

<b>Title</b>	<b>Print single colour work on a pad printing machine</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	People credited with this unit standard are able to: demonstrate knowledge of factors affecting printing standards for pad printing; print single colour pad printing work; identify and rectify or report problems; and carry out post-press tasks.
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<b>Classification</b>	Printing > Pad Printing
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<b>Available grade</b>	Achieved
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<b>Prerequisites</b>	Unit 340, <i>Demonstrate knowledge of safe working practices in the print industry</i> , or demonstrate equivalent knowledge and skills.
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## Guidance Information

- 1 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the:

- Copyright Act 1994;
- Hazardous Substances and New Organisms Act 1996;
- Health and Safety at Work Act 2015;
- Privacy Act 2020;
- Resource Management Act 1991.

Any new, amended or replacement Acts, regulations, standards, codes of practice, guidelines, or authority requirements or conditions affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.

- 2 Definitions

*Job requirements* refer to specific requirements for the print 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 print workplace and/or organisation.

*Required production standards* refer to the production standards set down by the workplace, and the quality standards expected by the customer for the finished product.

*Workplace procedures* refer to organisation policies and procedures that are documented in memo, electronic, or manual format and available in the workplace. They may include but are not limited to – standard operating procedures, site specific procedures, site safety procedures, equipment operating procedures, quality assurance procedures, product quality specifications, manufacturer's requirements, references, approved codes of practice, housekeeping standards, environmental considerations, on-site briefings, supervisor's instructions, and procedures to comply with legislative and local body requirements relevant to the print sector.

- 3 It is recommended that people hold credits for Unit 24991, *Make ready a pad printing machine for single colour pad printing*, before being assessed against this unit standard.
- 4 **Assessment information**  
Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable service information, workplace procedures and legislative requirements.

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## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of factors affecting printing standards for pad printing.

#### Performance criteria

- 1.1 Describe factors which affect printing speed.

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 Describe factors which affect print quality.

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

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

Print single colour pad printing work.

#### Performance criteria

- 2.1 Print single colour work to meet the job requirements.

2.2 Follow quality control procedures to maintain required production standards.

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 Monitor print standards against approved sample.

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

### Outcome 3

Identify and rectify or report problems.

#### Performance criteria

3.1 Anticipate production difficulties and take preventive action to avoid occurrence.

3.2 Identify and rectify or report problems encountered during the print run.

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.

### Outcome 4

Carry out post-press tasks.

#### Performance criteria

4.1 Check quantity printed against job documentation before commencing wash-up.

4.2 Follow correct shut-down sequence in accordance with machine operating manual.

4.3 Return reclaimed ink to store for re-use, or dispose of safely, in accordance with product requirements.

4.4 Complete job documentation.

Range may include but is not limited to – job sheets, time sheets, electronic data storage.

4.5 Follow waste control procedures.

Range recyclable waste, non-recyclable waste, security waste.

4.6 Carry out other post-press tasks.

Range may include but is not limited to – labelling, substrate handling, filing plates, quality assurance requirements.

<b>Planned review date</b>	31 December 2027
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#### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	18 July 2008	31 December 2025
Revision	2	12 December 2008	31 December 2027
Review	3	30 March 2023	N/A
Revision	4	27 February 2025	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0013
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

#### Comments on this unit standard

Please contact Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council [qualifications@hangaarorau.nz](mailto:qualifications@hangaarorau.nz) if you wish to suggest changes to the content of this unit standard.