



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **HLTDP604C Establish and record jaw relationships and select artificial teeth**

**Release: 1**

## **HLTDP604C Establish and record jaw relationships and select artificial teeth**

### **Modification History**

Not Applicable

### **Unit Descriptor**

#### **Descriptor**

This unit of competency describes the skills and knowledge required to create and outline the form of the dentures, record jaw relationships and select artificial teeth

Clients may be dentate or edentulous

All procedures are carried out in accordance with occupational health and safety policies and procedures, current infection control guidelines, Australian and New Zealand Standards, State/Territory legislative requirements and organisation policy

### **Application of the Unit**

#### **Application**

This unit applies to work in dental prosthetics at advanced diploma level

### **Licensing/Regulatory Information**

Not Applicable

## Pre-Requisites

### Pre-requisite units

This unit must be assessed after successful achievement of pre-requisites:

- HLTDP601C Identify, select and prepare instruments, equipment, materials as required
- HLTDP602C Gather data, conduct a dental prosthetic examination and develop treatment plan
- HLTDP603C Take impressions
- HLTIN301C Comply with infection control policies and procedures
- HLTIN302B Process reusable instruments and equipment in health work
- HLTOHS401A Maintain workplace OHS processes

## Employability Skills Information

### Employability Skills

This unit contains Employability Skills

## Elements and Performance Criteria Pre-Content

Elements define the essential outcomes of a unit of competency.

The Performance Criteria specify the level of performance required to demonstrate achievement of the Element. Terms in italics are elaborated in the Range Statement.

## Elements and Performance Criteria

### ELEMENT

### PERFORMANCE CRITERIA

1. Prepare client for procedure

- 1.1 Interpret prescription if referred from another source
- 1.2 Provide full details of the procedure to the client and/or carer
- 1.3 Prepare *personal protective equipment* for the client and members of the dental team

**ELEMENT****PERFORMANCE CRITERIA**

- |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2. Select technique, equipment and materials for recordings | 2.1 Select technique, <i>equipment and materials</i> that are appropriate for the procedure<br>2.2 Prepare and use equipment and materials in accordance with manufacturer's instructions                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 3. Record jaw relationships and occlusion                   | 3.1 Implement <i>aseptic techniques</i> to prevent the spread of infection<br>3.2 Position the client comfortably for the procedure<br>3.3 Instruct client on participation during the procedure<br>3.4 Ensure stability and comfort of registration rims<br>3.5 Observe centric and eccentric mandibular movements<br>3.6 Determine and record <i>functional measurements and dimensions</i><br>3.7 Consider referral if jaw relationship is unable to be determined<br>3.8 Check recordings by observation and repetition<br>3.9 Maintain integrity of the recording during extra-oral transfer<br>3.10 Ensure the client's well being prior to being dismissed |

**ELEMENT****PERFORMANCE CRITERIA****4. Select appropriate artificial teeth**

- 4.1 Ensure adequacy of natural and artificial light for *selection of colour and shade*
- 4.2 Consult client regarding aesthetic and functional requirements
- 4.3 Consider properties and composition of artificial teeth in relation to wear and aesthetics
- 4.4 Examine manufacturer's mould and shade guides
- 4.5 Select artificial teeth that are appropriate in shade, size and shape

## **Required Skills and Knowledge**

### **REQUIRED SKILLS AND KNOWLEDGE**

This describes the essential skills and knowledge and their level required for this unit.

#### *Essential knowledge:*

The candidate must be able to demonstrate essential knowledge required to effectively do the task outlined in elements and performance criteria of this unit, manage the task and manage contingencies in the context of the identified work role

This includes knowledge of:

- Applied oral anatomy
  - 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
- Client management techniques
- Current infection control guidelines
- Legal and ethical issues relating to: informed consent, duty of care, confidentiality, disability awareness
- Principles and practices which underpin interpersonal communication
- Principles of quality assurance and work effectiveness
- Relevant occupational health and safety policies and procedures
- Techniques for establishing and recording jaw relationships and occlusion
- The rationale and objectives for establishing and recording of jaw relationships and occlusion

## REQUIRED SKILLS AND KNOWLEDGE

### *Essential skills:*

It is critical that the candidate demonstrate the ability to

- Consistently prepare clients, environments, instruments and materials for registration teeth.
- Consistently determine the form of the upper rim during full denture construction
- Consistently record jaw relations
- Consistently comply with occupational health and safety procedures.
- Consistently implement standard precautions
- Consistently follow procedures to ensure client safety

In addition, the candidate must be able to effectively do the task outlined in elements and performance criteria of this unit, manage the task and manage contingencies in the context of the identified work role

This includes the ability to:

- Consistently apply standard and additional precautions during all prosthetic procedures
- Consistently select and prepare equipment and materials as required for establishing and recording of jaw relationships
- Consistently establish and record jaw relationships for clients who may be:
  - dentate
  - edentulous
- Consistently demonstrate interpersonal skills when relating to people from a range of social, cultural and religious backgrounds and physical and mental abilities
- Consistently demonstrate communication skills as required in fulfilling the job role as specified by the dental practice/organisation including:
  - acknowledging and responding to a range of views
  - active listening
  - asking for clarification from client and/or carer
  - asking questions
  - negotiation
- Consistently deal with conflict
- Consistently work with others and display empathy with client and relatives
- Consistently use problem solving skills required including:
  - planning and organising personal work activities
  - using available resources
- Consistently maintain equipment, instruments and materials
- Recognise, respond to and assist with dental and medical emergencies

## Evidence Guide

## EVIDENCE GUIDE

The evidence guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for this Training Package.

*Critical aspects for assessment and evidence required to demonstrate this competency unit:*

- The individual being assessed must provide evidence of specified essential knowledge as well as skills
- Observation of workplace performance is essential for assessment of this unit
- Consistent compliance with infection control guidelines, Australian and New Zealand Standards and legislative requirements as they relate to the dental prosthetist's specific job role
- Consistency of performance should be demonstrated over the required range of workplace situations

*Context of and specific resources for assessment:*

- Where, for reasons of safety, access to equipment and resources and space, assessment takes place away from the workplace, simulations should be used to represent workplace conditions as closely as possible

*Method of assessment*

- Evidence of essential knowledge and understanding may be provided by:
  - traditional or online (computer-based) assessment
  - questions during workplace assessment
  - written assignments/projects
- Case study and scenario as a basis for discussion of issues and strategies to contribute to best practice.
- Staff and/or client feedback
- Supporting statement of supervisor
- Authenticated evidence of relevant work experience and/or formal/informal learning
- Role play/simulation

## EVIDENCE GUIDE

- Access and equity considerations:*
- All workers in the health industry should be aware of access and equity issues in relation to their own area of work
  - All workers should develop their ability to work in a culturally diverse environment
  - In recognition of particular health issues facing Aboriginal and Torres Strait Islander communities, workers should be aware of cultural, historical and current issues impacting on health of Aboriginal and Torres Strait Islander people
  - Assessors and trainers must take into account relevant access and equity issues, in particular relating to factors impacting on health of Aboriginal and/or Torres Strait Islander clients and communities

## Range Statement

### RANGE STATEMENT

The Range Statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance.

*Personal protective equipment may include:*

- Examination gloves that comply with AS/NZS 4011 and surgical gloves that comply with AS/NZS 4179
- Footwear to protect from dropped sharps and other contaminated items
- Glasses, goggles or face-shields
- Gowns and waterproof aprons that comply with AS 3789.2 and AS 3789.3
- Guidelines for latex allergic clients and staff
- Surgical face masks that comply with AS 4381

## RANGE STATEMENT

*Equipment and materials may include:*

- Artificial teeth mould and shade guides
- Burner
- Face bow
- Instruments
- Intra-oral and extra-oral tracing
- Intra-oral recording devices
- Occlusal registration materials
- Waxes

*Aseptic techniques may include:*

- Cleaning of surfaces and management of spills
- Personal hygiene practices especially handwashing
- Reprocessing of instruments and equipment between client use
- Use of personal protective equipment

*Functional measurements and dimensions may include:*

- Customise the form of the upper rim including:
  - checking for stability of the registration rims
  - support of the upper lip
  - incisal level of the upper rim relative to the resting upper lip.
  - determining the anterior plane
  - centre line
  - high lip line
  - canine position
- Recording the jaw relationships
  - Vertical dimension
  - Centric relation

*Selection of colour and shade may include:*

- Brilliance
- Hue
- Saturation
- Translucency

*Selection of artificial teeth may include:*

- Selection of upper and lower anterior teeth
  - colour
  - size
  - shape

**RANGE STATEMENT**

- material
- Selection of posterior teeth types
  - colour
  - size
  - mould
  - material

**Unit Sector(s)**

Not Applicable