

**PERSON SPECIFICATION**

**Assessment for recruitment requirements and competencies**

**JOB TITLE:** Band 4 SENIOR SOFTWARE SYSTEMS ENGINEER

**DIVISION/DEPARTMENT:** Technical Division

**LINE MANAGER:** Head of Beamline Controls

		SPECIFY ESSENTIAL(E) DESIRABLE (D)
SKILLS/ABILITIES	Demonstrate ability to communicate effectively, both orally and written. Ability to solve technical problems, evaluating alternative courses of action and innovating where necessary. Demonstrate self-motivation and a willingness to take responsibility. Demonstrate ability to work as part of a team. Demonstrate ability to work effectively alone and without direct supervision Demonstrate an understanding of staff supervision Demonstrate an understanding of project planning and management	E E E E E E E

KNOWLEDGE AND EXPERIENCE	<p>Significant experience in the software design and/or programming of industrial or scientific systems.</p> <p>Knowledge and experience in programming in C.</p> <p>Experience in developing software in a real time distributed control environment.</p> <p>Knowledge and experience of developing in a Unix environment</p> <p>Knowledge and experience of developing with a source code control and structured release environment.</p> <p>Experience of using software testing and debugging tools effectively and developing automated test harnesses.</p> <p>Knowledge and experience of VME or embedded systems.</p> <p>Knowledge and experience of Linux on PC's.</p> <p>Knowledge and experience with Scripting Languages.</p> <p>Knowledge of Motion control.</p> <p>Knowledge of networking.</p> <p>Knowledge of VxWorks.</p> <p>Knowledge and experience in programming in Java.</p> <p>Knowledge and experience of EPICS (I)</p>	<p>E</p> <p>E</p> <p>E</p> <p>E</p> <p>E</p> <p>E</p> <p>D</p> <p>D</p> <p>D</p> <p>D</p> <p>D</p> <p>D</p> <p>D</p> <p>E</p>
PROFESSIONAL QUALIFICATION/ TRAINING	<p>Honours degree in physics, electronic engineering, computer science or equivalent other degree</p>	<p>E</p>
*Where a job requirement		
COMPETENCIES	<p>Be willing to work overtime at unsociable hours as required.</p> <p>Be willing to travel in the UK and abroad, including occasional periods away from home.</p> <p>Be prepared to undertake further training.</p> <p>Ability to work in restricted or confined spaces</p>	
-TECHNICAL		
-PROFESSIONAL		
-MANAGEMENT		
-OTHER		