

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

<b>TSC Category</b>	Production Technical Services					
<b>TSC Title</b>	Camera Operations					
<b>TSC Description</b>	Manage the set-up and operations of various types of cameras, lenses and camera accessories for the production of film or television content					
<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-1034-1.1</b>	<b>MED-MPN-2034-1.1</b>	<b>MED-MPN-3034-1.1</b>	<b>MED-MPN-4034-1.1</b>		
	Carry out instructions to prepare camera equipment needed for productions	Support the operation of cameras during productions	Operate cameras to frame and compose images according to technical specifications and production styles	Direct camera operations to create visual outputs that align with required style of productions		
<b>Knowledge</b>	<ul style="list-style-type: none"> <li>Types of camera manufacturers and vendors</li> <li>Types of camera equipment and accessories used commonly in productions</li> <li>Instructions to set up various types of camera equipment and accessories</li> <li>Techniques to inspect equipment</li> <li>Production and shot information recorded on slate</li> <li>Slating techniques</li> <li>Techniques to replace accessories</li> <li>Transport and storage requirements needed for various types of camera equipment and accessories</li> <li>Relevant equipment documentation</li> <li>Safety regulations and procedures pertaining to camera operations</li> </ul>	<ul style="list-style-type: none"> <li>Techniques to estimate quantities of camera accessories and recording media needed</li> <li>Visual effects created from various types of camera lenses</li> <li>Types of focus parameters that affect calculations</li> <li>Impact of focal distances on quality of shot</li> <li>Technical specifications for various types of camera lenses</li> <li>Techniques to maintain equipment and accessories</li> <li>Safety regulations and procedures pertaining to camera operations</li> </ul>	<ul style="list-style-type: none"> <li>Technical specifications for various types of camera equipment and accessories</li> <li>Feature and functions of various types of camera equipment and accessories</li> <li>Instructions to operate different types of cameras</li> <li>Types of camera positions to shoot and frame shots</li> <li>Principles of picture composition</li> <li>Cinematography techniques</li> <li>Speciality camera equipment and accessories</li> <li>Safety regulations and procedures pertaining to camera operations</li> </ul>	<ul style="list-style-type: none"> <li>Concepts of visual storytelling</li> <li>Techniques to capture complex shots</li> <li>Principles of cinematography and other factors that impacts overall visuals</li> <li>Principles of composition and continuity</li> <li>Focus requirements and camera positions for various types of cameras</li> <li>Types of specialty camera equipment and accessories</li> <li>Budgetary guidelines of production</li> <li>Production safety guidelines and protocols</li> </ul>		
<b>Abilities</b>	<ul style="list-style-type: none"> <li>Execute instructions to source for required</li> </ul>	<ul style="list-style-type: none"> <li>Check camera equipment and</li> </ul>	<ul style="list-style-type: none"> <li>Interpret detailed shot plans to understand</li> </ul>	<ul style="list-style-type: none"> <li>Assess requirements in visual briefs to determine</li> </ul>		

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	<p>camera equipment and accessories from vendors</p> <ul style="list-style-type: none"> <li>• Set up camera equipment and accessories according to technical specifications</li> <li>• Adjust camera settings according to technical specifications</li> <li>• Administer appropriate tests on camera accessories to ensure that they are in good working condition</li> <li>• Operate slate following slating protocols for each shot</li> <li>• Replace camera accessories as instructed by production teams</li> <li>• Apply Look-Up Table (LUT) to recorded footage for the production team's review</li> <li>• Dismantle camera equipment after shooting to keep them in proper storage cases</li> <li>• Organise appropriate arrangements to move and store equipment safely</li> <li>• Complete all relevant equipment paperwork to record usage of equipment and accessories</li> </ul>	<p>accessories list to ensure that the correct equipment and accessories are functional, prepared and sufficient for the duration of productions</p> <ul style="list-style-type: none"> <li>• Measure optimum focal distances required to create a sharp focus on primary subjects</li> <li>• Plot required focal points on sets, floor and props to guide production teams</li> <li>• Make changes to back focus according to instructions from production teams</li> <li>• Fit camera lenses and accessories on equipment to achieve required visual effects</li> <li>• Change focus of camera lenses to capture movements of primary subject within the frame of shots</li> <li>• Perform basic routine maintenance on equipment to ensure it is prepared for next round of shooting</li> <li>• Check that equipment is stored correctly to protect them from damage</li> </ul>	<p>production styles and technical requirements</p> <ul style="list-style-type: none"> <li>• Coordinate with production teams to capture complex camera shots that require the use of mounting equipment</li> <li>• Inspect equipment to ensure that it is correctly fitted and complies with technical requirements</li> <li>• Operate cameras to record sequences that meet the aesthetic requirements of productions</li> <li>• Control camera movements to achieve desired framing and composition safely</li> <li>• Alter camera equipment and settings to compensate for variables which impact the quality of footage</li> <li>• Provide feedback on camera angles and movements to enhance visual effects of a shot</li> </ul>	<p>camera equipment and accessories needed for production</p> <ul style="list-style-type: none"> <li>• Facilitate collaboration with production teams to capture shots required for each scene</li> <li>• Develop detailed shot plans to outline required camera angles, movements and parameters needed for scenes</li> <li>• Oversee the set-up and preparation process to ensure alignment with production and technical plans</li> <li>• Review footage to ensure that shots are framed in a manner that achieves continuity and seamless transition between shots</li> <li>• Develop alternative plans and solutions to resolve anticipated technical issues that may occur during productions</li> <li>• Adapt parameters, camera techniques and movements to enhance overall visual effects and outputs</li> <li>• Provide technical guidance to production teams to capture complex shots that require the use of mounting equipment</li> </ul>		
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