

Title	Print large format documents using a range of media		
Level	4	Credits	20

Purpose	<p>This unit standard is for experienced people working in the print or signmaking industries.</p> <p>People credited with this unit standard are able to: demonstrate knowledge of a wide range of media used in large format digital printing; demonstrate knowledge of a range of inks used in large format inkjet printers; maintain the printer and the surrounding environment to ensure suitability for printing; and print large format graphics using a range of different media to meet customer specifications.</p>
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Classification	Printing > Digital Processes for Print
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Available grade	Achieved
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Explanatory notes

- 1 Legislation and references relevant to this unit standard include but are not limited to – Health and Safety at Work Act 2015, Resource Management Act 1991, Privacy Act 1993, Copyright Act 1994.
- 2 Definition
Company requirements refer to any documented policies and procedures of the company involved.
- 3 The candidate is required to keep a portfolio of work indicating that they have successfully used a wide range of media specified in this unit standard.
- 4 The jobs selected for assessment must be completed within times set by the company and in accordance with established company requirements.
- 5 Accurate proofing of all documents is expected. The proof marks used may be any that are acceptable in the workplace.

Outcomes and evidence requirements

Outcome 1

Demonstrate knowledge of a wide range of media used in large format digital printing.

Range media may include but is not limited to – vinyl, canvas, paper, self-adhesive, card, fabrics, corflute, film;
evidence is required for a minimum of four different media.

Evidence requirements

1.1 Media are described in terms of their physical characteristics.

Range physical characteristics may include but are not limited to – grammage, calliper, coatings or finish, composition, texture, curl, adhesiveness, drying time, flame resistance, brightness, opacity.

1.2 Media are described in terms of their image qualities.

Range image qualities may include but are not limited to – contrast, colour quality, colour gamut, gloss, matt, definition.

1.3 Media are described in terms of their durability.

Range durability may include but is not limited to – colour fastness, waterfastness, scuff or scratch resistance, indoors, outdoors, flame resistance, cracking.

1.4 Media are described in terms of their uses for different job requirements.

Range uses may include but are not limited to – indoors, outdoors, fine art, photography, poster, signage, exhibition, portable displays, ink types, printer compatibility, mounting, finishing.

1.5 Media are described in terms of their cost in relation to their use.

Outcome 2

Demonstrate knowledge of a range of inks used in large format inkjet printers.

Evidence requirements

2.1 Different types of inks are described in terms of their composition.

Range types of inks may include but are not limited to – dye inks, pigment inks, water based, solvent inks, eco-solvent inks, brand inks.

2.2 Inks are described in terms of their features.

Range features may include but is not limited to – dry time, type of finish, colour gamut, fade (light resistance), water and chemical

resistance, greyscales, black and white images, number of ink colours, range of black inks, toxicity scratch resistance.

2.3 Inks are described in terms of their usage.

Range usage may include but is not limited to – indoor, outdoor, exposure to light, mounting, display, supported media.

Outcome 3

Maintain the printer and the surrounding environment to ensure suitability for printing.

Evidence requirements

3.1 Printer is maintained in accordance with manufacturer's instructions to ensure efficient use.

Range maintenance may include but is not limited to – cleaning, calibration.

3.2 Inks and media are stored.

3.3 The environment is prepared to print the specified document.

Range preparation may include but is not limited to – toxicity, extraction, ventilation, dust, light, humidity, space, temperature.

Outcome 4

Print large format graphics using a range of different media to meet customer specifications.

Evidence requirements

4.1 Files are prepared for printing on a large format digital printer.

Range preparation may include but is not limited to – format, colour, space, resolution, page size, imposition, colour management, fonts, profile cutting, tiling.

4.2 Media are handled.

4.3 Inks and media are selected for the specified graphic images to be printed.

4.4 Digital printer is prepared for printing with the specified media, inks, and colour profiles loaded.

4.5 A proof is printed.

4.6 The graphic images are printed to meet the customer's specifications and finishing requirements.

4.7 The large format print is prepared for finishing and delivery.

Planned review date	31 December 2022
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	25 May 2007	31 December 2012
Revision	2	12 December 2008	31 December 2012
Review	3	19 January 2012	31 December 2021
Review	4	20 April 2017	N/A

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

Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMR). The CMR 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.

Comments on this unit standard

Please contact Competenz qualifications@competenz.org.nz if you wish to suggest changes to the content of this unit standard.