

Carry out trials of explosive substances and/or articles

Overview

This standard covers the competences you need to carry out trials 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, ensuring that you and those under your control carry out the trial procedure and the plan correctly 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 managers.

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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 all preparatory work has been carried out
 - P3 ensure that all safety precautions are in place
 - P4 take suitable precautions to prevent damage to test and monitoring equipment
 - 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 ensure that you and those under your control carry out the trial procedure and the plan correctly
 - 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 the requirements of confidentiality at all times
 - P12 maintain documentation in accordance with organizational procedures

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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 trial procedure and plan
 - K8 the design, characteristics and potential hazards of the trial
 - 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 trials reporting documentation
 - K16 the roles and responsibilities of team members
 - K17 the competences of the personnel involved
 - K18 reporting lines and procedures
 - K19 how to communicate clear instructions
 - K20 your own level of authority
 - K21 the relevant quality standards and compliance regime
 - K22 the requirements of confidentiality

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Scope/range

1. Complexity: high negative consequence; numerous interrelated tests or activities; variable outcomes
2. Resources: fully equipped; with limited resources
3. Level and extent of responsibility: completing trials yourself; supervising other competent personnel engaged upon multiple or other inter-related tasks

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