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

1. Title	Know basic printing technology
2. Code	PPPRPR101A
3. Level	1
4. Credit	12
5. Competency	<table><tr><td colspan="2" align="center">Performance Requirements</td></tr><tr><td>5.1 Know major printing methods and their characteristics</td><td>♦ Know the four methods of (lithographic, intaglio, relief and screen) printing ♦ Know print image properties in the four methods of (lithographic, intaglio, relief and screen) printing ♦ Know types of digital printing</td></tr><tr><td>5.2 Know theory of lithographic printing</td><td>♦ Know difference between digital printing and conventional printing ♦ Know theory of lithographic printing ♦ Know appropriate acidity or alkalinity ♦ Know correct way of mixing fountain solution ♦ Understand burning of lithographic printing plate and its properties ♦ Follow correct procedures for plate preservation</td></tr><tr><td>5.3 Know theory of intaglio printing</td><td>♦ Understand theory of intaglio printing ♦ Understand burning of intaglio printing plate and its properties ♦ Follow correct procedures for intaglio printing plate preservation</td></tr></table>

	5.4 Know theory of relief printing	♦ Understand theory of relief printing
		♦ Understand burning of relief printing plate and its properties
		♦ Follow correct procedures for relief printing plate preservation
	5.5 Know theory of screen printing	♦ Understand theory of screen printing
		♦ Understand burning of screen printing plate and its properties
		♦ Follow correct procedures for screen printing plate preservation
	5.6 Know theory of major digital printing methods	♦ Understand theories of major digital printing methods
		♦ Know digital printing flow
		♦ Understand pros and cons of digital printing and conventional printing
	5.7 Assist in printing plate burning and preservation	♦ Assist in printing plate burning and preservation based on the properties of plates used for different printing methods and according to instructions
6. Range	Assist in printing machine operation and plate preservation according to set instructions and perform related tasks in printing department.	
7. Assessment Criteria	The integrated outcome requirements of this unit of competency are: (i) Able to assist in printing plate burning and preservation and related tasks based on the properties of plates used in major printing methods and according to instructions.	
8. Remarks	This unit of competency is applicable to printing industry practitioners in general.	