
Overview

This standard covers the competences you need to create the specification for the design of complex explosive articles in accordance with approved procedures and practices.

You will be required to demonstrate that you can determine how your organization can best respond to the requirements in terms of workload and resources. Identifying and prioritize the key aspects of the design specifications 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 people working as senior research leaders working at strategic level with organizations outside their own.

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 verify that the requirements are interpreted correctly
 - P4 determine how your organization can best respond to the requirements in terms of workload and resources
 - P5 identify and prioritize the key aspects of the design specifications
 - 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 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
 - K10 analytical methods and techniques
 - K11 evaluation methods and techniques
 - K12 your organization's capabilities, capacity and constraints
 - K13 the roles and responsibilities, strengths and weaknesses of your collaborative partners
 - K14 the requirements of quality standards and guidelines
 - K15 reporting lines
 - K16 communication techniques
 - K17 your own level of authority, and that others you work with
 - K18 the requirements of confidentiality

Scope/range

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

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