

<b>Title</b>	<b>Benchmark a sports turf surface, and develop, implement and monitor a turf management plan</b>		
<b>Level</b>	<b>5</b>	<b>Credits</b>	<b>15</b>

<b>Purpose</b>	People credited with this unit standard are able to: benchmark a sports turf surface; and develop, implement, and monitor a sports turf management plan to achieve performance standards.
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<b>Classification</b>	Sports Turf > Sports Turf Management
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Legislation relevant to this unit standard includes but is not limited to:
  - Health and Safety at Work Act 2015; and any subsequent amendments.
  
- 2 Definitions
 

*Performance testing equipment* includes but is not limited to – laser level, straight edge, stimpmeter, inclined plane, Clegg hammer, rising disc, infiltration rings/permeameter tubes, traction apparatus, ball rebound apparatus, penetrometer, point quadrat, frame quadrat, smart level, irrigation catch cans.

*Playing surface standards and surface quality characteristics* may include but are not limited to – ball roll speed, ball rebound resilience, surface hardness, surface traction; surface levelness, smoothness; organic matter; infiltration rate/hydraulic conductivity; contamination; bulk density, moisture content; height of cut, surface cover, botanical composition.

*Workplace procedures* – the procedures and standards set by the client or employing organisation for development, implementation and monitoring of a sports turf management plan. Workplace procedures should reflect purpose and direction, current legislation, risk management, and sustainable practices.
  
- 3 For the purposes of assessment:
  - evidence must be based on an authentic sports turf organisation
  - evidence must be presented in accordance with workplace procedures.

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### Outcomes and performance criteria

#### Outcome 1

Benchmark a sports turf surface.

Range one of – cricket, golf, bowls, sportsfield, horse racing, tennis, synthetic surface.

**Performance criteria**

- 1.1 Identify objective sports turf surface criteria in consultation with stakeholders.
- 1.2 Communicate the desired performance criteria for selected sports turf surface to stakeholders.
- 1.3 Undertake field tests to determine current playing surface standards and surface quality characteristics for the selected site using performance testing equipment and methods.
- Range evidence of at least three tests is required.
- 1.4 Interpret the results of the performance testing, formulate conclusions and prepare a report for stakeholders on current performance of the surface.

**Outcome 2**

Develop, implement, and monitor a sports turf management plan to achieve performance standards.

**Performance criteria**

- 2.1 Develop a sports turf management plan and identify monitoring frequency to achieve pre-determined level of performance.
- 2.2 Implement the sports turf management plan, and regularly monitor the sports turf surface performance when the selected sports turf surface is under stress from use and environmental conditions, using the selected performance testing equipment.

<b>Replacement information</b>	This unit standard replaced unit standard 4270.
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<b>Planned review date</b>	31 December 2025
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	25 January 2018	31 December 2022
Review	2	28 January 2021	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0037
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

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**Comments on this unit standard**

Please contact Primary Industry Training Organisation [standards@primaryito.ac.nz](mailto:standards@primaryito.ac.nz) if you wish to suggest changes to the content of this unit standard.