

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

Functional Area - Material Technology

Title	Understand the structures of printing materials
Code	106287L3
Range	Assist in the testing of printing materials with testing equipment and perform related tasks for print production department.
Level	3
Credit	6 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Understand the structures of major printing materials, such as papers, printing ink, solvents, plate materials, and polymers.</p> <ul style="list-style-type: none"> • Understand the physical and chemical properties of major printing materials. • Understand the printability of major printing materials and their reactions when they are used together. • Understand the methods and objectives of testing major printing materials. • Understand the concept of carbon footprints for materials. <p>2. With the above knowledge, be able to master the testing methods for different types of printing materials and assist in conducting tests by using testing equipment.</p> <p>3. Be able to assist in choosing printing materials that are of a good quality, environmentally friendly, and in compliance with the requirements on occupational safety and health in the light of the company's material procurement guidelines.</p>
Assessment Criteria	<p>The integrated outcome requirement of this unit of competency:</p> <ul style="list-style-type: none"> • Be able to assist in the testing of printing materials by operating testing equipment.
Remark	The credit value of this unit of competency is based on the assumption that the learner has general knowledge of printing materials.