

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

<b>TSC Category</b>	Production Technical Services					
<b>TSC Title</b>	High Speed Camera Operations					
<b>TSC Description</b>	Manage the set-up and operations of high speed cameras and associated equipment for content productions to capture clear visuals and deliver slow-motion effects in situations involving fast motions					
<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-2036-1.1</b>	<b>MED-MPN-3036-1.1</b>	<b>MED-MPN-4036-1.1</b>		
		Support the operation of high speed cameras used during productions	Operate the high speed camera to frame and compose images according to technical specifications and production styles	Direct high speed camera operations to create visual outputs that aligns with required styles of production		
<b>Knowledge</b>		<ul style="list-style-type: none"> <li>Processes involved in high speed photography</li> <li>Types of high speed cameras, lenses and accessories</li> <li>Set-up methods and techniques for different types of high speed camera</li> <li>Various types of movement analysis software</li> <li>Storage methods and techniques for captured footage</li> <li>Various types of film stock</li> <li>Workplace safety and health regulations and procedures pertaining to camera operations</li> </ul>	<ul style="list-style-type: none"> <li>Principles of high speed photography</li> <li>Processes involved in high speed photography</li> <li>Characteristics of flash units</li> <li>Feature, functions and limitations of different types of high speed camera equipment, lenses and accessories</li> <li>Techniques of using triggers to detect movement of high speed objects in order to synchronise elements in high speed footage</li> <li>Features and functions of different types of movement analysis software</li> <li>Characteristics and limitation of different types of film stock</li> <li>Workplace safety and health regulations and procedures pertaining to camera operations</li> </ul>	<ul style="list-style-type: none"> <li>Principles of high speed photography</li> <li>Characteristics of flash units</li> <li>Capabilities and limitations of high speed camera equipment, lenses and accessories</li> <li>Emerging technologies in high speed camera equipment and accessories</li> <li>Visualisation of sequences needed for camera operator to capture desired footage that is aligned with overall artistic direction of production</li> <li>Workplace safety and health guidelines and protocols</li> <li>Budgetary guidelines of the productions</li> </ul>		
<b>Abilities</b>		<ul style="list-style-type: none"> <li>Complete technical set-up of high speed camera</li> </ul>	<ul style="list-style-type: none"> <li>Determine the type of high speed cameras,</li> </ul>	<ul style="list-style-type: none"> <li>Approve the type of high speed camera, lenses</li> </ul>		

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		<p>with requisite equipment, lenses and accessories</p> <ul style="list-style-type: none"> <li>• Prepare shooting sites to ensure optimal workplace safety and health and shooting conditions according to instructions</li> <li>• Procure necessary supplies for shoots</li> <li>• Prepare lighting sources</li> <li>• Organise selected footage at the end of the shoots</li> <li>• Dismantle camera equipment after shooting to keep them in proper storage cases</li> <li>• Comply with workplace safety and health regulations and guidelines during production</li> </ul>	<p>lenses and accessories to use for shoots</p> <ul style="list-style-type: none"> <li>• Determine the type of movement analysis software to be used</li> <li>• Determine the position and intensity of the lighting source required</li> <li>• Communicate to stakeholders the full workflow of the shoot and the preparations for the shooting site</li> <li>• Program the necessary triggers needed to synchronise high speed footage</li> <li>• Capture images based on the overall artistic direction outlined for the production</li> <li>• Administer frequent checks to ensure production teams comply with work processes and workplace safety and health regulations</li> </ul>	<p>and accessories to use by analysing creative and budgetary factors</p> <ul style="list-style-type: none"> <li>• Create a workflow for all crew to follow based on the overall production schedule</li> <li>• Manage entire shooting crew to ensure that workplace safety and health guidelines and protocols are upheld</li> </ul>		
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