



Australian Government

BSBXBD407 Protect big data integrity

Release: 1

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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 protect and monitor the integrity of transactional and non-transactional big data in an organisation.

It applies to those who work in a broad range of industries and job roles who are responsible for protecting the integrity of big data when managing, storing and transferring it.

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. Prepare to protect integrity of big data	1.1 Identify big data set to be protected 1.2 Review workplace governance arrangements in place for protecting the integrity of big data 1.3 Verify security of big data platform, including cloud security, according to organisational policies and procedures 1.4 Confirm security arrangements in place relating to big data secure storage and transaction logging
2. Apply policies to protect big data	2.1 Apply privacy policies to all data assets that require privacy protection 2.2 Apply security policies to all data assets that require confidentiality 2.3 Apply intellectual property policies to all data assets that contain private and confidential business information

ELEMENT	PERFORMANCE CRITERIA
3. Monitor big data integrity	3.1 Check encryption and undertake real-time monitoring of logs to identify anomalies that arise 3.2 Identify and report malfunctioning infrastructure and any attacks on infrastructure that pose a threat to data integrity 3.3 Conduct privacy impact assessments on big data 3.4 Confirm that data protection practices comply with required standards
4. Respond to breaches in big data integrity	4.1 Identify where big data breaches have occurred according to organisational policies and procedures 4.2 Escalate data breach incidents according to organisational policies 4.3 Consult with required internal and external stakeholders and communicate breach efficiently 4.4 Audit big data breaches and report findings 4.5 Support management with post-breach and audit reviews

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	<ul style="list-style-type: none"> Modifies behaviour following exposure to new information
Numeracy	<ul style="list-style-type: none"> Completes and manipulates at times complex calculations and records numerical data
Reading	<ul style="list-style-type: none"> Interprets at times complex big data and breach information
Oral communication	<ul style="list-style-type: none"> Asks open and closed probing questions and actively listens when consulting with stakeholders
Writing	<ul style="list-style-type: none"> Uses clear, specific and industry-related terminology to complete and update audits and reports
Planning and organising	<ul style="list-style-type: none"> Efficiently and logically sequences the stages of protecting the integrity of big data
Technology	<ul style="list-style-type: none"> Uses appropriate technology platforms protect to protect the integrity of 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>