

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

Functional Area - Business Intelligence and Information Technology

Title	Establish “Industry 4.0”enterprise database to provide comprehensive, multi-faceted, and real-time operational data for recording and analysis purposes
Code	111554L5
Range	This unit of competency is applicable to the business intelligence and information technology departments, and supply chain management departments of companies in the manufacturing technology industry. Practitioners should be capable to grasp the demand for intelligent products and services, as well as intelligent production and logistics, thereby leveraging innovative application models of “Industry 4.0” to assist companies in developing intelligent solutions and implementing intelligent production
Level	5
Credit	6
Competency	Performance Requirements - Understand relevant knowledge of “Industry 4.0” application areas - Understand the formation of intelligent solutions (including intelligent products and services) - Understand innovative models of smart products and services - Understand the cost savings and efficiency improvements that smart manufacturing and logistics can bring to businesses - Understand innovative models of smart manufacturing and logistics - Understand global past successful innovations and failures in digital business models - Analyse application areas of “Industry 4.0” - Able to analyse the new technologies, features, and cases of smart products and services on the market - Able to plan and implement intelligent manufacturing and logistics technologies to solve the problems of production flexibility and time-limited production for product orders - Able to integrate and utilise “Industry 4.0”and innovative digital business models to assist management in reviewing corporate strategy and planning strategic transformation - Able to assist management in planning the scope of intelligent applications for enterprises and realising intelligent operations - 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 review and improve company’s current business model to achieve sustained profitability - 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 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)

