



**Australian Government**

**Assessment Requirements for AMPA3004  
Monitor the effective operations of  
electrical stimulation**

**Release: 1**

# Assessment Requirements for AMPA3004 Monitor the effective operations of electrical stimulation

## 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>