

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

Purpose	People credited with this unit standard are able to demonstrate and apply knowledge of sound control and enhancement processes required for a performance context.
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Classification	Performing Arts General > Entertainment and Event Technology
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Available grade	Achieved, Merit, and Excellence
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Prerequisites	Unit 26687, <i>Demonstrate and apply knowledge of sound technology for a performance context.</i>
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Criteria for Merit	In demonstrating and applying knowledge of sound control and enhancement processes, the candidate uses technical language to make links between the requirements of a performance context, the intended use or effect of the equipment, the features, function, and specifications of the equipment and the application of sound control and enhancement processes.
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Criteria for Excellence	In demonstrating and applying knowledge of sound control and enhancement processes, the candidate uses technical language confidently to justify the links between the requirements of a performance context, the intended use or effect of the equipment, the features, function, and specifications of the equipment and the application of sound control and enhancement processes.
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Guidance Information

- 1 This unit standard can be awarded with an *Achieved*, *Merit* or *Excellence*. For the *Achieved* grade to be awarded, all outcomes must be achieved as specified in the outcome statements. For *Merit* or *Excellence* grades 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 language means the specialised terminology associated with sound for performing arts and may include but is not limited to – specifications, relevant jargon, trade names, acronyms.

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 Entertainment Technology New Zealand publication *A Guide for Safe Working Practices in the New Zealand Theatre and Entertainment Industry*, 2011, which can be accessed at <http://www.etnz.org>.
- 5 Legislation
Health and Safety at Work Act 2015, and its subsequent amendments.
- 6 Range
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 performance criteria

Outcome 1

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

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

Performance criteria

- 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.
- 1.4 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.
- 1.5 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.

Planned review date	31 December 2019
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	19 April 2012	31 December 2017
Revision	2	17 July 2014	31 December 2017
Rollover and Revision	3	21 April 2016	N/A
Rollover and Revision	4	26 October 2017	N/A

Consent and Moderation Requirements (CMR) reference	0099
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Skills Active Aotearoa Limited info@skillsactive.org.nz if you wish to suggest changes to the content of this unit standard.