
Overview

This standard exists within a research and development role and comprises of the following elements:

1. Assess the effectiveness of results in meeting research objectives for explosive substances and/or articles.
2. Document research and findings on explosive substances and/or articles.

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

This standard replaces COGESA1.14.

Performance criteria

You must be able to:

1. Assess the effectiveness of results in meeting research objectives for explosive substances and/or articles

P1 work safely at all times, complying with health and safety, environmental and other relevant regulations, legislation and guidelines

P2 confirm that the results have been validated

P3 interpret the results using valid and consistent methods

P4 ensure that the interpretation of the results is logical and objective

P5 evaluate the conclusions of the research in comparison with the original objectives

P6 identify any area(s) in which the research fails to meet its objectives

P7 explain any identified causes for failure

P8 present your recommendations for areas of further work

2. Document research and findings on explosive substances and/or articles

P9 work safely at all times, complying with health and safety, environmental and other relevant regulations, legislation and guidelines

P10 ensure that your research documentation is complete and up to date

P11 record all findings, results and views, whether they are positive or negative

P12 make distinctions between the results and your interpretation

P13 explain the rationale for your conclusions and recommendations

P14 record the research and findings in a suitable format for further use

P15 disseminate your research and findings to the audience in line with the dissemination plan

P16 ensure that the documentation complies with legal requirements

Knowledge and understanding

You need to know and understand:

1. Assess the effectiveness of results in meeting research objectives for explosive substances and/or articles

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 substances and/or articles

K4 the actions to be taken in response to an unplanned event

K5 the validation process

K6 the range of interpretative methods that could be used

K7 the requirements of the research programme and plan

K8 the deadline for the assessment of the research findings

K9 your own level of authority and that of others with whom you work

K10 reporting lines

K11 the peer review process

K12 the requirements of confidentiality

2. Document research and findings on explosive substances and/or articles

K13 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

K14 the relevance of personal protective equipment (PPE)

K15 the nature, characteristics, hazards and risks of the explosive substances and/or articles

K16 the actions to be taken in response to an unplanned event

K17 the requirements of the research programme and plan

K18 the deadline for the reporting phase

K19 the format required for the report

K20 communication techniques

K21 your own level of authority and that of others with whom you work

K22 reporting lines

K23 the requirements of confidentiality

Scope/range

1. Presentation of recommendations: verbally; in writing
2. People: colleagues; superiors; sponsors
3. Audiences: colleagues; sponsors; technical experts; non-technical
4. Format for dissemination: verbal; written

Developed by	Cogent
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Validity	Current
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Status	Original
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Originating Organisation	Cogent SSC
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Previous URN	COGESAKR1.14
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Relevant Occupations	Engineering; Science; Science and Engineering Technicians; Science and mathematics Science; Process, Plant and Machine Operatives
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Suite	Explosive Substances and Articles
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Keywords	Assess, document, research, findings, effectiveness, explosive substances
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