

# LANLP11 SQA Unit Code H5AA 04

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

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### Overview

This standard covers the preparation, monitoring and maintenance of mechanically controlled systems used in livestock production. The standard is relevant to industries where mechanically controlled systems are used in livestock production.

This standard covers parts of the industry where mechanically controlled systems are used- e.g. automated feeders, scrapers, robotic milkers. Such equipment may be operated on timers, movement or electronic identification.

When working with livestock or machinery you need to be appropriately trained in line with current legislation, and hold a relevant award where appropriate.

You must carry out your work in a way which will consider any impact on the natural environment and enhance its nature and conservation.

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

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### Performance criteria

- You must be able to:*
- P1 ensure equipment and machinery is fit for use and properly set up and ready for use
  - P2 ensure the mechanically controlled systems are prepared, working and are set correctly e.g. timings, quantities, speed, temperature, and are suitable for the livestock
  - P3 monitor the mechanically controlled systems to promote livestock health and welfare
  - P4 where necessary make the correct adjustments to the mechanically controlled systems if deviations from optimum working conditions occur
  - P5 take appropriate action where the mechanically controlled systems could cause abnormal conditions for the livestock , or causes concern
  - P6 ensure any external factors which might have an impact on the maintenance of the mechanically controlled systems are dealt with appropriately
  - P7 maintain effective communication with colleagues and others involved
  - P8 clean and maintain, where appropriate mechanically controlled systems in accordance with specification
  - P9 carry out all work in accordance with relevant environmental, health and safety legislation and animal health and welfare legislation, risk assessment requirements, codes of practice and company policies
  - P10 ensure appropriate records are maintained as required by relevant legislation and the organisation

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### Knowledge and understanding

*You need to know and understand:*

- K1 different types of mechanically controlled systems and how they work
- K2 types of tools, equipment and machinery required and how to prepare, maintain and use these safely and effectively
- K3 the requirements different livestock have at different production stages
- K4 the importance of monitoring mechanically controlled systems to ensure animal health and welfare is maintained
- K5 the optimum working conditions of the chosen mechanically controlled system
- K6 the types of problems that may occur and how these should be dealt with
- K7 types of equipment malfunction and how these should be dealt with
- K8 how mechanically controlled systems benefit livestock production
- K9 appropriate records to be kept and their significance
- K10 alarms and fail safe procedures
- K11 limits of your responsibility in relation to the maintenance of equipment within the mechanically controlled system
- K12 the importance of maintaining effective communication with those involved in, or affected by the work
- K13 your responsibilities under current environmental and health and safety legislation, animal health and welfare legislation, codes of practice and company policies

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#### Glossary

Mechanically Controlled Systems used within Livestock Production Systems could be - 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

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**Originating organisation** Lantra

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**Suite** Livestock Production

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