

**RADIATION PROTECTION  
POLICY AND PROCEDURES  
NUMBER : 20**

**QUALITY ASSURANCE**

It is a requirement, both under the Ionising Radiation Regulations 1999 and IRMER 2000, that Quality Assurance Programs be implemented and that the employer shall have adequate procedures in place to ensure that they are carried out. This also implies regular review of policy and procedure(s) method.

**1. Equipment**

- a. A regular program of tests shall be carried out and recorded by the operators. The content, frequency and acceptable range of results will be in line with accepted national practice (currently IPEM 77) as defined by the Radiology Manager and RPA or their representatives.
- b. More comprehensive and independent tests will be carried out annually by the Radiation Protection Service with reports submitted to the Radiology Manager.
- c. Acceptance surveys will be carried out for all new equipment and following major repair/replacement which may affect patient dose or image quality.

**2. Standard Operating Procedures**

- a. It is the responsibility of the Radiation Protection Supervisor and other senior staff to ensure that agreed working practices are maintained and any discrepancy reported to the Service Manager.
- b. Audit of compliance will be carried out on an annual basis by the Radiation Protection Service.

**3. Review**

The Service Manager, Lead Clinician and Radiation Protection Advisor will meet regularly (and at least annually) to review results of Quality Assurance Audit. Recommendations will be given to the Clinical Risk committee and Divisional Management.

**Ref:** IPEM Report No. 77, Recommended Standards for the Routine Performance Testing of Diagnostic X-Ray Imaging Systems, IPEM/CoR/NRPB, IPEM 1997