

Specification of Competency Standards for the Logistics Industry

Unit of Competency

1. Title	Plan and design regional logistics solutions
2. Code	LOCUPD601A
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 regional logistics solutions for customers by utilizing the corporate resources and network.
4. Level	6
5. Credit	15 (for reference only)
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge of regional logistics operation</p> <ul style="list-style-type: none">◆ Understand the regional operation strategies of the company◆ Understand the requirements on logistics, transportation, warehousing, customs and bonded operations imposed by different governments in the region◆ 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◆ 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

	<ul style="list-style-type: none"> ◆ 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 ◆ Master the principles of integration in multimodal transport, cargo handling and warehousing ◆ Understand inter-regional logistics modes, such as the network of air, sea, rail, river and highway transport and the costs incurred <p>6.2 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"> • 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 modes of transport • Analyze the advantages and disadvantages of using regional distribution centres
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	<ul style="list-style-type: none">• 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◆ 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 ways for information transfer and establish control points◆ Design the best and most cost-effective transport mode, delivery network/routings and multimodal arrangements, etc.◆ Design cost-effective ways of storage, transshipment and distribution◆ Examine the services and capability of regional contractors/partners in different logistic stages and use the services of appropriate contractors/partners when designing logistics solutions◆ Coordinate the cargo throughput in different regions to maximize utilization of resources according to the services and capability of regional contractors/partners
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	<ul style="list-style-type: none"> ◆ Plan the work flow and procedures for handling and transferring goods, documents and information ◆ Prepare implementation plans for logistics solutions ◆ Review logistics solutions
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 solutions for regional logistics 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 (iii) Capable to compile reports to illustrate the operation of logistics solutions to the management or operation departments.
8. Remarks	