

COGIRMI05

Carry out tests and examinations of ionising radiation measurement instrumentation



Overview

This unit covers the competence required to conduct and record safe and effective tests and examinations of ionising radiation measurement instrumentation.

This unit deals with the following:

- 1 Carrying out tests and examinations 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, legislation and guidelines
 - P2 ensure that all preparatory work has been carried out
 - P3 ensure that all safety precautions are in place
 - P4 confirm that the correct ionising radiation measurement instrumentation has been selected for testing
 - P5 take suitable precautions to prevent damage to the instrumentation being tested
 - P6 carry out the test and examination in accordance with the plan
 - P7 ensure that the facilities and test equipment are fit for continuing use in accordance with the test procedure
 - P8 make practicable recommendations for future improvement
 - P9 adhere to relevant quality standards
 - P10 maintain documentation in accordance with organisational procedures

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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 nature, characteristics, hazards and risks of ionising radiation and the technology in the instrumentation used to take measurements
- K3 the characteristics and nature of any hazardous materials with which you are working
- K4 the test and examination procedure and plan
- K5 the design, characteristics and potential hazards of the test and examination
- K6 types of equipment relevant to the task and their application, capabilities and limitations
- K7 environmental controls (e.g. temperature, humidity)
- K8 test and examination reporting documentation

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Additional Information

Scope/range

- 1 technical, legal and cost implications: safety; quality
- 2 type of test: routine; non-routine

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Suite Ionising Radiation Measurement Instrumentation

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