



Australian Government

Department of Education, Employment and Workplace Relations

ICPMM296A Create and test a CD-ROM/DVD

Release: 1

ICPMM296A Create and test a CD-ROM/DVD

Modification History

Not applicable.

Unit Descriptor

This unit describes the performance outcomes, skills and knowledge required to create an interactive CD-ROM/ DVD which starts automatically and has no errors in any of the interactive functions.

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Application of the Unit

This unit requires a person to create and test a CD-ROM/ DVD with a prescribed range of functions involving known routines and procedures with some accountability for the quality of outcomes.

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Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Nil

Nil

Employability Skills Information

This unit contains Employability Skills.

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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 italicised text is used, further information is detailed in the Required Knowledge and Skills and/or Range Statement. Assessment of performance is to be consistent with the Evidence Guide.

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Elements and Performance Criteria

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Element	Performance Criteria
1 Confirm data requirements	1.1 All details required for the job are checked and confirmed against the job specifications 1.2 Media content is tested to ensure all interactivity performs according to job specifications 1.3 Media is compressed correctly with images at the right resolution and any text in the correct format 1.4 Media is compressed correctly with images at the right resolution and any text in the correct format
2 Prepare the CD-ROM/DVD structure	2.1 Target audience is identified from job specifications and a welcome page is developed 2.2 The welcome page identifies the navigational structure of the media 2.3 Folders for containing the media are prepared according to interactivity requirements 2.4 DOS-style eight-dot-three-character file names are used for all files
3 Set up auto functions	3.1 Autorun is set up to automatically start up the CD-ROM/DVD media 3.2 ShelExec.exe is incorporated into the autorun script to ensure default programs within the shell are started

- 3.3 Autorun is linked to a reader in case the target audience do not have one pre-installed
 - 3.4 Where autorun is linked to Adobe Reader, JavaScript is added to the appropriate folder to launch the PDF file
- 4 **Burn CD-ROM/DVD**
 - 4.1 The CD-ROM/DVD layout is validated and saved correctly
 - 4.2 The preferred CD-ROM/DVD format is chosen for the job
 - 4.3 A test CD-ROM/DVD is burned to test the auto functions and confirm interactivity across different platforms
 - 4.4 A master disc is produced for mass duplication

Required Skills and Knowledge

Required Knowledge and Skills

The following knowledge must be assessed as part of this unit:

Use of compression technologies

Media types

Relevant multimedia software

Relevant CD/DVD hardware for burning CDs/DVDs

Multi media navigation

Java script

Different multi media file formats eg PDF, JPEG, TIF

The following skills must be assessed as part of this unit:

OHS in relation to operating machinery such as safely switching off machinery before cleaning is started

Communication of ideas and information by developing a welcome page that identifies the navigational structure of the media

Collecting, analysing and organising information by correctly compressing media at the right resolution with any text in the correct format

Planning and organising activities by preparing the CD-ROM/DVD structure before setting up auto functions

Teamwork when maintaining the production process in association with others

Mathematical ideas and techniques by compressing media correctly to ensure images are at the right resolution

Problem-solving skills by testing the auto functions to confirm interactivity across different platforms

Use of technology by using computer hardware and software to create and test a CD-ROM/DVD

Evidence Guide

The Evidence Guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Knowledge and Skills, the Range Statement and the Assessment Guidelines for this Training Package.

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

Evidence of the following is essential:

Create an interactive CD-ROM/DVD that starts automatically and has no errors in any of the interactive functions

Create TWO different interactive CD-ROMs/DVDs which start automatically, have no errors in any of the interactive functions and besides autorun they will link with a reader for computers without a reader installed

Evidence for assessment may be gathered from assessment of the unit of competency alone or through an integrated assessment activity

Context of and specific resources for assessment

Assessment must ensure:

assessment may take place on the job, off the job or a combination of these. Off the job assessment must be undertaken in a closely simulated workplace environment

appropriate computer hardware and software

Method of assessment

A range of assessment methods should be used to assess practical skills and knowledge. The following examples are appropriate for this unit:

direct questioning combined with review of portfolios of evidence and third party workplace reports of on-the-job performance by the candidate.

Holistic assessment with other units relevant to the industry sector, workplace and job role

is recommended.

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. Italicised wording in the Performance Criteria is detailed below.

Job specifications

Job sheets, batch processing orders, job specs

Interactivity

Hyperlinks, sound, movies, animation, pop-ups

Unit Sector(s)

Not applicable.

Competency field

Multimedia

Multimedia