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**PRINTING - SCREEN**  
**Reclaim screens using an automatic  
machine, and maintain cleaning  
equipment for screen printing**

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| <b>level:</b>                | 2  |
| <b>credit:</b>               | 6  |
| <b>planned review date:</b>  | March 2009   |
| <b>sub-field:</b>            | Printing   |
| <b>purpose:</b>              | People credited with this unit standard are able to: select and prepare screen reclaiming chemicals for use in an automatic machine; wash screens using an automatic machine; store screens in accordance with workplace practices; and carry out routine maintenance on the automatic cleaning equipment.   |
| <b>entry information:</b>    | Prerequisite: Unit 340, <i>Demonstrate knowledge of safe working practices in the printing and graphic pre-press industries</i> , or demonstrate equivalent knowledge and skills.  |
| <b>accreditation option:</b> | Evaluation of documentation by NZQA and industry.  |
| <b>moderation option:</b>    | Locally based external moderation system.  |
| <b>special notes:</b>        | <ol style="list-style-type: none"><li>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 and their subsequent amendments.</li><li>2 <i>Workplace practices</i> refer to the documented procedures for the machine and/or workplace.</li></ol> |

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**Elements and Performance Criteria**

**element 1**

Select and prepare screen reclaiming chemicals for use in an automatic machine.

**performance criteria**

1.1 Kinds of inks, screens and stencils used in screen printing are identified and named.

Range: inks – water based, solvent based, polymerisation (ultra-violet [UV], epoxy);  
screens – frames (wooden, steel, aluminium, self stretching),  
mesh (nylon, polyester, metal, carton fibre, combinations of these);  
stencils – indirect, capillary, direct emulsion, cut (by hand or computer).

1.2 Screen is assessed for suitability to be reclaimed.

1.3 Screen reclaiming chemicals are selected and prepared in accordance with the manufacturer's and/or supplier's instructions.

1.4 Safety gear is selected and worn in accordance with the manufacturer's and/or supplier's instructions and following occupational health and safety requirements.

**element 2**

Wash screens using an automatic machine.

**performance criteria**

2.1 Screens are washed using an automatic machine in an area ventilated to extract chemical vapours.

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- 2.2 Stains and hazes are removed using selected chemicals and following the manufacturer's and/or supplier's instructions and occupational health and safety requirements.
- 2.3 Screens are checked for damage and any defects are rectified or reported in accordance with workplace practices.

**element 3**

Store screens in accordance with workplace practices.

**performance criteria**

- 3.1 Screens are identified and labelled in accordance with workplace practices.
- 3.2 Screens are stored in a clean, dry environment following manufacturer's and/or supplier's instructions.

**element 4**

Carry out routine maintenance on the automatic cleaning equipment.

**performance criteria**

- 4.1 Automatic cleaning equipment is inspected and routine maintenance is carried out in accordance with the manufacturer's and/or supplier's instructions and workplace practices.
- 4.2 Automatic cleaning equipment is adjusted to suit the requirements of the ink system, mesh, and frame size.
- 4.3 Cleaning equipment is lubricated, cleaned, and adjusted in accordance with the manufacturer's and/or supplier's instructions, and faults found are reported in accordance with workplace practices.

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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.

**Please Note**

Providers must be accredited by the Qualifications Authority or a delegated inter-institutional body before they can register credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by the Qualifications Authority 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 providers wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

This unit standard is covered by AMAP 0005 which can be accessed at <http://www.nzqa.govt.nz/site/framework/search.html>.