

**SKILLS FRAMEWORK FOR MEDIA  
TECHNICAL SKILLS AND COMPETENCIES (TSC) REFERENCE DOCUMENT**

<b>TSC Category</b>	Production Technical Services					
<b>TSC Title</b>	Sound Recording Operations					
<b>TSC Description</b>	Manage the sound recording set-up and operations during productions					
<b>TSC Proficiency Description</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Level 4</b>	<b>Level 5</b>	<b>Level 6</b>
			<b>MED-MPN-3044-1.1</b>	<b>MED-MPN-4044-1.1</b>	<b>MED-MPN-5044-1.1</b>	
			Execute the set-up and operations of sound recording equipment to capture quality sound	Customise sound recording set-up to capture sound in multi-faceted recording environments	Develop plans to execute sound recording to meet production requirements	
<b>Knowledge</b>			<ul style="list-style-type: none"> <li>Principles of sound, hearing and acoustics</li> <li>Types of audio signals</li> <li>Types of recording medium</li> <li>Types of accessories for microphones and sound recording equipment</li> <li>Performance characteristics of various types of microphones and sound recording equipment</li> <li>Techniques to operate microphones and sound recording equipment</li> <li>Relevant workplace safety and health regulations</li> <li>Safety precautions when handling equipment</li> </ul>	<ul style="list-style-type: none"> <li>Structure and language of scripts</li> <li>Principles and techniques of sound recording</li> <li>Types of recording set-ups and strategies</li> <li>Mechanics of microphones and sound recording equipment</li> <li>Limitations associated with various types of microphones and sound recording equipment</li> <li>Sound capture technologies</li> </ul>	<ul style="list-style-type: none"> <li>Limitations associated with various types of sound recording equipment</li> <li>Principles of sound acoustics</li> <li>Techniques to assess acoustics in environments</li> <li>Factors that impact quality of sound recordings</li> <li>Types of innovative recording set-ups and strategies</li> <li>Technologies of sound capture</li> <li>Sound synchronisation time codes and protocols</li> <li>Best practices in file management and documentation</li> </ul>	
<b>Abilities</b>			<ul style="list-style-type: none"> <li>Analyse technical requirements to identify appropriate boom, microphones, sound recording equipment and accessories needed for production</li> <li>Evaluate location environment, ambient</li> </ul>	<ul style="list-style-type: none"> <li>Interpret scripts to identify sound sources and requirements</li> <li>Recommend changes to boom equipment, sound recording equipment and accessories based on technical requirements</li> </ul>	<ul style="list-style-type: none"> <li>Assess acoustics in recording environments to determine sound recording equipment and accessories that meet production requirements</li> <li>Outline detailed implementation plans for sound capture</li> </ul>	

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			<p>sound and movements of subjects to determine positioning of equipment and boom to optimise sound capture</p> <ul style="list-style-type: none"> <li>• Set up sound recording equipment at appropriate locations according to technical specifications</li> <li>• Align sound recording equipment to match sound recording levels between source and destination</li> <li>• Check microphones and sound recording equipment before production to ensure microphone signals are routed to correct signal paths at the required levels</li> <li>• Move sound recording equipment in reaction to scenes to ensure they do not appear on screen and cast shadows on subjects</li> <li>• Monitor quality of sound recordings to ensure that it meets production requirements</li> <li>• Perform basic maintenance on equipment to ensure it is prepared for next round of recording</li> </ul>	<p>for optimum sound capture</p> <ul style="list-style-type: none"> <li>• Configure boom and sound recording equipment to compensate for variables that impact sound quality</li> <li>• Supervise the set-up of sound recording equipment to ensure alignment to technical specifications</li> <li>• Anticipate issues with the movement of the boom and resolve them proactively</li> <li>• Collaborate with production teams to resolve technical problems with boom microphones</li> <li>• Revise positioning of the boom and sound recording equipment for complex shots to improve sound capture</li> <li>• Inspect equipment to ensure that it is correctly fitted and complies with technical requirements</li> <li>• Guide movements of boom to capture sound in multi-faceted recording environments</li> <li>• Assess quality of sound recordings to recommend next course of action</li> </ul>	<ul style="list-style-type: none"> <li>• Develop procedures to resolve anticipated technical issues that may occur during recordings</li> <li>• Oversee sound implementation plan to ensure that it meets production requirements</li> <li>• Develop alternative plans and solutions to resolve anticipated creative and technical issues that may occur during productions</li> <li>• Provide guidance to the production teams to capture sound recording</li> <li>• Guide the creation of log sheets to document sound qualities for post-production</li> <li>• Review recorded sound files to ensure files are backed up according to file management procedures</li> </ul>	
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