

## Print single colour work on a pad printing machine

**Level** 3

**Credits** 15

**Purpose** People credited with this unit standard are able to: demonstrate knowledge of factors affecting printing standards for pad printing in accordance with workplace practices; print single colour pad printing work; recognise and rectify or report potential and encountered problems; and carry out post-press tasks in accordance with workplace practices.

**Subfield** Printing

**Domain** Pad Printing

**Status** Registered

**Status date** 18 July 2008

**Date version published** 12 December 2008

**Planned review date** 31 December 2013

**Entry information** Prerequisite: Unit 340, *Demonstrate knowledge of safe working practices in the printing and graphic pre-press industries*, or demonstrate equivalent knowledge and skills.

Recommended: Unit 24991, *Make ready a pad printing machine for single colour pad printing*, or demonstrate equivalent knowledge and skills.

**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, Hazardous Substances and New Organisms Act 1996, Resource Management Act 1991, Privacy Act 1993, Copyright Act 1994, and their subsequent amendments.
- 2 *Workplace practices* refer to the documented procedures for the machine and/or workplace.

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## Elements and performance criteria

### Element 1

Demonstrate knowledge of factors affecting printing standards for pad printing in accordance with workplace practices.

#### Performance criteria

- 1.1 Factors which affect the printing speed for the job are described.  

Range	factors may include but are not limited to – ink, substrate, drying system, pre-treatment, machine condition, quality requirements.
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- 1.2 Factors which affect the print quality are described.  

Range	customer requirements, speed of machine, general condition of machine, pad wear, plate condition, substrate surface treatment, drying, substrate variation.
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- 1.3 Characteristics of an acceptable print are described.  

Range	colour consistency maintained, correct position, correct substrate, correct inks, standard maintained to approved sample.
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### Element 2

Print single colour pad printing work.

#### Performance criteria

- 2.1 Single colour work is printed to meet the requirements of the job.

2.2 Quality control procedures used to maintain required production standards are followed in accordance with workplace practices.

Range location of objects; printing plate condition; printing pad condition; spatula; doctor blade; ink cup; ink viscosity; manual loading; manual pre-treatment; drying racks; ink performance, colour, and register; position.

2.3 Print standards are monitored against approved sample.

Range includes but is not limited to – colour variation, ghosting, set-off, image position.

### **Element 3**

Recognise and either rectify or report potential and encountered problems.

#### **Performance criteria**

3.1 Production difficulties are anticipated and preventive action is taken to avoid occurrence, in accordance with workplace practices.

3.2 Problems encountered during the print run are identified and either rectified or reported, in accordance with workplace practices.

Range problems may include but are not limited to – dirty print, set-off, ghosting, over and/or under impression, slur, ink contamination, ink position, image position, spots, show through, static electricity, colour variation, product damage or contamination, poor release of ink by pad, insufficient opacity, distortion of motif, blurring, poor levelling of ink, poor wetting, splashes/spiderwebbing, fine lines running together, patchy surfaces, pinholes, motif smudged, ink peeling, poor adhesion.

### **Element 4**

Carry out post-press tasks in accordance with workplace practices.

#### **Performance criteria**

4.1 Quantity printed is checked against job documentation before wash-up is commenced.

4.2 Correct shut-down sequence is followed in accordance with machine operating manual, and occupational health and safety requirements.

4.3 Reclaimed ink is returned to store for re-use, or disposed of, in accordance with local body and product requirements.

- 4.4 Job documentation is completed.
- Range may include but is not limited to – job sheets, time sheets, electronic data storage.
- 4.5 Waste control procedures are followed.
- Range recyclable waste, non-recyclable waste, security waste.
- 4.6 Other post-press tasks are carried out.
- Range may include but is not limited to – labelling, substrate handling, filing plates, quality assurance (QA) requirements.

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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.