
Overview

This standard exists within a research and development role and covers the competences you need to create the specification for the design of an explosive article in accordance with approved procedures and practices.

You will be required to demonstrate that you can determine how best your team can respond to the requirements, in terms of workload and resources. Specifying the quality assurance requirements, referencing relevant regulations and standards in accordance with approved procedures and practices.

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

This standard replaces COGESA1.19.

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 ensure that the technical requirements are understood and specified
 - P3 check and obtain agreement that the requirements are interpreted correctly
 - P4 determine how best your team can respond to the requirements, in terms of workload and resources
 - P5 identify and prioritize the key aspects of the design specification
 - P6 specify the quality assurance requirements, referencing relevant regulations and standards
 - P7 record information in accordance with organizational requirements
 - P8 prepare and present specifications using the correct format
 - P9 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 business and research strategies
- K6 the customer's underlying needs
- K7 information sources and document types
- K8 the environmental factors relating to the intended use of the explosive article
- K9 your organization's requirements for the specification, in terms of structure, format and content of specifications
- K10 analytical methods and techniques
- K11 evaluation methods and techniques
- K12 your teams' capabilities, capacity and constraints
- K13 the roles and responsibilities, strengths and weaknesses of collaborative partners
- K14 the requirements of any relevant quality standards and guidelines
- K15 reporting lines
- K16 communication techniques
- K17 your own level of authority and that of others you work with
- K18 the requirements of confidentiality

Scope/range

1. People: customers; colleagues, sponsors
2. Presentation: verbally; in writing
3. Environmental factors: pressure; temperature; humidity; vibration; shock

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Relevant Occupations	Science and mathematics Science; Science; Engineering and manufacturing technologies; Science and Engineering Technicians; Process, Plant and Machine Operatives
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