



Australian Government

BSBXBD501 Develop big data strategy

Release: 1

BSBXBD501 Develop big data strategy

Modification History

Release	Comments
Release 1	This version first released with BSB Business Services Training Package 6.0.

Application

This unit describes the skills and knowledge required to develop a big data strategy that reflects the needs and capabilities of an organisation and supports its business goals. It involves applying business processes and information relating to policy issues and new and emerging technologies during strategy development.

It applies to those who work in a broad range of industries and job roles who lead strategic approaches to big data analysis.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Unit Sector

Data Literacy – Data Literacy

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Establish business case for big data strategy	1.1 Confirm organisational support for incorporating big data into overall business strategy 1.2 Form multi-disciplinary team to steer development of big data strategy 1.3 Identify and prioritise business needs that require big data solutions 1.4 Map available data sources to identified business needs 1.5 Determine financial value of applying big data solutions
2. Develop and review proof of concept for big data strategy	2.1 Conduct trial using big data to solve prioritised business needs 2.2 Compare proof-of-concept big data results to existing organisational data 2.3 Identify risks and benefits of scale-up of big data solution across the

ELEMENT	PERFORMANCE CRITERIA
	organisation 2.4 Document benefits and risks related to big data strategy
3. Draft and consult on big data strategy	3.1 Scope big data strategy based on relevant policy issues and new and emerging technologies and platforms 3.2 Draft big data strategy and its governance requirements in line with organisational requirements 3.3 Seek and integrate feedback on draft strategy from key stakeholders 3.4 Finalise draft strategy and distribute to required personnel
4. Develop big data road map supporting business strategy	4.1 Draft big data road map that incorporates big data policy issues 4.2 Seek and integrate feedback on draft road map according to organisational policies and procedures 4.3 Distribute and store final version big data strategy according to organisational policies and procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

Skill	Description
Learning	Modifies behaviour following exposure to new information
Reading	Recognises and interprets information from relevant sources to determine organisational expectations and legal requirements for big data strategy
Numeracy	- Interprets and records mathematical information - Completes at times complex mathematical calculations
Oral communication	Asks open and closed probing questions and actively listens to identify business requirements
Writing	Uses clear, specific and industry-related terminology to report on big data capture and storage
Teamwork	Works collaboratively with interdisciplinary teams to gather the required information to inform and develop strategy
Planning and organising	Efficiently and logically sequences the stages of developing big data strategy
Technology	Uses appropriate technology platforms to develop big data strategy

Unit Mapping Information

No equivalent unit. New unit.

Links

Companion Volume Implementation Guide is found on VETNet: -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2>

Assessment Requirements for BSBXBD501 Develop big data strategy

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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:

- develop one big data strategy for a work area.

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:

- legislative requirements relating to big data strategy, including data protection and privacy laws and regulations
- organisational processes, policies, procedures and protocols to develop big data strategy, including for:
 - creating inventory of big data assets
 - seeking and integrating feedback on draft strategy
 - distributing and storing final version of big data strategy
- organisational requirements to be reflected in big data strategy:
 - key factors set out in business case
 - potential infrastructure changes required for strategy implementation
 - training requirements associated with big data strategy
 - financial impact of big data strategy
- key components of big data strategies, including requirement to ensure:
 - balance between availability and confidentiality of big data
 - support for a highly available big data management system with fault-tolerant failover services
- factors to be reflected in big data strategies, including:
 - big data policy issues relating to security, intellectual property, governance and privacy
 - new and emerging technologies and platforms of relevance to strategies.

Assessment Conditions

Skills must be assessed in a workplace or simulated environment where conditions are typical of a work environment that uses big data.

Access is required to:

- information and data sources to inform development of big data strategy, including business strategy documents
- information and telecommunications equipment required to develop big data strategy
- industry standards, organisational procedures, and legislative requirements 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

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