Specification of Competency Standards
for the Logistics Industry
Unit of Competency

Functional Area - Smart Logistics

Title	Apply electronic devices on cargo identification
Code	LOCUEL203B
Range	This unit of competency is applicable to all logistics operators. Practitioners should be capable to apply electronic identification technology on cargoes effectively to the logistics operation of the company.
Level	2
Credit	6 （For Reference Only）

Competency	Performance Requirements
	1. Possess basic knowledge of electronic identification technology on cargoes
	
	• Understand the concept of electronic identification technology on cargoes
	• Understand different types of electronic identification technology on cargoes, such as bar code identification, radio frequency identification, etc.
	• Understand the most advanced logistics technologies not limited to cargo identification like big data, IoT, AI, Robotic, AGV, ASRA, etc.
	• Understand equipment used for electronic identification technology on cargoes, such as reader, sensor, aerial, etc.
	• Understand the limitations of, and possible deviation and misreading found in electronic identification technology
	• Understand the contingency measures when failing to use electronic identification technology
	• Understand system to convert collected data into messages, report and other automated system
	• Understand the development and application on operation, safety and effectiveness of robotic logistics
	• Understand related governing requirement of service providers and companies on system and equipment
	• Understand the working procedures in workplaces and for handling cargoes
	• Understand the importance of electronic identification of cargoes to logistics operation
	
	2. Execute/Apply smart logistics technology
	
	• Select smart logistics system application for operations include:
	    ○ Warehouse (inbound, storage, sorting & picking, outbound, loading unloading)
	    ○ Transportation
	    ○ Distribution
	    ○ Inventory Management
	    ○ Material Handling
	    ○ Packaging
	• Define the need and requirement of system according to company's and customer's requirement
	• Select appropriate electronic identification of cargo equipment
	• Operate the equipment for electronic identification of cargoes according to procedures
	• Check whether the equipment works well
	• Read the information displayed on the equipment
	• Input, record and transmit relevant data according to procedures
	• Use the equipment for electronic identification of cargoes according to occupational safety and health recommendations
	• Inspect, calibrate and maintain the equipment regularly for their compliance and accuracy

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Assessment Criteria	The integrated outcome requirements of this unit of competency are: • Capable to use safely the equipment for electronic identification of cargoes; and • Capable to read, input, record and transmit correctly the information displayed on the equipment.
Remark	This UoC is adopted from the Logistics UoCs LOCUEL209A and LOCUEL213A