



Australian Government

Department of Education, Employment and Workplace Relations

ICPMM321A Capture a digital image

Release: 1

ICPMM321A Capture a digital image

Modification History

Not applicable.

Unit Descriptor

This unit describes the skills and knowledge required to use digital camera technology for the production of colour separated images.

Competency Field

Multimedia

Application of the competency

This unit requires the individual to use digital camera technology for the production of colour separated images.

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Application of the Unit

Not applicable.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

Employability Skills Information

Not applicable.

Elements and Performance Criteria Pre-Content

Not applicable.

Elements and Performance Criteria

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Element	Performance Criteria
1 Assess digital camera qualities	1.1 Camera software compatibility with hardware system is assessed and the appropriate software is selected for the job 1.2 Pixel resolution of the camera is matched to the required quality and resolution of outcome 1.3 The RAM capacity of the camera is checked to be appropriate to the number of images required to be captured 1.4 Shutter speed, focal lengths and camera feature modes (eg flash, scrollage, icon menu, close-up, wide angle and telephoto capacity) are assessed suitable for the quality and use of photographic images required 1.5 Lithium batteries are handled and stored according to OHS requirements
2 Set up for image capture	2.1 Camera is set up for image composition according to job specifications 2.2 Lighting is arranged according to job specifications 2.3 Light intensity is set for the correct exposure
3 Preview image	3.1 Tone curves are adjusted according to job specifications 3.2 The neutral balance of the image is arranged and adjusted 3.3 Adjustments to image composition and exposure are made
4 Photograph and upload a digital image	4.1 The digital camera is loaded and operated according to manufacturer's specifications appropriate to the quality of image to be photographed 4.2 The computer card interface/disk is uploaded onto the relevant computer and the image saved on hard disk

- 4.3 Photographic image files are created and stored on the computer according to software procedures
- 4.4 Photographic images are enhanced, cropped and altered electronically to deliver the required image
- 4.5 Photographic images are checked for fitness of purpose and conformance to the job brief
- 4.6 Photographic images are assessed fit for the relevant delivery mode (eg print, CD-ROM) and delivered appropriately

Required Skills and Knowledge

Skills and knowledge

Using a digital camera

What is meant by pixel resolution and how does this affect the resolution of the image?

Why is the RAM capacity of a digital camera relevant?

Why are shutter speed and focal lengths important to check when capturing a digital image?

What are the safety requirements for handling and storing lithium batteries?

Uploading and processing digital images using a computer

How is the data uploaded to a computer from the computer card interface/disk?

What is the process for filing and creating photographic image files on the computer?

What is required to enhance, crop and alter photographic images electronically?

What considerations need to be made to assess a digital photograph suitable for a newspaper, glossy brochure and CD-ROM?

Information sources

What manuals, safety and other documentation are relevant to this task and where are they kept?

What information is included in these documents?

What other sources of information are available?

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Evidence Guide

The Evidence Guide describes the underpinning knowledge and skills that must be demonstrated to prove competency. It provides essential advice for assessment of the unit of competency and must be read in conjunction with the Performance Criteria, the Range Statement and the Assessment Guidelines for this Training Package.

Critical aspects of evidence required to demonstrate competency in this unit

The photographed image meets the quality and look/feel requirements of the brief. The digital camera functions are used to capture the required image.

The underlying skills of capturing a digital image using a digital camera should be transferable across the associated sectors of the printing industry.

Demonstrate an ability to find and use information relevant to the task from a variety of information sources.

Context of assessment

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.

Relationship to other units

There is no pre-requisite for this unit.

Evidence required for demonstration of consistent performance

Assess the capacity of, and operate, a digital camera to upload and process THREE digital images using industry hardware and software to deliver a designated quality of image outcome.

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

Specific resource requirements

Digital cameras, lighting.

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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.

The following variables 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.

Degree of autonomy

A digital photographic image is processed in the workplace in consultation with the supervisor to ensure that correct skills and procedures are used.

Types of systems

Digital cameras used in the pre-press sector and associated sectors with which a pre-press organisation may be required to work.

Lighting

Direct (main) fill in lighting/fill reflector.

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Unit Sector(s)

Not applicable.