
Overview

This standard covers the competences you need to develop emergency response systems and procedures for explosives safety in accordance with approved procedures and practices.

You will be required to demonstrate that you can establish the scope and parameters of the emergency response system for explosives, ensuring that it is consistent with the level of risk 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.

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 establish the scope and parameters of the emergency response system for explosives, ensuring that it is consistent with the level of risk
 - P3 establish the compatibility of your emergency response systems with that of the emergency services
 - P4 ensure the fitness for purpose of your response plan, amending it in the light of feedback obtained
 - P5 document coherent explosives procedures that are consistent with your organization's overall emergency response plans
 - P6 obtain approval to your emergency response plan
 - P7 communicate the emergency response system effectively to stakeholders

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 management system for explosives
- K6 what should be included in your emergency response system for explosives
- K7 your organization's overall emergency response plan
- K8 how to test the effectiveness of your explosives emergency procedures
- K9 your organization's explosives-related business activities
- K10 your organization's explosives-related structure and systems
- K11 the emergency response priorities
- K12 who or what, beyond your boundaries, might be affected by an emergency
- K13 how and why external events might affect you
- K14 your available resources, and any constraints attached to them
- K15 the competence of the personnel involved
- K16 your own level of authority, and that of others you work with
- K17 the stakeholders and the nature of their interest
- K18 planning techniques
- K19 the emergency services' response plans
- K20 the importance of documenting your actions and your rationale

Scope/range

1. Emergencies: explosives incident; fire; critical equipment failure; breach of safety area; unintended release
2. Explosives effects: contained within your own boundaries; beyond your own boundaries

Developed by	Cogent
Version Number	2
Date Approved	November 2017
Indicative Review Date	November 2020
Validity	Current
Status	Original
Originating Organisation	SEMTA
Original URN	COGESA2.11
Relevant Occupations	Science and mathematics Science; Science; Engineering; Science and Engineering Technicians; Process, Plant and Machine Operatives
Suite	Explosive Substances and Articles
Keywords	Develop, emergency systems, explosives, environmental, health and safety