Modification history

|  |  |
| --- | --- |
| Release | Comments |
| Release 1 | This version released with FBP Food, Beverage and Pharmaceuticals Training Package version 2.0. |

| FBPBPG2011 | Operate the palletising process |
| --- | --- |
| Application | This unit of competency describes the skills and knowledge required to set up, operate and shut down a range of semi-automated and automated bottling and packaging equipment involved in the palletising process in a bottling and packing environment.The unit applies to individuals who work under general supervision in bottling and packaging and are responsible for operating and monitoring a palletising process and associated equipment, with limited autonomy and accountability for their work.No occupational licensing, legislative or certification requirements are known to apply to this unit at the time of publication.NOTE: The terms 'occupational health and safety' (OHS) and 'work health and safety' (WHS) generally have the same meaning in the workplace. In jurisdictions where the national model WHS legislation has not been implemented, RTOs must contextualise the unit of competency by referring to current OHS legislative requirements.  |
| Prerequisite Unit | Nil |
| Unit Sector | Bottling and Packaging (BPG) |

| Elements | Performance Criteria |
| --- | --- |
| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1. Prepare to operate palletising equipment | 1.1 Confirm work instructions, including identifying potential WHS hazards and controls with supervisor1.2 Select and use appropriate personal protective equipment (PPE)1.3 Ensure that product and materials are available to meet palletising requirements1.4 Ensure that services are available and ready for operation1.5 Prepare palletising equipment and check to confirm readiness for use1.6 Set up equipment to meet palletising requirements |
| 2. Operate and monitor the palletising process | 2.1 Start up palletising equipment according to operating instructions2.2 Monitor control points to confirm performance is maintained within equipment operation and specification2.3 Ensure product is palletised according to requirements2.4 Monitor palletising equipment to confirm operating condition2.5 Identify, rectify and report out-of-specification end product, process and equipment performance according to workplace procedures2.6 Liaise with operators in other work areas to ensure ongoing packaging process runs efficiently and effectively |
| 3. Shut down the palletising supply process | 3.1 Shut down palletising equipment according to operating instructions3.2 Prepare palletising equipment for cleaning according to workplace procedures |
| 4. Conduct housekeeping activities | 4.1 Carry out cleaning procedures4.2 Collect, treat and dispose of or recycle waste generated by both the process and cleaning procedures 4.3 Record workplace information according to workplace procedures |

| 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. |
| --- |
| Skill | Description |
| Reading | * Interprets key messages in standard operating procedures
 |
| Navigate the world of work | * Follows clear instructions within defined level of responsibility
* Recognises organisational expectations and follows explicit protocols and procedures
* Seeks clarification when required
 |
| Get the work done | * Responds to routine problems using step by step instruction and procedures
 |

|  |
| --- |
| Unit Mapping Information |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| FBPBPG2011Operate the palletising process | FDFBP2011A Operate the palletising process | Updated to meet Standards for Training PackagesMinor changes to Performance Criteria for clarity | Equivalent unit |

|  |  |
| --- | --- |
| Links | Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=78b15323-cd38-483e-aad7-1159b570a5c4 |

| TITLE | Assessment requirements for FBPBPG2011 Operate the palletising process |
| --- | --- |
| Performance Evidence |
| An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit. There must be evidence that the individual has safely and effectively set up, operated and shut down the all items of equipment in the palletising process on a minimum of two occasions, including:* confirming equipment is ready for operation, including:
* cleaning and sanitation processes are completed
* vacuum is operational
* pallet pattern is set to specifications
* slip sheets for export are available
* plastic shrink wrapper is loaded and operational
* pallet identification equipment is operational
* sufficient and correct pallets are available
* carton turning equipment is operational
* pallet tacking hot glue is operational
* infeed guides and gates are operational
* monitoring and adjusting process equipment to achieve required quality outcomes, ensuring:
* compressed air pressure is at correct level
* vacuum pressure is correct
* cartons are going onto stripping plate according to set pattern
* the ongoing quality and appearance of shrink wrapping
* the ongoing quality and appearance of pallet identification
* the ongoing quality and appearance of pallets and slip sheets
* stacks are square on pallets
* the ongoing quality and appearance of stacked pallets
* taking corrective action in response to typical faults and inconsistencies
* liaising with other work areas involved the packaging process
* completing workplace records as required
* applying safe work practices and identify WHS hazards and controls.
 |

| Knowledge Evidence |
| --- |
| 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 and principles of palletising equipment
* key features of palletising equipment and components
* links to related processes
* stages and changes which occur during the process
* effect of process stages on end product
* quality characteristics and uses of end product
* effect of product and materials on process outcomes
* emergency and troubleshooting procedures
* process specification, procedures and operating parameters
* equipment and instrumentation components, purpose and operation
* basic operating principles of process control systems where relevant
* services required
* significance and methods of monitoring control points
* common causes of variation and corrective action required
* WHS hazards and controls
* routine maintenance requirements
* lock-out and tag-out procedures
* procedures and responsibility for reporting problems
* environmental issues and controls
* shutdown sequence
* shutdown and cleaning requirements associated with changeovers and types of shutdown
* collection, treatment and handling requirement for waste generated by process and cleaning operation
* recording requirements and procedures.
 |

| Assessment Conditions |
| --- |
| Assessment of skills must take place under the following conditions: * physical conditions:
* skills must be demonstrated in a workplace setting or an environment that accurately represents a real workplace
* resources, equipment and materials:
* palletising equipment
* palletising resources and consumables
* tools and equipment for adjusting and maintaining equipment
* personal protective equipment (PPE)
* specifications:
* work procedures and operating instructions or instructions.

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

|  |  |
| --- | --- |
| Links | Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=78b15323-cd38-483e-aad7-1159b570a5c4 |