

Investigate explosives-related safety incidents

Overview

This standard 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 substantiating your conclusions, on a sound analysis of the available evidence in accordance with approved procedures and practices.

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

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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 interview those involved in or affected by the incident in accordance with the plan
 - P4 use effective interview and evidence- gathering techniques
 - P5 substantiate your conclusions, on a sound analysis of the available evidence
 - P6 establish the potential root causes of the incident
 - P7 make recommendations for future improvements
 - P8 report the results of your investigation in the appropriate format, through the appropriate channels

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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
- 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

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