

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

<b>TSC Category</b>	Production Technical Services					
<b>TSC Title</b>	Underwater Camera Operations					
<b>TSC Description</b>	Manage the set-up and operation of types of underwater cameras, lenses and accessories for the production of 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-2048-1.1</b>	<b>MED-MPN-3048-1.1</b>	<b>MED-MPN-4048-1.1</b>		
		Support the operation of underwater cameras used during productions	Operate underwater cameras to frame and compose images according to technical specifications and production styles	Direct underwater camera operations to create visual outputs that align with required production styles		
<b>Knowledge</b>		<ul style="list-style-type: none"> <li>Types of diving equipment</li> <li>Types of underwater cameras, lenses and accessories</li> <li>Principles of underwater photography</li> <li>Operating characteristics and procedures of underwater camera display interface</li> <li>Underwater camera focusing methods</li> <li>Operating characteristics and procedures of underwater communication system</li> <li>Relevant documents to obtain licenses and approvals for underwater shoots</li> <li>Safety regulations and procedures pertaining to camera operations</li> </ul>	<ul style="list-style-type: none"> <li>Certified advanced level diving license from a recognised organisation</li> <li>Features, functions and limitations of different types of underwater camera equipment, lenses and accessories</li> <li>Features, functions and limitations of different types of flash strobes</li> <li>Principles of underwater photography</li> <li>Operating characteristics and procedures of underwater communication system</li> <li>Manoeuvring techniques of underwater camera at varying water depths</li> <li>Water conditions and underwater landscape</li> <li>Process for obtaining licenses and approvals for underwater shoots</li> <li>Safety regulations and procedures pertaining to camera operations</li> </ul>	<ul style="list-style-type: none"> <li>Capabilities and limitations of different types of underwater cameras</li> <li>Emerging technologies in underwater camera equipment, lenses and accessories</li> <li>Visualisation of underwater sequences that is aligned with overall artistic direction of production</li> <li>Production safety guidelines and protocols</li> <li>Budgetary guidelines of productions</li> </ul>		
<b>Abilities</b>		<ul style="list-style-type: none"> <li>Set up underwater camera display interface</li> </ul>	<ul style="list-style-type: none"> <li>Determine type of underwater cameras,</li> </ul>	<ul style="list-style-type: none"> <li>Approve the type of underwater camera, lenses and accessories</li> </ul>		

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

		<ul style="list-style-type: none"> <li>• Set up underwater communication system</li> <li>• Support main camera operator during camera operations</li> <li>• Communicate with camera operator on visual output quality when camera operator is shooting underwater</li> <li>• Adjust camera focus from above water using necessary software</li> <li>• Dismantle camera equipment after shooting to keep them in proper storage cases</li> <li>• Comply with safety regulations and guidelines during productions</li> </ul>	<ul style="list-style-type: none"> <li>• lenses and accessories to use for the shoots</li> <li>• Determine the location of the shooting sites based on understanding of underwater landscape and conditions</li> <li>• Coordinate the availability of necessary permits and safety documentation needed for the shoots</li> <li>• Check diving equipment of camera operator to ensure safety</li> <li>• Monitor safety clearance procedures and ensure all necessary steps are completed before the shoot begins</li> <li>• Operate underwater camera at varying water depths during shoots utilising body manoeuvring to achieve desired camera angles</li> <li>• Capture images based on the overall artistic direction outlined for the production</li> <li>• Communicate with production team on quality of footage captured and make adjustments to shooting methods</li> <li>• Conduct frequent checks to ensure production teams comply with work processes and workplace health and safety regulations</li> </ul>	<ul style="list-style-type: none"> <li>• to use by analysing creative and budgetary factors</li> <li>• Create a shoot workflow for camera crew to follow based on the overall production schedule</li> <li>• Manage entire shooting crew to ensure that safety guidelines and protocols are upheld</li> <li>• Direct camera operations needed to capture desired images that are aligned with the overall artistic direction of productions</li> <li>• Provide risk assessment of the operation and ensure that the operating environment complies with industry guidelines</li> </ul>		
--	--	---	---	--	--	--