

# COSVR479

## Resolve woodmachining problems – SQA Unit

Code HN4A 04



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### Overview

This standard is about

- 1 interpreting information
- 2 adopting safe and healthy working practices
- 3 identifying and diagnosing problems and implementing solutions relating to materials, tooling, machinery, process and personnel

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## Resolve woodmachining problems

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### Performance criteria

- You must be able to:*
- P1 obtain and clarify all necessary information relating to the work
  - P2 identify emerging and actual problems and investigate the cause
  - P3 confirm that all necessary information is complete and processed in accordance with organisational procedures
  - P4 identify and implement solutions to problems which restore operating conditions safely and effectively in a timely manner
  - P5 take corrective actions to avoid the recurrence of problems

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### Knowledge and understanding

*You need to know and understand:*

#### Performance Criteria 1

##### Obtain and clarify the information

- K1 the **organisational procedures** developed to obtain and clarify **information** relevant to the work
- K2 the types of **information**, their source and how they are interpreted
- K3 the organisational procedures to solve **problems** with the **information** and why it is important they are followed
- K4 the level of understanding operatives must have of **information** for relevant, current **legislation and official guidance** and how it is applied

#### Performance Criteria 2

##### Identifying and diagnosing problems

*You need to know and understand:*

- K5 how to identify and diagnose **problems** associated with own work and work of personnel within your authority

#### Performance Criteria 3

##### Completing and processing information

*You need to know and understand:*

- K6 the **organisational procedures** developed to verify that all **information** has been completed and processed correctly
- K7 the **hazards** associated with the **methods of work** and how they are overcome

#### Performance Criteria 4

##### Solutions to problems

*You need to know and understand:*

- K8 how to implement solutions to **problems** minimising loss and damage and meeting product specifications and throughput
- K9 how to restore **operating conditions** safely and effectively

#### Performance Criteria 5

##### Corrective actions

*You need to know and understand:*

- K10 how to take further corrective actions to avoid recurrence of the **problems**
- K11 how **methods of work**, to meet the requirements are carried out and any **problems** rectified

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### Additional Information

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#### Scope/range related to performance criteria

##### Performance Criteria 1

- 1 obtain and clarify regulations, spoken, visual and written instructions, technical information, organisational policies and procedures

##### Performance Criteria 2

- 2 identify and diagnose problems relating to materials, tooling, machinery, processes, personnel and quality within your area of responsibility

##### Performance Criteria 3

- 3 confirm that documentation has been completed and processed correctly related to regulations, spoken, visual and written instructions, technical information and organisational policies and procedures relevant to the work

##### Performance Criteria 4

- 4 identify and implement solutions to problems related to materials, tooling, equipment, hygiene, safety, processes, personnel and quality standards (as appropriate to the work)
- 5 identify and implement solutions to problems relating to at least three of the following
  - 5.1 sawing machinery
  - 5.2 planing machinery
  - 5.3 profiling machinery
  - 5.4 jointing machinery
  - 5.5 sanding machinery
  - 5.6 boring machinery
  - 5.7 CNC/NC machinery

##### Performance Criteria 5

- 6 report to the relevant persons, rectify problems and advise personnel within your authority

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### Scope/range related to knowledge and understanding

#### Hazards

- 1 those identified by method of work, manufacturers' technical information, statutory regulations and official guidance

#### Information

- 2 spoken and written instructions, technical and visual information, organisational procedures and regulations

#### Legislation and official guidance

- 3 this relates to the operative's responsibilities regarding potential accidents and health hazards regarding current legislation whilst working in the workplace, with materials, tooling and equipment, with processes and personnel, with movement of materials and by manual and mechanical lifting

#### Methods of work

- 4 application of knowledge for safe work practices, procedures and skills, relating to the method/area of work to
  - 4.1 identify the machine principal parts and their functions
  - 4.2 identify the safe working limits of the machine
  - 4.3 identify machining defects and potential solutions
  - 4.4 establish the requirements of operator maintenance programmes
  - 4.5 verify and monitor compatibility of materials, equipment and machinery with particular regard to types of timber, machine setting and tooling
  - 4.6 establish material feed requirements for relevant machines with regard to material properties likely to be encountered
  - 4.7 identify the types and characteristics of relevant tooling
  - 4.8 identify the range of available solutions and establish the suitability of options

#### Operating conditions

- 5 equipment, product specification, hygiene standards, safety standards, quality standards and throughput

#### Organisational procedures

- 6 this relates to the understanding of procedures put in place by the organisation for obtaining information, completing documentation, diagnosing problems and implementing solutions

#### Problems

- 7 those arising from information, methods of work, materials, tooling, machinery, processes and personnel
  - 7.1 own authority to rectify
  - 7.2 organisational reporting procedures

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## Resolve woodmachining problems

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**Developed by** ConstructionSkills

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**Relevant occupations** Paper and Wood Machine Operatives

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**Suite** Woodmachining (Construction/Sawmilling Extrusion and Furniture)

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