

<b>Protect bovine welfare in electrical head-to-body stun/kill operations</b>	
<b>SQA reference number: H3T4 04</b>	<b>Unit start date: 12/12/2012</b>
<b>SSC reference number: R0175</b>	
<p><b>Unit summary</b></p> <p>This unit supports workforce development for those whose role includes responsibilities for the protection of bovine welfare in electrical head-to-body stun-kill operations.</p> <p>The unit is designed for use by operatives and others who carry out these workplace activities. The aim of the unit is to determine competent performance to recognised National Occupational Standards. This unit meets the requirements of EU regulation 1099/2009 for the protection of animals at time of killing.</p>	
<p><b>Assessment requirements /guidance</b></p> <p>This unit is designed to assess the skills and knowledge of learners in the workplace for roles including responsibilities for the protection of bovine welfare in electrical head-to-body stun-kill operations.</p> <p>The learner must be able to demonstrate their competent performance consistently over a period of time, to meet all of the assessment criteria. This will be achieved by at least two observations of competent performance in the workplace, and may be supported by witness testimony and other workplace evidence. Observations (of at least one species of bovine) must ensure that the learner's working practice is at commercial speed and in compliance with standard operating procedures. Assessment methods appropriate to the learner must be used to assess knowledge and understanding – either on or off the job.</p> <p>The Improve Assessment Strategy for Qualifications in Food and Drink, Scotland sets out the overarching assessment requirements.</p>	
<p><b>Relationship between the unit and relevant national occupational standards, and other qualifications</b></p> <p>This unit relates directly to Improve National Occupational Standards;</p> <p>MP.103S Carry out manual stunning of meat or poultry species</p> <p>MP.104K Understand how to carry out manual stunning of meat or poultry species</p> <p>It is also used in the QCF Awards and Certificates for Protecting Animal Welfare at Time of Killing: QCF Level 2, QCF Credit 2, Guided Learning Hours 11.</p>	

<b>Learning Outcomes</b> <b>The learner will:</b>	<b>Assessment Criteria</b> <b>The learner can:</b>
1. Prepare stun/kill operations in accordance with Food Business Operator's (FBO's) procedures	1.1 Check the availability and operation of restraint and stun/kill equipment  1.2 Check the availability and operation of back-up stun/kill equipment  1.3 Follow FBO's procedures.
2. Carry out stun/kill in accordance with FBO's procedures	2.1 Check the restraint arrangements for stun/kill operations  2.2 Operate stun-kill equipment in ways which minimise avoidable pain, suffering and distress  2.3 Check livestock to ensure that they are stunned/killed effectively  2.4 Take action to deal with livestock that are not stunned/killed effectively  2.5 Ensure that routine maintenance and cleaning of the stunning equipment is carried out  2.6 Follow FBO's procedures.
3. Understand how to protect livestock welfare in stun/kill operations in accordance with FBO's procedures	3.1 State own responsibilities under animal welfare regulations for the stun/kill of livestock  3.2 State the behavioural characteristics of livestock in stun/kill operations  3.3 Outline why it is important to minimise avoidable pain, suffering and distress  3.4 Outline the principles for effective stun-kill of livestock of differing ages and sex including <ul style="list-style-type: none"> <li>• the current required for stun/kill</li> <li>• positioning of stun/kill equipment</li> <li>• the tonic and clonic phases of electric stun</li> <li>• electrode placement and duration of application</li> <li>• ventricular fibrillation caused by electrocution</li> <li>• factors which can affect electrical resistance</li> </ul> 3.5 Outline how to recognise signs of <ul style="list-style-type: none"> <li>• effective stun/kill</li> <li>• ineffective stun/kill</li> </ul>

	<ul style="list-style-type: none"><li>• recovery</li><li>• consciousness</li></ul> <p>3.6 Describe how to carry out back-up stun/kill and the circumstances in which this would be necessary</p> <p>3.7 Outline the manufacturer's instructions for operating the head to body stunning/killing equipment</p> <p>3.8 Outline the FBO's procedures for carrying out stun/kill.</p>
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