Assessment Requirements for ICTGAM431 Design and create 3-D digital models

Release: 1

Assessment Requirements for ICTGAM431 Design and create 3-D digital models

Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 6.0.

Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- design, create and store at least two 3-D digital models according to work, design and production requirements.

In the course of the above, the candidate must:

- communicate with required personnel and clarify initial requirements including deadlines
- modify and amend 3-D models in response to feedback from required personnel
- comply with organisational guidelines and industry standards applicable to designing and creating 3-D models.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- 3-D digital modelling and design principles
- stages in model production process, from initial design through to finished product
- issues and challenges arising from designing and creating 3-D digital models
- roles and responsibilities of project team members in developing digital models
- features of a range of delivery platforms
- geometry as it applies to the design and creation of realistic 3-D digital models
- use of scale, form, weight and volume in the development of 3-D digital models
- organisational guidelines and procedures
- industry standards applicable to designing and creating 3-D models
- range of industry standard 3-D modelling software.

Assessment Conditions

Skills in this unit must be demonstrated in a workplace or simulated environment where the conditions are typical of those in a working environment in this industry.

This includes access to:

- required hardware and software
- required industry standard 3-D modelling software and features
- a range of industry standard delivery platforms
- client specification documentation
- reference materials applicable to design and visualisation of 3-D models
- file storage
- 3-D product modelling software and delivery platforms.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volume Implementation Guide is found on VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2