Modification history

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

| FBPBPG2007 | Operate the tirage and transfer process |
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| 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 equipment involved in the tirage and transfer process.The unit applies to individuals who work under general supervision in bottling and packaging for the wine industry and who are responsible for operating and monitoring a tirage and transfer 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.All work must be carried out to comply with workplace procedures, in accordance with State/Territory work health and safety, and food safety regulations, legislation and standards that apply to the workplace. |
| Prerequisite Unit | Nil |
| Unit Sector | Bottling and Packaging (BPG) |

| 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. Prepare to operate tirage and transfer 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 and ready for use1.4 Prepare product and materials to meet the tirage and transfer requirements1.5 Ensure that services are available and ready for operation1.6 Prepare tirage and transfer equipment and check to confirm readiness for use1.7 Set up equipment to meet tirage and transfer requirements |
| 2. Operate and monitor the tirage and transfer process | 2.1 Start up tirage and transfer equipment according to operating instructions2.2 Monitor control points to confirm performance is maintained within equipment operation specification2.3 Ensure tirage and transfer output meets specification2.4 Monitor tirage and transfer equipment to confirm operating condition2.5 Identify, rectify and report out-of-specification end product, process and equipment performance according to workplace procedures |
| 3. Shut down the tirage and transfer process | 3.1 Shut down tirage and transfer equipment according to operating instructions3.2 Prepare tirage and transfer 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. |
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| Skill | Description |
| Reading | * Understand textual information in process documentation
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| Navigate the world of work | * Follow clear instructions within defined level of responsibility
* Recognise own work performance and seek assistance where required
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| Get the work done | * Respond to routine problems using step by step instruction and procedures
* Use the main features and functions of digital tools to identify and apply information in wine industry operations
* Recognise and act on opportunities for continuous improvement in accordance with workplace practices
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| Unit Mapping Information |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| FBPBPG2007 Operate the tirage and transfer process | FDFBP2007A Operate the tirage and transfer process | Updated to meet Standards for Training PackagesMinor changes to 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=78b15323-cd38-483e-aad7-1159b570a5c4> |

| TITLE | Assessment requirements for FBPBPG2007 Operate the tirage and transfer process |
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| 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 demonstrated the following at least once:* conduct pre-start checks on machinery
* start, operate, monitor and adjust process equipment to achieve required specified outcomes
* take corrective action in response to typical faults and inconsistencies
* complete workplace records as required
* safety shut down equipment.
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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 and principles of tirage and transfer equipment
* key features of tirage and transfer equipment and components
* set up, operation and shut down of semi-automated and automated equipment involved in the tirage and transfer process, including:
* equipment and instrumentation components, purpose and operation
* basic operating principles of process control systems where relevant
* significance and methods of monitoring control points
* common causes of variation and corrective action required
* work health and safety (WHS) hazards and controls
* routine maintenance requirements
* procedures and responsibility for reporting problems:
* environmental issues and controls
* routine shutdown sequence
* links to related processes, including liaising with other work areas as required:
* maintenance personnel
* materials supply
* cellar
* quality assurance personnel
* personnel binning and de-binning
* stages and changes which occur during the process and the effect of process stages on end product and the quality characteristics and specifications for tirage and packaging materials, including:
* product to be transferred (disgorged) meets specification
* product to be filled to tirage meets specification
* bottles and crown seals meet specifications
* bins to be used meet specification
* confirming equipment status and condition as required
* necessary services for process:
* power, compressed air, water, inert gas, steam and vacuum
* emergency and troubleshooting and shut down procedures
* process specification, procedures and operating parameters
* shutdown and cleaning requirements associated with changeovers and types of shutdown
* collection, treatment and handling requirement for waste generated by process and cleaning operation
* monitoring, rectifying and reporting the process and equipment operation to identify out-of-specification results or non-compliance, including:
* gas and compressed air pressures
* vacuum
* product or wine base temperature
* fill height and volume
* ongoing appearance and quality of wine filled to tirage
* effectiveness of crown seals in sealing wine in bottle
* disgorger bottle-piercing tips are not bent or incorrectly aligned
* ongoing disgorging is draining wine efficiently
* de-crowner is removing all crown seals
* bottles are rinsed efficiently and are suitable for filling
* vacuum and gas are being applied
* bins being filled to tirage are clearly marked as specified
* all identifying markings are removed from bins once wine is transferred
* smooth flow of automatic binning and de-binning
* preparing and/or dismantling equipment for cleaning and removing waste manually
* recording workplace information
* maintaining work area to meet housekeeping standards, including sorting, collecting, treating, recycling or disposing of waste
* identifying, rectifying and reporting environmental non-compliance according to enterprise procedures.
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| Assessment Conditions |
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| 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:
* wine operations tirage and transfer equipment
* tirage and transfer 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. |

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