
Overview

This standard exists within a research and development role and covers the competences you need to identify and analyse the factors applicable to the explosive article design specification in accordance with approved procedures and practices.

You will be required to demonstrate that you can confirm your understanding of the design requirements and show clearly where the analysis suggests the need for further investigation in accordance with approved procedures and practices.

This activity is likely to be undertaken by someone whose work role involves Ordnance, Munitions or Explosives work activities. This includes people working as design managers, development managers and researchers.

This standard replaces COGESA1.20.

Identify and analyse the factors applicable to the explosive article design specification



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 your understanding of the design requirements
 - P3 decide, prioritize and document the factors that will affect the design specification, using appropriate methods of analysis, supported by relevant evidence
 - P4 prepare and present recommendations for any further investigation and analysis in the correct format
 - P5 show clearly where the analysis suggests the need for further investigation
 - P6 maintain the requirements of confidentiality at all times

Identify and analyse the factors applicable to the explosive article design specification

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 required functioning of the explosive substance or article
- K6 the requirements of the explosive article design specification
- K7 the appropriateness of analytical methods and techniques, and their impact on the design
- K8 information sources and document systems
- K9 current thinking within your own area of specialism
- K10 communication techniques
- K11 reporting lines
- K12 your own level of authority, and that of others you work with
- K13 the requirements of confidentiality

Identify and analyse the factors applicable to the explosive article design specification



Scope/range

1. Input: from within own specialism; from outside own specialism
2. Information sources: informal; internal reports; external publications

Identify and analyse the factors applicable to the explosive article design specification



Developed by	Cogent
---------------------	--------

Version Number	1
-----------------------	---

Date Approved	March 2024
----------------------	------------

Indicative Review Date	March 2029
-------------------------------	------------

Validity	Current
-----------------	---------

Status	Original
---------------	----------

Originating Organisation	Cogent
---------------------------------	--------

Previous URN	COGESA1.20
---------------------	------------

Relevant Occupations	Science and mathematics Science; Science; Engineering; Science and Engineering Technicians; Process, Plant and Machine Operatives
-----------------------------	---

Suite	Explosive Substances and Articles
--------------	-----------------------------------

Keywords	Identify, analyse, explosive articles, health and safety, statutory legislation
-----------------	---