



Australian Government

Assessment Requirements for ICPPRN4950 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 4.0.

Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- create three custom device profiles to be used within a colour workflow
- produce at least two final products from the colour workflow.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- work health and safety (WHS) risks and requirements for managing colour for digital production
- the process of optimising press to workplace standard
- the purpose of bringing a device into a known state
- the required frequency of device calibration and condition changes requiring re-calibration
- colour measurement devices and proprietary software and their usage
- comparison of test charts, their advantages and disadvantages
- the process of determining grey balance and white points
- colour profiles, their use and the effect they have on output
- the difference between input, output and display profiles
- various colour management systems and their components
- components of a colour-managed workflow
- the differences between red, green blue (RGB) and cyan, magenta, yellow, black (CMYK), as well as spot colour and mixed colour workflows
- the steps taken to implement colour management on a system
- workplace and international publications and printing standards
- the effects different substrates have on colour reproduction for proofing and final production
- the effects dot gain has on colour

- under colour removal (UCR) and grey component replacement (GCR)
- manufacturer manuals, enterprise procedures and work health and safety documentation, including their location and purpose.

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.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volume Implementation Guide is found on VETNet -

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