

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

TSC Category	Production Technical Services					
TSC Title	Cranes, Remote Heads and Jibs Operations					
TSC Description	Manage the set-up and operations of cameras with cranes, remote heads and jibs to capture visuals in difficult to reach positions and angles, for the purpose of content production					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
		MED-MPN-2035-1.1	MED-MPN-3035-1.1	MED-MPN-4035-1.1		
		Support the operation of cranes and remote head cameras used during productions	Operate cranes and remote head cameras to frame and compose images according to technical specifications and production styles	Direct cranes and remote head camera angles and movements to create visual outputs that align with required styles of production		
Knowledge		<ul style="list-style-type: none"> Types of cranes and remote head cameras, lenses and accessories Instructions to set up cameras on cranes and remote head camera systems and equipment Operating characteristics of camera display interface Basic understanding of physics, loads and counter weights Appropriate footage storage methods Relevant documents to obtain licenses and approvals for crane and remote head camera shoot Safety regulations and procedures pertaining to camera operations 	<ul style="list-style-type: none"> Assembling methods and operating characteristics of different types of cranes, boom and jib structures Features, functions and limitations of different types of cranes and remote head camera equipment, lenses and accessories Application methods of physics, loads and counter weights Operating procedures of camera display interface Cues for the movement of cranes and remote head cameras Awareness of spatial limitations of shooting sites Safety regulations and procedures pertaining to camera operations 	<ul style="list-style-type: none"> Principles of operating different types of cranes, boom and jib structures Capabilities and limitations of cranes and remote head camera equipment, lenses and accessories Emerging technologies in cranes and remote head camera equipment and accessories Visualisation of sequences needed for camera operator to capture desired footage that is aligned with overall artistic direction of productions Impact of disruptions of crane and remote head camera operations on overall production workflow Production safety guidelines and protocols Budgetary guidelines of the productions 		

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<p>Abilities</p>		<ul style="list-style-type: none"> • Set up cranes and remote head camera rigging structures • Calculate counter balance requirements • Support main camera operator during camera operations • Assist the main camera operator in moving the crane and remote head camera to the necessary position • Dismantle the camera structure • Organise footage captured at the end of every day • Perform basic routine maintenance on equipment to ensure it is prepared for next round of shooting • Dismantle camera equipment after shooting to keep them in proper storage cases • Comply with safety regulations and guidelines during productions 	<ul style="list-style-type: none"> • Determine the type of cranes and remote head camera, lenses and accessories to use for the shoots • Determine the type of rigging structure needed for the cranes and remote head cameras • Determine the necessary permits and safety documentation needed for the shoots • Check the stability of cranes before personnel is asked to mount the structures • Operate the cranes and remote head camera during shoots • Capture images based on the overall artistic direction outlined of the production • Manoeuvre the camera structure according to given cues to capture the intended image • Manage the rigging crew based on the workflow of the shoot • Administer frequent checks to ensure production teams comply with work processes and workplace health and safety regulations 	<ul style="list-style-type: none"> • Approve the type of cranes and remote head camera, lenses and accessories to use by analysing creative and budgetary factors • Create a workflow for all staff to follow based on the overall production schedule • Manage entire shooting crew to ensure that safety guidelines and protocols are upheld • Direct camera angles and movements by giving appropriate situational cues to ensure images captured are aligned with overall artistic direction of the productions • Outline safety guidelines and protocols for entire shooting process • Provide risk assessment of the operation and ensure that the operating environment complies with industry guidelines 		
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