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## Overview

This standard covers the preparation, monitoring and maintenance of mechanically controlled systems used in livestock production.

This standard covers the areas of livestock production where mechanically controlled systems are used, for example, robotic milking machines, automated feeders and watering systems, automated slurry scraper and aerators, weigh scales, shedding gates, and environmental enhancement such as fans, sprinklers and brushes. Such equipment may be operated on timers, movement or electronic identification.

When working with livestock or machinery you should be trained and hold current certification, where required.

When carrying out your work you must consider the impact it will have on the environment.

This standard is suitable for those responsible for preparing, monitoring and maintaining mechanically controlled systems used in livestock production.

## Performance criteria

*You must be able to:*

1. assess the risks associated with the activity to be carried out, including a safe electricity supply without any stray current
2. wear suitable clothing and personal protective equipment (PPE)
3. check and confirm that the **mechanically controlled system used in livestock production** is working correctly, prior to use, and any alarms, alerts or fail-safe devices are functioning
4. check and confirm that the mechanically controlled system is prepared and **set** correctly
5. monitor the operation of the mechanically controlled system to ensure that livestock health and welfare is maintained
6. make adjustments to the mechanically controlled system where deviations from optimum working conditions occur
7. take the required action to respond to problems with the mechanically controlled system
8. clean and maintain the mechanically controlled system, where required, in accordance with the manufacturer's instructions
9. maintain communication with colleagues and others involved in, or affected by, your work
10. maintain hygiene and bio-security, in accordance with business practices
11. process waste safely and correctly, in accordance with relevant legal requirements and business practices
12. carry out your work in accordance with relevant environmental, health and safety legislation, animal health and welfare legislation, risk assessment requirements, codes of practice and business policies
13. complete records as required by relevant legislation and the business

## Knowledge and understanding

*You need to know and understand:*

1. how to identify hazards and assess risks including the risk of electrocution or stray current
2. the type of clothing and personal protective equipment (PPE) suitable for the activity
3. the different types of **mechanically controlled systems used in livestock production**, how they work and how to prepare them
4. the alarms, alerts and fail-safe devices used with mechanically controlled systems
5. the requirements different livestock have at different production stages
6. how mechanically controlled systems benefit livestock production
7. the optimum working conditions of the mechanically controlled system being used
8. the importance of monitoring mechanically controlled systems to ensure animal health and welfare is maintained and when human intervention is required
9. the types of problems that may occur with mechanically controlled systems and the limits of your responsibility in relation to resolving identified problems
10. the sources of advice and support when using mechanically controlled systems
11. the limits of your responsibility in relation to the maintenance of equipment within the mechanically controlled system
12. the importance of maintaining communication with those involved in, or affected by, your work and how this should be done
13. the importance of maintaining hygiene and bio-security and the methods for achieving this
14. how to handle, transport, store and dispose of waste, in accordance with relevant legal requirements and business practices
15. your responsibilities for the welfare of livestock under relevant animal health and welfare legislation, codes of practice and business policies
16. your responsibilities under relevant environmental and health and safety legislation, codes of practice and business policies
17. the records that need to be kept and the importance of completing them

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## Glossary

### **Mechanically controlled systems used in livestock production e.g.**

- robotic milking machines
- automated feeders and watering systems
- automated slurry scraper and aerators
- weigh scales
- shedding gates
- environmental enhancement such as fans, sprinklers and brushes

**Set:** e.g. timings, quantities, speed, temperature

LANLP11

Prepare, monitor and maintain mechanically controlled systems used in livestock production



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**Originating Organisation** Lantra

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**Relevant Occupations** Unit Manager; General Farm Worker; Poultry Farm Worker; Pig Farm Worker; Farmer

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**Suite** Livestock Production

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