



**Australian Government**

# **Assessment Requirements for ICTTEN821 Manage solution architecture and impacts**

**Release: 1**

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## Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 7.0.

## 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:

- manage solution architecture and impacts for at least two projects.

In the course of the above, the candidate must:

- prepare architecture plans exploring solutions
- develop interface requirements for effective solutions across multiple architectures
- manage solution architecture systems integration
- analyse impact of proposed project solutions on customers and enterprise
- prepare evidence for customer acceptance and certification of system integration management plan
- produce final project management requirements.

## 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:

- required legislation, codes, company work practices, regulations and standards, workplace health and safety (WHS) requirements for scoped work
- features and operating requirements of complex systems, key performance indicators (KPI) and service level agreements
- information required to define solution architecture and impacts in line with organisational processes
- interdisciplinary concepts across multiple architectures
- issues and challenges occurring with system changes
- manufacturer requirements for operation of systems equipment
- required organisational policies and procedures
- performance and integration requirements

- solutions architecture alternatives
- system element interfaces for solution architecture
- system integration plans
- validation plans.

## 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 site where development and management of solution architecture systems integration across multiple architectures may be conducted
- software tools currently used in industry
- vendor products, specifications, equipment and enterprise policy required for the activity.

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>