

COGESA3.2.4A

Review safety control measures for specific explosive substances and/or articles



Overview

This unit identifies the competences you need to review safety control measures for specific explosive substances and/or articles.

Your responsibilities will require you to validate information and identify the explosive substance and/or article. You should document any discrepancies between the intended and actual environments, confirm the risks/hazards against the agreed criteria and make your recommendations according to the findings of your review. On occasions, the information provided may be complete, and on others, it will be incomplete. You will be working in organisations where the explosives safety management system requirements are met and in others where they are not met. You will be carrying out both planned and unplanned reviews. You will be required to report any problems with the explosive safety management activities that you cannot personally resolve, or that are outside your permitted authority to the relevant people. You will be expected to work to verbal/written instructions and standard operating procedures with a minimum of supervision, taking personal responsibility for your own actions and for the quality and accuracy of the work that you and your team carry out.

Your underpinning knowledge will be sufficient to provide a sound basis for your work and will enable you to adopt an informed approach to hazard assessment and identifying the potential interface with other equipments/systems that might compromise safety, identifying the current point in the life of the explosive substance or article and any specific requirements. You will have an understanding of the attributes and behaviours required for working safely in adequate depth to provide a sound background for carrying out the safety management activities to the required specification.

You will understand the precautions required when carrying out the safety management activities for explosive substances and articles. You will be required to demonstrate safe working practices throughout and will understand your responsibility for taking the necessary safeguards to protect yourself and others in the workplace.

Note: this standard is relevant to the following areas: design of ESA; test programmes; mitigations, cautions, constraints, restrictions of use, transport, storage or any other functional area; facilities required/requirements; incident management and emergency procedures; changes to ESA policy and/or legislation.

COGESA3.2.4A

Review safety control measures for specific explosive substances and/or articles

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 confirm the currency, completeness and accuracy of the information
 - P3 identify the explosive substance and/or article
 - P4 document any discrepancies between the intended and actual environments
 - P5 confirm risks/hazards against the agreed criteria
 - P6 make recommendations according to the findings of your review
 - P7 give timely advice or feedback on explosives safety-related matters
 - P8 take appropriate action commensurate with the identified risk
 - P9 report your recommendations and actions in the appropriate format

COGESA3.2.4A

Review safety control measures for specific explosive substances and/or articles

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 substances and/or articles
- K4 the actions to be taken in response to an unplanned event
- K5 the safety design requirements of the explosive substance or article
- K6 the hazard assessment process
- K7 the potential interface with other equipments/systems that might compromise safety
- K8 the functioning of the explosive substance or article
- K9 the current point in the life of the explosive substance or article (e.g. shelf life, concept, development, in use etc)
- K10 any specific requirements (e.g. handling, configuration, maintenance, storage, legislative, etc)
- K11 sources of information and relevant guidance
- K12 how to validate information
- K13 the requirements of the organisation's local explosives safety management system
- K14 your customer's level of explosives technical understanding
- K15 the importance of documenting your actions and your rationale

COGESA3.2.4A

Review safety control measures for specific explosive substances and/or articles

Additional Information

Scope/range related to performance criteria

The numbers of scope items specified (below) indicate the minimum requirements for this Occupational Standard.

- 1 Gather and validate information in **both** of the following categories:
 - 1.1 Complete
 - 1.2 Incomplete

- 2 Review safety control measures within explosive safety managements systems in **both** of the following categories:
 - 2.1 where requirements are met
 - 2.2 where requirements are not met

- 3 Carry out reviews in **both** of the following categories:
 - 3.1 unplanned
 - 3.2 planned

COGESA3.2.4A

Review safety control measures for specific explosive substances and/or articles

Developed by Cogent

Version number 1

Date approved August 2009

Indicative review date August 2011

Validity Current

Status Original

Originating organisation SEMTA

Original URN Unit 2.4A

Relevant occupations Science and mathematics; Science; Engineering; Science and Engineering Technicians; Process, Plant and Machine Operatives

Suite EXPLOSIVES SUBSTANCES AND ARTICLES SUITE 3 2009

Key words Health, safety and environmental, statutory legislation, regulations, classification application process, nature, characteristics, hazards and risks, unplanned event,