
Overview

This standard exists within a test and evaluation role and 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 research, design or development of Ordnance, Munitions or Explosives. This includes people working as operators, supervisors and leaders (managers) in test and evaluation.

This standard replaces COGESA3.1.

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 task
- P7 quantify the risks of the task
- 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 results, simulated 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

These standards may be limited by the following;

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

Glossary

Leader: individual who provides / sets ensures standards, direction or requirements. Is accountable.

Manage: Lead and be accountable (in law) for the project/team.

Operator (contributor): undertake tasks in accordance with policy, process and procedure.

Supervisor (task leader): have authority for the safe, secure and timely conduct of the activity. individual who directly plans, monitors and appraises the task or work of others. Has responsibility for ensuring (task) standards.

Test: a critical examination of one or more properties or characteristics of a material, product or set of objectives with predicted outcomes.

COGESAKR3.01

Establish the performance criteria for explosive substances and/or articles



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