

---

## Overview

This standard covers the competences you need to submit proposals for research work for explosive substances and/or articles in accordance with approved procedures and practices.

You will be required to demonstrate that you can state the aims and objectives of the research in the proposal justifying the selection of particular methods, and the setting of priorities in the research 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 individuals working as research leaders.

---

## 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 state the aims and objectives of the research in the proposal
  - P3 present the significance and value of the proposed research and its outcomes with reference to previous and ongoing research work
  - P4 specify the main stages and tasks of the research, and the method to be used
  - P5 justify the selection of particular methods, and the setting of priorities in the research
  - P6 state the required contribution of all parties toward achieving the goals of the research
  - P7 set timescales, resources, staffing and budgets for the work, in sufficient detail to enable decisions to be made
  - P8 record and communicate any amendments to the proposal
  - P9 obtain the appropriate authorization prior to submitting the proposal
  - P10 ensure that the proposal arrives at its destination, in the correct format, within the required timescale
  - P11 maintain the requirements of confidentiality at all times

---

## 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 substances and/or articles
- K4 the actions to be taken in response to an unplanned event
- K5 your organization's operational policies and objectives
- K6 the requirements of the research strategy
- K7 the nature of funding body interest
- K8 the staff, facilities and equipment needed to carry out the research
- K9 what needs to be costed in the proposal and how to calculate those costs
- K10 the strengths and weaknesses of your team or partners
- K11 the required format for presenting your proposal and the timetable for doing so
- K12 any possible opposition to the research and its potential impact
- K13 the existence of any similar research in explosives being carried out elsewhere
- K14 current trends in your area of specialism and related areas
- K15 planning techniques
- K16 ethical and legal issues
- K17 the requirements of confidentiality

---

**Scope/range**

1. Funding: for new projects; for continuations to existing projects
2. Proposals: for individual research; for collaborative ventures

<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>	ESA1.8
<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>	Health, safety, explosive substances, environment, statutory legislation, regulations, hazards