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| **Unit code** | HLTOPD011 |
| **Unit title** | Process and manage optical appliance orders |
| **Modification History** | Release | Comments |
| Release 1 | HLTOPD011 Process and manage optical appliance orders supersedes and is equivalent to HLTOPD005 Process and manage optical appliance orders.Major changes to performance criteria and performance evidence including volume of performance and specification. Foundation skills made implicit. |
| **Application** | This unit describes the skills and knowledge required to place, check and service orders for spectacle frames and lenses.This unit applies to optical dispensers who work according to prescriptions provided by optometrists and ophthalmologists.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** | N/A |
| **Competency field** | Technology |
| **Unit sector** | Optical dispensing |
| **Elements** | **Performance criteria** |
| 1. Place optical appliance orders | 1.1 Interpret and transpose optical prescriptions to prepare for ordering1.2 Identify and follow up on inconsistencies with order details1.3 Document optical appliance orders using optical terminology and submit according to organisational procedures1.4 Respond to technical queries about optical appliance orders |
| 2. Check optical appliance orders | 2.1 Compare received optical appliance order with client record and confirm match to prescription and order specifications2.2 Organise equipment, attachments and materials required for checking optical appliances2.3 Check spectacles using telescopic focimeter and digital lensometer to verify lens powers, axes and centration2.4 Determine axis and centring errors and verify compliance with Australian/New Zealand standards tolerances2.5 Check ordered lens heights and ordered lens treatments2.6 Inspect lens surfaces for scratching and aberrations2.7 Check framed spectacles for standard alignment and strain and make adjustments to comply with Australian/New Zealand standards2.8 Record checks and adjustments made according to organisational procedures2.9 Clean spectacles using cleaning agents suited to the material2.10 Provide checked optical appliance to client |
| 3. Service optical appliance orders | 3.1 Inspect and identify maintenance and adjustment requirements for optical appliances3.2 Identify and refer repair work outside scope of own job role for specialised repair3.3 Perform minor repairs within the scope of own job role3.4 Make standard alignments and adjustments to optical appliances3.5 Hand edge lenses within scope of own job role according to organisation procedures |
| 4. Maintain equipment and attachments | 4.1 Clean equipment and attachments in accordance with manufacturer instructions and disinfection procedures4.2 Perform routine equipment maintenance according to organisational procedures and manufacturer instructions4.3 Store equipment and attachments according to organisational procedures and manufacturer instructions |
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| **Foundation skills**Foundation skills essential to performance are explicit in the performance criteria of this unit of competency. |

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| **Range of conditions**N/A |
| **Unit mapping information** | Supersedes and is equivalent to HLTOPD005 Process and manage optical appliance orders |
| **Links** | <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=ced1390f-48d9-4ab0-bd50-b015e5485705>  |

# Assessment Requirements template

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| **Title** | Assessment Requirements for HLTOPD011 Process and manage optical appliance orders |
| **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:* transposed at least 15 different optical prescriptions
* placed orders for each of the following on at least one occasion:
	+ spectacle lens edging
	+ plastic frames
	+ metal frames
	+ nyl-tag rimless
	+ tinted lenses
	+ single vision lenses
	+ bifocal lenses
	+ progressive lenses
* checked at least 10 different orders, including performing the following for each order:
	+ using telescopic focimeter and digital lensometer
	+ calculating minimum size uncut (MSU) using centration chart and by calculation to allow for PD and decentration for prism
	+ identifying completed spectacle lens thickness, including centre and edge
	+ rectifying off axis lenses to correct ordered axis
	+ neutralising lenses
	+ taking frame boxing measurements
	+ identifying and measuring powers, axes, additions, centration, segment height and pupillary distance (PD) and prism
* hand edged two pairs of spectacles to reduce the size and safety chamfer, including:
	+ one pair with plus-powered lenses
	+ one pair with minus-powered lenses
	+ at least one pair fitted to a metal frame
	+ at least one pair fitted to a shell (plastic) frame
* completed the following minor repairs and adjustments at least once:
	+ repairing and servicing nylon rim
	+ inserting lens
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| **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:* manufacturer light transmission curves and how to interpret them
* light transmission and absorption data and how to interpret
* vacuum coatings on lenses, including:
	+ absorptive tinted coatings
	+ handling, cleaning and care of coatings
	+ manufacturing processes
	+ multiple layer antireflection (AR) coatings
	+ single AR coating
	+ surface reflections and ghost images
* filter and tinted lens processes, including:
	+ Australian/New Zealand standards requirements for filter and tinted lenses
	+ types and limitations of equipment and instrumentation used for assessing filter and tinted lenses
* properties of lenses, including:
	+ curve selection and thickness
	+ Australian/New Zealand standards requirements
* frame measurement systems, including boxing and datum
* drilled rimless frames including mounts and rimless types and equipment needed
* principles and processing of chemical toughening of glass lenses
* metal and plastic shell frame material, including:
	+ heating
	+ manipulation
	+ adjusting, including shortening sides
	+ handling
	+ repairs
* standard nylon rims, including equipment needed
* impact resistant safety lenses, including:
	+ advantages and disadvantages
	+ Australian/New Zealand standards for general purpose and industrial use
	+ material properties, including glass, CR-39, Trivex, higher index plastic, polycarbonate and laminate
* automatic edging processes, including:
	+ machine designs
	+ machine operation
* edging and fitting techniques for single vision and bifocal and progressive lenses, including:
	+ lens edging and grooving techniques
	+ lens sizing
	+ hand chamfering
* scope of routine maintenance for optical equipment
* organisational procedures for equipment maintenance:
* routine checking of equipment
* preparation of a maintenance program
* regular back-ups of data
* maintaining a record of detected faults and actions taken
* regular workplace health and safety inspections
* checking repairs have been carried out
* problem solving techniques to reduce unwanted vertical and horizontal prism
* decentration and its impact on blank size selection
* techniques and safety requirements for soldering metal frames and sink joints
* current and emerging technology relevant to processing and managing optical appliance orders.
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| **Assessment conditions** | Assessment of performance evidence may be in a workplace setting or an environment that accurately represents a real workplace.The following conditions must be met for this unit:* use of suitable facilities, equipment and resources, including:
* hand edgers
* markers
* optical frame adjustment tools
* optical frame heater
* optical rulers
* parallel rules
* spectacle frames
* spectacle lenses
* telescopic focimeter and digital lensometer
* modelling of industry operating conditions, including:
* integration of time constraints
* integration of problem solving activities.

Assessors must satisfy the current Standards for Registered Training Organisations (RTOs) /AQTF mandatory competency requirements for assessors. |
| **Links** | <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=ced1390f-48d9-4ab0-bd50-b015e5485705>  |