

Unit of Competency**Functional Area: Sales and Merchandising**

Title	Co-ordinate manufacturing and design
Code	105270L4
Range	This unit of competency is applicable to practitioners in the import and export industry to set the desirable condition of the product and co-ordinate manufacturing and inspection of products.
Level	4
Credit	5 (for reference only)
Competency	<p>Performance Requirement</p> <ol style="list-style-type: none"> 1. Possess knowledge of design and production <ul style="list-style-type: none"> • Describe the conversion of concept or idea into configuration or specification • Describe the processes of transformation of intangible(e.g., concepts and ideas) inputs and tangible inputs(e.g., raw materials and semi-finished goods) into products 2. Co-ordinate product design and production <ul style="list-style-type: none"> • Identify the desirable condition of the product • Determine product specification • Set production schedule and estimate production cost • Conduct analysis of producibility and production processes according to the product features • Co-ordinate the application of production methods, tools and equipment • Co-ordinate the use of resources to achieve the desirable outcomes • Co-ordinate the production of the products • Co-ordinate the inspection of the products • Co-ordinate the use of cost control techniques in product manufacturing 3. Consider cost and environmental implications in design and production <ul style="list-style-type: none"> • Make adjustment in design by taking into account the cost and environmental implication in designing and manufacturing products
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> • Capable of identifying desirable condition of the product, setting production schedule, and estimating production cost • Capable of co-ordinating product design and manufacturing operations • Capable of using cost control techniques in producing products
Remark	