

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

Functional Area - Business Intelligence and Information Technology

Title	Analyse application areas of “Industry 4.0”, helps enterprise to conduct data-driven and intelligent operations in appropriate areas and continuously improve efficiency
Code	111557L6
Range	This unit of competency applies to the business intelligence and information technology departments, marketing, sales and customer management departments / marketing departments, product design and development departments, process design and development departments / engineering departments, product manufacturing departments / production departments, and supply chain management departments of companies in the manufacturing technology companies. Practitioners should be capable to grasp the demand for intelligent products and services, as well as intelligent production and logistics, thereby leveraging innovative “Industry 4.0” application models to assist companies in developing intelligent solutions and implementing intelligent production
Level	6
Credit	5
Competency	Performance Requirements - Understand the relevant knowledge of “Industry 4.0” application areas - Understand intelligent solutions are primarily formed through intelligent products and services - Understand innovative models of smart products, services, production, and logistics - Understand how smart manufacturing and logistics can bring cost savings and improved efficiency to businesses - Understand global past successful innovations and failures in digital business models - Analysis of the application areas of “Industry 4.0” - Able to analyse new technologies, features, and cases of smart products and services on the market - Able to plan intelligent manufacturing and logistics technologies to solve the problems of production flexibility and time-limited production for product orders - By leveraging Industry 4.0 and innovative digital business models, able to examine strategic shifts for the company from present to future - Able to plan the scope of intelligent applications and implementation technologies for enterprises - Professional handling of analysis in the application areas of “Industry 4.0” - Able to prevent any abuse of power or fraudulent activities through the analysis of “Industry 4.0” application areas
Assessment Criteria	The integrated outcome requirements of this unit of competency are: - Able to examine company’s current business model and sustainable benefits - Able to plan and implement innovative models of intelligent production and logistics in response to the intelligent manufacturing needs of enterprises - Able to plan and apply intelligent solutions to innovate business models in response to the market strategy needs of enterprises

Remark	Individuals who possess the above knowledge and competency are able to support the enterprise to achieve the Industry 4.0 digital maturity level of transparency (2i)
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