

Specification of Competency Standards for the Logistics Industry

Unit of Competency

1. Title	Plan and design local logistics solutions
2. Code	LOCUPD501A
3. Range	This unit of competency is applicable to sea freight, air freight and express companies operating logistics solutions. Practitioners should be capable to design local logistics solutions for customers by utilizing the corporate resources and network.
4. Level	5
5. Credit	9 (for reference only)
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge of local logistics solutions</p> <ul style="list-style-type: none">◆ Understand the local operation strategies of the company◆ Understand the requirements on logistics, transportation, warehousing, customs and bonded operation imposed by different countries, 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◆ Understand the locations, connecting routes and methods of logistics service points, warehouses, and production sites/ sales points in the district◆ Understand the capability of comparable district competitors and their scope of service

	<ul style="list-style-type: none"> ◆ Understand the design principles of district network ◆ Understand the functions of local logistics/distribution centres ◆ Master the principles of integration in multimodal transport, cargo handling and warehousing ◆ Understand local logistics operation modes, such as the structure and costs for road, railway and river network <p>6.2 Plan and design local logistics solutions</p> <ul style="list-style-type: none"> ◆ Design local logistics network and routes <ul style="list-style-type: none"> • Analyze the data of cargo volume (in average, maximum, and seasonal terms) of customers and the routing (departure place, transshipment point and destination) • Analyze the nature, weight, volume and value of goods • Analyze the distribution and distance of customers • Analyze the advantages and disadvantages of using the different type of transport • Analyze the advantages and disadvantages of using central distribution centres • Analyze the feasibility of using cross-docking mode and the advantages and disadvantages • Analyze whether to use centralized warehouses or separate warehouses • Design appropriate routings and frequency ◆ Analyze the feasibility of providing different value-added services
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	<ul style="list-style-type: none"> ◆ Compile reports to illustrate the operation of logistics solutions and the main design concepts and principles ◆ Bring about synergy through coordination and integration of the resources in the company network and of 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 multimodal arrangement, etc. ◆ Design cost-effective ways of storage, transshipment and distribution ◆ Examine 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 work flow and procedures for handling and transferring goods, documents and information ◆ Prepare implementation plans for logistics solutions ◆ Review logistics solutions after implementation
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> (i) Design and formulate cost-effective and pragmatic local logistics solutions according to the operation policy of the company and the needs of customers; (ii) Capable to compile reports to illustrate logistics solutions to the management or the sales department; and
8. Remarks	