

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

TSC Category	Production Technical Services					
TSC Title	Multi-Camera Operations					
TSC Description	Manage the set-up and operations of multiple cameras for films or television productions					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
		MED-MPN-2040-1.1	MED-MPN-3040-1.1	MED-MPN-4040-1.1		
		Support the operation of multiple cameras used during productions	Operate multiple cameras to frame and compose images according to technical specifications and production styles	Direct multiple camera angles and movements to create visual outputs that align with required production styles		
Knowledge		<ul style="list-style-type: none"> Techniques to estimate quantities of camera accessories and recording media needed Types of cameras and equipment required in a multi-camera production Technical specifications for various types of equipment and accessories Techniques to set up, maintain and inspect equipment and accessories Techniques to replace accessories Transport and storage requirements needed for various types of camera equipment and accessories Relevant equipment documentation Safety regulations and procedures pertaining to camera operations 	<ul style="list-style-type: none"> Communication chains and protocols in talkback systems Types of abbreviations and non-verbal cues used for communication Features and functions in talkback systems Roles and responsibilities of production teams in a multi-camera shooting environment Instructions to operate cameras and equipment in a multi-camera shoot Feature and functions in various types of multi-camera equipment and accessories Types of camera positions to shoot and frame shots Cinematography techniques Principles of picture composition Safety regulations and procedures pertaining to camera operations 	<ul style="list-style-type: none"> Concepts of visual storytelling Principles of cinematography and other factors that impact overall visuals Principles of composition and continuity Focus requirements and camera positions for various types of cameras Types of innovative camera equipment and accessories Types of external viewfinder feeds for various production types Production safety guidelines and protocols 		

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<p>Abilities</p>		<ul style="list-style-type: none"> • Prepare camera equipment and accessories to ensure that the correct equipment and accessories are prepared and sufficient for the duration of productions • Assemble camera equipment and accessories according to technical specifications • Change camera settings according to technical specifications • Perform routine checks on equipment to ensure that equipment is in good working condition for shoot • Replace camera accessories quickly to minimise disruptions to shooting schedules • Perform basic maintenance on equipment to ensure it is prepared for next round of shooting • Organise appropriate arrangements to move and store equipment safely • Complete all relevant equipment paperwork to record usage of equipment and accessories 	<ul style="list-style-type: none"> • Interpret detailed shot plans to understand production styles and technical requirements • Inspect equipment to ensure that it is correctly fitted and complies with technical requirements • Use appropriate abbreviations and non-verbal cues to communicate information to production teams • Interpret talkback information and non-verbal cues to execute required camera shots at the appropriate timings • Operate multi-camera equipment to capture visuals at the right moment • Control camera movements to achieve desired framing and composition safely • Provide feedback on camera angles and movements to enhance visual effects of shots • Dismantle camera equipment after shooting to keep them in proper storage cases 	<ul style="list-style-type: none"> • Assess location and environment conditions in visual briefs to determine camera equipment and accessories needed for production • Determine the broad positioning of cameras to cover all required shots • Develop detailed shot plans to outline required camera angles, movements and parameters needed for various scenarios • Oversee the set-up and preparation process to ensure alignment with production and technical plans • Develop alternative plans and solutions to resolve anticipated technical issues that may occur during productions • Review feeds from production monitors to determine the right timing for transitions between shots • Coordinate the operation of all cameras to ensure alignment for appropriate coverage of shots • Provide technical feedback to enhance the overall visual outputs for production 		
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