PERSON SPECIFICATION
Assessment for recruitment requirements and competencies

JOB TITLE: Band 5 SOFTWARE SYSTEMS ENGINEER
DIVISION/DEPARTMENT: Technical Division
LINE MANAGER: Senior Software Systems Engineer

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

KNOWLEDGE AND EXPERIENCE	Relevant experience in the software design and/or programming of industrial or scientific systems.	E	
	Knowledge and experience in programming in C.	E	
	Experience in developing software in a real time distributed control environment.	E	
	Knowledge and experience of developing in a Unix environment	E	
	Knowledge and experience of developing with a source code control and structured release environment.	E	
	Experience of using software testing and debugging tools effectively and developing automated test harnesses.	E	
	Knowledge and experience of working with motion systems	D	
	Knowledge and experience of embedded systems.	D	
	Knowledge and experience of Linux on PC's.	D	
	Knowledge and experience with Scripting Languages.	D	
	Knowledge of Motion control.	D	
	Knowledge of networking.	D	
	Knowledge and experience in programming in Java.	D	
PROFESSIONAL QUALIFICATION/ TRAINING ***Where a job requirement**	Honours degree in Physics, Electronic Engineering, Computer Science or equivalent other degree + relevant experience	E	
COMPETENCIES -TECHNICAL -PROFESSIONAL -MANAGEMENT -OTHER	Be willing to work overtime at unsociable hours as required. Be willing to travel in the UK and abroad, including occasional periods away from home. Be prepared to undertake further training.		