

SKILLS FRAMEWORK FOR MEDIA				
SKILLS MAP - 1ST ASSISTANT CAMERAMAN/FOCUS PULLER* (SPECIALTY CAMERA OPERATION)				
<b>Sector</b>	Media			
<b>Sub-sector</b>	Film and Video, TV and Broadcast			
<b>Track</b>	Production Technical Services			
<b>Sub-track</b>	Camera			
<b>Occupation</b>	Camera Professional			
<b>Job Role</b>	1st Assistant Cameraman/Focus Puller* (Specialty Camera Operation)			
<b>Job Role Description</b>	<p>The 1st Assistant Cameraman/Focus Puller supports the shooting operations for various types of camera equipment including specialty cameras. He/She is responsible for maintaining focus between the lens and subjects. He does this by setting up a complex set of indicators placed on the set, floor or props during rehearsal. He collaborates with various production teams to ensure a consistent focus during the shoot. In addition to focus pulling for the camera operator, he manages and maintains the camera equipment such as lenses, filters and camera boxes for assembling the camera and its accessories for different shots. Before shooting, he arrives on the set early to ensure that the camera and all the required lenses are prepared for a day's shoot. At the end of each day, he resolves the problems with the 'rushes' and liaises with the film lab to rectify any faults with the camera or film stock. He then proceeds to clean the equipment and pack it up in preparation for the next day's shoot.</p> <p>He may also be required to set up and mount specialty camera equipment and assist in the operation of specialty cameras such as 360 cameras, underwater cameras and aerial cameras during the shoot.</p> <p>The work involves physically demanding tasks especially the capture of motion sequences, amidst high pressure. He is expected to operate in an outdoors environment and may be required to travel depending on the location of the shoot.</p> <p>He needs to have strong knowledge of camera equipment, a strong affinity with technology, knowledge of the relevant electronics and an in-depth knowledge of the principles of camera work. He is required to be an effective team player and shows diplomacy and sensitivity when working with artists, production staff and crew. He should have good colour vision and excellent hand-eye co-ordination.</p>			
<b>Critical Work Functions and Key Tasks</b>	<b>Critical Work Functions</b>	Prepare for the shoot	<b>Key Tasks</b>	
			Contribute inputs to the scene-wise visual requirements during rehearsals	
			Administer the marking on the set for the purpose of determining focal distances	
			Test camera parameters in accordance with natural and artificial light to determine optimal parameters	
			Plot focus length path, positioning and movement of cameras to capture sequence of scenes	
			Determine pull focus distances and pull focus measurements to achieve required composition	
			Propose adjustments to focus length paths to enhance the visual quality of shoots	
	Supervise the unpacking and packing of camera equipment and camera preparation at the beginning of the day's shoot and at the close of production respectively			
	Perform shoot operations	Manage the camera set-up and changes required throughout the production process		
		Install lenses and filters on camera equipment to achieve desired effects		
		Control focus distances to pull focus shots according to composition requirements		
		Compose frame in line with focus parameters		
		Assist in the camera choreography in coordination with production teams to move camera setup as per shot requirements		
Troubleshoot issues with camera equipment or motion in collaboration with production teams				
<b>Specialisation in Specialty Camera Operation</b>				
Manage specialty camera operations	Analyse the creative vision and the execution plan for the overall production to ensure alignment to production requirements			
	Derive the requirements for special shots from relevant storyboards			
	Assist in the set-up specialty cameras based on instructions from production teams			
	Mount specialty equipment by collaborating with production teams			
<b>Skills and Competencies</b>	<b>Technical Skills and Competencies</b>		<b>Generic Skills and Competencies (Top 5)</b>	
	360 Degree Camera Operations	Level 2^	Problem Solving	Intermediate
	Aerial Camera Operations	Level 2^	Teamwork	Intermediate
	Camera Operations	Level 2	Communication	Intermediate
	Cranes, Remote Heads and Jibs Camera Operations	Level 2^	Resource Management	Intermediate
	High Speed Camera Operations	Level 2^	Interpersonal Skills	Basic
	Holographic Camera Operations	Level 2^		

	Multi-camera Operations	Level 2 <sup>^</sup>	
	Procurement for Production Operations	Level 2	
	Stabilised Camera Operations	Level 2 <sup>^</sup>	
	Underwater Camera Operations	Level 2 <sup>^</sup>	
	Vehicle Camera Operations	Level 2 <sup>^</sup>	
<b>Programme Listing</b>	For a list of Training Programmes available for the Media sector, please visit: <a href="http://www.skillsfuture.sg/skills-framework/Media">www.skillsfuture.sg/skills-framework/Media</a>		

The information contained in this document serves as a guide.  
 Note: \*Text in brackets refer to specialisations included in the job role  
 Note: ^ Skills needed for production teams working with specialty cameras