Title	Carry out reefer monitor duties		
Level	3	Credits	15

Purpose	People credited with this unit standard are able to: demonstrate knowledge of requirements and processes for reefer monitor duties; plug in and check new arrival reefers; carry out reefer monitoring; carry out reefer disconnection; and update reefer information and activate user requests.

Classification	Stevedoring and Ports Industry > Cargo Operations

Available grade	Achieved

Prerequisites	Unit 25102, *Demonstrate knowledge of reefer cargo,* or demonstrate equivalent knowledge and skills.

Guidance Information

1   Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable service information, and company requirements and legislative requirements.

2   Legislation, regulations and/ or industry standards relevant to this unit standard include – but are not limited to the current version of the Health and Safety at Work Act 2015; *Overseas Market Access Requirements (OMARs)* available at http://www.foodsafety.govt.nz/industry/exporting/market-access/omars.htm; *Code of Practice for Health and Safety in Port Operations* available at https://worksafe.govt.nz/; and any subsequent amendments and replacements.

3   Definitions
     Company requirements refer to instructions to staff on policy and procedures that are available in the workplace. These requirements may include – company policies and procedures, work instructions, product quality specifications and legislative requirements.
     Hazards refers to situations and conditions presenting actual or potential risk including but not limited to – risk of harm to persons and/or environment, risk of damage to property and/or process, and exposure to financial loss.
     Overseas market access requirements (OMAR) are country-specific, and place performance standards on transporters of export dairy, meat, and fish products intended for human consumption.
     Service information may include – technical information for a vehicle, machine, or product detailing operation; installation and servicing procedures; manufacturer instructions; technical terms and descriptions; and detailed illustrations.

Shipping company requirements refers to any monitoring instructions or specifications from the shipping company.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of requirements and processes for reefer monitor duties.

Performance criteria

1.1 Hazards for reefer monitor duties and their controls are described.

Range may include – surface and trip hazards, ladders, mobile machinery, matter in eyes, electricity.

1.2 Celsius and Fahrenheit conversions relevant to reefer monitoring are carried out correctly.

1.3 Reefer conditions for different products are described.

Range reefer conditions may include – temperature, humidity, ventilation; evidence is required for at least five different products.

1.4 A situation in which temperature and ventilation settings are to be queried is identified, and query procedures are outlined.

1.5 Processes whereby export reefers are received and allocated for monitoring are described.

1.6 Consequences of incorrect reefer container temperature and ventilation settings are described.

Range consequences to – company, cargo.

1.7 Resetting power supply to reefer containers is described.

1.8 The sequence of monitoring reefer containers is described.

Range chilled containers, frozen containers.

Outcome 2

Plug in and check new arrival reefers.

Performance criteria

2.1 Container number and pad position are confirmed.

2.2 Reefer container is checked prior to connection to a power source.

Range   may include – safety checks and precautions, bolt seal on door/s, plug condition, power cord condition, general condition of the container.

2.3 Reefer container is connected to a power source and initial checks are carried out.

Range   may include – timeframe, connection, unit start up, unit on and functioning, temperature setting/s, digital display setting, current and set temperatures, vent/s, temperature set sticker/s (if required), recording.

2.4 Reefer container is set up as requested by customer.

Outcome 3

Carry out reefer monitoring.

Performance criteria

3.1 Container number and pad position are confirmed.

3.2 Power supply is checked, recorded and any necessary actions taken.

3.3 Reefer monitoring checks are made and temperature, humidity and ventilation settings are reset and reported if required.

3.4 Problems with reefer functioning or damage to reefers or fittings are recorded and reported immediately.

3.5 Temperature, humidity or ventilation settings are confirmed with the shipping company requirements and any discrepancies are recorded.

Outcome 4

Carry out reefer disconnection.

Performance criteria

4.1 Container number and pad position is confirmed.

4.2 Problems with reefer functioning or damage to a container or fittings are recorded and reported immediately.

4.3 Disconnection of reefer from power source is carried out and recorded.

Outcome 5

Update reefer information and activate user requests.

Performance criteria

5.1   Information from monitoring duties is updated and communicated to other team members.

Range   includes but is not limited to – temperatures, remarks, need for user requests.

5.2   Activation of user requests are actioned.

Planned review date	31 December 2022

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	31 July 2003	31 December 2020
Review	2	23 April 2007	31 December 2020
Rollover and Revision	3	17 September 2015	31 December 2020
Review	4	29 March 2018	N/A

Consent and Moderation Requirements (CMR) reference	0014

This CMR can be accessed at http://www.nzqa.govt.nz/framework/search/index.do.

Comments on this unit standard

Please contact MITO New Zealand Incorporated info@mito.org.nz if you wish to suggest changes to the content of this unit standard.