

## Carry out tests of explosive substances and/or articles

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### Overview

This standard covers the competences you need to carry out tests of explosive substances and/or articles in accordance with approved procedures and practices.

You will be required to demonstrate that you can confirm that the correct explosive substances and/or articles have been selected for testing. Taking suitable precautions to prevent damage to the test and monitoring equipment in accordance with approved procedures and practices.

This activity is likely to be undertaken by someone whose work role involves Weapons, Ordnance, Munitions or Explosives work activities. This includes people working as test and evaluation supervisors.

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**Performance criteria**

- You must be able to:*
- P1 work safely at all times, complying with health and safety, environmental and other relevant regulations, legislation and guidelines
  - P2 ensure that you and those under your control carry out the test procedure and the plan correctly
  - P3 ensure that all preparatory work has been carried out
  - P4 ensure that all safety precautions are in place
  - P5 confirm that the correct explosive substances and/or articles have been selected for testing
  - P6 ensure that all explosive substances and/or articles are protected from all forms of contamination and/or damage
  - P7 take suitable precautions to prevent damage to the test and monitoring equipment
  - P8 respond to developing events and priorities in accordance with procedures
  - P9 segregate and dispose of the process residues and products in accordance with approved procedures
  - P10 adhere to the relevant quality standards
  - P11 maintain documentation in accordance with organizational procedures
  - P12 maintain the requirements of confidentiality at all times

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### Knowledge and understanding

- You need to know and understand:*
- 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 nature, characteristics, hazards and risks of the explosive substance and/or article
  - K4 the actions to be taken in response to an unplanned event
  - K5 the characteristics and nature of other hazardous materials with which you are working
  - K6 the customer's objectives and needs
  - K7 the test procedure and plan
  - K8 the design, characteristics and potential hazards of the test
  - K9 safety constraints
  - K10 types of equipment relevant to the task and their application, capabilities and limitations
  - K11 procedures for calibration and authorization of equipment
  - K12 special designated responsibilities
  - K13 environmental controls
  - K14 how to consign residues and other products for disposal
  - K15 test reporting documentation
  - K16 the competences of the personnel involved
  - K17 reporting lines and procedures
  - K18 how to communicate clear instructions
  - K19 your own level of authority
  - K20 the roles and responsibilities of team members
  - K21 the relevant quality standards and compliance regime
  - K22 the requirements of confidentiality

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**Scope/range**

1. Resources: fully equipped; with limited resources
2. Complexity of the test: new tests; existing tests
3. Level and extent of responsibility: completing tests yourself; supervising other competent personnel

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