
Overview

This standard exists within a test and evaluation role and covers the competences you need to plan for the test and evaluation of explosive substances and or articles in accordance with approved procedures and practices.

You will be required to demonstrate that you can produce a clear and accurate test plan within the constraints of timescale, quality and cost. You will ensure that hazard and risk assessment activities are carried out.

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

This standard replaces COGESA3.8 and COGESA3.9.

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 you have the correct test procedure
- P3 confirm the fitness for purpose of the proposed facilities
- P4 make effective use of appropriate modelling tools
- P5 incorporate the requirements of additional tasks to be carried out concurrently
- P6 identify and obtain resource requirements that are appropriate to the task
- P7 allocate responsibilities appropriately
- P8 produce a clear and accurate plan that is capable of delivery within the constraints of cost and timescale
- P9 ensure that hazard and risk assessments are carried out
- P10 confirm the deliverables with the customer with agreed interim reviews
- P11 ensure that any issues relating to the segregation and disposal of process residues and products have been addressed in the plan
- P12 obtain agreement to the plan
- P13 obtain the approval to changes made to the plan in the correct format
- P14 maintain the requirements of confidentiality at all times
- P15 adhere to the relevant quality standards
- P16 take action to resolve and record problems

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 anticipated results
- K6 the factors relevant to the task
- K7 the agreed procedure
- K8 how to produce a test plan
- K9 the objectives of the task
- K10 the resource constraints
- K11 the competences of the personnel involved
- K12 the types of equipment and their applications
- K13 appropriate planning tools and project management principles
- K14 the requirements and creation of hazard identification and risk assessment
- K15 contingency emergency planning
- K16 how to dispose of explosive substances and/or articles residues arising from the task
- K17 the role of peer review
- K18 your own level of authority and those of others with whom you work
- K19 the relevant quality standards and compliance regime
- K20 any confidentiality requirements
- K21 when to refer to others for more information or advice and guidance

Scope/range

These standards may be limited by the following;

1. Resources: fully equipped; with limited resources
2. Complexity of the task: new tasks; existing tasks
3. Reviews: where the customer agrees the plan; where changes are needed following discussions with the customer
4. Hazards and risks caused by: condition of the explosive substances and/or articles; primary hazards; secondary hazards

Glossary

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.

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Original URN	This standard replaces COGESA3.8 and COGESA3.9.
Relevant Occupations	Engineering and Manufacturing Technologies, Process, Plant and Machine Operatives, Science and Engineering Technicians, Science and Mathematics Science
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