



Australian Government

ICPPRN284 Use colour management systems

Release: 1

ICPPRN284 Use colour management systems

Modification History

Release	Comments
Release 1	This version first released with ICP Printing and Graphic Arts Training Package Version 1.0.

Application

This unit describes the skills and knowledge required to identify and apply fundamental theory of colour including terminology, colour modes and analysis of light and colour.

It applies to individuals who generally work under direct supervision and assist with digital production workflow.

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

Unit Sector

Printing

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. Identify need for colour management	1.1 Varied colour representations across devices are recognised and recorded according to job requirements 1.2 Colour inconsistencies between input, display and output devices, and printed products are identified and addressed 1.3 Components of colour management systems are identified and correctly used
2. Use colour modes and libraries	2.1 Colour modes and libraries are used according to job specifications 2.2 Images are converted between colour modes using processes that ensure best reproduction according to job specifications 2.3 Colour libraries are selected and used within software

ELEMENT	PERFORMANCE CRITERIA
	applications according to job specifications

Foundation Skills

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

Skill	Performance Criteria	Description
Reading	2.1-2.3	Recognises and interprets text to establish job requirements from information contained within relevant procedures and specifications
Writing	1.1, 1.3	Completes job documentation in a style appropriate to audience and purpose
Oral Communication	1.3, 2.1-2.3	Receives and passes on straightforward messages
Navigate the world of work	1.3, 2.1-2.3	Recognises and follows explicit and implicit protocols associated with own role including appropriate work health and safety (WHS) requirements associated with immediate role
Interact with others	1.3, 2.1-2.3	Cooperates with others as part of familiar routine activities, and contributes to specific activities requiring joint responsibility and accountability
Get the work done	1.1-1.3, 2.1-2.3	Takes responsibility for planning and organising own workload including identifying and rectifying familiar problems

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICPPRN284 Use colour management systems	ICPPR284A Introduction to colour management	Updated to meet Standards for Training Packages Renamed to reflect	Equivalent unit

Code and title current version	Code and title previous version	Comments	Equivalence status
		industry practice	

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a74b7a0f-a253-47e3-8be0-5d426e24131d>

Assessment Requirements for ICPPRN284 Use colour management systems

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Performance Evidence

Evidence of the ability to:

- recognise variations and inconsistencies in colour representation across devices
- identify and use components of a colour management system
- select and convert images to appropriate colour modes
- select colour libraries that comply with specific job specifications
- locate and use information relevant to the task from a variety of information sources.

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:

- identify components of a colour management system and their application
- explain terminology associated with colour management
- identify standard lighting conditions for matching colour
- describe effects of different lighting conditions on monitors, proofing and printing
- explain measurement of light intensity and colour temperature
- identify differences between red, blue, green (RGB), cyan, magenta, yellow, black (CMYK), lab colour and spot colour
- list different rendering intents and their application
- describe under-colour removal (UCR) and grey component replacement (GCR) and the effect they have on an image
- explain different pantone libraries and their application
- identify work health and safety (WHS) issues to consider when managing colour for digital production.

Assessment Conditions

Gather evidence to demonstrate consistent performance in conditions that are safe and replicate the workplace. Noise levels, production flow, interruptions and time variances must be typical of those experienced in the printing field of work and include access to:

- special purpose tools, equipment and materials
- industry software packages used for colour management production.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

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