

Specification of Competency Standards
for the Manufacturing Technology Industry
Unit of Competency

Functional Area - Product Design and Development

Title	Apply and monitor product data management and engineering change network system, concurrent design and development of different products
Code	106575L5
Range	This unit of competency is applicable to design and development departments of Manufacturing Technology Industry. Practitioners should be capable to apply product data management and engineering change network system in accordance with the product engineering modification situation of the corporation
Level	5
Credit	6 (For Reference Only)
Competency	<p>Performance Requirements</p> <ol style="list-style-type: none"> 1. Understand relevant knowledge of product data management and engineering change network system <ul style="list-style-type: none"> • Understand all kinds of product data management and engineering change network system, such as PDM and PLM • Understand the Electronic Product Data Management of different product data management and engineering change network system, database, network access method and Internet infrastructure 2. Apply product data management and engineering change network system <ul style="list-style-type: none"> • Apply product data management and engineering change network system • Effective apply and operate the product data management and engineering change network system, achieve designers from different departments can develop different parts of products in parallel, so that the entire product design can be modified in parallel and ensure that the design information will not be leaked • monitor product data management and engineering change network system, including monitor the daily operation of the system and data transmission efficiency • Apply and monitor product data management and engineering change network system and coordinate with other existing CAD/CAM/CAE/CAID system, set up communication interface and successfully complete the data support 3. Professional handling of apply and monitor product data management and engineering change network system <ul style="list-style-type: none"> • Ensure all contents and information of product data management and engineering change network system are accurate • During application and monitor of product data management and engineering change network system, prevent any misuse / misappropriation of corporate assets, corruption, fraud or extravagance etc
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> • Capable to apply and monitor product data management and engineering change network system • Capable to ensure the coordination and support between all product data management and engineering change network system and CAD/CAM/CAE/CAID system
Remark	