



Australian Government

**Assessment Requirements for
ICPKNW3220 Develop and apply
knowledge of the printing and graphic arts
industry**

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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 the unit, including evidence of the ability to:

- plan and document proposed production approach for one print job that includes at least one converting or finishing process, based on job specifications, including:
 - job costing estimate
 - timeframe for production.

In the course of the above the candidate must:

- use industry terminology in written and oral communications
- apply required legislative and workplace requirements when completing tasks
- conduct research to determine image type, output settings, output requirements and output devices for different jobs
- conduct research to determine the required process for print jobs
- conduct research to determine the required process for converting or finishing jobs
- document output and colour requirements for print jobs
- conduct research to determine required substrate and ink for print jobs.

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:

- current industry technology, processes and trends
- regulatory requirements and enterprise procedures that affect work practice
- enterprise procedures for:
 - allocating production responsibilities
 - monitoring production
 - quality inspections and corrective action

- requesting client feedback
- principles of the following pre-press functions:
 - image production, including, typesetting, scanning and photography
 - manual and electronic image combining
 - film, plates, and direct to press image output
- principles of the following printing processes:
 - lithography
 - relief
 - flexography
 - gravure
 - pad printing
 - screen printing
 - digital and electronic printing
- range of substrates used for printing processes
- basic characteristics of the following converting and finishing processes:
 - guillotining
 - flat-bed and rotary cutting
 - collating
 - folding
 - adhesive
 - mechanical and thermal fastening
- colour theory and the relationship between ranges of visual colour Red, Green, Blue (RGB), Pantone (spot) and Cyan, Magenta, Yellow, Key (black) (CMYK)
- cost and time factors in printing production, including:
 - fixed, capital and variable costs
- basic principles of efficient production management.

Assessment Conditions

Skills in this unit must be demonstrated in a workplace or simulated environment where the conditions are typical of those in a working environment in this industry. Noise levels, production flow, interruptions and time variances must be typical of those experienced in the area of work.

This includes access to:

- a production environment as required to demonstrate the performance evidence.

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>