

# COGIRMI11

## Plan and manage the ionising radiation measurement instrumentation maintenance and repair programme



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### Overview

This unit covers the competence required to plan a safe and effective maintenance and repair programme for ionising radiation measurement instrumentation.

This unit deals with the following:

- 1 Plan and manage the ionising radiation measurement instrumentation maintenance and repair programme

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 develop a maintenance and repair plan and procedures that can be delivered within safety and resource constraints, incorporating configuration and repair recommendations
- P3 obtain approval to the maintenance and repair plan and procedures
- P4 communicate the plan within the maintenance and repair team
- P5 allocate responsibilities in accordance with the maintenance and repair plan
- P6 deliver the maintenance and repair programme within safety and resource constraints
- P7 respond to developing events and priorities in accordance with organisational procedures
- P8 ensure that the resources, facilities and equipment are fit for continuing use in accordance with the maintenance and repair programme
- P9 adhere to the relevant quality standards
- P10 record the efficacy of the maintenance and repair programme 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 relevance of personal protective equipment (PPE)
- K3 the nature, characteristics, hazards and risks of ionising radiation and the technology in the instrumentation used to take measurements
- K4 your organisation's maintenance and repair policy
- K5 the competences of the personnel involved
- K6 the availability of resources and any constraints attached to them
- K7 the actions that may be appropriate in response to unplanned or developing events and imperatives
- K8 sources of information (e.g. maintenance schedules and reports, historical performance, customer feedback)
- K9 your own level of authority
- K10 the relevant quality standards and compliance regime
- K11 the factors relevant to assuring quality

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### Additional Information

#### Scope/range

- 1 resources: human; facilities; financial; tools and equipment; time
- 2 priority: essential; non-essential
- 3 maintenance and repair activities: routine maintenance; fault repair
- 4 complexity of activity: where routine inspection is required; where maintenance of complex systems and more than one role is required for the task

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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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