


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p style="text-align: center;">0501</p> <p style="text-align: center;">Accredited to ISO/IEC 17025:2005</p>	<h3 style="margin: 0;">BAE Systems Marine Limited</h3> <p style="margin: 0;">Issue No: 012 Issue date: 05 July 2010</p>	
	<p>Nuclear Instrumentation Centre</p> <p>Instrumentation Development Services</p> <p>BAE SYSTEMS Submarines</p> <p>Building A29, 1st Floor,</p> <p>Barrow-in-Furness</p> <p>Cumbria</p> <p>LA14 1AF</p>	<p>Contact: Mr P Lindley</p> <p>Tel: +44 (0)1229-873820 - 875432 - 875024</p> <p>Fax: +44 (0)1229-875905</p> <p>E-Mail: calibration.lab@baesystems.com</p> <p>Website: www.baesystems.com</p>
<p>Calibration performed at the above address only</p>		

DETAIL OF ACCREDITATION

Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty (k = 2)	Remarks
NEUTRON MEASUREMENTS			
Neutron Fluence Rate	²⁴¹ Am/Be 2.18 cm ⁻² s ⁻¹ to 1400 cm ⁻² s ⁻¹	3.0 %	²⁵² Cf maximum fluence and dose rates based on reference date of 1 March 2010
	²⁵² Cf 7.2 cm ⁻² s ⁻¹ to 176,9 cm ⁻² s ⁻¹	3.0 %	
Ambient Dose Equivalent H*(10) Rate	²⁴¹ Am/Be 5 μSv h ⁻¹ to 2000 μSv h ⁻¹	8.5 %	
	²⁵² Cf 10 μSv h ⁻¹ to 245 μSv h ⁻¹	3.6 %	
NEUTRON INSTRUMENTS			
Radiological aspects only of:			
Statutory Tests of Neutron Radiation Protection Instruments including: Test Before First Use	To Type Test data and protocols based on GPG 14		
Personal dose equivalent H _p (10) rate	²⁴¹ Am/Be 224 μSv h ⁻¹	10 %	Measurements are made at a distance of 75 cm from the centre of the source to the centre of the front face of the phantom
END			