

## Make ready and produce multiple process work for reel-fed printing

**Level** 4

**Credits** 35

**Purpose** People credited with this unit standard are able to: check documentation and confirm that the requirements for the job are available; carry out make ready for multiple process work on a reel-fed press in accordance with workplace practices; take a print and prepare for production run in accordance with workplace practices; produce multiple process work on a reel-fed press in accordance with workplace practices and to meet job requirements; check job is completed before wash-up is commenced and undertake post-press tasks in accordance with workplace practices.

**Subfield** Printing

**Domain** Printing - Reel-Fed

**Status** Registered

**Status date** 18 June 2010

**Date version published** 18 June 2010

**Planned review date** 31 December 2015

**Entry information** Prerequisites: Unit 340, *Demonstrate knowledge of safe working practices in the print industry*, or demonstrate equivalent knowledge and skills.

Recommended: Unit 26312, *Make ready and produce single process work for reel-fed printing*, or demonstrate equivalent knowledge and skills.

**Replacement information** This unit standard replaced unit standard 2279, unit standard 16518, unit standard 16519, unit standard 16520, and unit standard 16521.

**Accreditation** Evaluation of documentation and visit by NZQA and industry.

**Standard setting body (SSB)** Competenz

**Accreditation and Moderation Action Plan (AMAP) reference** 0005

This AMAP can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

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## Special notes

- 1 All workplace practices must meet any applicable and recognised codes of practice, and documented workplace health, safety, and environmental procedures for personal, product, workplace health, safety, and environmental matters, and the obligations required under current law including the Health and Safety in Employment Act 1992, and its subsequent amendments.
- 2 Candidates undertaking assessment against this unit standard must provide evidence of making ready and running the press to produce multiple process production jobs on a reel-fed printing press. Multiple process production jobs include – four colour process print plus at least one spot colour, multiple webs, embellishment, encoding, delamination/relamination, adhesive laydown, embossing, use of multiple diecutting stations and/or repassing web.
- 3 Candidates undertaking assessment against this unit standard must provide evidence of normal colour vision. Further information on the Competenz's training policy for colour vision can be obtained from Competenz, PO Box 9005, Newmarket, Auckland 1149 or [www.competenz.org.nz](http://www.competenz.org.nz).
- 4 Definitions  
*job documentation* refers to the documentation that is used in the workplace that contains the instructions and requirements for a particular production job. This may include but is not limited to workplace orders, production orders, workplace specifications, samples, lay cards;  
*job requirements* refer to specific requirements for the job at hand. These requirements may or may not be covered in the job documentation and may include special instructions, quality requirements expected by the customer, and/or production standards as set down by the workplace;  
*press requirements* refer to the specific requirements for the press being operated as set out in the operating manual or in accordance with workplace practices;  
*spot colours* refer to colours that are added in a specific region of a printed sheet, used to highlight individual page elements such as logos or headlines;  
*workplace practices* refer to the documented procedures for the machine and/or workplace.

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## Elements and performance criteria

### Element 1

Check documentation and confirm that the requirements for the job are available.

### Performance criteria

- 1.1 Job documentation is checked to ensure that all specifications for the process being undertaken are complete and any discrepancies are reported in accordance with workplace practices.
- 1.2 Components required for the job are checked against job documentation and their availability is confirmed.

- 1.3 Availability of equipment, as determined by the job documentation, is confirmed.

## **Element 2**

Carry out make ready for multiple process work on a reel-fed press in accordance with workplace practices.

### **Performance criteria**

- 2.1 Production difficulties are anticipated and preventive action is taken to prevent occurrence by timely intervention.
- 2.2 Press crew are clearly advised of the requirements ensuring that no avoidable delays occur in accordance with workplace practices.
- 2.3 Order of inks is determined to meet the job requirements.
- 2.4 Make ready is carried out to meet the press and job requirements and any faults found are rectified.
- 2.5 Multiple process units are set to meet the job requirements and any faults found are rectified.

Range in-line, off-line.

## **Element 3**

Take a print and prepare for production run in accordance with workplace practices.

### **Performance criteria**

- 3.1 Press is fine-tuned to ensure that the required production standards and quality are achieved.
- 3.2 Print is taken and checked against job specifications and available sample or proof.
- 3.3 Quality of tonal values and trapping of secondary colours is checked to ensure that the job requirements have been met.
- 3.4 Print is passed for production run.
- 3.5 Counter and delivery systems are checked to ensure that the job requirements are met and counters are set ready for start of run.

## Element 4

Produce multiple process work on a reel-fed press in accordance with workplace practices and to meet job requirements.

### Performance criteria

- 4.1 Press start-up and shut-down procedures are followed.
- 4.2 Multiple process work is produced to meet the job requirements ensuring that production standards and quality are maintained throughout the run.
- 4.3 In-line and/or off-line systems are monitored and adjusted as necessary throughout the run.
- 4.4 Print standards are monitored against the approved sample.
- 4.5 Quality control guides are used to maintain the required production standards and quality throughout the run.
- 4.6 Problems encountered are rectified.

Range may include but is not limited to – dirty print, set-off, ghosting, gear marks, over/under impression, slur, show-through, ink contamination, retarded ink drying, bleeds, creasing, misregister, tracking, doctor blade faults and blocking, strike-through (printing on paper), scumming, haze, hickies, catch up (lack of water on plates), piling (build up of ink on edges), static problems.

## Element 5

Check job is completed before wash-up is commenced and undertake post-press tasks in accordance with workplace practices.

### Performance criteria

- 5.1 Quantity printed and other job requirements are checked against job documentation before wash-up is commenced and any discrepancies in quantity are rectified.
- 5.2 Correct shut-down sequence is followed in accordance with Occupational Health and Safety requirements.
- 5.3 Job documentation is completed and any amendments and variations are noted for future reference.
- 5.4 Other post-press tasks are carried out as required by the job documentation.

### **Please note**

Providers must be accredited by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by NZQA before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

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### **Comments on this unit standard**

Please contact [Competenz info@competenz.org.nz](mailto:Competenz info@competenz.org.nz) if you wish to suggest changes to the content of this unit standard.