

COGIRMI02

Develop technical procedure for ionising radiation measurement instrumentation



Overview

This unit covers the competence required to develop and obtain approval for a safe and effective technical procedure for ionising radiation measurement instrumentation where no such procedure already exists. The technical procedure could relate to testing, calibration or maintenance.

This unit deals with the following:

- 1 Develop technical procedure for 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 identify the intended use of the instrument
- P3 identify the performance criteria of the instrument
- P4 identify the information and factors relevant to the technical procedure
- P5 develop a technical procedure that is fit for purpose within the intended operational context
- P6 establish the sequence in which the technical activities should be conducted
- P7 confirm the suitability of the facilities for the test
- P8 identify hazards and assess risks against technical requirements
- P9 develop a safe system of work that meets the requirement
- P10 obtain agreement to your procedure from the appropriate authority
- P11 adhere to the relevant quality standards
- P12 document the agreed process for audit purposes 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 objectives of the technical procedure
- K4 the performance criteria of the instrument
- K5 sources of relevant information
- K6 analysis methods and techniques
- K7 the basis on which ionising radiation measurement instrumentation technical procedures are designed
- K8 the facilities and resources available
- K9 the resources needed to carry out the technical procedure (time, cost, people, facilities, equipment, etc)
- K10 your own level of authority

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Additional Information

Scope/range

- 1 intended use: within manufacturer' specification; for non-standard applications
- 2 technical, legal and cost implications: safety; resources
- 3 sources of information: publications; informal sources of information
- 4 information: with access to complete information; with access to incomplete information

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Developed by Cogent

Version number 1

Date approved April 2010

Indicative review date April 2012

Validity Current

Status Original

Originating organisation Cogent

Original URN IRMI02

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

Suite Ionising Radiation Measurement Instrumentation

Key words develop, technical, procedures, ionising, radiation, testing, calibration, maintenance