

Training Package	Entertainment (CUE03)/Music (CUS01)	HSC Requirements and Advice
Title	Record sound	
Unit code CUSSOU04A	Unit Descriptor This unit describes the skills and knowledge required to record sound, using a variety of digital and analogue recording equipment in a studio or on location for a production in the cultural industries.	HSC Indicative Hours 20

Evidence Guide

Underpinning knowledge and skills	Linkages to other units	Resource requirements
<p>Assessment <u>must</u> include evidence of essential knowledge of, and skills in, the following areas:</p> <ul style="list-style-type: none"> • knowledge of principles and practice of sound • operational knowledge of a range of microphones • sound equipment and technical knowledge • critical listening and aural discrimination • communication skills • knowledge of occupational health and safety practices. 	<p>This unit has strong linkages to the following units and combined training delivery and/or assessment is recommended:</p> <ul style="list-style-type: none"> • CUSSAF02A Follow health, safety and security procedures in the music industry. 	<p>There are significant resource implications for the assessment of this unit, as indicated by the range of variables statement.</p> <p>Assessment <u>requires</u> access to a range of equipment listed in the range of variables statement currently used by the industry.</p>

Method and context of assessment	Critical aspects of evidence
<p>Assessment may take place on the job, off the job or a mix of both. Off the job assessment must be undertaken in a closely simulated workplace environment.</p> <p>Assessment methods must include observation of a practical demonstration. Direct observation may need to occur on more than one occasion to establish consistency of performance. Methods to assess essential underpinning knowledge may include:</p> <ul style="list-style-type: none"> • work samples or simulated workplace activities • oral questioning/interview • projects/reports/logbooks • third party reports and authenticated prior achievements • portfolios of evidence. 	<p>Assessment <u>must</u> ensure that a sufficient range of recording circumstances and conditions are covered.</p> <p>The following evidence <u>is critical</u> to the judgement of competence in this unit:</p> <ul style="list-style-type: none"> • technical knowledge of a range of audio recording equipment • knowledge and application of relevant OHS practices and legislation.

Key competencies

Key competencies	Level
Collecting, organising and analysing information	2
Communicating ideas and information	2
Planning and organising activities	2
Working with others and in teams	2
Solving problems	1
Using mathematical ideas and techniques	2
Using technology	2

Element	Performance Criteria	Range of Variables
1 Prepare to record sound	1.1 Ensure that equipment, accessories and all components are in good condition and working order and meet production requirements.	<p>Audio equipment <u>includes</u>:</p> <ul style="list-style-type: none"> • digital and analogue recording devices • amplifiers • equalisers • mixers - mono, stereo • mixing console • CD player/burner • DAT recorder • reel to reel hard disc recorder • mini disc • DVD • computer technology and associated software. <p>Relevant production requirements may include:</p> <ul style="list-style-type: none"> • duration • style • content • budget • deadlines • location • audience • purpose • contractual • confidentiality • intellectual property • copyright • schedule • direct quotes • attributions • interviews. <p>Working environments may include:</p> <ul style="list-style-type: none"> • studio • recording studio • sound stage • location/site • continuity/network control point • post-production area/dubbing theatre.
	1.2 Set up, connect and align equipment and cabling according to safety regulations and production requirements.	

Element	Performance Criteria	Range of Variables
	1.3 Conduct sound check and test the recorded line-up to ensure the level, frequency, signal to noise ratio meets required standards.	Microphones <u>includes</u> : <ul style="list-style-type: none"> • shotgun • dynamic • condenser • PZM (pressure zone microphone) • lapel.
	1.4 Rectify any faults/problems and/or refer to the appropriate personnel prior to commencement of production.	Communication tasks may include: <ul style="list-style-type: none"> • verbal fault reports to appropriate personnel • notes on faults and problems.
	1.5 Ensure that all documentation and labelling is accurate, legible and up to date, and meets with production requirements.	Material to be read and/or interpreted may include: <ul style="list-style-type: none"> • production schedule • track sheets • organisation standards • occupational health and safety requirements • text requirements • performers' requirements. Relevant production requirements may include: <ul style="list-style-type: none"> • duration • style • content • budget • deadlines • location • audience • purpose • contractual • confidentiality • intellectual property • copyright • schedule • direct quotes • attributions • interviews.
2 Record sound	2.1 Ensure that run up time is sufficient to allow stable sound recording.	

Element	Performance Criteria	Range of Variables
	2.2 Equalise sound for optimal quality.	Microphone patterns may include: <ul style="list-style-type: none"> • omni • uni • bi-directional • cardoid.
	2.3 Apply appropriate signal processing.	
	2.4 Monitor the sound recording for quality, audible defects and extraneous background sound throughout the production and communicate defects immediately to relevant personnel to enable defects to be rectified.	Relevant personnel may include: <ul style="list-style-type: none"> • producers • directors • artists • broadcasters • performers • program managers • other technical staff • other specialist staff.
	2.5 Ensure that background sound levels are consistent and suitable for any post production should this be necessary.	
	2.6 Deal with problems promptly and effectively throughout the sound recording process either autonomously or by communicating to relevant personnel as required.	
	2.7 Comply with copyright regulations as appropriate.	