
Overview

This standard comprises the following elements:

1. Carry out investigations into explosive substances and/or articles.
2. Analyse and evaluate research information on explosive substances and/or articles.

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 senior research leaders working at strategic level with organizations outside their own.

Performance criteria

You must be able to: 1. Carry out investigations into explosive substances and/or articles

P1 work safely at all times, complying with health and safety, environmental and other relevant regulations, legislation and guidelines

P2 set up the investigation in line with the research plan

P3 manage

relationships with interested parties in accordance with agreements made

P4 use methods, techniques and apparatus in line with the relevant procedures

P5 utilize a network of contacts to generate information

P6 document all unexpected outcomes or incidents as they occur, making reports and modifying the research

P7 report any delays or problems experienced to interested parties and adjust the research plan accordingly

P8 pay attention to hazards and risks arising from the investigation and take steps to minimize them

P9 document the details of the investigation and its outcomes in the format suitable for further use

P10 maintain the requirements of confidentiality at all times

2. Analyse and evaluate research information on explosive substances and/or articles

P11 work safely at all times, complying with health and safety, environmental and other relevant regulations, legislation and guidelines

P12 select, adapt or devise new techniques of analysis and evaluation

P13 manage the evaluation when it is carried out by others, providing a clear and specific brief

P14 ensure that the analysis and evaluation techniques are cost-effective and can be applied using the available resources

P15 confirm your conclusions through the peer review process and act on the resulting feedback

P16 meet your deadlines, taking action in the event of delays

P17 deliver the agreed outputs within budget or take action in the case of expected overspends

P18 report your findings in the correct format

P19 maintain the requirements of confidentiality at all times

Knowledge and understanding

You need to know and understand: 1. Carry out investigations into explosive substances and/or articles

- 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 substances and/or articles
- K4 the actions to be taken in response to an unplanned event
- K5 your organization's strategic and operational policies and objectives
- K6 the requirements of the research strategy, programme and plan
- K7 how to generate contacts
- K8 project management techniques
- K9 the availability and suitability of equipment
- K10 the availability, strengths and limitation of the research team
- K11 the deadline for each research task
- K12 the significance and impact of any relationships or dependencies between research tasks
- K13 problem solving techniques
- K14 the courses of action to minimize risks or hazards K15 your own level of authority, and that of others with whom you work
- K16 reporting lines
- K17 the requirements of confidentiality substances and/or articles

2. Analyse and evaluate research information on explosive substances and/or articles

- K18 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
- K19 the relevance of personal protective equipment (PPE) K20 the nature, characteristics, hazards and risks of the explosive substances and/or articles
- K21 the actions to be taken in response to an unplanned event
- K22 your organization's strategic and operational policies and objectives
- K23 the requirements of the research strategy, programme and objectives
- K24 the basis on which you would carry out the evaluation yourself, delegate it to your team or contract out to an external organization
- K25 your role in sub-contracting the evaluation K26 the nature of

any conflicts of interest

K27 any specific quality requirements

K28 the deadline for

the evaluation phase

K29 your available budget and any constraints

K30 problem

solving techniques

K31 the peer review process

K32 your own level of authority and that of others with whom you work

K33 reporting lines

K34 the requirements of confidentiality

Scope/range

1. Scope of the investigation; individually; collaboratively with internal colleagues; collaboratively with external colleagues
2. Interested parties: research team; project Steering Groups; external collaborators
3. Risks relating to: people; the organization; the research programme; confidentiality; facilities; materials; equipment; services failure
4. Analytical and evaluation techniques: established; adapting established techniques
5. Resources: human; financial; time
6. Conduct of the evaluation: by yourself; by colleagues

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