

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.

Subfield Printing

Domain Digital Processes for Print

Status Registered

Status date 26 January 2007

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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.

Replacement information This unit standard replaced unit standard 2306, unit standard 2307, unit standard 2308, unit standard 2309, and unit standard 3126.

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>.

Special notes

- 1 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.

- 2 *Workplace practices* refer to the documented procedures for the machine and/or workplace.

Elements and performance criteria

Element 1

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

Performance criteria

- 1.1 UV light source dangers are described in terms of eye damage, skin damage and ozone generation.
- 1.2 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.

Element 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.

Element 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.

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.

Comments on this unit standard

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