Title: Demonstrate knowledge of yields and conversion factors in factory trawler fish processing

Level: 4
Credits: 10

Purpose:
People credited with this unit standard are able to: explain how conversion factors are used in the New Zealand Quota Management System; explain how yield conversion factors are used in the management of factory trawler production; and measure the yield conversion factor of a factory trawler production system.

This unit standard is designed for people working in, or intending to work in, a seafood processing plant aboard a fishing vessel.

Classification:
Seafood > Seafood Vessel Operations

Available grade:
Achieved

Guidance Information:

1. Legislation which applies to this unit standard includes but is not limited to the Fisheries Acts 1983 and 1996, and their associated regulations.

2. Definitions
   - Conversion factors: are factors applied for the purpose of converting the weight of processed fish to greenweight (the weight of the fish before processing or removal of any part), for the purposes of Quota Management. Conversion factors used will normally be those from the Fisheries (Conversion Factors) Notice 2005.
   - Ministry conversion factor: is the conversion factor applied by the Ministry of Fisheries to a seafood processing process.
   - Yield conversion factor: is the conversion factor being produced by a seafood processing process.
   - State refers to the definition in the Fisheries (Reporting) Regulations 2001 and the Fisheries (Conversion Factors) Notice 2005.

Outcomes and performance criteria:

Outcome 1

Explain how conversion factors are used in the New Zealand Quota Management System.
Performance criteria

1.1 The explanation describes the quota management system in terms of the sustainable management of fisheries, the allocation of fishery resources, and the reporting of the use of fishery resources.

1.2 The explanation relates conversion factors to the processed and greenweight states of seafood.

1.3 The explanation relates conversion factors to the species of seafood in the Fisheries (Conversion Factors) Notice 2005.

1.4 The explanation illustrates the use of conversion factors by using calculations to produce greenweights from processed weights of seafood with the Fisheries (Conversion Factors) Notice 2005.

Outcome 2

Explain how yield conversion factors are used in the management of factory trawler production.

Performance criteria

2.1 The explanation highlights the difference between the yield conversion factor of a production line, and the Ministry conversion factor that applies to the production line.

2.2 The explanation relates the yield conversion factor to the performance of a complete production line, and to the performance of the components of that production line.

2.3 The explanation is consistent with the factory operating procedures.

Outcome 3

Measure the yield conversion factor of a factory trawler production system.

Range production line, unit operation.

Performance criteria

3.1 The mass of seafood product is measured before and after processing, in accordance with factory operating procedures.

3.2 The yield conversion factor is calculated in accordance with factory operating procedures.

3.3 The production line yield conversion factor is compared with the Ministry conversion factor in accordance with the species and state of the seafood product.
This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

### Status information and last date for assessment for superseded versions

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**Consent and Moderation Requirements (CMR) reference**

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