Australian Government

Assessment Requirements for HLTDET001 Construct models

Release: 1

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Modification History

Release	Comments
Release 1	This version was released in *HLT Health Training Package release 3.0* 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 HLTDT301D

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:

- used standard precautions and safe work practices to prepare models, using a range of materials specifically prepared against written instructions and manufacturers' instructions, for at least 4 different types of impressions (must be a combination of maxillary and mandibular arches):
  - dentate
  - partially dentate
  - edentulous
- critically evaluated the 4 different types of models produced to meet technical laboratory and clinician requirements.

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 legislation and State/Territory legislation, and organisation policies relating to dental laboratory work
- requirements and organisation policies relating to dental laboratory work including:

  - use of standard precautions to minimise risk
  - use of personal protective equipment (PPE) including disposable gloves, laboratory coat and eye protection
  - decontamination of impressions
  - minimising hazardous manual tasks
  - requirements for storage of model material
  - safe disposal of packaging materials
- fundamental oral anatomy, including:
  - dentition – arrangement of the teeth, naming and coding of teeth
  - structures of the oral cavity – hard and soft palate, lateral and posterior borders of the oral cavity, tongue and floor of the mouth
  - teeth form and function
- properties of elastic impression materials including:
  - alginate impression material
  - polyether impression material
  - polysulphide impression material
  - polyvinyl siloxane impression material
- properties of rigid impression materials including:
  - impression compound
  - zinc oxide-eugenol impression pastes
- desirable properties of model materials including:
  - accurate reproduction of all details of the impression
  - colour contrast with other materials used on them
  - ease of manipulation
  - sufficient strength and hardness
  - suitability for use with all types of impression materials
- significance of study models for:
  - dentate and partially dentate mouths
  - edentulous mouths.

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
- impression materials

- laboratory safety manuals and procedures in line with relevant Commonwealth and State/Territory legislation
- PPE
- simulation models on which to construct impression models
- 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