

Specification of Competency Standards
for the Information & Communications Technology Industry
Unit of Competency

Functional Area - Operations Management

Title	Perform rendering of animation
Code	107956L3
Description	This unit of competency applies to all Digital Media Technology (DMT) practitioners who are involved with animation production particularly rendering animated content to a required output file format. This UoC mainly concerns rendering 3D animations to 2D video which can be performed by individual images (frame) or animation scene.
Level	3
Credit	3
Competency	<p>Performance Requirements</p> <p>1. Knowledge for performing rendering of animation</p> <ul style="list-style-type: none"> • Possess literacy skills that can read and interpret relevant sources of information such as: the script, animatic characters and colour model, soundtrack, etc. • Possess good knowledge of animation principles • Possess basic knowledge of computer operation • Good understanding of animation rendering process and workflow • Updated with trends of computer graphics and animation technologies <p>2. Perform rendering of animation</p> <ul style="list-style-type: none"> • Comprehend and grasp the animation work requirements, from: <ul style="list-style-type: none"> ○ Project/Production briefs ○ Storyboards and visual references ○ Design specification • Select suitable animation rendering software/tool for the job, such as: <ul style="list-style-type: none"> ○ 3Ds Max ○ Blender ○ Maya • Define setting in the rendering software, include but not limited to the following: <ul style="list-style-type: none"> ○ Render size (X/Y resolution and percentage slider) ○ Frame Range (start and stop position) ○ Frame rate ○ Pixel aspect ratio ○ Output location and file type • Perform rendering tests using low resolution setting, fix or adjust setting, and retest until satisfied with test resulted image • Perform rendering of high quality image until completion of all images or frames • Render the animation to the required video format, and store the output for use at next stage of production <p>3. Exhibit professionalism</p> <ul style="list-style-type: none"> • Apply industry best rendering techniques and use most appropriate rendering application to achieve the best result
Assessment Criteria	<p>The integrated outcome requirements of this UoC are the abilities to:</p> <ul style="list-style-type: none"> • Perform the setup of rendering application for the image rendering task • Perform rendering tests, make adjustments to setting and correction until the test render satisfies the designed requirement

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	<ul style="list-style-type: none">• Complete render of all images to high quality output and to final video as required by the design specification
Remark	