

Title	Make plates for digital printing		
Level	3	Credits	8

Purpose	People credited with this unit standard are able to: demonstrate knowledge of the dangers associated with UV (ultraviolet) light sources and chemicals; process plates for printing and carry out a routine maintenance schedule for the platemaking area.
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Classification	Printing > Digital Processes for Print
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Available grade	Achieved
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Prerequisites	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

- Candidates must follow 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, Resource Management Act 1991, Privacy Act 1993, Copyright Act 1994, and their subsequent amendments.
- Workplace practices* refer to the documented procedures for the machine and/or workplace.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of the dangers associated with UV (ultraviolet) light sources and chemicals.

Performance criteria

- UV light source dangers are described in terms of eye damage, skin damage and ozone generation.
- Chemical dangers are described in terms of eye damage, skin damage, absorption, inhalation.

- 1.3 Safety precautions and ventilation required when using UV light sources and chemicals are described.

Outcome 2

Process plates for printing.

Range any one of – offset lithographic plates, photopolymer relief plates, relief metal plates, wipe-on plates, digital plates.

Performance criteria

- 2.1 Knowledge of the plates used in the workplace is demonstrated.

Range kinds of plates and their uses, handling of foils, process of photopolymerisation, rationale of pin register systems, storage requirements for new and processed plates, lighting conditions required for handling plates.

- 2.2 Plates are processed to meet the requirements of the job.

Range may include the following, but not limited to depending on the plates being processed – full and even development, over/under exposure, shoulder angle, out of contact.

Outcome 3

Follow the routine maintenance schedule for the platemaking area of the workplace.

Performance criteria

- 3.1 Repairs and adjustments of a minor nature are carried out in accordance with workplace practices to ensure efficient operation of the equipment.

- 3.2 Equipment is inspected and maintained to ensure efficient operation and safety devices checked to ensure correct operation.

- 3.3 A preventive maintenance programme is followed in accordance with workplace practices.

- 3.4 Procedures for disposal and recycling of waste material are followed in accordance with workplace practice, local body, and product requirements.

- 3.5 Storage procedures for materials, consumables and equipment are followed in accordance with workplace practice, local body, and product requirements.

This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	28 November 2000	31 December 2025
Review	2	24 November 2005	31 December 2025
Review	3	26 January 2007	31 December 2025
Revision	4	12 December 2008	31 December 2025
Review	5	30 March 2023	31 December 2025

Consent and Moderation Requirements (CMR) reference

0005

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