COGESA3.7

Validate a trial or test procedure for explosive substances and/or articles

Overview

This standard covers the competences you need to validate a trial or test procedure for explosive substances and/or articles in accordance with approved procedures and practices.

You will be required to demonstrate that you can draft protocols for the conducting of a validation trial or test in accordance with organizational procedures recording the results in a way that makes the results clear and meaningful.

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 research, design and development and test and evaluation managers.

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 draft protocols for the conduct of the validation trial or test in accordance with organizational procedures
P3 adhere to the requirements of the validation protocols
P4 record the results of the validation in a way that makes the results clear and meaningful
P5 identify any problems or faults and their causes
P6 investigate any deviations from expected results, and report them to the relevant people
P7 evaluate the results for completeness and validity
P8 make clear recommendations to address problems and faults
P9 adhere to the relevant quality standards
P10 inform those who need to know of your analysis and recommendations

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 factors and information relevant to the validation
K6 how to set objective success criteria
K7 the potential deviations that may result from using scaled or inert substitute
K8 how to write validation protocols, and what they should cover
K9 documentation control procedures
K10 the resources needed to carry out the validation
K11 the expected outcome(s) of the validation
K12 your own level of authority
K13 what might constitute value to your customer and/or your organization
K14 the relevant quality standards and compliance regime
K15 when and how to recommend changes to the trial or test plan

Scope/range

Trial or test procedures: new procedures; adapted procedures; existing procedures
2. Technical and legal implications: safety; environmental impact; value to the customer; value to your organization; resources
3. Relevant people: safety officers; test designer; peer review panel

COGESA3.7

Validate a trial or test procedure for explosive substances and/or articles

Developed by	Cogent
Version Number	2
Date Approved	November 2017
Indicative Review Date	November 2020
Validity	Current
Status	Original
Originating Organisation	Cogent SSC
Original URN	COGESA3.7
Relevant Occupations	Engineering; Science; Science and Engineering Technicians; Science and mathematics Science; Process, Plant and Machine Operatives
Suite	Explosive Substances and Articles
Keywords	Validate, trial, test, procedure, explosives, health and safety, statutory legislation, regulations