

Protect bovine welfare in captive bolt stunning operations	
SQA reference number: H3T3 04	Unit start date: 12/12/2012
SSC reference number: R0174	
<p>Unit summary This unit supports workforce development for those whose role includes responsibilities for the protection of bovine welfare in captive bolt stunning 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>Assessment requirements /guidance 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 captive bolt stunning operations. 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>Relationship between the unit and relevant national occupational standards, and other qualifications This unit relates directly to Improve National Occupational Standards; MP.103S Carry out manual stunning of meat or poultry species 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 the Welfare of Animals at the Time of Killing: QCF Level 2, QCF Credit 2, Guided Learning Hours 9.</p>	

Learning Outcomes The learner will:	Assessment Criteria The learner can:
1. Prepare stunning operations in accordance with Food Business Operator's (FBO's) procedures	1.1 Check the condition of restraint equipment if required 1.2 Check the availability and condition of stunning equipment is fit for purpose for the size of the livestock 1.3 Check the availability and operation of back-up stunning equipment 1.4 Follow FBO's procedures
2. Carry out stunning in accordance with FBO's procedures	2.1 Select and use stunning equipment in ways which minimise avoidable pain, suffering and distress 2.2 Check that livestock are stunned effectively 2.3 Take action to deal with livestock that are not stunned effectively 2.4 Ensure that routine maintenance and cleaning of the stunning equipment is carried out 2.5 Follow FBO's procedures
3. Understand how to protect livestock welfare in stunning operations in accordance with FBO's procedures	3.1 State own responsibilities under animal welfare regulations for the stunning of livestock 3.2 State the behavioural characteristics of livestock in stunning operations 3.3 Outline why it is important to minimise avoidable pain, suffering and distress 3.4 Outline how to recognise signs of <ul style="list-style-type: none"> • effective stunning • ineffective stunning • recovery • consciousness 3.5 Describe how to carry out a back up stunning/ killing method and the circumstances in which this would be necessary.

<p>4. Understand methods and procedures for protecting livestock welfare in stunning operations</p>	<p>4.1 State when confining methods and restraints should be used</p> <p>4.2 Outline the methods for effective stunning of livestock including</p> <ul style="list-style-type: none">• penetrative captive bolt stunning• non-penetrative captive bolt stunning <p>4.3 Outline the positioning requirements of stunning equipment to achieve an effective stun dependent on</p> <ul style="list-style-type: none">• age of livestock• sex of livestock• presence of horns• polled livestock <p>4.4 State the action to be taken if stunning equipment is not operating effectively</p> <p>4.5 Outline the manufacturer's instructions for operating stunning equipment</p> <p>4.6 Outline the FBO's procedures for carrying out captive bolt stunning.</p>
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