Modification history

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

| SFIAQU318 | Monitor feed activities |
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| Application | This unit of competency describes the skills and knowledge required to plan and monitor feed activities for cultured or held aquatic stock. It includes the ability to coordinate feed activities and use data analysis and observations to optimise the uptake of feed.  The unit applies to individuals who are responsible for feed activities within an aquaculture workplace, working under broad direction and having limited responsibility for the work of others.  All work must be carried out to comply with workplace procedures, according to state/territory health and safety, food safety, biosecurity and environmental regulations, legislation and standards that apply to the workplace.  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 |
| --- | --- |
| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1. Plan and organise feed for cultured or held stock | 1.1 Confirm feeding schedule and instructions with supervisor  1.2 Check feed types, quantities and sizes against feeding schedule  1.3 Check quality of feed and, if instructed, take samples and send to external laboratory for advanced quality analyses  1.4 Select feeding equipment and personal protective equipment and check for serviceability  1.5 Brief team members on feeding schedule and their responsibilities |
| 2. Monitor feeding | 2.1 Position, calibrate and operate feeding equipment according to manufacturer instructions and health and safety requirements  2.2 Document conditions affecting feeding activity and operations according to workplace procedures  2.3 Stop feeding operations once feeding requirements of stock are fulfilled  2.4 Monitor feeding operation according to feeding schedule requirements |
| 3. Optimise feed uptake | 3.1 Carry out sampling and advanced observations to identify factors that can be varied to improve feed uptake  3.2 Monitor effectiveness of feeding activities to improve feed uptake and reduce wastage  3.3 Alter feeding schedule to compensate for factors limiting feed uptake |
| 4. Finalise and review feeding operations | 4.1 Check cleaning of work area and disposal of waste materials is completed according to workplace procedures and environmental requirements  4.2 Check condition, maintenance requirements and storage of tools and equipment  4.3 Store feed in a manner that minimises degradation or contamination  4.4 Record relevant data and observations and report any abnormal records to supervisor  4.5 Provide feedback on work performance to team members |

| Foundation Skills  This 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 feeding schedules and relevant workplace procedures * Interpret feed packaging labels |
| Writing | * Complete workplace records legibly and using accurate technical terminology * Prepare sampling labels * Edit and alter feeding schedule |
| Numeracy | * Calculate formulae using ratios, metric units and percentages * Calculate, estimate, measure and weigh feeds * Set and adjust measurement scale to calibrate equipment |
| Oral communication | * Participate in verbal exchanges to convey and clarify feed activities using language appropriate for audience |
| Interact with others | * Use appropriate communication protocols when briefing and debriefing team members and reporting to supervisor |
| Get the work done | * Use key functions and features of workplace systems to record data and observations and use automated feeding equipment |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| SFIAQU318 Monitor feed activities | SFIAQUA318A Coordinate feed activities | Updated to meet Standards for Training Packages.  Revised unit title and minor amendments to element and performance criteria 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 SFIAQU318 Monitor feed activities |
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| Performance Evidence | |
| An individual demonstrating competency must satisfy all the elements and performance criteria of this unit. There must be evidence that the individual has monitored feed activities for aquatic stock on at least one occasion including:   * communicating with supervisor on feeding schedule and activities * planning and organising feed * communicating with team members on feed schedule implementation and performance * monitoring feeding operations against feeding schedule * altering feeding schedule to compensate for factors or conditions influencing feed uptake * monitoring cleaning of work area and equipment * checking and maintaining the quality of feed * recording data and observations * applying health and safety and environmental requirements for feeding operations. | |

| 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:   * feeding requirements of aquatic stock, stock types and age groups * characteristics of main feed types * advanced stock behaviour and dietary requirements in varying conditions * factors and conditions that inhibit or limit feed uptake * effects of food wastage on environment and economics of workplace * feed handling and preparation and storage requirements * feeding equipment operations, calibration, maintenance and repairs * specialised machinery components, functions and controls * safety considerations and hazards associated with feeding equipment and activities. |

| Assessment Conditions |
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| Assessment of this unit of competency must take place under the following conditions:   * physical conditions: * skills must be demonstrated in an aquaculture workplace or an environment that accurately represents workplace conditions * resources, equipment and materials: * feeding equipment * personal protective equipment * stock feed * stock to be fed * specifications: * feeding schedule * workplace procedures for feeding stock that includes advice on health and safety, hygiene and environmental requirements * relationships * interactions with supervisor and team members.   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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