



Australian Government

Assessment Requirements for ICTXRE401 Apply augmented reality solutions in organisations

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with the Information and Communications Technology Training Package Version 8.0. Newly created unit of competency to address in-demand skills needs.

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 and deploy at least two augmented reality (AR) solutions into a virtual workspace, using at least one of the following concepts:
 - web design-based concepts
 - application design-based concepts
 - mobile design-based concepts.

In the course of the above, the candidate must:

- develop AR prototype using required programming language
- securely and safely store AR solutions in required locations
- apply required organisational policies and procedures.

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:

- key functions and features of desktop, web and mobile programming language, including:
 - Java Script
 - Python
 - C#
 - C++
- key functions and features of web developments and components, including:
 - backends
 - servers

- application programming interfaces
- application development
- game development
- required functions and features of:
 - neural networks and machine learning
 - three-dimensional (3-D) and animation technologies
- industry-recognised types of extended reality (ER) platforms for AR
- AR-enabled hands-free solutions, including:
 - AR headsets
 - smart glasses
 - portable devices
 - lens studio filters
- functions and features of:
 - AR implementation plans
 - required AR configuration hardware, software and tools
 - AR solution integration designs
 - AR solution prototypes
 - user experience (UX) solutions
- methods to confirm component serviceability
- methods to configure and apply AR solutions in virtual workspaces using different concepts and technical guidelines
- functions and application of testing tools and equipment to apply AR in organisations
- organisational formats for documentation and reports
- organisational policies and procedures and legislative requirements relating to work tasks.

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:

- a virtual workspace where AR solutions are to be applied
- AR technological infrastructure, including tools, hardware, software and configuration components
- opportunities for interaction with others
- work brief and organisational policies and procedures required to demonstrate the performance evidence.

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>