Australian Government

ICPMM296C Create and test a CD-ROM/DVD

Revision Number: 1

INDUSTRY
SKILLS
COUNCILS
Creating Australia's Future

ICPMM296C Create and test a CD-ROM/DVD

Modification History

Not applicable.

Unit Descriptor

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.

Application of the Unit

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.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisite units		

Employability Skills Information

Employability skills	This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.

Innovation and Business Skills Australia

Elements and Performance Criteria

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 SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

Required skills

- 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

Required knowledge

- 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

Evidence Guide

EVIDENCE GUIDE	
The Evidence Guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.	
Overview of assessment	
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	The following assessment method is 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.
Guidance information for assessment	Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended.

Range Statement

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. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.	
Job specifications may include:	• job sheets, batch processing orders, job specs.
Interactivity may include:	• hyperlinks, sound, movies, animation, pop-ups.

Unit Sector(s)

Unit sector	

Competency field

Competency field	Multimedia

Co-requisite units

Co-requisite units		