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## Overview

This standard exists within a test and evaluation role and covers the competences you need to manage 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 approve and or authorize test plans that are fit for purpose and meet the specified requirements, obtaining approval to amendments made to the test plan 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 test and evaluation managers.

This standard replaces COGESA3.10 and COGESA3.11.

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## 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 safe systems of work are in place
- P3 approve and or authorize plans that are fit for purpose and meet the specified requirements
- P4 review the conduct of the task and deliverables with the customer
- P5 communicate the plan appropriately
- P6 allocate responsibilities appropriately
- P7 deliver the objectives within budget and or timescale
- P8 respond to developing events and priorities in accordance with procedures
- P9 obtain approval to amendments made to the plan
- P10 co-ordinate the activities of other resources
- P11 segregate and dispose of the process residues and products in accordance with approved procedures
- P12 ensure that the site is suitably remediated and the equipment recovered post-task
- P13 give clear and accurate technical advice
- P14 maintain the requirements of confidentiality at all times
- P15 adhere to the relevant quality standards
- P16 report your findings in the correct format

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## Knowledge and understanding

### *You need to know and understand:*

- K1 the health, safety and environmental and other statutory legislation, regulations, 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 objectives
- K5 the functioning of the item under test
- K6 how to assess hazards and mitigate risks
- K7 how to adapt, design and validate the procedures
- K8 the competences of the personnel involved
- K9 the availability of resources and any constraints attached to them
- K10 monitoring techniques relevant to the task
- K11 the actions in response to unplanned or developing events and imperatives
- K12 the stakeholders and the nature of their interest in the task
- K13 how to consign waste residues and other products for disposal
- K14 your own level of authority
- K15 the relevant quality standards and compliance regime
- K16 any confidentiality requirements
- K17 the factors relevant to assuring quality

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## Scope/range

These standards may be limited by the following;

1. Resources: full; limited; external
2. Maintaining the integrity of the process: quality assurance; test plan
3. Relationships: the customer; external organizations; your organization; the team
4. Complexity: high negative consequence; numerous inter-related tests or activities; variable outcomes

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## Glossary

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

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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<b>Relevant Occupations</b>	Engineering and Manufacturing Technologies, Process, Plant and Machine Operatives, Science and Engineering Technicians, Science and Mathematics Science
<b>Suite</b>	Explosive Substances and Articles: Test and Evaluation
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