

## Resolve explosives operational problems

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### Overview

This standard comprises the following elements:

- 1 Identify explosives manufacturing problems.
- 2 Implement and evaluate the chosen solution.

This activity is likely to be undertaken by someone whose work role involves Weapons, Ordnance, Munitions or Explosives work activities. This includes those working as manufacturing managers.

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### Performance criteria

*You must be able to:* 1 Identify explosives manufacturing problems

- P1 work safely at all times, complying with health and safety, environmental and other relevant regulations, legislation and guidelines
- P2 confirm that the appropriate operating instructions are being used correctly
- P3 confirm that the equipment being used is in a safe and functional condition
- P4 confirm the integrity of the materials being used
- P5 ensure that the specified operating parameters have been maintained
- P6 identify the possible stage(s) in the process where the problem has occurred
- P7 identify the likely cause(s) of the problem
- P8 evaluate the likely impact of the problem
- P9 identify the most appropriate solution to the problem
- P10 report immediately any significant problems or abnormal events that require the attention of senior managers or specialists
- P11 complete correctly the required documentation

2 Implement and evaluate the chosen solution

- P12 work safely at all times, complying with health and safety, environmental and other relevant regulations, legislation and guidelines
- P13 ensure that you have the necessary authority to implement the solution
- P14 implement the chosen solution with a minimum amount of disruption
- P15 evaluate the implementation of the solution and make recommendations for further improvements
- P16 deal promptly with any problems that arise
- P17 report on the implementation of your solution to the appropriate people
- P18 complete correctly the required documentation

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### Knowledge and understanding

*You need to know and understand:* 1 Identify explosives manufacturing problems

- K1 the health, safety and environmental and other statutory legislation, regulations and safe working practices and procedures governing explosives and their implications for your area of work
- K2 the relevance of personal protective equipment (PPE)
- K3 the actions to be taken in response to an unplanned event
- K4 work area hazards
- K5 the required condition of the materials being used
- K6 the characteristics and nature of the materials being processed
- K7 the importance of the operating parameters
- K8 the functions and uses of the different types of equipment used and how to confirm the status of the equipment
- K9 the interaction between the materials and the equipment being used
- K10 problem solving techniques
- K11 the importance of an appropriate response to the situation
- K12 the action to be taken to minimize loss and damage
- K13 the importance of communication
- K14 the documentation requirements

2 Implement and evaluate the chosen solution

- K15 the health, safety and environmental and other statutory legislation, regulations and safe working practices and procedures governing explosives and their implications for your area of work
- K16 the relevance of personal protective equipment ( PPE)
- K17 the characteristics and nature of the materials being processed
- K18 work area hazards
- K19 the actions to be taken in response to an unplanned event
- K20 the importance of the operating parameters
- K21 the functions and uses of the different types of equipment used and how to confirm the status of the equipment
- K22 the interaction between the materials and the equipment being used
- K23 the authorization process
- K24 how to implement the chosen solution
- K25 how to minimize disruption, loss and damage
- K26 problem solving techniques
- K27 the different courses of action open to you to deal with problems
- K28 the importance of communication
- K29 the

documentation requirements

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**Scope/range**

- 1 Explosive environments: low negative consequence; high negative consequence
- 2 Problems relating to: safety; cost; quality; yield
- 3 Solutions relating to: safety; cost; quality; yield

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