
Overview

This standard covers the competences you need to evaluate the results of tests of explosive substances and/or articles in accordance with approved procedures and practices.

You will be required to demonstrate that you can analyse the data using accepted methods and procedures, reaching valid and logical conclusions from the available evidence, and make appropriate recommendations 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 people working as test and evaluation, research, design and development and procurement 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 you have the necessary data on which to conduct the analysis
 - P3 resolve any inconsistencies in the data
 - P4 analyse the data using accepted methods and procedures
 - P5 check that the data analysis is accurate and takes account of the test conditions
 - P6 reach valid and logical conclusions from the available evidence, and make appropriate recommendations
 - P7 record the results of the analysis in the correct format, and report your findings
 - P8 report the evaluation in accordance with your organization's procedures
 - P9 adhere to the relevant quality standards
 - P10 maintain the requirements of confidentiality at all times

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 substance and/or article
 - K4 the actions to be taken in response to an unplanned event
 - K5 the design of the item
 - K6 the customer's objectives and needs
 - K7 the composition and functioning of the explosive substances and articles under test
 - K8 the relevant performance specifications for the explosive substances and articles
 - K9 the tolerances defined by the performance specification
 - K10 the test criteria
 - K11 the limitations of the test equipment
 - K12 the capabilities and limitations of the data analysis methods and techniques
 - K13 how to interpret, collate information, from different sources into suitable formats for comparison
 - K14 test documentation and procedures
 - K15 reporting lines and procedures
 - K16 the relevant quality standards and compliance regime
 - K17 your own level of competence
 - K18 the requirements of confidentiality

Scope/range

1. Information: where there are inconsistencies; where there are no inconsistencies

Developed by	Cogent
Version Number	2
Date Approved	November 2017
Indicative Review Date	November 2020
Validity	Current
Status	Original
Originating Organisation	SEMTA
Original URN	ESA3.18
Relevant Occupations	Science and mathematics Science; Science; Engineering; Science and Engineering Technicians; Process, Plant and Machine Operatives
Suite	Explosive Substances and Articles
Keywords	Evaluate, tests, explosives, health and safety, statutory legislations, regulations
