



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **FDFOP2060A Operate an automated cutting process**

**Revision Number: 1**

## FDFOP2060A Operate an automated cutting process

### Modification History

Not applicable.

### Unit Descriptor

<b>Unit descriptor</b>	This unit of competency covers the skills and knowledge required to set up, operate, adjust and shut down an automated cutting process.
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### Application of the Unit

<b>Application of the unit</b>	<p>This unit has application in a food production environment. It typically targets the production worker responsible for applying basic operating principles to the operation and monitoring of cutting equipment and processes.</p> <p>When batch or product changeover procedures are part of this work process, the procedures should be used to customise the application of this unit. Where more detailed changeovers are carried out, FDFOP2011A Conduct routine maintenance should be considered.</p>
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### Licensing/Regulatory Information

Not applicable.

### Pre-Requisites

<b>Prerequisite units</b>	

## Employability Skills Information

<b>Employability skills</b>	This unit contains employability skills.
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## Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.
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## Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Prepare the automated cutting equipment and process for operation	1.1. Carcasses/pieces are confirmed and available 1.2. Cleaning and maintenance requirements and status are identified and confirmed 1.3. Machine components and related attachments are fitted and adjusted to meet safety, type/size and cutting requirements 1.4. Equipment performance is checked and adjusted as required 1.5. Pre-start checks are carried out as required by workplace requirements
2. Operate and monitor the automated cutting process	2.1. Carcasses/pieces are inspected to confirm that quality requirements are met 2.2. Carcasses/pieces are hung to meet production pace 2.3. Equipment is monitored to identify variation in operating conditions 2.4. Variation in equipment operation is identified and maintenance requirements are reported according to workplace reporting requirements 2.5. Quality and accuracy of cuts is monitored to confirm that specifications are met 2.6. Out-of-specification outcomes are identified, rectified and/or reported to maintain the process within specification 2.7. Work is conducted in accordance with workplace environmental guidelines 2.8. The work area is maintained according to housekeeping standards 2.9. Workplace records are maintained according to workplace recording requirements
3. Shut down the automated cutting process	3.1. The appropriate shutdown procedure is identified 3.2. The process is shut down according to workplace procedures 3.3. Maintenance requirements are identified and reported according to workplace reporting requirements

## Required Skills and Knowledge

### REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

#### Required skills

##### *Ability to:*

- access workplace information to identify cutting requirements
- select, fit and use personal protective clothing and/or equipment
- confirm supply of necessary carcasses/pieces and services, including inspecting and removing carcasses/pieces of unacceptable quality
- conduct pre-start checks, such as inspecting equipment condition to identify blade sharpness and other signs of wear, selecting appropriate settings and/or related parameters according to bird size/type, cancelling isolation or lock outs as required, confirming that equipment is clean and correctly configured for cutting process requirements, positioning sensors and controls correctly, ensuring any scheduled maintenance has been carried out, confirming that all safety guards are in place and operational and running, and trialing cut to confirm accuracy/positioning where required
- start, operate, monitor and adjust automated cutting process equipment to achieve required outcomes, including hanging carcasses/pieces to meet production pace, such as monitoring control points and conducting inspections as required to confirm cut accuracy within specification
- monitor supply and flow of carcasses/pieces to and from the automated cutting process
- take corrective action in response to out-of-specification results, including adjusting blades/knives within level of responsibility
- respond to and/or report equipment failure within level of responsibility
- demonstrate procedure to adjust equipment for bird/portion type/size
- locate emergency stop functions on equipment
- follow isolation and lock out/tag out procedures as required to take automated cutting process and related equipment off-line in preparation for cleaning and/or maintenance within level of responsibility
- complete workplace records as required
- maintain work area to meet housekeeping standards
- use process control systems according to enterprise procedures
- conduct routine maintenance such as blade replacement according to enterprise procedures
- clean and sanitise equipment according to enterprise procedures
- use oral communication skills/language competence to fulfil the job role as specified by the organisation, including questioning, active listening, asking for clarification and seeking advice from supervisor
- work cooperatively within a culturally diverse workforce

**REQUIRED SKILLS AND KNOWLEDGE****Required knowledge*****Knowledge of:***

- purpose and basic principles of the automated cutting process
- basic operating principles of equipment, such as main equipment components, status and purpose of guards, equipment operating capacities and applications, and the purpose and location of sensors and related feedback instrumentation
- the flow of the automated cutting process and the effect of outputs on downstream processes
- quality characteristics to be achieved by the automated cutting process, including quality specifications and ability to assess cut quality and determine any required adjustments
- operating requirements and parameters and corrective action required where operation is outside specified operating parameters
- typical equipment faults and related causes, including signs and symptoms of faulty equipment and early warning signs of potential problems
- methods used to monitor the automated cutting process, including inspecting the quality of cuts
- inspection or test points (control points) in the automated cutting process and the related procedures and recording requirements, such as recording information (e.g. temperatures and product codes)
- contamination/food safety risks associated with the automated cutting process and related control measures
- common causes of variation and corrective action required
- occupational health and safety (OHS) hazards and controls, including the limitations of protective clothing and equipment relevant to the work process
- requirements of different shutdowns as appropriate to the automated cutting process and workplace production requirements, including emergency and routine shutdowns and procedures to follow in the event of a power outage
- isolation, lock out and tag out procedures and responsibilities
- procedures and responsibility for reporting production and performance information
- environmental issues and controls relevant to the automated cutting process, including waste/rework collection and handling procedures related to the process
- basic operating principles of process control, where relevant, including the relationship between control panels and systems and the physical equipment
- routine maintenance procedures where relevant
- cleaning and sanitation procedures where relevant

## Evidence Guide

<b>EVIDENCE GUIDE</b>	
<p>The Evidence Guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.</p>	
<p><b>Overview of assessment</b></p>	<p>Assessment must be carried out in a manner that recognises the cultural and literacy requirements of the assessee and is appropriate to the work performed. Competence in this unit must be achieved in accordance with food safety standards and regulations.</p>
<p><b>Critical aspects for assessment and evidence required to demonstrate competency in this unit</b></p>	<p>Evidence of ability to:</p> <ul style="list-style-type: none"> <li>• conduct pre-start checks on machinery used for cutting</li> <li>• start, operate, monitor and adjust process equipment to achieve required quality outcomes</li> <li>• take corrective action in response to typical faults and inconsistencies</li> <li>• complete workplace records as required</li> <li>• apply safe work practices and identify OHS hazards and controls</li> <li>• safely shut down equipment</li> <li>• apply food safety procedures to work practices.</li> </ul>
<p><b>Context of and specific resources for assessment</b></p>	<p>Assessment must occur in a real or simulated workplace where the assessee has access to:</p> <ul style="list-style-type: none"> <li>• personal protective clothing and equipment</li> <li>• work procedures, including advice on safe work practices, food safety, quality and environmental requirements</li> <li>• information on equipment capacity and operating parameters</li> <li>• production schedule/batch instructions</li> <li>• specifications, control points and processing parameters</li> <li>• automated cutting process and related equipment and services</li> <li>• carcasses/pieces to be processed</li> <li>• documentation and recording requirements and procedures</li> <li>• cleaning procedures, materials and equipment as required.</li> </ul>

<b>EVIDENCE GUIDE</b>	
<b>Method of assessment</b>	<p>This unit should be assessed together with core units and other units of competency relevant to the function or work role. Examples could be:</p> <ul style="list-style-type: none"><li>• FDFOP2004A Clean and sanitise equipment</li><li>• FDFOP2011A Conduct routine maintenance</li><li>• FDFOP2030A Operate a process control interface.</li></ul>
<b>Guidance information for assessment</b>	<p>To ensure consistency in one's performance, competency should be demonstrated on more than one occasion over a period of time in order to cover a variety of circumstances, cases and responsibilities, and where possible, over a number of assessment activities.</p>



## Range Statement

<b>RANGE STATEMENT</b>	
<p>The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.</p>	
<b>Policies and procedures</b>	Work is carried out according to company policies and procedures, regulatory and licensing requirements, legislative requirements, and industrial awards and agreements
<b>Legislative requirements</b>	<p>Legislative requirements are typically reflected in procedures and specifications. Legislation relevant to this industry includes:</p> <ul style="list-style-type: none"> <li>the Food Standards Code, including labelling, weights and measures legislation</li> <li>legislation covering food safety, environmental management, OHS, anti-discrimination and equal opportunity</li> </ul>
<b>Workplace information</b>	<p>Workplace information may include:</p> <ul style="list-style-type: none"> <li>standard operating procedures (SOPs)</li> <li>specifications</li> <li>production schedules and instructions</li> <li>manufacturers' advice</li> <li>standard forms and reports</li> </ul>
<b>Production equipment</b>	<p>Production equipment may include:</p> <ul style="list-style-type: none"> <li>dedicated single and/or multiple cutting equipment</li> <li>shackles and conveyor systems</li> </ul>
<b>Operation of equipment and processes</b>	<p>Operation of equipment and processes may require:</p> <ul style="list-style-type: none"> <li>the use of process control panels and systems</li> </ul>
<b>Shutdown procedures</b>	<p>Shutdown procedures may include:</p> <ul style="list-style-type: none"> <li>cleaning (in some cases cleaning may be carried out by a dedicated cleaning crew)</li> </ul>
<b>Services</b>	Services may need to be confirmed. These depend on the nature of the process. Typical examples

<b>RANGE STATEMENT</b>	
	include: <ul style="list-style-type: none"> <li>• power</li> <li>• water</li> <li>• instrumentation air</li> </ul>

### Unit Sector(s)

<b>Unit sector</b>	Operational
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### Competency field

<b>Competency field</b>	
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### Co-requisite units

<b>Co-requisite units</b>		