

## Undertake pre-make ready for reel-fed printing

**Level** 3

**Credits** 12

**Purpose** People credited with this unit standard are able to: check documentation and confirm that the requirements for the job are available; prepare substrates for reel-fed printing; confirm image carrier/s meet press and job requirements; use inks, additives and chemicals in accordance with workplace practices; determine run sequence and prepare press imposition schedule to meet the job requirements.

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

Recommended: Unit 26315, *Demonstrate industry knowledge for reel-fed printing*; and Unit 16526, *Demonstrate knowledge of, and handle and store substrates used for reel-fed printing*; or demonstrate equivalent knowledge and skills.

**Replacement information** This unit standard replaced unit standard 2258 and unit standard 2259.

**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 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 <http://www.competenz.org.nz>.
- 3 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;  
*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

Prepare substrates for reel-fed printing.

Range any of the following as required to meet job requirements – paper, plastic film, foil, metallised film.

### Performance criteria

2.1 Substrate suitability and quality are confirmed as meeting the job requirements.

Range (depending on substrates used) consider – grammage, calliper, bulk value, grain direction, smoothness, opacity, transparency, coatings, absorbency, pH, strength, colour, finish, receptivity, moisture content, acceptance and retention properties.

2.2 Substrate quantity, including overs, is calculated and quantity issued is confirmed against the job documentation.

2.3 Substrates are conditioned in accordance with workplace practices to ensure smooth running on the press.

2.4 Damaged, flawed and substandard reels are repaired if useable or rejected in accordance with workplace practices.

## Element 3

Confirm image carrier/s meet press and job requirements.

### Performance criteria

3.1 Image carrier/s are checked in accordance with workplace practices and confirmed as meeting the press requirements.

3.2 Image carrier/s are checked against the proof for image defects and any defects are rectified or reported in accordance with workplace practices.

Range missing images, unwanted images, position of image, orientation of image.

3.3 Image carrier/s are treated to meet the press requirements in accordance with workplace practices.

Range may include – cleaning, bending, punching.

## Element 4

Use inks in accordance with workplace practices.

### Performance criteria

4.1 Inks are identified and used to meet the substrate, press and job requirements.

4.2 Ink quantities are calculated to meet the job requirements.

### **Element 5**

Determine run sequence and prepare press imposition schedule to meet the job requirements.

#### **Performance criteria**

5.1 Run sequence is established.

5.2 Number of printing units is determined.

5.3 Press imposition schedule is prepared as required to meet the press requirements.

### **Element 6**

Use additives and chemicals in accordance with workplace practices.

Range (depending on press being operated) may include – ink additives, fountain additives, driers, water treatment agents, water, cleaners, desensitisers, deletion fluids.

#### **Performance criteria**

6.1 Additives and chemicals used in the workplace are identified.

6.2 Additive quantities are calculated to meet job requirements.

6.3 Additives and chemicals are used to meet press and job requirements.

6.4 Problems arising from the use of additives are solved or reported.

Range may include – image blinding, scumming, tinting, emulsification.

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#### **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.