
Overview

This standard covers the competences you need to implement the complex repair of explosive substances and/or articles in accordance with approved procedures and practices.

You will be required to demonstrate that you can carry out the repair activities in the specified sequence, and in an agreed time scale. Reporting any instances where the repair activities cannot be fully met, or where there are identified faults outside the planned task 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 maintenance supervisors.

Performance criteria

- You must be able to:*
- P1 work safely at all times, complying with health and safety and other relevant regulations, legislation and guidelines
 - P2 follow the relevant maintenance procedures to carry out the required repair
 - P3 ensure that the tools used are fit for purpose
 - P4 carry out the repair activities in the specified sequence, and in an agreed time scale
 - P5 take suitable precautions to prevent damage to components, tools and equipment during repair
 - P6 ensure that the repaired component meets the specified operating conditions
 - P7 report any instances where the repair activities cannot be fully met, or where there are identified faults outside the planned task
 - P8 label, store or discard any removed components, in accordance with approved procedures
 - P9 complete the relevant maintenance records accurately, and pass them on to the appropriate person
 - P10 dispose of waste materials in accordance with safe working practices and approved procedures
 - P11 maintain the requirements of confidentiality at all times
 - P12 comply with the appropriate quality standards

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 functioning of the explosive substances and/or articles covered by the maintenance programme
- K5 the actions to be taken in response to an unplanned event
- K6 waste streams and disposal procedures
- K7 reporting lines and procedures
- K8 the competences of the personnel involved
- K9 the requirements of the maintenance policy, plan and procedures
- K10 component repair methods and techniques as prescribed in the relevant documentation using the appropriate tools and in the correct sequence
- K11 the requirements of your organization and your customer
- K12 the timescales involved
- K13 the tools and test equipment to be used, how to use them, and additional diagnostic methods relevant to the test being carried out
- K14 equipment operating and care and control procedures
- K15 the risks associated with your work and their potential consequences, and how the contingency plan addresses these
- K16 the implications for the process or system as a whole, of the quality of the different components within it
- K17 configuration management procedures
- K18 any confidentiality requirements
- K19 the relevant quality standards and compliance regime

Scope/range

- 1 Level and extent of responsibility: fault diagnosis of complex systems; testing and evaluating equipment and interpreting results; coaching others in repair tasks
- 2 Assets or equipment to be repaired: non-complex explosive articles; complex explosive articles
- 3 Types of repair procedures and activities: critical routine and nonroutine repair tasks; fault diagnosis; authorization of work to be carried out by others; sign off of work carried out by others

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	COGESA5.11
Relevant Occupations	Science; Science and Engineering Technicians; Science and mathematics Science; Engineering; Process, Plant and Machine Operatives
Suite	Explosive Substances and Articles
Keywords	Implement, complex, explosives, health and safety, statutory legislation, regulations, equipment