
PRINTING - SCREEN
Make ready and print multi colour (not process) for flat sheet screen printing

level:	3
credit:	25
planned review date:	March 2009
sub-field:	Printing
replacement information:	This unit standard, unit standard 5138, unit standard 5140, unit standard 5141, unit standard 5142, and unit standard 5143 replaced unit standard 345, unit standard 347, and unit standard 348.
purpose:	People credited with this unit standard are able to: set and position the screens for multi colour (not process) flat sheet screen printing; undertake make ready tasks for multi colour flat sheet work; and print multi colour flat sheet work in close register.
entry information:	<p>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.</p> <p>Recommended: Unit 5138, <i>Make ready and print single colour for flat sheet screen printing</i>; and Unit 21328, <i>Demonstrate industry knowledge for screen printing</i>; or demonstrate equivalent knowledge and skills.</p>
accreditation option:	Evaluation of documentation and visit by NZQA and industry.
moderation option:	A centrally established and directed national moderation system has been set up by Competenz.

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special notes:

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

Elements and Performance Criteria

element 1

Set and position the screens for multi colour (not process) flat sheet printing.

performance criteria

- 1.1 Stencils for multi colour work are touched up ensuring all imperfections are removed.
- 1.2 Screens for multi colour work are locked into the press to give accurate register with the other colours.

Range: lays set square, machine settings set to neutral;
 maximum tolerance – $\pm 0.2\text{mm}$.

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element 2

Undertake make ready tasks for multi colour flat sheet work.

performance criteria

- 2.1 Screens are inked up with the correct colour ink.
- 2.2 First multi colour prints are taken and adjustments made to ensure that the requirements of the job specifications are met.
- 2.3 Prints are passed for production run, and approval to run obtained in accordance with workplace practices.

element 3

Print multi colour flat sheet work in close register.

performance criteria

- 3.1 First colour is printed to meet the requirements of the job specifications.
- 3.2 Second and/or subsequent colours are printed to meet the requirements of the job specifications.
- 3.3 Production standards are maintained throughout the print runs.

Range: colour density, fit, register, overprinting colours, adhesion (inter-colour), adhesion to stock.
- 3.4 Overprint finishes are used to meet the requirements of the job specifications.

Range: any of – overgloss, ultra-violet (UV) coating, aqueous coating, waxing.

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- 3.5 Problems and faults encountered during the print run are recognised, their causes explained and methods of rectifying them described.
- Range: includes but is not limited to – smudging, colour variation, position, loss of detail, drying of ink in the screen, dust, set-off, change of viscosity, legibility, clarity, static, ink reticulation, orange peel, humidity, stencil breakdown, pin holes, substrate movement.
- 3.6 Quantity printed meets requirements of job documentation.
- 3.7 Post-press tasks are carried out as required by the job documentation and in accordance with workplace practices.

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.

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>.