
Overview

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

1. Evaluate the effectiveness of results in meeting complex 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 senior research leaders working at strategic level with organizations outside their own.

This standard replaces COGESA1.13.

Performance criteria

You must be able to:

1. Evaluate the effectiveness of results in meeting complex 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 verify that any work carried out by third parties has delivered its objectives

P4 evaluate the results using valid and consistent methods

P5 ensure that the evaluation of the results is logical and objective

P6 evaluate the conclusions of the research in comparison with the original objectives and strategy

P7 identify any area(s) in which the research fails to meet its objectives

P8 explain any identified causes for failure

P9 present the recommendations for areas of further work

P10 make arguments for changes in the research strategy, where your findings indicate a need for changes

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

P11 work safely at all times, complying with health and safety, environmental and other relevant regulations, legislation and guidelines

P12 ensure that the research documentation is complete and up to date

P13 ensure that all findings, results and views have been recorded, whether they are positive or negative

P14 make distinctions between the results and your interpretation

P15 explain in full the rationale for your conclusions and recommendations

P16 record the research and findings in the correct format for further use

P17 disseminate your research and findings to the audience in line with the dissemination plan

P18 ensure that the documentation complies with legal requirements

Knowledge and understanding

You need to know and understand:

1. Evaluate the effectiveness of results in meeting complex 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 evaluative methods that could be used

K7 the requirements of the research strategy, programme and plan

K8 how to establish the criteria against which to evaluate the significance of the research

K9 the particular strengths, specialisms or weaknesses of any third party carrying out the evaluation

K10 the uses to which the information will be put

K11 the deadline for the evaluation of the research findings

K12 the impact of your recommendations on the organization's research strategy

K13 your own level of authority and that of others with whom you work

K14 reporting lines

K15 the requirements of confidentiality

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

K16 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

K17 the relevance of personal protective equipment (PPE)

K18 the nature, characteristics, hazards and risks of the explosive substances and/or articles

K19 the actions to be taken in response to an unplanned event

K20 the requirements of the research strategy, programme and plan

K21 the research dissemination strategy and plan

K22 the particular strengths, specialisms or weaknesses of everyone involved in the reporting and dissemination processes

Evaluate and document complex research and findings on explosive substances and/or articles



K23 the deadline for the dissemination phase

K24 communication techniques

K25 your own level of authority and that of others with whom you work

K26 reporting lines

K27 the requirements of confidentiality

Scope/range

1. Presentation of recommendations: orally; in writing
2. Appropriate people: research team; project Steering Groups; external collaborators
3. Evaluation carried out by: yourself; colleagues; third parties
4. Audiences: colleagues; sponsors; Steering Groups; technical experts; non-technical
5. Format for dissemination: internal reports; reports to sponsors; publications; presenting at conferences

Developed by	Cogent
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Validity	Current
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Originating Organisation	SEMTA
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Previous URN	COGESAKR1.13
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Relevant Occupations	Science and mathematics Science; Science; Engineering; Science and Engineering Technicians; Process, Plant and Machine Operatives
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Suite	Explosive Substances and Articles
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