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

Functional Area - Operations Management

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This unit of competency applies to all Digital Media Technology (DMT) practitioners in the animation production work, particularly in 3D animation production. This UoC concerns creating a character model for mainly 3D animation from scratch, though it doesn't mean all character models are created from scratch. In fact many animators use existing models as a basis or use certain parts to create their new models.
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Performance Requirements 1. Knowledge for creating character model
 Possess literacy skills that can read and interpret relevant sources of information such as: the script, animatic characters and color model, soundtrack, etc. Possess basic knowledge of storyboarding or thumbnail drawing Possess good knowledge of different modelling representation, including: polygon modeling, curve (mathematical) modeling, digital sculpting, etc. Possess detail knowledge on operating character modelling software Possess good animation skills
2. Create character model:
 Comprehend the script/storyboard/character sheet/animation brief to understand the story and requirements of the animation Preparing for modelling: Select suitable modelling software Acquire modelling materials such as: Scan (laser) or import character image (front, sides and back) From scratch – layout each vertex and draw all polygons for the model Acquire details about the model, such as but not limited to the following:
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	 Hands and Fingers - Should be in a relaxed position with the fingers slightly bent. The palms should be facing forwards Legs - These should be slightly bent, as if the character is in a slight crouching position Face - The head should be in a rest pose, closed mouth and open eyes.
	3. Exhibit professionalism
	 Committed to produce high quality animation production Apply industry best practices to create mesh characters for animation work
Assessment Criteria	The integrated outcome requirements of this UoC are the abilities to:
	 Fully comprehend the requirements of the character model Operate the animation software to generate new polygons and using character reference materials to create the general shape of the model. Then manipulate the model polygon to add finer details of the model until it satisfies the requirement Complete and package the character model in the final pose position that comply with industry standard for next stage of production work
Remark	