



Australian Government

Department of Education, Employment and Workplace Relations

ICPPR287A Use digital processes

Revision Number: 1

ICPPR287A Use digital processes

Modification History

Not applicable.

Unit Descriptor

Unit descriptor	This unit describes the performance outcomes, skills and knowledge required to apply various digital printing processes and select an appropriate method for a particular job. No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication.
------------------------	---

Application of the Unit

Application of the unit	This unit applies to individuals using various digital printing processes working in the digital, commercial print, pre-press, bureau, high-end digital print or a combination of these business environments.
--------------------------------	---

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisite units		

Employability Skills Information

Employability skills	This unit contains employability skills.
-----------------------------	--

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.
---	--

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Identify digital processes	1.1. Various <i>digital processes</i> used within the workplace are identified and documented 1.2. Advantages or disadvantages of one process over another for a particular job are identified and a suitable option recommended
2. Assess job requirements	2.1. The printing requirements of the job are determined 2.2. The layout design of the job is reviewed to determine possible <i>printing problems</i> that may occur when using a particular process 2.3. The end <i>application</i> of the digital product is reviewed to ensure the digital process will meet job specifications and enterprise standards
3. Apply digital process	3.1. A digital process is selected that ensures job specifications are met 3.2. The digital process is completed in accordance job specifications and enterprise standards 3.3. The job is reviewed to ensure that the appropriate digital process was selected based on job specifications

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

Required skills

- occupational health and safety (OHS) skills for operating machinery, such as safely switching off machinery before cleaning is started
- communication skills for expressing ideas and information, having considered all the fundamentals of each digital process
- collecting, analysing and organising skills in relation to the fundamentals of digital processes
- planning and organising skills for identifying and clarifying job requirements and selecting a digital process
- teamwork when maintaining the production process in association with others
- problem-solving skills by diagnosing and correcting printing problems
- use of technology by using raster image processors (RIPs) or front-end processors to output a job

Required knowledge

- various digital printing processes used within the digital sector
- advantages and disadvantages of each process
- types of substrates that best suit a particular process
- cost differences between each process
- advantages and disadvantages digital processes have compared to traditional printing methods
- different applications digital products may be used for
- effect heat can have on certain processes
- effect light can have of certain processes
- how folding may affect the appearance of a digitally printed job
- what layout design considerations need to be considered when using a particular process
- which colours and combinations are not effective for certain processes
- OHS issues in relation to each digital process
- location of documentation or other information regarding digital processes

Evidence Guide

EVIDENCE GUIDE

The Evidence Guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment

Critical aspects for assessment and evidence required to demonstrate competency in this unit

Evidence of the ability to:

- identify the various digital printing processes
- select the most appropriate digital printing process for a particular job
- find and use information relevant to the task from a variety of information sources.

Context of and specific resources for assessment

Assessment must ensure:

- that conditions are typical ambient conditions found in the workplace
- access to relevant facilities, equipment and materials used for colour management production
- use of culturally appropriate processes and techniques appropriate to the language and literacy capacity of learners and the work being performed.

Method of assessment

A range of assessment methods should be used to assess practical skills and knowledge. The following examples are appropriate for this unit:

- direct questioning combined with review of portfolios of evidence
- third party workplace reports of on-the-job performance by the candidate
- practical demonstration by the candidate when applying digital processes to produce a product to specifications.

Guidance information for assessment

Holistic assessment with other digital production units relevant to the workplace and job role is recommended, such as:

- ICPPR384A Set up and produce basic digital print.

For valid and reliable assessment of this unit, evidence should be gathered over a period of time through a range of methods for assessment to indicate consistent performance.

Range Statement

RANGE STATEMENT

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

<i>Digital processes</i> may include:	• commonly used digital processes, such as: • tone • inkjet • liquid toner-based.
<i>Printing problems</i> may include:	• ghosting • poor conversion of Pantone colours • banding or blending problems • quality of solid blacks • text too small • trapping and knockout problems.
<i>Application</i> may include:	• folded products • outdoor banners • letterheads requiring overprinting and/or laminating.

Unit Sector(s)

Unit sector	
--------------------	--

Competency field

Competency field	Printing
-------------------------	----------

Co-requisite units

Co-requisite units		