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

Functional Area - Printing Technology

Title	Know basic printing technology
Code	106254L1
Range	Assist in printing machine operation and plate preservation according to set instructions and performed related tasks in printing department.
Level	1
Credit	3 （For Reference Only）
Competency	Performance Requirements 1. Know major printing methods and their characteristics • Know the methods of lithographic, intaglio, relief, screen and digital printing • Know the difference among lithographic, intaglio, relief, screen and digital printing, and their respective print image properties. • Know the principles of lithographic, intaglio, relief, screen and digital printing. • Know the printing plate making methods of lithographic, intaglio, relief and screen printing. • Know the maintenance procedure for the use and preservation of plates in lithographic, intaglio, relief and screen printing. • Know the correct plt value and mixing methods of fountain solution in lithographic printing. • Know the pros and cons of conventional and digital printing. • Know the types, principles, and production workflow of digital printing. • Know basic operation techniques of digital printing processes. 2. With the above knowledge, be able to assist in printing machine operation, plate making, and plate preservation during and after job. 3. Be able to assist in the proper procedure of protecting plates.
Assessment Criteria	This integrated outcome requirement of this unit of competency: • Be able to assist in plate making and preservation and other related tasks based on the properties of plates used in major printing methods and according to instructions.
Remark	This unit of competency is applicable to printing industry practitioners in general.