## TSC Category
Equipment, Shipment and Cargo Handling

## TSC
Shipment Load Planning and Palletisation/Consolidation

## TSC Description
Optimise pallet load configuration and consolidation for shipments

<table>
<thead>
<tr>
<th>TSC Proficiency Description</th>
<th>Level 1</th>
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<th>Level 6</th>
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<td>LOG-ESC-2003-1.1</td>
<td>LOG-ESC-3003-1.1</td>
<td>LOG-ESC-4003-1.1</td>
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<tr>
<td>Apply methods to optimise shipment load</td>
<td>Deploy methods or techniques to optimise shipment load</td>
<td>Develop strategies for consistent and optimised shipment loads</td>
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### Knowledge
- Freight dimensions such as Less Container Load and Full Container Load
- Concept of distribution centre activities and services
- Pallet dimensions such as two or four way entry, boards, wing type and perimeter base TR 53:2016 – Container Depot Operations
- Container systems and rates
- Methods of loading and unloading pallets or containers
- Cargo handling equipment such as forklifts and cranes
- Methods for space optimisation
- Pallet loading procedures
- Contingency or substitution pallet planning
- Methods of manpower and stowage planning
- Benefits of different freight size usage
- Customs requirements for points of destination
- Cost modelling
- Industry experience with pallet optimisation
- Manpower and stowage planning

### Abilities
- Enhance pallet load configuration and consolidation activities
- Support pallet optimisation initiatives
- Improve existing consolidation processes by utilising cost effective pallet sizes
- Analyse optimal loading of pallets and usage of appropriate loading equipment
- Implement pallet optimisation initiatives
- Deploy test efforts to identify effective load configurations
- Deploy methods and techniques to revise and resolve load differences
- Deploy required manpower and equipment requirements based on shipment load
- Develop packing optimisation strategies to increase utilisation at minimal cost
- Review pallet load and ensure compliance to customs requirements
- Develop cost models to simulate optimal load capacity
- Develop and share techniques including arrangements that take into account port’s loading facilities
- Review plans and schedules for manpower and...
|equipment requirements|