

**Specification of Competency Standards**  
**for the Printing and Publishing Industry**  
**Unit of Competency**

1. Title	Master lithographic printing technology
2. Code	PPRPR303A
3. Level	3
4. Credit	12
5. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>5.1 Master operational condition of lithographic printing press to maintain high productivity</p> <ul style="list-style-type: none"> <li>◆ Understand and apply techniques for adjusting feeder accessories (including small brush, rubber roller, steel roller, wheelbrush and double paper feeder, side lay and front lay)</li> <li>◆ Familiar with techniques for operating dampening system and ink roller system</li> <li>◆ Master method and techniques for adjusting and operating discharge board (including blowing and spray powder system, stacker and delivery table)</li> </ul> <p>5.2 Master technological requirements for lithographic printing press to achieve quality printing</p> <ul style="list-style-type: none"> <li>◆ Understand technological requirements regarding relationship between ink-water balance adjustment in lithographic printing and print effect</li> <li>◆ Master technological requirements in relation to replacing printing plate and rubber blanket of impression system</li> <li>◆ Familiar with influence of printing pressure and paper feeding speed on print effect</li> <li>◆ Understand quality requirements on impression to meet standard of the original</li> </ul>

	<p>5.3 Mix and match pantone using process colour ink, pantone inks and transparent ink</p> <p>5.4 Operate lithographic printing press for production</p> <p>◆ Master mixing kinds of ink within acceptable range</p> <p>◆ Operate various parts of lithographic printing press during production, control process colour and pantone printed product so that set quality standards are met</p>
6. Range	Operate lithographic printing press to ensure that process colour and pantone print products meet set standards and perform related tasks in lithographic printing department
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Able to operate various parts of lithographic printing press during production, maintain high level productivity and able to control process colour and pantone printed product quality so that set standards are met.</p>
8. Remarks	The credit value of this unit of competency is based on the assumption that the learner has knowledge of lithographic printing operation.