



Australian Government

DEFEA001 Use an enterprise architecture framework

Release 1

DEFEA001 Use an enterprise architecture framework

Modification History

Release	TP Version	Comments
2	DEF12V2	New unit.
1	DEF12V1	Primary release.

Unit Descriptor

This unit covers creating the required views for an enterprise architecture framework to permit its implementation by various elements of the organisation. It includes creating common views, operational views, systems views and technical views for a specific business architecture, and developing an information technology strategy that assesses the likely impact on the development of the intended system of:

- information technology legislation
- information technology design principles and patterns
- enterprise architecture framework components

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication. In a Defence context, this means that there is no civilian need to hold this unit in order to meet licensing, legislative, regulatory or certification requirements.

Application of the Unit

In practice, using an enterprise architecture framework may overlap with other generalist or specialist public sector work activities such as acting ethically, complying with legislation, providing client service, undertaking research and analysis etc.

All aspects of the unit must be carried out in adherence to legislation, relevant standards, and organisational policy, procedure, and guidelines.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a Unit of Competency.

Performance Criteria describe the required performance needed to demonstrate achievement of the element. Where ***bold italicised*** text is used, further information is detailed in the Range Statement. Assessment of performance is to be consistent with the Evidence Guide.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Create common views for a specific business architecture	1.1 Relevant information for a specific business architecture is identified and summarised. 1.2 An integrated enterprise architecture dictionary is used. 1.3 An architecture compliance statement is prepared. 1.4 A capability maturity profile is prepared in consultation with stakeholders.
2. Create operational views for a specific business architecture	2.1 Descriptions are created/developed for a high level operational concept and operational node connectivity. 2.2 An operational information exchange matrix is prepared. 2.3 A command relationship chart is prepared and agreed to. 2.4 Business activities, relationships between activities, inputs and outputs are modelled. 2.5 The business activity sequence and timing is developed in accordance with the organisation's business rules, business activity reforms and critical sequences. 2.6 A logical data model of the business activity is created/developed and agreed by stakeholders.
3. Create systems views for a specific business architecture	3.1 Systems descriptions are prepared and agreed with stakeholders. 3.2 Systems matrices are developed to meet project requirements and agreed with stakeholders where required. 3.3 A system technology forecast is prepared and agreed to. 3.4 System rules for the business architecture are modelled. 3.5 The physical implementation of the logical data model of the business activity is modelled to capture systems requirements.
4. Create technical views for a specific business architecture	4.1 A technical system profile is created, and support levels required for the development of the intended system are gauged in consultation with stakeholders. 4.2 An information technology strategy is developed for intended system development.

- 4.3 The enterprise information technology performance requirements from the enterprise business requirements are derived so that appropriate standards, configurations and products relevant to the intended system are developed.
- 4.4 A technology standards description/forecast is created in which standards are described and forecast in accordance with business guidelines.

Required Skills and Knowledge

This describes the essential skills and knowledge and their level, required for this unit.

Required Skills

- undertaking technical writing
- using effective communication with diverse stakeholders, including negotiation
- responding to diversity, including gender and disability
- applying procedures relating to work health and safety and environment in the context of using an enterprise architecture framework

Required Knowledge

- undertaking technical writing
- applying systems analysis
- using enterprise architecture software and hardware
- using effective communication with diverse stakeholders, including negotiation
- responding to diversity, including gender and disability
- applying procedures relating to work health and safety and environmental requirements in the context of using enterprise architecture tools

Evidence Guide

Critical aspects for assessment and evidence required to demonstrate competency in this unit

Assessment must confirm the ability to:

- create and document the required enterprise architecture using the agreed set of enterprise architecture tools
- use enterprise architecture tools in a range of (3 or more) contexts (or occasions, over time) for an extended period with extensive reference to representative stakeholders

Consistency in performance

Evidence must be gathered over time in a range of contexts to ensure the person can achieve the unit outcome and apply the competency in different situations or environments

Context of and specific resources for assessment

Context of assessment

Competency should be assessed in the workplace or in a simulated workplace environment.

Specific resources for assessment

- legislation, policy, procedures and protocols relating to enterprise architecture
- capacity for monitoring and sampling over an extended period with extensive reference to representatives
- case studies and workplace scenarios to capture the range of situations likely to be encountered when using enterprise architecture tools

Range Statement

The Range Statement relates to the Unit of Competency as a whole. It allows for different work environments and situations that may affect performance. ***Bold italicised*** wording in the Performance Criteria is detailed below.

<i>Stakeholders</i> may include:	• all those individuals and groups both inside and outside the organisation that have some direct interest in the organisation enterprise architecture development and use, such as: • employees at all levels of the organisation • clients • union and association representatives • government • ministers • public sector bodies that set standards such as information security standards, fraud control standards, ethics etc
<i>Systems descriptions</i> may include:	• system evolution description • system interface description • systems communication description • systems event/trace description • systems functionality description • systems state transition description
<i>Systems matrices</i> may include:	• operation activity to system function traceability matrix • system information exchange matrix • system performance parameters matrix • systems to systems matrix

Unit Sector(s)

Not applicable.