



Australian Government

Assessment Requirements for AMPA3004 Monitor the effective operations of electrical stimulation

Release: 1

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Modification History

Release	TP Version	Comment
1	AMPv2.0	Initial release

Performance Evidence

The candidate must monitor an automated or manual electrical carcass stimulation unit to ensure that the carcasses are receiving the optimal stimulation.

The candidate must:

- observe and recognise normal and abnormal carcass responses to electrical stimulation
- instruct workers in and around electrical stimulation units to recognise and report abnormal carcass responses
- work safely around electrical stimulation units
- monitor the electrical stimulation unit using the correct procedure including readouts
- use dummy load across each of the electrical inputs to check operation
- request and schedule maintenance
- review maintenance and performance audit reports and ensure follow up action has been taken
- apply communication skills relevant to work instructions and Standard Operating Procedures (SOPs)

Knowledge Evidence

The candidate must demonstrate a factual, technical, procedural and theoretical knowledge of:

- purpose of electrical stimulation
- pH/temperature window and its importance to meat quality
- causes of heat toughening and cold shortening and the impacts on meat quality
- correct procedures to check electrical stimulation equipment operation
- purpose of dummy loads to check operation
- relevant work instructions and manufacturers' specifications
- normal and abnormal reactions of carcasses to electrical stimulation
- required routine checks for electrical parameters, stored programs, electrical safety, electrodes and equipment integration
- use of an oscilloscope to ensure that the waveform parameters are as specified
- maintenance and equipment reports

- audit process for electrical stimulation unit performance and the various potential findings
- how to respond to adverse audit findings of electrical stimulation unit performance
- workplace health and safety issues associated in working around electrical stimulation units

Assessment Conditions

Competency must be demonstrated over time and under typical operating and production conditions for the enterprise.

Assessment must occur in the workplace under normal enterprise **or** production conditions.

As a minimum, the following three forms of assessment must be used:

- quiz of underpinning knowledge
- workplace demonstration
- workplace referee or third-party report of performance over time

Assessors must satisfy the current standards for RTOs.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=5e2e56b7-698f-4822-84bb-25adbb8443a7>