Assessment Requirements for ICPPRN495 Set up and use complex colour management for production

Release: 1

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Modification History

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

Performance Evidence

Evidence of the ability to:

- create custom device profiles in a digital production workflow to enhance the match across proofs, monitors and final products
- identify and use information relevant to the task from a variety of information sources
- complete THREE custom device profiles that have been used within a colour workflow
- produce a final product from the colour workflow.

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:

- list work health and safety (WHS) issues to be considered when managing colour for digital production
- discuss importance of bringing a device into a known state
- explain how often to calibrate devices
- outline what condition changes result in the need for re-calibration
- describe colour measurement devices and usage
- list various types of proprietary software used for colour measurement
- discuss comparison of test charts, their advantages and disadvantages
- describe the process of determining grey balance and white points
- identify colour profiles and their use
- describe the effect colour profiles have on output
- explain the difference between input, output and display profiles
- outline various colour management systems
- describe components of a colour management system
- outline components of a colour-managed workflow

- discuss red, green blue (RGB) versus cyan, magenta, yellow, black (CMYK), spot colour versus mixed colour workflows
- describe how to implement colour management on a system
- identify workplace and international publication and printing standards
- explain effects different substrates have on colour reproduction for proofing and final production
- describe how dot gain effects colour
- discuss under colour removal (UCR) and grey component replacement (GCR).

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:

- printing presses
- raster image processors (RIPs) with colour management features
- profiling software
- colour output devices
- densitometers and spectrometers.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

Companion Volume implementation guides are found in VETNet - https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=a74b7a0f-a253-47e3-8be0-5d426 e24131d