



Australian Government

BSBXBD405 Develop procedures for managing big data

Release: 1

BSBXBD405 Develop procedures for managing big data

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 design and develop procedures for managing transactional and non-transactional big data in line with industry practices and organisational policies, procedures and protocols.

It applies to those in a range of industries and job roles who develop procedures that support an organisation in effectively managing its handling of big data.

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. Plan big data management procedures	1.1 Confirm purpose and target users of big data management procedures 1.2 Review current internal practices for managing big data 1.3 Identify and document workplace issues and needs to be supported by big data management procedures
2. Design procedures for managing big data	2.1 Compare current organisational processes to industry standards for best practice in big data management to identify areas of improvement 2.2 Analyse available big data management solutions 2.3 Establish criteria for an effective big data management solution 2.4 Select appropriate big data management solution based on characteristics of big data and workplace needs
3. Draft procedures	3.1 Draft procedures to address identified organisational needs to manage

ELEMENT	PERFORMANCE CRITERIA
for managing big data	big data 3.2 Engage required stakeholders to test draft big data procedures 3.3 Integrate feedback from stakeholders into revised procedures
4. Finalise developed procedures for managing big data	4.1 Review big data management procedures against business strategies and success metrics and revise as required 4.2 Create a big data road map for implementing big data management process 4.3 Distribute final procedures to required personnel according to organisational policies and procedures 4.4 Store procedures according to established document management protocols

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
Oral communication	Asks open and closed probing questions and actively listens to identify work requirements and seek feedback from stakeholders
Reading	Identifies and interprets information from relevant sources to complete work
Writing	Uses clear, specific and industry-related terminology to communicate big data management procedures
Planning and organising	Efficiently and logically sequences the stages in developing procedures for managing big data
Technology	Uses appropriate technology platforms to develop procedures for managing big data

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 BSBXBD405 Develop procedures for managing big data

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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 procedures for managing two different sets of big data: one transactional and one non-transactional.

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 managing big data, including data protection and privacy laws and regulations
- key characteristics of big data
- organisational policies, procedures, and protocols relating to developing procedures for managing transactional and non-transactional big data, including for:
 - identifying and documenting workplace issues to be supported by big data management procedures
 - reviewing internal programs for managing big data
 - storing and retrieving big data
- industry practices relating to ethical management and governance of big data, including when making data available for big data analytics and business intelligence
- data management approaches to big data based on volume, variety and complexity of data
- protocols for database management, including open-source database management systems designed to handle big data.

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 telecommunications equipment required to manage big data
- big data sets suited to requirement in performance evidence
- 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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