


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <p><b>UKAS</b> CALIBRATION 4280</p> <p>Accredited to <b>ISO/IEC 17025:2005</b></p>	<p><b>The Radiological Protection Centre (RPC)</b> (Incorporating the John Perry Laboratory)</p> <p>Issue No: 003    Issue date: 30 June 2010</p>	
	<p><b>Unit 5</b> <b>The Observatory</b> <b>24 Deer Park Road</b> <b>London</b> <b>SW19 3UA</b></p>	<p><b>Contact: Mehboob Rathod</b> <b>Tel: +44 (0)20 8725 1498</b> <b>Fax: +44 (0)20 8417 1338</b> <b>E-Mail: mehboob.rathod@stgeorges.nhs.uk</b> <b>Website: www.sghrpc.co.uk</b></p>
<p><b>Calibration performed at the above address only</b></p>		

### DETAIL OF ACCREDITATION

Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty ( $k=2$ )	Remarks
<u>Dose</u>	BS EN 6127 all RQR qualities BS EN 6127 all RQR-M qualities BS EN 6127 RQT8 and RQT9 qualities 75kV with 2.5 mm Al added filtration and HVL of 2.5mm Al 75kV with added filtration of 2.5 mm Al + 2.0mm Cu and HVL of 9.2mm Al 125kV with added filtration of 2.5mm Al + 0.2mm Cu and HVL of 8.5mm Al 125kV with added filtration of 2.5mm Al + 1.0mm Cu and HVL of 11.3mm Al	3.0 %	Calibration of dosimeters intended for use in diagnostic radiology at the beam qualities stated
<u>kVp Meters</u>	Beam qualities  BS EN 6127 all RQR qualities BS EN 6127 all RQR-M qualities	3.0 %	<u>Non-invasive kV calibrations</u>  Calibration of non-invasive kVp meters intended for use in diagnostic radiology at the beam qualities stated
<u>Dynalyzer High Voltage Unit</u>			Calibration of the Dynalyzer High Voltage Unit (HVU)
Anode current	10 mA to 250 mA	0.40 %	
Filament current	1 A to 10 A	0.40 %	
Anode frequency response	10 kHz to 170 kHz at 1000 V	1.0 %	
Cathode frequency response	10 kHz to 170 kHz at 1000 V	1.0 %	
Cathode kV	5 kV to 75 kV	0.40 %	
Anode kV	5 kV to 75 kV	0.40 %	
END			