
Overview

This standard exists within a research and development role and comprises of the following elements:

1. Contribute to investigations into explosive substances and/or articles.
2. Contribute to analysing research information on explosive substances and/or articles.

This activity is likely to be undertaken by someone whose work role involves Ordnance, Munitions or Explosives work activities. This includes people working as researchers, designers and developers.

This standard replaces COGESA1.12.

Performance criteria

You must be able to: 1. Contribute to 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 follow the research plan

P3 collaborate as a team member

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

P5 document and report all unexpected outcomes or incidents, as they occur

P6 pay attention to hazards and risks arising from the investigation

P7 report any delays, problems, hazards and risks experienced to your manager

P8 document the details of the investigation and its outcomes in the required format

P9 maintain the requirements of confidentiality at all times

2. Contribute to analysing research information on explosive substances and/or articles

P10 work safely at all times, complying with health and safety, environmental and other relevant regulations, legislation and guidelines

P11 ensure that the research information collected is accurate, complete and up to date

P12 apply correctly the analytical techniques

P13 confirm the appropriateness of the techniques with your manager

P14 collate, record and analyse information to produce justifiable results in line with the research objectives

P15 check that the analysis is correct, using accepted and valid techniques

P16 record the results of the analysis in the correct format

Knowledge and understanding

You need to know and understand:

1. Contribute to 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 team's objectives

K6 the requirements of the research plan

K7 the roles of those involved in the project

K8 the availability and serviceability of equipment

K9 the consequences of equipment or service failure

K10 the deadline for each research task

K11 problem solving techniques

K12 the courses of action to minimize risks or hazards

K13 your own level of authority and that of others with whom you work

K14 reporting lines

K15 the requirements of confidentiality explosive substances and/or articles

2. Contribute to analysing research information on explosive substances and/or articles

K16 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

K17 the relevance of personal protective equipment (PPE)

K18 the nature, characteristics, hazards and risks of the explosive substances and/or articles

K19 the actions to be taken in response to an unplanned event

K20 your team's objectives

K21 the requirements of the research plan

K22 any specific quality requirements

K23 the deadline for the analysis and evaluation phase

K24 analytical techniques (eg calculating means, variances, ranges)

K25 problem solving techniques

K26 your own level of authority and that of others with whom you work

K27 reporting lines

K28 the requirements of confidentiality

Scope/range

1. Scope of the investigation: individually; collaboratively with team members
2. Analytical techniques: manual calculations; using a computer; graphically; tabular
3. Reporting results: in writing; verbally

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