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

Functional Area - Printing Technology

Title	Understand 3D Lenticular Printing technology
Code	106259L4
Range	Master production techniques of 3D Lenticular print products, and be able to meet customers' required specifications for establishing effective production plan in the production department of a printing company.
Level	4
Credit	6 （For Reference Only）
Competency	Performance Requirements 1. Understand 3D Lenticular printing technology • Know thoroughly the categories and scope of applications of 3D Lenticular print products. • Understand prepress production technology for 3D Lenticular printing, including: 3D imagery photography, 3D/multiple image effect production software, file format specifications and requirements of 3D Lenticular files. • Master printing technologies for 3D Lenticular printing, including: printing equipment's features and capabilities, print shop's environmental control, printability of lithographic or digital printing methods, technical requirements for different printing substrates, etc. • Understand postpress and finishing techniques and procedure for 3D Lenticular printing. • Understand 3D Lenticular print materials' technical requirements for processing of the biconvex lenticule plastic sheet, including: types of plastic sheets, printability, censes per inch, refractive index, thickness, 3D effect, plastic material size and refractive angle, etc. • Master quality control methods for 3D Lenticular printing. 2. With the above knowledge, implement effective production for 3D Lenticular printing. 3. Be able to coordinate effective communication and technical dialogue of all departments in order to ensure consistent product quality and meet the requirements of customers.
Assessment Criteria	This integrated outcome requirement of this unit of competency: • Be able to establish effective 3D Lenticular printing production plan.
Remark	The credit value of this unit of competency is based on the assumption that the learner has printing production technology application and management knowledge.