

# SKSTEX22 - SQA Unit Code H9EN 04

## Configure and prove production machinery



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### Overview

This standard is for those who plan and set up machine configurations to meet production requirements.

The job role may involve:

1. Planning and setting up machine configurations
2. Preparing machine for production
3. Ensuring the manufactured output matches specification requirements
4. Providing all relevant information prior to the start of production

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### Performance criteria

- You must be able to:*
- P1 work instructions and specifications
  - P2 set up machinery to meet production requirements in accordance with approved procedures
  - P3 assess downtime and set-up time so that it fits into the production schedule
  - P4 plan the effective use of resources
  - P5 prioritise workloads
  - P6 plan machinery configuration
  - P7 obtain all relevant data and resources to prove machinery
  - P8 clean and maintain plant during set up
  - P9 ensure initial machine settings conform to the production specification
  - P10 carry out checks to ensure the machine configuration is safe
  - P11 conduct trials
  - P12 inspect sample products them against specification to ensure conformity
  - P13 ensure new settings achieve the required production rate
  - P14 check the processed product against specification to ensure conformity
  - P15 make adjustments to configurations as required
  - P16 determine final production settings
  - P17 check that the machine runs under normal production conditions to meet specification requirements
  - P18 provide relevant information and instructions to permit production
  - P19 ensure that authority to proceed with production is given
  - P20 complete and store accurate records and documentation

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### Knowledge and understanding

*You need to know and understand:*

- K1 how to receive work instructions and specifications and interpret them accurately
- K2 how to make use of the information detailed in specifications and instructions
- K3 manufacturing processes and production cycle
- K4 machine capabilities and their operating characteristics
- K5 commonly occurring faults and their diagnosis
- K6 limits of and criticalities of machine settings
- K7 sources of supplies of parts and materials
- K8 factors influencing the handling characteristics of materials during production
- K9 sources of technical data on materials, equipment, machinery and processes
- K10 the compatibility of machine and materials
- K11 the format and content of production specification
- K12 sources of machine specifications
- K13 product construction, composition and manufacture
- K14 the importance of achieving quality and its relation to the end user / customer
- K15 safe working practices and organisational procedures
- K16 limits of your own responsibility
- K17 ways of resolving with problems within the work area, and within limits of personal responsibility
- K18 the production process and how your specific work activities relate to the whole process
- K19 the importance of effective communication with colleagues
- K20 the lines of communication, authority and reporting procedures
- K21 the organisation's rules, codes and guidelines (including timekeeping)
- K22 the companies quality standards
- K23 the types of records kept, how are they completed and the importance of keeping them accurate
- K24 the importance of complying with written instructions
- K25 equipment operating procedures / manufacturers' instructions
- K26 statutory responsibilities under Health, Safety and Environmental legislation and regulations

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