



Australian Government

Assessment Requirements for HLTDEN002 Assist with dental radiography

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 HLTDA304D

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:

- prepared at least 3 patients for dental radiographic imaging procedures
- consistently applied safe work practices for dental radiography work including:
 - using protective equipment to minimise the risk of ionising radiations to self and patient
 - correctly handling, storing and disposing of radiographic films and processing solutions receptors
- correctly processed, mounted and filed radiographic films and digital images on at least 3 occasions, including:
 - applying the correct processing procedure
 - implementing remedies for common processing faults
 - recognising common processing errors
 - handling digital receptors carefully
 - attaching accurate, legible and complete records

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 include knowledge of:

- national and State/Territory legal and ethical requirements and considerations for dental assisting work and how these are applied in organisations and in individual practice including:
 - codes of practice and safety guides:
 - radiation protection in dentistry
 - safe use of radiation
 - duty of care
 - informed consent and statutory requirements of consent
 - practice standards – Dental Board of Australia guidelines on infection control
 - privacy, confidentiality and disclosure
 - radiation user licence
 - rights and responsibilities of workers, employers and patients
 - work role boundaries – responsibilities and limitations
 - work health and safety
- equipment and materials used for dental radiography and the correct procedures for use including:
 - equipment for automatic processing
 - equipment for manual processing
 - equipment for digital radiography
 - reasons for rotating film stock and using film before its expiry date
 - reasons for storing films away from ionising radiation
 - safe methods of storage and disposal of processing solutions
 - the nature and purpose of processing solutions
- production and biological effects of ionising radiation:
 - biological risks associated with X-rays
 - hazards associated with X-rays including the mechanisms by which X-rays cause damage to human tissues
 - nature and uses of X-rays
 - production of X-rays
- process for mounting films including:
 - fundamental knowledge of dental anatomy
 - methods of mounting radiographs
- process for processing films including:
 - procedures required for automatic film processing
 - procedures required for manual film processing
 - processing solutions and appropriate methods for their handling, preparation, replenishment, storage and safe disposal
 - reasons for light-tightness and use of safelights
 - requirements for clean working space and adequate ventilation
 - the automatic processing cycle
 - the stages of the manual processing cycle

- procedures required for digitally transferring images
- quality assurance of processing including:
 - criteria for determining whether a radiograph is of an acceptable quality
 - causes of common processing errors and the remedy for correction
- code of practice for radiation protection in dentistry including:
 - methods for monitoring the adequacy of radiation protection
 - procedures for minimising radiation risks to patients, self, the oral healthcare team and the public
 - the organisation's quality assurance policy for processing radiographs to consistent diagnostic quality
 - the purpose of quality assuring dental radiographs and its relationship to radiation protection
- role of radiographs in dentistry including:
 - benefits and risks of dental radiography
 - digital radiography, what it is, how it is used and its advantages and disadvantages over conventional film-based radiography
 - extraoral films and applications
 - intraoral film sizes and applications
 - use of radiographs in diagnosing and monitoring dental disease.

Assessment Conditions

Skills must have been demonstrated in the dental clinic workplace with the addition of simulations and scenarios where the full range of contexts and situations cannot be provided in the workplace. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources including:
 - barrier protection equipment and/or materials
 - dental chair and unit
 - radiographic machine
 - operator and assistant protective equipment
 - radiographs and/or sensors
 - waste disposal equipment suitable for radiographic solutions and films
 - Dental Board of Australia guidelines on infection control on which the candidate bases the planning process
- modelling of industry operating conditions including access to real people for simulations and scenarios in dental assisting work.

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

In addition, assessors must hold a minimum of 5 years clinical experience in dental assisting work.

Links

Companion Volume implementation guides are found in VETNet -

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