



Australian Government

BSBITU402 Develop and use complex spreadsheets

Release: 1

BSBITU402 Develop and use complex spreadsheets

Modification History

Release	Comments
Release 1	This version first released with BSB Business Services Training Package Version 1.0.

Application

This unit describes the skills and knowledge required to use spreadsheet software to complete business tasks and produce complex documents.

It applies to individuals employed in a range of work environments who require skills in creation of complex spreadsheets to store and retrieve data. They may work as individuals providing administrative support within an enterprise, or may be independently responsible for designing and working with spreadsheets relevant to their own work roles.

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

Unit Sector

Information and Communications Technology – IT Use

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 develop spreadsheet	1.1 Organise personal work environment in accordance with ergonomic requirements 1.2 Analyse task and determine specifications for spreadsheets 1.3 Identify organisational and task requirements of data entry, storage, output, reporting and presentation requirements 1.4 Apply work organisation strategies and energy and resource conservation techniques to plan work activities
2. Develop a linked spreadsheet solution	2.1 Utilise spreadsheet design software functions and formulae to meet identified requirements

ELEMENT	PERFORMANCE CRITERIA
	2.2 Link spreadsheets in accordance with software procedures 2.3 Format cells and use data attributes assigned with relative and/or absolute cell references, in accordance with task specifications 2.4 Test formulae to confirm output meets task requirements
3. Automate and standardise spreadsheet operation	3.1 Evaluate tasks to identify those where automation would increase efficiency 3.2 Create, use and edit macros to fulfil requirements of task and automate spreadsheet operation 3.3 Develop, edit and use templates to ensure consistency of design and layout for forms and reports, in accordance with organisational requirements
4. Use spreadsheets	4.1 Enter, check and amend data in accordance with organisational and task requirements 4.2 Import and export data between compatible spreadsheets and adjust host documents, in accordance with software and system procedures 4.3 Use manuals, user documentation and online help to overcome problems with spreadsheet design and production 4.4 Preview, adjust and print spreadsheet in accordance with organisational and task requirements 4.5 Name and store spreadsheet in accordance with organisational requirements and exit application without data loss or damage
5. Represent numerical data in graphic form	5.1 Determine style of graph to meet specified requirements and manipulate spreadsheet data if necessary to suit graph requirements 5.2 Create graphs with labels and titles from numerical data contained in a spreadsheet file 5.3 Save, view and print graph within designated timelines

Foundation Skills

This section describes language, literacy, numeracy and employment skills incorporated in the performance criteria that are required for competent performance.

Skill	Performance	Description
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	Criteria	
Reading	1.2, 1.3, 2.3, 2.4, 3.1, 3.3, 4.1-4.5, 5.1, 5.2	- Recognises and interprets numerical and textual information within a range of sources to determine and complete work according to requirements - Reviews information to determine accuracy and consistency
Writing	2.1-2.4, 3.2, 3.3, 4.1, 4.2, 4.4, 4.5, 5.2, 5.3	- Uses formal mathematical language to create formulas and enters routine data using a format appropriate to requirements - Develops material using syntactic structure, required format and incorporating technical functions to meet business needs
Oral Communication	1.2	Uses listening and questioning skills to clarify requirements
Numeracy	2.1-2.4, 3.2, 4.1, 4.2, 5.2	Represents mathematical information in an alternative form and analyses information to determine required spreadsheet formulae and macros
Navigate the world of work	1.1, 1.3, 1.4, 2.1-2.4, 3.2, 3.3, 4.1, 4.2, 4.4, 4.5, 5.1, 5.3	Recognises and follows explicit and implicit protocols and meets expectations associated with own role
Get the work done	1.2, 1.4, 2.1-2.4, 3.2, 3.3, 4.1-4.5, 5.1-5.3	- Applies formal processes when planning more complex/unfamiliar tasks, producing plans with logically sequenced steps - Uses formal thinking techniques to generate new ideas - Uses advanced features within applications to access, store, organise data and perform routine and complex work tasks

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
BSBITU402 Develop and use complex spreadsheets	BSBITU402A Develop and use complex spreadsheets	Updated to meet Standards for Training Packages	Equivalent unit

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=11ef6853-ceed-4ba7-9d87-4da407e23c10>

Assessment Requirements for BSBITU402 Develop and use complex spreadsheets

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Performance Evidence

Evidence of the ability to:

- follow organisational and safe work practices including:
 - ergonomic requirements
 - energy and resource conservation techniques
- adhere to organisational requirements for:
 - ensuring consistency of style, design and layout
 - saving and printing documents within designated timelines
 - naming and storing documents
- adhere to identified or task requirements when producing documents including:
 - editing macros and automating some tasks
 - using appropriate templates
 - creating graphs to represent data
- resolve issues by referring to user documentation and online help
- use appropriate data storage options
- evaluate tasks to improve efficiency
- apply knowledge of functions and features of contemporary computer applications
- communicate with relevant personnel.

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

- explain advanced functions of spreadsheet software applications
- describe impact of formatting and design on presentation and readability of data

- explain organisational requirements for ergonomics, work periods and breaks, and conservation techniques.

Assessment Conditions

Assessment must be conducted in a safe environment where evidence gathered demonstrates consistent performance of typical activities experienced in the information and communications technology – IT use field of work and include access to:

- organisational policies and procedures
- relevant workplace documentation and resources
- industry software packages and user instructions.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

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