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## Overview

This standard exists within a test and evaluation role and covers the competences you need to validate a test and evaluation procedure for explosive substances and or articles accordance with approved processes and practices.

You will be required to demonstrate that you can draft protocols for conducting of a validation process in accordance with organizational procedures, recording the results in a way that makes the results clear and meaningful.

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

This standard replaces COGESA3.7.

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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 draft protocols for conducting the validation in accordance with organizational procedures
- P3 adhere to the requirements of the validation protocols
- P4 record the results of the validation in a way that makes the results clear and meaningful
- P5 identify any problems or faults and their causes
- P6 investigate any deviations from expected results, and report them to the relevant people
- P7 evaluate the results for completeness and validity
- P8 make clear recommendations to address problems and faults
- P9 adhere to the relevant quality standards
- P10 inform those who need to know of your analysis and recommendations

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## 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 factors and information relevant to the validation
- K6 how to set objective success criteria
- K7 the potential deviations that may result from using scaled or inert substitutes
- K8 how to write validation protocols and what they should cover
- K9 documentation control procedures
- K10 the resources needed to carry out the validation
- K11 the expected outcome(s) of the validation
- K12 your own level of authority
- K13 what might constitute value to your customer and or your organization
- K14 the relevant quality standards and compliance regime
- K15 when and how to recommend changes to the procedure

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## Scope/range

These standards may be limited by the following;

1. test and evaluation procedures: new procedures; adapted procedures; existing procedures
2. Technical and legal implications: safety; environmental impact; value to the customer; value to your organization; resources
3. Relevant people: safety officers; designer; peer review panel

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## Glossary

**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.

**Validation:** the process that ensures the procedure will meet the needs and requirements of the stakeholders

COGESAKR3.05

Validate a test and evaluation procedure for explosive substances and/or articles



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