

Title	Demonstrate and apply knowledge of sound for a performance context using control and enhancement processes		
Level	2	Credits	4

Purpose	People credited with this unit standard are able to demonstrate knowledge of sound control and enhancement processes required for a performance context and control and enhance sound in a performance context.
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Classification	Performing Arts General > Performing Arts Technology
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Available grade	Achieved, Merit, and Excellence
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Entry information	
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Recommended skills and knowledge	Unit standard 26687 <i>Demonstrate and apply knowledge of sound technology for a performance context</i> or demonstrate equivalent knowledge and skills.
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Criteria for Merit	<p>The candidate must be able to demonstrate integration of knowledge between the requirements of a performance context and the application of sound control and enhancement processes. The candidate uses technical language in making these links.</p> <p>The set-up and operation of the control and enhancement equipment is completed with some reference to the specified guidelines.</p>
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Criteria for Excellence	<p>The candidate must be able to demonstrate integration of knowledge between the requirements of a performance context and the application of sound control and enhancement processes. The candidate confidently and accurately uses technical language in making these links.</p> <p>The set-up and operation of the control and enhancement equipment is completed without reference to the specified guidelines.</p>
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Explanatory notes

- 1 This unit standard can be awarded with *Credit (Achieved)*, *Merit* or *Excellence*. For award with *Credit (Achieved)*, all outcomes must be achieved as specified in the outcome statements. For *Merit* or *Excellence* to be awarded, the candidate must meet the *Merit* or *Excellence* criteria specified above.
- 2 **Definitions**

Specifications means the specialised vocabulary associated with the features and functions of the equipment used to control or enhance sound.

Specified guidelines means a set of guidelines specifying how equipment must be rigged (positioned, secured, connected), labelled, operated and packed down. Candidates must be supplied with the guidelines prior to the assessment.

Technical requirements of the context means the techniques used to achieve the optimum fidelity for the context. This may include but is not limited to – placement and connection of equipment, use of settings on equipment to achieve unity gain or avoid feedback, pop, sibilance or breathing.
- 3 Candidates must be given access to sound equipment that has been certified as safe in order to complete assessment against this unit standard. The assessor must ensure that the power supply used in practical activities has sufficient capacity for the connected equipment. Equipment must be checked and verified by the assessor as being connected correctly prior to power up.
- 4 Candidates being assessed against this unit standard must demonstrate safe working practices at all times. These may include but are not limited to safe working practices in situations involving – exposure to noise, working at heights, working with electricity, using certified equipment, lifting, securing equipment safely, replacing and storing equipment, use of tools, use of supplied safety equipment, following manufacturer's instructions. Evidence of this can be provided by a teacher/tutor attestation or candidate's reflective statement. A useful reference for safe working practice is the Department of Labour publication *A Guide for Safe Working Practices in the New Zealand Theatre and Entertainment Industry*, 2007, which can be accessed at: <http://www.osh.govt.nz/order/catalogue/ipp/theatreguidelines11.pdf>.
- 5 **Legislation**

Health and Safety in Employment Act 1992, and its subsequent amendments.
- 6 **Range**

Control and enhancement processes include but are not limited to – equalisation (graphic and/or parametric), compression and/or limiting, delay, reverberation. Both hardware and/or virtual equipment may be used.

Performance context may include but is not limited to – a live performance situation requiring sound reinforcement; a studio recording situation; a location recording situation which may include such scenarios as theatre, dance, kapa haka, music performance, performance art, fashion show or moving image production. The context the candidate is being assessed in must be specified by the teacher/tutor.

Outcomes and evidence requirements

Outcome 1

Demonstrate knowledge of sound control and enhancement processes required for a performance context.

Evidence requirements

- 1.1 Sound control and enhancement processes are described in terms of the requirements of the performance context.
- Range requirements may include but are not limited to – separation of source signals, fidelity, placement in a mix, correction, creating special effects.
- 1.2 Sound control and enhancement processes are described in terms of their intended use and/or effect in the performance context.
- 1.3 Sound control and enhancement processes are described in terms of the equipment used, its features, their function, and specifications.
- Range a minimum of three features for each piece of equipment. specifications may include but are not limited to – frequency, Q, dynamic range, phase, signal to noise ratio; reverb time, decay time, compression ratio, attack time, release time.

Outcome 2

Control and enhance sound in a performance context.

Evidence requirements

- 2.1 Sound control and enhancement equipment is set-up, patched and operated according to specified guidelines and safe working practices.
- Range patch includes but is not limited to two of – channel insert, auxiliary bus, master out.
- 2.2 Sound control and enhancement processes are applied according to the function of the features of the equipment and the technical requirements of the performance context.

Replacement information	This unit standard replaced unit standard nnnnn. [Only appears if populated.]
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Planned review date	31 December 2014
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1		N/A

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

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 (CMRs). 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.

Comments on this unit standard

Please contact NZQA National Qualifications Services nqs@nzqa.govt.nz if you wish to suggest changes to the content of this unit standard.