

# COGIRMI14

## Carry out repairs of ionising radiation measurement instrumentation



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### Overview

This unit covers the competence required to carry out repairs to ionising radiation measurement instrumentation safely and effectively.

This unit deals with the following:

- 1 Carry out repairs of ionising radiation measurement instrumentation

During this work you must take account of the relevant operational requirements and safe working practices AS THEY APPLY TO YOU.

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### Performance criteria

- You must be able to:*
- P1 work safely at all times, complying with health and safety and other relevant regulations and guidelines
  - P2 follow the relevant guidance 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 timescale
  - P5 take suitable precautions to prevent damage to components, tools and equipment during repair
  - P6 ensure that the repaired component meets the specification
  - P7 report any instances where the repair activities cannot be completed or where there are identified faults outside the planned task
  - P8 label, store or discard any removed components in accordance with organisational procedures
  - P9 complete the relevant repair and configuration records accurately and pass them on to the appropriate authority
  - P10 dispose of waste materials in accordance with organisational procedures
  - P11 adhere to the relevant quality standards

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### 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 ionising radiation and their implications for your area of work
- K2 the relevance of personal protective equipment (PPE)
- K3 the functioning, hazards and risks of the ionising radiation measurement instrumentation covered by the repair programme
- K4 the actions to be taken in response to an unplanned event
- K5 waste streams and component disposal procedures
- K6 reporting lines and procedures
- K7 the tools and equipment to be used and how to use them
- K8 component repair techniques as prescribed by the relevant documentation
- K9 instrument operation and care and control procedures
- K10 the implications of the repair
- K11 configuration management procedures

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### Additional Information

#### Scope/range

- 1 level and extent of responsibility: routine repair of the lowest sub-assembly and function testing; on complex systems under the supervisor's direction
- 2 types of repair: routine repair; critical routine repair where sign-off by a supervisor is required

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**Relevant occupations** Professional Occupations; Engineering Professionals; Engineering and manufacturing technologies; Engineering

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**Suite** Ionising Radiation Measurement Instrumentation

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