Specification of Competency Standards
for the Logistics Industry
Unit of Competency

Functional Area - Planning and Design of Logistics Solutions

Title	Plan and design global logistics solutions (logistics facilities)
Code	LOCUPD701B
Range	This unit of competency is applicable to logistics service providers. Practitioners should be capable of planning and designing global logistics solutions for customers by utilising the corporate resources and network (logistics facilities).
Level	7
Credit	6 （For Reference Only）
Competency	Performance Requirements 1. Possess the knowledge of global logistics solutions (logistics facilities) • Understand the requirements on logistics, transportation, warehousing, customs and bonded operations imposed by different countries, etc. • Understand the throughput and facilities of ports, terminals and airports of the world • Understand the distribution of major cities in the world • Understand the locations, connecting routes and methods of logistics service points, warehouses, and production sites/sales points in the region • Understand the design principles of global network • Understand the concepts of connection and “hub and spoke” between regions • Understand the functions of global logistics/distribution centres and their division of work and integration • Understand international logistics models, such as the network of air, sea, rail and highway transport and the costs incurred. • Understand the standardised operations in the logistics industry, such as packaging, documentation, electronic data exchange, internationalised information systems, customs, anti-terrorist measures, etc. • Master the use of analytical tools, such as operational research, statistical method and cost benefit analysis, and relevant computer software • Master the calculations of time, space and cost in relation to different regions • Understand the matching principle of transport, stuffing and warehousing 2. Plan and design global logistics solutions • Design global logistics network and routes o Analyse the nature, weight, volume and value of goods o Analyse the advantages and disadvantages of using the different modes of transport o Analyse the advantages and disadvantages of using global distribution centres o Analyse the feasibility of using cross-docking mode and the advantages and disadvantages o Analyse whether to use centralised warehouses or separate warehouses o Design appropriate routings and frequency to calculate the delivery cost and time among sites of the global network • Bring about synergy through co-ordination and integration of the resources in the company network and of cooperation from partners • Design the best and the most cost effective transport mode, delivery network/routings and multi-modal arrangements, etc • Design cost effective ways of storage, transshipment and distribution • Plan effective workflow and procedures for handling and transferring goods, documents and information

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Assessment Criteria	The integrated outcome requirements of this unit of competency are: • Capable of planning and designing cost effective solutions for global logistics with reference to the operations policy and the needs of customers; and • Capable of compiling reports to illustrate logistics solutions to the management or the sales department and regular review on the implementation of logistics solutions
Remark	This UoC splits from the Logistics UoC LOCUPD701A