

## Specification of Competency Standards for the Logistics Industry

### Unit of Competency

1. Title	Plan and design global logistics solutions
2. Code	LOCUPD701A
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 global logistics solutions for customers by utilizing the corporate resources and network
4. Level	7
5. Credit	15 ( for reference only )
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge of global logistics solutions</p> <ul style="list-style-type: none"> <li>◆ Understand the global operation strategies of the company</li> <li>◆ Understand the requirements on logistics, transportation, warehousing, customs and bonded operation imposed by different countries, etc.</li> <li>◆ Master the company’s connection with intercontinental and regional partners, agents and operators</li> <li>◆ Master the use of analytical tools, such as operational research, statistical method and cost-benefit analysis, and relevant computer software</li> <li>◆ Master the calculations of time, space and cost in relation to different regions</li> <li>◆ Understand the throughput and facilities of ports, terminals and airports in the world</li> <li>◆ Understand the distribution of major cities in the world</li> <li>◆ Understand the locations, connecting routes and methods of logistics service points, warehouses, and production sites/ sales points in the region</li> </ul>

	<ul style="list-style-type: none"> <li>◆ Understand the capability of comparable global competitors and their scope of services</li> <li>◆ Understand the design principles of global network</li> <li>◆ Understand the concepts of connection and “hub and spoke” between regions</li> <li>◆ Understand the functions of regional logistics/distribution centres and their division of work and integration</li> <li>◆ Master the principles of integration in multimodal transport, cargo handling and warehousing</li> <li>◆ Understand inter-regional logistics models, such as the network of air, sea, rail and highway transport and the costs incurred.</li> <li>◆ Understand the nature and characteristics of international freight transport</li> <li>◆ Understand the operation of free trade zones and bonded areas in the world</li> <li>◆ Understand the standardized operation in logistics industry, such as packaging, documentation, electronic data exchange, internationalized information systems, customs, anti-terrorist measures, etc.</li> </ul> <p>6.2 Plan and design global logistics solutions</p> <ul style="list-style-type: none"> <li>◆ Design global logistics network and routes <ul style="list-style-type: none"> <li>• Analyze the data of cargo volume ( in average, maximum, and seasonal terms) of customers and the routing (departure place, transshipment point and destination)</li> <li>• Analyze the nature, weight, volume and value of goods</li> </ul> </li> </ul>
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|  | <ul style="list-style-type: none"><li>• Analyze the distribution and distance of customers</li><li>• Analyze the advantages and disadvantages of using the different modes of transport</li><li>• Analyze the advantages and disadvantages of using regional distribution centres</li><li>• Analyze the feasibility of using cross-docking mode and the advantages and disadvantages</li><li>• Analyze whether to use centralized warehouses or separate warehouses</li><li>• Design appropriate routings and frequency</li><li>• Calculate the delivery cost and time among sites of the global network</li><li>◆ Analyze the feasibility of providing different value-added services</li><li>◆ Compile reports to illustrate the operation of logistics solutions and the main design concepts and principles</li><li>◆ Bring about synergy through coordination and integration of the resources in the company network and of cooperation from partners</li><li>◆ Design ways for information transfer and establish control points</li><li>◆ Design the best and most cost-effective transport mode, delivery network/routings and multimodal arrangements, etc.</li></ul> |
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	<ul style="list-style-type: none"> <li>◆ Design cost-effective ways of storage, transshipment and distribution</li> <li>◆ 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</li> <li>◆ Coordinate the cargo throughput in different regions to maximize utilization of resources according to the services and capability of regional contractors/partners</li> <li>◆ Plan the work flow and procedures for handling and transferring goods, documents and information</li> <li>◆ Prepare implementation plans for logistics solutions</li> <li>◆ Review logistics solutions in the aspect of resources utilization in the inter-continental network</li> </ul>
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> <li>(i) Design and formulate cost-effective and pragmatic solutions for global logistics according to the operation policy of the company and the needs of customers;</li> <li>(ii) Capable to compile reports to illustrate logistics solutions to the management or the sales department; and</li> <li>(iii) Capable to compile reports to illustrate the operation of logistics solutions to the management or operation departments.</li> </ul>
8. Remarks	