Modification history

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| Release | Comments |
| Release 1 | This version released with SFI Seafood Industry Training Package Version 1.0. |

| SFIAQU401 | Develop and implement a stock health program |
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| Application | This unit of competency describes the skills and knowledge required to review, develop and implement a program and work procedures for others involved in maintaining the health of stock. The unit applies to individuals who have planning responsibilities for an aquaculture stock health program and who supervise the work of others. No occupational licensing, legislative or certification requirements apply to this unit at the time of publication. |
| Prerequisite Unit | Nil  |
| Unit Sector | Aquaculture (AQU) |

| Elements | Performance Criteria |
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| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1. Gather information for a stock health program  | 1.1 Interpret and review stock health management plan and stock production and confirm objectives with senior personnel1.2 Identify locally prevalent health problems and note potential exotic pests, predators and diseases, especially those with significant economic impact 1.3 Investigate current industry husbandry practices which prevent and control health problems  |
| 2. Develop health program for cultured or held stock | 2.1 Select control measures which aim to prevent the introduction of pests, predators and diseases to the facility 2.2 Select control measures that protect filter feeding stock from contamination or other stock from pests, predators or disease, 2.3 Develop routines for health treatment of stock according to sound veterinary principles2.4 Develop a yearly calendar of health management operations according to overall stock production program and stock health management plans 2.5 Assess options for mechanisation or automation of process or activity, including the use of specialised contract services, and make recommendations to senior personnel |
| 3. Implement a stock health program | 3.1 Communicate stock health program to all involved and establish roles and responsibilities 3.2 Establish and communicate to staff, workplace procedures for the use of therapeutic chemicals and biological agents that ensure personal safety and environmental protection 3.3 Monitor stock health program for effectiveness and modify accordingly to meet program objectives3.4 Meet legal requirements and regulations relating to stock health management |

| Foundation SkillsThis section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria. |
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| Skill | Description |
| Reading | * Interpret and analyse stock production plan and stock health management plan
* Research and interpret a range of textual and numeric information relevant to stock health management to determine required actions
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| Writing  | * Prepare and logically structure components of the stock health plan
* Make edits and changes to update the stock health plan documentation
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| Numeracy | * Calculate medication and chemical quantities for specific treatment and prevention activities
* Confirm appropriateness of dose rates calculated by other staff
* Calculate resources required for stock health plan for a period of time
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| Oral communication | * Explain stock health plan and roles and responsibilities to staff using language appropriate for audience
* Participate in verbal exchanges to report and present information and provide feedback to a range of personnel
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| Navigate the world of work | * Follow workplace procedures and adhere to legislative and regulatory requirements relating to stock health management
* Meet expectations relating to own role and area of responsibility
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| Interact with others | * Collaborate with others contributing knowledge and skills to achieve stock health management outcomes
* Select and use appropriate communication practices when seeking or sharing information with others
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| Get the work done | * Plan, prioritise and implement tasks required to achieve stock health management outcomes
* Contribute to the design and assess options for improvements to the stock heath management program taking into consideration a range of relevant factors
* Diagnose and respond to problems relating to health of stock and environmental conditions
* Use familiar digital systems and tools to access, organise, analyse and display information relevant to role and stock health management
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| Unit Mapping Information |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| SFIAQU401 Develop and implement a stock health program | SFIAQUA401C Develop and implement a stock health program | Updated to meet Standards for Training PackagesMinor changes to elements for clarity | Equivalent unit |

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| Links | Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=e31d8c6b-1608-4d77-9f71-9ee749456273 |

| TITLE | Assessment requirements for SFIAQU401 Develop and implement a stock health program |
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| Performance Evidence |
| An individual demonstrating competency must satisfy all the elements, performance criteria and foundation skills of this unit. Evidence of the following is required:* interpreting and reviewing the stock production plan and stock health management plans
* researching, selecting and planning treatment or prevention options taking into account economic, regulatory, environmental and safety factors
* organising and implementing annual stock health program
* developing and using workplace plans and procedures covering all aspects of stock health
* communicating details of the stock health program to staff
* monitoring effectiveness of stock health program and activities
* following safety and regulatory requirements in context of health management.
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| Knowledge Evidence |
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| An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:* purpose of stock health programs
* characteristics of healthy cultured or held stock
* areas of vulnerability for cultured or held stock to pests, predators and diseases
* welfare requirements of cultured or held stock
* ecology and behaviour of:
* pests and predators
* disease agents
* species
* key requirements of legislation and regulations relating to:
* animal welfare
* use of chemicals and other disease treatments or control methods
* biosecurity and food safety related to stock health
* interaction between stock, the environment and disease agents in the development and treatment or control of disease
* costs of chemicals and other disease treatment or control methods
* workplace procedures used for disease control and prevention in cultured or held stock.
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| Assessment Conditions |
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| Assessment of this unit of competency must take place under the following conditions: * physical conditions:
* a workplace or simulated environment that accurately reflects performance in a real workplace setting
* resources, equipment and materials:
* stock health management plan and stock information for a functional aquaculture facility
* specifications:
* workplace procedures relating to stock health and/or developing programs
* relationships (internal and/or external):
* opportunities to communicate information about the stock health program to staff.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards. |

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