

## Investigate explosives-related safety incidents

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### Overview

This standard exists within an explosives safety management role and covers the competences you need to investigate explosives related safety incidents in accordance with approved procedures and practices.

You will be required to demonstrate that you can implement an appropriate investigation plan, in accordance with your organization's procedures, and substantiate your conclusions on a sound analysis of the available evidence in accordance with approved practices. You may be contributing to a wider or larger investigation, and reporting to a lead investigator.

This activity is likely to be undertaken by someone whose work role involves , Ordnance, Munitions or Explosives (OME) work activities. This includes individuals working as explosives safety managers, investigators, advisers and regulators.

This NOS replaces COGESA2.19 and COGESA.2.20

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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 implement an appropriate investigation plan, in accordance with your organization's procedures

P3 identify  
and interview those involved in or affected by the incident in accordance with the plan

P4 use effective interview and evidence- gathering techniques to obtain valid information and evidence in accordance with the plan and your organization's procedures

P5 substantiate your findings/conclusions, on a sound analysis of the available evidence

P6 establish the potential/likely root causes of the incident, in accordance with your role

P7 make recommendations for future improvements

P8 report the results of your investigation in the appropriate format, through the appropriate channels

## 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 purpose of the safety management system for explosives and how it interfaces with the safety management system as a whole

K6 the relationship of the safety management system for explosives with those of others

K7 best practice in explosives safety management

K8 your organization's investigation procedures

K9 the organization's explosives-related activities

K10 the organization's explosives-related structure and systems

K11 the competence of the personnel involved

K12 sources of information that might inform your investigation, and how to access them

K13 the process being operated when the incident occurred, and any constraints attached to that process

K14 the stakeholders, and the nature of their interest

K15 the potential effects of the incident

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K16 the potential impact of the incident on the business

K17 incident investigation and analysis techniques

K18 your own level of authority and that of others you work with

K19 reporting lines and procedures

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**Scope/range**

1. Those involved: management; colleagues; design authority; witnesses; experts
2. Scope of the investigation: individually; collaboratively with internal colleagues; collaboratively with external bodies
3. As lead investigator or part of a team.

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