
Overview

This standard covers the competences you need to analyse and identify aggregated hazards and risks for explosives in accordance with approved procedures and practices.

You will be required to demonstrate that you can determine whether there are interactions between the individual risks evaluate the potential safety consequences of identified interactions ensuring that all hazards have been identified 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 advisers, regulators and procurement managers and supervisors.

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 ensure that all the information is current, complete and accurate
 - P3 validate the separate risk assessments
 - P4 determine whether there are interactions between the individual risks
 - P5 evaluate the potential safety consequences of identified interactions
 - P6 ensure that all hazards have been identified
 - P7 obtain any necessary approval to your analysis
 - P8 report your findings in the appropriate format in accordance with organizational procedures
 - P9 maintain the documentation requirements

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 operation
- 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 management system for explosives
- K6 your organization's explosives-related business objectives and activities
- K7 your organization's explosives-related structure and systems
- K8 information sources and documentation that pertain to the explosive substance and/or article, and the relevant risk assessment(s)
- K9 the hazard and risk assessment priorities
- K10 your available resources and any constraints attached to them
- K11 the competence of the personnel involved
- K12 hazard identification and analysis techniques
- K13 risk assessment techniques
- K14 the role of peer review
- K15 the importance of documenting your actions and rationale

Scope/range

1. Hazards and risks caused: by the complexity of the activity; to the explosive; from the explosive
2. Hazards and risk: high negative consequence; low negative consequence

| | |
|---------------------------------|---|
| Developed by | Cogent |
| Version Number | 2 |
| Date Approved | November 2017 |
| Indicative Review Date | November 2020 |
| Validity | Current |
| Status | Original |
| Originating Organisation | SEMTA |
| Original URN | COGESA2.8 |
| Relevant Occupations | Science and mathematics Science; Science; Engineering; Science and Engineering Technicians; Process, Plant and Machine Operatives |
| Suite | Explosive Substances and Articles |
| Keywords | Analyse, identify, health and safety, practices, statutory legislation, regulations |