



**Australian Government**

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

# **HLTOPD404B Dispense atypical prescriptions**

**Release: 1**

## **HLTOPD404B Dispense atypical prescriptions**

### **Modification History**

Not Applicable

### **Unit Descriptor**

#### **Descriptor**

This unit of competency describes the skills and knowledge required to identify atypical prescriptions and to use measurements and calculations for planning an effective dispensing strategy

### **Application of the Unit**

#### **Application**

Work performed may include dispensing atypical optical appliances and undertaking minor corrections and repairs to these appliances

All tasks are conducted in accordance with industry standards, organisation policies and procedures, and infection control guidelines

### **Licensing/Regulatory Information**

Not Applicable

## Pre-Requisites

### Pre-requisite units

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

- HLTOPD401B Work effectively in the ophthalmic industry
- HLTOPD403B Dispense optical appliances and services

## 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

1. Evaluate the needs of clients requiring atypical optical *prescriptions*

### PERFORMANCE CRITERIA

- 1.1 Interpret the parameters of atypical prescriptions
- 1.2 Analyse the prescription and identify areas of freedom and constraints
- 1.3 Assess the individual needs and requirements of the client
- 1.4 Select possible frame/lens/treatment combinations to suit the individual client s requirements

**ELEMENT****PERFORMANCE CRITERIA**

- |                                                                                        |                                                                                                                                                         |
|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2. Determine the criteria influencing dispensing procedures for atypical prescriptions | 2.1 Perform measurements necessary to accurately dispense atypical prescriptions                                                                        |
|                                                                                        | 2.2 Perform any necessary calculations required to dispense the prescription accurately                                                                 |
|                                                                                        | 2.3 Evaluate the most appropriate course of action to be taken to meet the cosmetic, optical and functional needs of the atypical client                |
| 3. Dispense a range of atypical prescriptions                                          | 3.1 Select appropriate frames to suit a variety of atypical prescriptions                                                                               |
|                                                                                        | 3.2 Select appropriate lenses to suit the needs of atypical prescriptions                                                                               |
|                                                                                        | 3.3 Select and specify appropriate bevelling and edging requirements to enhance the cosmetics and quality of the spectacles                             |
|                                                                                        | 3.4 Select appropriate lens treatments or additional requirements to maximise the visual performance and enhance the quality of the finished spectacles |
|                                                                                        | 3.5 Measure and specify the most appropriate lens fitting criteria                                                                                      |
|                                                                                        | 3.6 Ensure the quality of the finished spectacles                                                                                                       |
|                                                                                        | 3.7 Fit and adjust the spectacles for the client ensuring that they are informed of the appropriate way to care for and use their spectacles            |

## 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

## REQUIRED SKILLS AND KNOWLEDGE

manage contingencies in the context of the identified work role

This includes knowledge of:

- Aphakic lenses including
  - aspheric lens design
  - centering
  - compensating for BVD change
  - edging,/bevelling treatments
  - full field lens design
  - general problems associated with dispensing aphakic lenses including jack-in-the-box effect and ring scotoma
  - lenticular designs
- Field of view including:
  - apparent v real
  - aspheric lenses
  - calculations
  - high minus corrections
  - high plus corrections
- High ametropia including:
  - back Vertex Power ( $F'_v$ ) Front Vertex Power ( $F_v$ )
  - compensated surface power
  - corrections
  - prescription requirements and constraints
  - thick lens power
  - types
- High minus lenses and negative lenticulars including:
  - centering
  - dispensing high index materials
  - edging/bevelling treatments
  - high index materials
  - lenticular types and designs
  - surface reflections and the need for AR and multi-coatings
- High prismatic corrections including:
  - edging/bevelling treatments
  - fresnels and their use
  - high horizontal prism
  - high vertical prism

*continued ...*

## REQUIRED SKILLS AND KNOWLEDGE

### *Essential knowledge (continued):*

- Handling aniso and antimetropia including
  - base curve selection
  - correcting vertical imbalance problems
  - effects of lens form (shape)
  - effects of thickness
  - prism differential
- Spectacle magnification including:
  - effects on visual acuity
  - positive v negative lenses
  - retinal image size

### *Essential skills:*

It is critical that the candidate demonstrate the ability 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:

- Calculate vertex distance and measurements including:
  - change in vertex distance
  - compensated power ( $F_c$ )
  - effective power ( $F_e$ )
  - effectivity
  - prescriptions requiring compensations
  - vertex distance measurement techniques
- Calculate differential prismatic effect and compensation using different sized segments or slab off bifocals
- Calculate field of view and determine ways to improve the field of view
- Calculate spectacle magnification and determine ways to reduce the effects of aniseikonia
- Compound and resolve prism

## Evidence Guide

### 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 actual or simulated workplace performance is essential for assessment of this unit
- Consistency of performance should be demonstrated over the required range of situations relevant to the workplace
- Where, for reasons of safety, space, or access to equipment and resources, assessment takes place away from the workplace, the assessment environment should represent workplace conditions as closely as possible

*Context of and specific resources for assessment:*

- Resources essential for assessment include:
  - Distometer
  - BVD calculator
  - BVD table
  - BVD rule
  - Pupillometer
  - Lens measure
  - Thickness callipers
  - PD rule

*Method of assessment*

- Observation in the work place (if possible)
- Written assignments/projects or questioning should be used to assess knowledge
- Case study and scenario as a basis for discussion of issues and strategies to contribute to best practice
- Questioning/Test

## 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

*Related units:*

This unit should be undertaken after or in conjunction with unit:

- HLTOPD407B Perform workshop skills and place orders

## 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. Add any essential operating conditions that may be present with training and assessment depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts.



**RANGE STATEMENT**

*Prescriptions may include:*

- High ametropia
- Anisometropia
- Prism
- Aphakia

*Equipment may include but is not limited to:*

- Distometer
- BVD calculator
- BVD table
- BVD rule
- Pupillometer
- Lens measure
- Thickness callipers
- PD rule

**Unit Sector(s)**

Not Applicable