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## Overview

This standard comprises 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 Weapons, Ordnance, Munitions or Explosives work activities. This includes people working as researchers, designers and developers.

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## 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

COGESA1.12

Contribute to carrying out investigations and analysing the information collected on explosive substances and/or articles



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K28 the requirements of confidentiality

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**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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<b>Developed by</b>	Cogent
<b>Version Number</b>	2
<b>Date Approved</b>	November 2017
<b>Indicative Review Date</b>	November 2020
<b>Validity</b>	Current
<b>Status</b>	Original
<b>Originating Organisation</b>	SEMTA
<b>Original URN</b>	ESA1.12
<b>Relevant Occupations</b>	Science and mathematics Science; Science; Engineering and manufacturing technologies; Science and Engineering Technicians; Process, Plant and Machine Operatives
<b>Suite</b>	Explosive Substances and Articles
<b>Keywords</b>	Contribute, investigations, analysing, information, explosive substance

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