Unit of Competency

Functional Area: Warehousing and Logistics

Title	Design warehouse sizing
Code	105314L5
Range	This unit of competency is applicable to practitioners in the import and export industry to design warehouse sizing in warehouse operations.
Level	5
Credit	8 (for reference only)
Competency	Performance Requirement 1. Command warehouse space requirements • Examine warehouse operations • Examine warehouse sizing design 2.1. Compile the inventory profiles • Collect relevant information and data to design warehouse sizing • Compile the inventory profiles including item-family inventory distribution and handling unit inventory distribution 2.2. Identify space requirements • Assess the medium- and long-term storage requirements according to legislative requirements and company's business plan • Assess product type, picking frequencies, handling characteristics, holding periods, fragility, weight, value, and quantity to consider amount and type of storage • Assess facility to determine the stock handling and holding requirements • Calculate volume requirements to ensure that ongoing stock holding needs are met • Calculate and use the total space requirement to formulate space utilisation plan 3. Design warehouse capacity • Plan warehouse zones according to equipment operations and warehouse capacity requirements • Conduct facility assessment to enhance the space utilisation • Undertake warehouse zones positioning according to the data collected from the planning process • Cater for provision for maintenance and cleaning
Assessment Criteria	The integrated outcome requirements of this unit of competency are • Capable of compiling inventory profile • Capable of identifying space requirements and designing warehouse sizing
Remark	