
Overview

This standard covers the competences you need to establish the performance criteria for explosive substances and/or articles in accordance with approved procedures and practices.

You will be required to demonstrate that you can ensure that the technical requirements are understood and specified, obtaining sufficient information to understand the customer's objectives 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 research, design and development and test and evaluation managers and supervisors.

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 obtain sufficient information to understand the customer's objectives
 - P3 identify or confirm the identity and condition of explosive substances or articles
 - P4 ensure that the technical requirements are understood and specified
 - P5 determine how your organization can respond to the requirements in terms of workload and resources
 - P6 characterise the hazards pertaining to the test or trial
 - P7 quantify the risks of the test or trial
 - P8 record information in accordance with organizational procedures
 - P9 check and obtain agreement that the requirements are interpreted correctly
 - P10 adhere to the relevant quality standards
 - 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 substance and/or article
 - K4 the actions to be taken in response to an unplanned event
 - K5 the functioning of the explosive substance or article
 - K6 how to carry out a risk assessment
 - K7 how to identify the hazards
 - K8 the relevant performance specifications for the explosive substances and/or articles
 - K9 information sources and documents that pertain to the performance criteria
 - K10 previous test results, simulated test results, and manufacturer, design authority and scientific literature
 - K11 how to interpret, collate and translate data and manipulate information into suitable formats for comparison
 - K12 analysis methods and techniques
 - K13 the competences of the personnel involved
 - K14 your own level of authority and that of others with whom you work
 - K15 when and how to challenge a customer's requirement
 - K16 the different courses of action you might suggest
 - K17 the requirements of confidentiality
 - K18 the importance of documenting your actions and your rationale
 - K19 the relevant quality standards and compliance regime
 - K20 your organization's recording procedures

Scope/range

1. Explosive substances and/or articles: immediately identifiable; those that require further investigation
2. Information: with access to full information; with access to limited information
3. Range and complexity of technical requirements: single item; part of a complex system
4. Technical, legal and cost implications: safety; environmental impact; value; internal resources; external resources
5. Hazards and risks caused by: complexity of the explosive substances or articles; condition of the explosive substances or articles; primary hazards; secondary hazards

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