



Australian Government

HLTDET017 Construct dental restorations and appliances using computer-aided manufacturing (CAM)

Release: 1

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Modification History

Not applicable.

Application

This unit of competency describes the skills and knowledge required to construct dental restorations and appliances using computer-aided manufacturing (CAM) technologies.

This unit applies to dental technicians working in dental laboratories.

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.

Pre-requisite Unit

Nil

Competency Field

Dental

Unit Sector

Dental technology

Elements and Performance Criteria

Elements describe the essential outcomes

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

1. Determine restoration or appliance requirements.

- 1.1 Access and review work order.
- 1.2 Apply standard infection control precautions when receiving, handling and working on dental materials.
- 1.3 Ensure accuracy of work order and seek additional information as required.
- 1.4 Assess quality of digital design and seek any required adjustments.
- 1.5 Obtain final approval of design from appropriate source.
- 1.6 Identify and set-up computer-aided manufacturing (CAM) technologies required to construct restoration or appliance, and ensure availability.

2. Construct restoration or 2.1 Access required computer-aided manufacturing (CAM)

- appliance using computer-aided manufacturing (CAM).
- software.
- 2.2 Follow workplace policies and procedures to access and import digital files into computer-aided manufacturing (CAM) software.
 - 2.3 Select and load appropriate materials for computer-aided manufacturing (CAM) of restoration or appliance.
 - 2.4 Manipulate and program features of computer-aided manufacturing (CAM) technologies to construct restoration or appliance.
 - 2.5 Monitor construction of restoration or appliance and make any required adjustments.
3. Finalise restoration or appliance.
- 3.1 Inspect restoration or appliance for defects and ensure restoration or appliance accurately reflects requirements of work order.
 - 3.2 Make any final adjustments to ensure integrity and accuracy of restoration or appliance.
 - 3.3 Complete required finishing to finalise restoration or appliance, as required.
 - 3.4 Finalise, disinfect and package restoration or appliance according to workplace requirements.

Foundation Skills

Foundation skills essential to performance in this unit, but not explicit in the performance criteria are listed below.

SKILLS

DESCRIPTION

Reading skills to:

- interpret technical language within various texts.

Oral communications skills to:

- pronounce complex words correctly and use them in the correct context.

Self-management skills to:

- work within parameters of own scope of practice.

Unit Mapping Information

No equivalent unit.

Links

Companion Volume Implementation Guide -

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