



**Australian Government**

# **Assessment Requirements for ICPPRN3820 Produce and manage complex digital print**

**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:

- manage a complex digital proof run and produce a digital print for at least two different jobs according to enterprise procedures.

## 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:

- problem-solving strategies for when:
  - a required piece of equipment or substrate type in production workflow is unavailable
  - a power failure coincides indefinitely with a tight deadline production schedule
  - data file transfer and access errors occur
  - a scanned image is too dark
- factors influencing a decision on using a particular printing solution such as run length, substrate type and application
- digital colour attributes where variation must be minimised and solutions, including:
  - colour selection, lighting conditions and surrounding colour
  - machine calibration and resolution
  - screen angle
  - conversion algorithms from red, green, blue (RGB) to cyan, magenta, yellow and key black (CMYK)
  - substrate type and condition
- work health and safety (WHS) requirements for working on a computer
- enterprise communication protocols with the client and client approval procedures for proof and final print
- recommendations for clients who use incompatible electronic files and software versions

- cost, quality and turnaround time differences between a specified job printed on a digital system and a traditional system
- required print method for the specified print job
- key differences between digital printing and traditional printing methods
- RGB, CMYK and Pantone matching system (PMS) colour charts and their function in enterprise procedures
- recommendations for clients requiring high-volume print runs who need a print job portion immediately
- procedures for submitting a Portable Document Format (PDF) file to a digital printer
- effect of scan resolution on document size and quality
- actions required if vital information is missing from the job ticket (manual or electronic)
- checks required prior to set-up (including availability of material, maintenance etc)
- checks for data format compatibility with digital print and before submitting file to print
- optical character recognition (OCR) scanning
- type of scanner hardware and software configuration available to digitally scan a hardcopy multi-page document with text and images
- differences between colours displayed on different outputs and role of simulation profiles
- International Colour Consortium (ICC) and its purpose
- circumstances where a job can be modified before printing, including changing margins
- type of proofing system available in traditional pre-press and proof checking criteria
- recommendations available regarding the required proofing system for a specified print job
- various types of binding and procedures for when client's required binding is unavailable
- procedure for and purpose of packaging finished print work
- 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:

- special purpose tools, equipment and materials
- digital printing machine
- digital production system.

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>