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## Overview

This standard covers the competences you need to design a new trial procedure for explosive substances and/or articles in accordance with approved procedures and practices.

You will be required to demonstrate that you can identify the information and factors relevant to the trial, confirm that there are no suitable existing trial procedures 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 confirm with the customer the requirement for the trial to be carried out
  - P3 identify the information and factors relevant to the trial
  - P4 confirm that there are no suitable existing trial procedures
  - P5 ensure that your procedure meets the customer's requirement
  - P6 include organizational factors in addition to the customer's requirements, that are likely to add value to the outline design
  - P7 obtain agreement through a peer and customer review
  - P8 design a trial that is fit for purpose
  - P9 develop a safe system of work
  - P10 identify other potentially valuable outcomes that could be delivered concurrently
  - P11 adhere to the relevant quality standards
  - P12 document the agreed process in the appropriate format

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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 functioning of the explosive substance or article
  - K6 the information and factors relevant to the trial
  - K7 the trial objectives
  - K8 sources of relevant information
  - K9 the basis on which explosives trial procedures are designed
  - K10 why an existing procedure is not suitable
  - K11 document control procedures
  - K12 the resources needed to carry out the trial
  - K13 the features and benefits of cost-benefit analysis
  - K14 how to dispose of explosive substances and/or articles residues arising from the trial
  - K15 what might constitute value to your customer and/or your organization
  - K16 the role of peer and customer review
  - K17 your own level of authority
  - K18 the relevant quality standards and compliance regime
  - K19 the impact of the hazards and risks associated with the procedure and conditions

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## Scope/range

1. Technical, legal and cost implications: safety; environmental impact; value to the customer; value to your organization; resources
2. Complexity: high negative consequence; numerous interrelated tests or activities; variable
3. Sources of information: databases; publications; informal sources of information
4. Information: with access to complete information; with access to incomplete information

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