

COGIRMI08

Evaluate the results of tests and examinations of ionising radiation measurement instrumentation



Overview

This unit covers the competence required to evaluate the results of tests and examinations of ionising radiation measurement instrumentation.

This unit deals with the following:

- 1 Evaluate the results of 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 you have the necessary data on which to conduct the analysis
 - P3 account for any inconsistencies in the data
 - P4 analyse the data using accepted methods and procedures
 - P5 check that the data analysis is accurate and takes account of the test and examination conditions
 - P6 reach valid and logical conclusions from the available evidence
 - P7 highlight the degree of conformance with the requirements for the instrumentation
 - P8 record the results of the analysis and report your findings in accordance with organisational procedures
 - P9 adhere to the relevant quality standards
 - P10 maintain the requirements of confidentiality at all times

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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 type of the instrument that generated the data being evaluated and the relevant performance specifications
- K3 the customer's objectives and needs and the acceptable tolerances
- K4 the test and examination criteria
- K5 the limitations of test and examination equipment
- K6 the limitations of the instrumentation
- K7 what constitutes complete and valid data
- K8 the capabilities and limitations of data analysis methods and techniques
- K9 how to interpret and collate information from different sources into suitable formats for comparison
- K10 test and examination documentation and procedures
- K11 reporting lines and procedures
- K12 confidentiality requirements
- K13 the relevant quality standards and compliance regime
- K14 your own level of authority

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Additional Information

Scope/range

- 1 data set: routine; non-routine
- 2 data: inconsistencies; no inconsistencies; complete; incomplete
- 3 corrections for: energy; environment
- 4 information: publications; informal sources

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