Title
Apply advanced knowledge of skis, snowboards and bindings

Level
4
Credits
10

Purpose
People credited with this unit standard are able to: describe in detail the characteristics of a range of skis and snowboards; and describe the mechanism and function of bindings for skis or snowboards.

Classification
Snowsport > Snowsport Equipment

Available grade
Achieved

Entry information
Recommended skills and knowledge
Unit 13383, Apply knowledge of skis, snowboards, and bindings.

Explanatory notes
1 In the context of this unit standard skis refers to alpine, touring, Nordic and telemark skis.
3 In the context of this unit standard, the management refers to the management of the retail outlet.
4 DIN (Deutsch Industrial Norm) is defined as an international standard for binding manufacture.

Outcomes and evidence requirements

Outcome 1
Describe in detail the characteristics of a range of skis and snowboards.

Evidence requirements
1.1 Description identifies the materials used in the manufacture of a range of skis and snowboards.

Range materials may include but are not limited to – metal, composite materials, wood, fibreglass, base material.

1.2 Current construction methods of skis and snowboards are described and related to the specific ski or snowboard.

Range may include – sandwich, torsion, load bearing, monocoque.

1.3 Description outlines how the specific ski or snowboard functions.

Range functions may include – carving, gliding, pivoting, weighting, reverse bend, edging, sidecut, shape, effective edge, turning radius, dimensions, flex.

**Outcome 2**

Describe in detail the mechanism and function of bindings for skis and snowboards.

**Evidence requirements**

2.1 DIN specifications are described in relation to ski bindings.

2.2 Description outlines the mechanism and function of alpine and touring bindings.

Range for alpine bindings – mechanisms and functions must include DIN range, integrated brake, lifters, anti-friction devices, binding release devices, interface compatibility with skis;
for touring bindings – mechanisms and functions may include integrated brakes, release mechanisms, crampon ability, safety strap, risers.

2.3 Description outlines the mechanism and function of hard, soft and step-in snowboard bindings.

Range stance width and angle, toe-ward to heel-ward adjustment, highback adjustment, safety straps, buckle and ratchet systems.

2.4 Description outlines the mechanism and function of telemark and Nordic bindings.

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**Replacement information**

This unit standard and unit standard 4566 were replaced by unit standard 30137.

**This unit standard is expiring.** Assessment against the standard must take place by the last date for assessment set out below.
### Status information and last date for assessment for superseded versions

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<th>Process</th>
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### Consent and Moderation Requirements (CMR) reference

0099


### Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMR). The CMR also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.