

Specification of Competency Standards
for the Logistics Industry
Unit of Competency

Functional Area - Planning and Design of Logistics Solutions

Title	Plan and design regional logistics solutions (logistics facilities)
Code	LOCUPD601B
Range	This unit of competency is applicable to logistics service providers. Practitioners should be capable of planning and designing regional logistics solutions for customers by utilising the corporate resources and network (logistics facilities).
Level	6
Credit	6 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Knowledge of regional logistics operations</p> <ul style="list-style-type: none"> • Understand the requirements on logistics, transportation, warehousing, customs and bonded operations imposed by different governments in the region • Understand the throughput and facilities of ports, terminals and airports in the region • Understand the distribution of major cities in the region • Understand the locations, connecting routes and methods of logistics service points, warehouses, and production sites/sales points in the region • Understand the capability of comparable regional competitors and their scope of services • Understand the design principles of regional network • Understand the concepts of connection and “hub and spoke” between districts • Understand the functions of regional logistics/distribution centres and their division of work and integration • Understand inter regional logistics modes, such as the network of air, sea, rail, river and highway transport and the costs incurred • Understand the development trend and shift of services and products of global airlines, carriers and other global subcontractors of the company against the market competition • Understand the global customers requirement and future development trend and the end users’ buying pattern and behaviour • Understand the change and development of new logistics pattern and services of the district • Understand the change of global market like import/export deviation, warehouse and distribution demand and supply, etc • Master the company’s connection with regional 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 within the region • Master the principles of integration in multi-modal transport, cargo handling and warehousing <p>2. Plan and design regional logistics solutions</p> <ul style="list-style-type: none"> • Design regional logistics network and routes <ul style="list-style-type: none"> ○ Analyse the nature, weight, volume and value of goods ○ Analyse the advantages and disadvantages of using the different modes of transport ○ Analyse the advantages and disadvantages of using regional 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

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	<ul style="list-style-type: none"> • Design ways for information transfer and establish control points • Design cost effective way of transport, network or routing, multimodal transport, etc • Design cost effective ways of storage, transshipment and distribution <p>3. Review regional logistics solutions</p> <ul style="list-style-type: none"> • Critically review the effectiveness of logistics solutions after their implementation
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> • Capable of planning and designing cost effective solutions for regional logistics with reference to the operations policy and the needs of customers (logistics facilities); and • Capable of compiling reports to illustrate logistics solutions to the management and to stakeholders and regular review the implementation of logistics solution
Remark	This UoC splits from the Logistics UoC LOSAPD601A