

Unit ID: 2396	
Domain	FREIGHT OPERATIONS
Title:	Recommend equipment and infrastructure to be used in the transportation of cargo
Level: 4	Credits: 5

Purpose

This unit standard is intended for those who recommend equipment and infrastructure to be used in the transportation of cargo. People credited with this unit standard are able to differentiate between transport modes and services in accordance with importer and exporter requirements, describe infrastructure and equipment used with in transport and logistics sector, identify transport and handling equipment used for the various phases of cargo movement, and select appropriate equipment for the handling, storage and transport of internationally traded cargo in transit.

This unit standard is intended for those who work in the freight operations industry.

Special Notes

1. Entry information:
Prerequisite:
 - *None*
2. Assessment evidence may be collected from a real or a simulated workplace or in which postal operations are carried out.
3. This unit standard is to be delivered and assessed in the context of Transport and Logistics operations and should be assessed in conjunction with other relevant technical unit standards selected from this domain.
4. To demonstrate competence, minimum evidence of the ability to differentiate between transport modes and services in accordance with importer and exporter requirements. Describe infrastructure and equipment used with in transport and logistics sector. Identify and select transport and equipment for the five phases of cargo movement and storage.
5. Glossary of terms:
 - '*Reefer cargo*' Shipment requiring controlled-temperature environment.
6. Phases of cargo movement may include:
 - Export haulage
 - Origin handling
 - International freight
 - Destination handling
 - Import haulage
7. Regulations and legislation relevant to this unit standard include the following:

- Occupational Health and Safety Regulations relating schedule 1(1) Act 11 of 2007, Regulation No. 156, 92)
- International Air Transport Association (IATA) Technical Instructions
- International Civil Aviation Organization (ICAO) Technical Instructions

Quality Assurance Requirements

This unit standard and others within this subfield may be awarded by institutions which meet the accreditation requirements set by the Namibia Qualifications Authority and the Namibia Training Authority and which comply with the national assessment and moderation requirements. Details of specific accreditation requirements and the national assessment arrangements are available from the Namibia Qualifications Authority and the Namibia Training Authority on www.nta.com.na.

Elements and Performance Criteria

Element 1: Differentiate between transport modes and services in accordance with importer and exporter requirements

Range

Criteria may include but is not limited to volume, weight, speed and price.

Performance Criteria

- 1.1 Criteria for selecting different modes of transport are described in terms of cargo, importer and exporter requirements.
- 1.2 Transport services are compared in the context of costs versus benefits.
- 1.3 The consequences of giving importers and/or exporters incorrect advice regarding transport mode and service selection are explained in the context of a freight forwarding organisation.

Element 2: Describe infrastructure and equipment used in a transport and logistics sector

Range

Facilities may include but are not limited to warehouses, off airport consolidation and deconsolidation facilities, airport airside and landside cargo facilities and airport warehouses.

Inland transport infrastructure may include but is not limited to national and international rail and road networks; ports and harbours; terminals and depots and transit warehouses.

Maritime transport infrastructure may include but not limited to navigation systems; off-shore loading and off-loading facilities; pilotage and tender services.

Performance Criteria

- 2.1 The facilities and equipment used to move air cargo from door to door are described.

- 2.2 Inland transport infrastructure is described in the context of the movement of cargo.
- 2.3 Maritime transport infrastructure is described in the context of the international movement of goods.

Element 3: Identify transport and handling equipment used for the various phases of cargo movement

Range

Specialised surfaced freighted cargo may include but not limited to dangerous goods; long lengths and heavy lifts; dry bulk cargo; liquid bulk cargo including oil and petroleum products; perishable and reefer cargo; bulk gasses.

Freight handling equipment may include but not limited to forklifts with or without special attachment; road vehicle trailers; roller beds and roller bed trucks; tankers; cranes; refrigeration equipment; warehouse racking, shelving and cargo identification equipment.

Performance Criteria

- 3.1 Different aircraft and airfreight containers are described for the international movement of airfreighted cargo.
- 3.2 Different ships and containers are described for the international movement of general surface freighted cargo.
- 3.3 Specialised vessels and equipment are described for the international movement of specialised surface freighted cargo.
- 3.4 Road and rail equipment used to transport different cargoes are described in terms of over border and intermodal freight movement.
- 3.5 Freight handling equipment used in surface and airfreight is described in the context of international movement of goods.

Element 4: Select equipment for the handling, storage and transportation of internationally traded cargo in transit

Range

Cargo may include but not limited to general cargo, dangerous goods; long lengths and heavy lifts; dry bulk cargo; liquid bulk cargo including oil and petroleum products; perishable and reefer cargo; bulk gasses.

Performance Criteria

- 4.1 Importer and exporter requirements are analysed in terms of cargo characteristics and movement criteria.
- 4.2 Recommendations are communicated with regard to equipment to be used for the door to door movement of imports and exports.

- 4.3 The consequences of giving incorrect advice regarding equipment are explained with examples.

Registration Data

Subfield:	Transport, Operations and Logistics
Date first registered:	07 October 2020
Date this version registered:	07 October 2020
Anticipated review:	2025
Body responsible for review:	Namibia Training Authority