

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

1. Title	Plan new product production line
2. Code	PPPRCT601A
3. Level	6
4. Credit	15
5. Competency	<p style="text-align: right;"><u>Performance Requirements</u></p> <p>5.1 Master new product production flow</p> <ul style="list-style-type: none"> ◆ Understand optimization of new product design ◆ Explore suitable material for optimizing manufacture of new product ◆ Plan optimized production flow for new product <p>5.2 Master equipment support for new product</p> <ul style="list-style-type: none"> ◆ Find most suitable and effective equipment for production <p>5.3 Master production capacity of new production line</p> <ul style="list-style-type: none"> ◆ Master production capacity and limitations of new production line ◆ Understand production cycle of new production line <p>5.4 Master factory design for new production line</p> <ul style="list-style-type: none"> ◆ Design useful factory layout for new production line <p>5.5 Set budget for new product investment</p> <ul style="list-style-type: none"> ◆ Calculate material cost of new product ◆ Estimate production cost of new production line ◆ Master factory cost of new production line ◆ Compare cost-effectiveness of new production line ◆ Set budget for new product investment

6. Range	Set cost-effective scheme for production line and set budget for investment in a new product by taking into account factors like the design, materials needed, production facilities and factory in relation to the product and perform related tasks for senior management of printing enterprise production department.
7. Assessment Criteria	The integrated outcome requirements of this unit of competency are: (i) Able to set budget for production line investment in relation to a new product based on factors affecting production cost of the product.
8. Remarks	The credit value of this unit of competency is based on the assumption that the learner has knowledge of printing enterprise operation and management.