence of the ability to complete tasks outlined in elements and performance criteria of this unit, manage tasks and manage contingencies in the context of the job role. There must be evidence that the candidate has:

- read and correctly interpreted work order for the following 4 fixed restorations
- fabricated the following 4 ceramic restorations using standard precautions and safe work practices to a standard that is suitable for insertion in the mouth:
  - 1 maxillary or mandibular anterior crown
  - 1 maxillary or mandibular posterior crown
  - 1 anterior veneer
  - 1 posterior inlay
- critically evaluated the work produced to meet technical laboratory and patient requirements including:
  - shade of the ceramic matches the work order requirements
  - fit of the restoration is accurate
  - restoration is of an appropriate anatomical form, shape and surface finish
  - restoration is free of faults
  - restoration provides the correct occlusion and articulation
  - proximal contact areas are in contact with the contact areas of the adjacent teeth.

## Knowledge Evidence

The candidate must be able to demonstrate essential knowledge required to effectively complete tasks outlined in elements and performance criteria of this unit, manage tasks and manage contingencies in the context of the work role. This includes knowledge of:

- Australian/New Zealand Standards, workplace health and safety (WHS) policies, Dental Board of Australia guidelines on infection control, Commonwealth and State/Territory legislation and organisation policies relating to dental laboratory work
- fundamental oral anatomy including:
  - dentition – arrangement of the teeth, naming and coding of teeth
  - structures of the oral cavity related to crown and bridge structures
  - teeth form and function
  - occlusion
- tooth preparation including basic cementation techniques of restorations
- dental ceramic restorations
- properties of different restoration and substructure materials
- ceramic bonding to substructures
- composition and properties of dental ceramics
- processing ceramic restorations
- causes of common faults during construction
- critical issues and techniques for taking tooth shades including:
  - effects of aging, tooth wear and staining on shade
  - colour
  - rationale and objectives for taking shades
- social, cultural and psychological factors affecting patient perception and acceptance of tooth shade
- factors which influence selection of tooth shades
- physics of light refraction including properties of materials used in aesthetic restoration

## Assessment Conditions

Skills must have been demonstrated in a dental laboratory workplace or in a simulated dental laboratory environment that reflects workplace laboratory conditions. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
  - access to work order
  - Dental Board of Australia guidelines on infection control on which the candidate bases the planning process
  - laboratory safety manuals and procedures in line with relevant Commonwealth and State/Territory legislation
  - WHS policies on which the candidate bases the planning process.

Assessors must satisfy the Standards for Registered Training Organisations (RTOs) 2015/AQTF mandatory competency requirements for assessors.

## **Links**

Companion Volume implementation guides are found in VETNet -

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