

Overview

This standard takes place within a manufacturing environment for processing explosives, substances and or articles and covers the competences you need to monitor and control the task in accordance with approved procedures and practices.

You will be required to demonstrate that you can confirm that you have the correct operating instructions, deal promptly with problems, reporting promptly any that are not within your authority in accordance with approved procedures and practices.

This activity is likely to be undertaken by someone whose work role involves Ordnance, Munitions or Explosives (OME) work activities. This includes those working as manufacturing operators and supervisors.

This standard replaces COGESA 4.08, COGESA 4.09 and COGESA 4.10.

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 that you have the correct process instructions

P3 monitor and confirm the process to ensure that it runs effectively, to the process parameters

P4 recognize deviations and take action to maintain or restore normal operating conditions

P5 deal promptly with problems, reporting promptly any that are not within your authority

P6 complete correctly the required documentation

P7 organize your work and that of others effectively

P8 confirm that all the equipment remains in a safe and functional condition

P9 confirm that any samples have been taken in accordance with the plan

P10 confirm the integrity of the materials being used

P11 identify the possible stage(s) in the process where the problem has occurred

P12 identify the likely cause(s) of the problem

P13 evaluate the likely consequence(s) of the problem

P14 identify the most appropriate and cost-effective solution to the problem

P15 report problems beyond your level of authority to the appropriate person

P16 ensure that you have the necessary authority to implement the solution and complete the required documentation correctly.

P17 implement the chosen solution with a minimal amount of disruption

P18 evaluate the implementation of the solution and make recommendations for further improvements

P19 report on the implementation of your solution to the appropriate people

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 actions to be taken in response to an unplanned event

K4 work area hazards

K5 methods of monitoring the process

K6 the deviations that may occur and how to recognize them

K7 the action to take to maintain normal operating conditions

K8 the limits of your authority

K9 the importance of communication

K10 reporting lines

K11 the documentation requirements

K12 the nature, characteristics, hazards and risks of the explosive substance and/or article

K13 the interaction between the materials and the equipment being used

K14 the compatibility mixing rules

K15 how to interpret and check operating parameters in the process

K16 the importance of operating parameters

K17 how to adjust the process to meet the specified quality

K18 the competences of team members

K19 how to handle equipment safely in ways that protect yourself and others from risk

K20 problem solving techniques

K21 sampling requirements

K22 the required condition of the materials being used

K23 the functions and uses of the different types of equipment used and how to confirm the status of the equipment

K24 the importance of an appropriate response to the situation

K25 the action to be taken to minimize loss and damage

K26 the authorization process

K27 how to implement the chosen solution

K28 the different courses of action open to you to deal with problems

K29 the impact of any changes made

Scope/range

1. Explosive environment: low negative consequence; high negative consequence
2. Process: by hand; by machine
3. Monitoring: visually; using equipment

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