

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

Functional Area - 綠色印刷

Title	Master the calculation of carbon footprints
Code	106290L4
Range	Familiar with the calculation method of carbon footprints, be able to explore/propose effective environmental protection proposals, and assist in formulating corporate environmental policies.
Level	4
Credit	3 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Familiar with the calculation of carbon footprints.</p> <ul style="list-style-type: none"> • Be able to identify carbon footprints arising from print production workflow, including printing materials, computer systems, electrical machinery, plant air-conditioning systems, logistics and transportation, etc. • Understand the carbon footprint values of various printing materials. • Understand the calculation method of carbon footprints arising from print production workflow. • Understand international and local laws and regulations on carbon footprint management for printing industry. • Well versed in international and local environmental laws and regulations. • Understand international carbon footprint standards such as ISO 16759, PAS 2050, ISO/TS 14067, etc. <p>2. With the above knowledge, be able to advise various departments of the printing company on the implementation of energy saving policies and assist in the establishment of green production guidelines.</p> <p>3. Be able to assist in monitoring staff performance in reducing carbon emissions, avoiding material wastages and encouraging reuses, in order to meet green standards in print production.</p>
Assessment Criteria	<p>The integrated outcome requirements for this unit of competency are:</p> <ul style="list-style-type: none"> • Master the calculation method of carbon footprints, be able to advise various departments of the printing company on the implementation of energy saving and carbon emission reduction policies, and assist in the establishment of green production guidelines. • Be able to assist in monitoring staff performance in reducing carbon emissions.
Remark	The credit value for this unit of competency is based on the assumption that the learner has knowledge of green management in print production.