

**Specification of Competency Standards**  
**for the Logistics Industry**  
**Unit of Competency**

Functional Area - Planning and Design of Logistics Solutions

Title	Plan warehouse material flows
Code	LOCUPD503B
Range	This unit of competency is applicable to logistics service providers. Practitioners should be capable of planning material flows in warehouse operations.
Level	5
Credit	6 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Knowledge of material flow</p> <ul style="list-style-type: none"> <li>• Know about material flow analysis and material requirement planning</li> <li>• Understand warehouse operations in logistics related industries</li> <li>• Understand company policy and procedures</li> </ul> <p>2. Prepare to plan material flow</p> <ul style="list-style-type: none"> <li>• Identify and consult stakeholders on flow of material</li> <li>• Identify and analyse workplace procedures and policy that may affect material flow</li> <li>• Identify source and obtain sources of information relevant to material flow</li> </ul> <p>3. Conduct material flow analysis</p> <ul style="list-style-type: none"> <li>• Select appropriate tools (e.g., MRP) to plan optimal inventory levels, purchases and distribution schedule based on such elements as customer's production schedule, stock on hand, lead times, sale order quantities and due dates, purchase order quantities and due dates, lot sizing policies, and safety stock requirements</li> <li>• Conduct and conclude material flow analysis with available resources</li> <li>• Determine the material flow plans in warehouse operations</li> <li>• Implement, monitor, and amend material flow activities</li> <li>• Allocate resources to material flow with reference to material flow plan</li> </ul> <p>4. Report on material flow</p> <ul style="list-style-type: none"> <li>• Report on material flow performance in warehouse operations</li> <li>• Document the material flow analysis and the material flow planning process</li> </ul> <p>5. Conduct review</p> <ul style="list-style-type: none"> <li>• Regularly review material flow performance to ensure systems and equipment capability is maintained throughout its life cycle</li> <li>• Provide recommendations for further improvements</li> </ul>
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> <li>• Capable of applying knowledge of material requirement planning; and</li> <li>• Capable of conducting material flow analysis</li> </ul>
Remark	