Functional Area - Planning and Design of Logistics Solutions

Title	Plan and design local logistics solutions
Code	LOCUPD501B
Range	This unit of competency is applicable to sea freight, air freight and express service providers. Practitioners should be capable of planning and designing local logistics solutions for customers by utilising the corporate resources and network.
Level	5
Credit	9 （For Reference Only）
Competency	Performance Requirements 1. Possess the knowledge of local logistics solutions - Understand the local operations strategies of the company - Understand the requirements on logistics, transportation, warehousing, customs and bonded operations imposed by different countries, etc. - Understand the locations, connecting routes and methods of logistics service points, warehouses, and production sites/sales points in the district - Understand the capability of competitors and their scope of service - Understand the design principles of district network - Understand the functions of local logistics/distribution centres - Understand local logistics operations modes, such as the structure and costs for road, railway and river network - Understand the local customer on their need and future development trend and also their ultimate buyer models and behaviour - Understand new local logistics models and service change and development among the district - Understand local market change like import and export deficit, demand and supply of warehouse and distribution, etc - Master the company's connection with district partners, agents and operators - Master the use of analytical tools, such as operational research, statistical method and cost effectiveness analysis, and relevant computer software - Master the calculations of time, space and cost in relation to different districts - Master the principles of integration in multi-modal transport, cargo handling and warehousing 2. Plan and design local logistics solutions - Design local logistics network and routes - Analyse the data of cargo volume (in average, maximum, and seasonal terms) of customers and the routing (departure place, transhipment point and destination) - Analyse the nature, weight, volume and value of goods - Analyse the distribution and distance of customers - Analyse the advantages and disadvantages of using different types of transport - Analyse the advantages and disadvantages of using central distribution centres - Analyse the feasibility of using cross-docking mode and the advantages and disadvantages - Analyse whether to use centralised warehouses or separate warehouses - Design appropriate routings and frequency - Analyse the feasibility of providing different value-added services - Establish key performance indicators and measurement tools to ensure the effectiveness and efficiency of logistics solutions

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	• Compile reports to illustrate the operations of logistics solutions and the main design concepts and principles • Bring about synergy through co-ordination and integration of the resources in the company network and cooperation from partners • Design channels for information transfer and establish control points • Design the best and most cost effective transport mode, delivery network/routing and multi-modal arrangement, etc. • Design cost effective ways of storage, transshipment and distribution • Analyse the services and capability of district contractors/partners in different logistics stages and use the services of appropriate contractors/partners when designing logistics solutions • Plan the workflow and procedures for handling and transferring goods, documents and information • Compile logistics plan • Identify the audit mechanism for all relevant parties to ensure compliance with the company's requirement 3. Conduct a review • Review after the logistics plan is implemented • Determine the ideal outcome of logistics operation • Set KPI as a regular review mechanism according to the company's policy • Collect data and information to evaluate the effectiveness of logistics plan • Identify the performance gaps if there are inadequacies • Make recommendations to achieve the desired outcome \Make recommendations to adjust the logistics plans
Assessment Criteria	The integrated outcome requirements of this unit of competency are: • Capable of plan and design a cost effective and solid local logistics solutions according to the operation policy of the company and customer demand • Capable of compile reports to the management to describe the content and flow of logistics solution with regular review logistics solution
Remark	This UoC is adopted from the Logistics UoCs LOCUPD501A and LOSAPD501A