

Job Title	Testing & Standards Engineer
Department	R&D, Elcometer UK
Location	Edge Lane, Manchester
Reporting to	Product Development Manager - Sustaining
Responsible for:	No direct reports.
Contacts with	Test and Support Engineer and Support and Improvement Engineer, Product Development Managers, Design Engineers and Production Engineers.
Main Job Purpose	<p>Conducting internal/external compliance testing and liaising with third party test houses. Perform software and product validation testing.</p> <ul style="list-style-type: none"> • Ensure that new products in development comply with current international regulations. • Review existing products to ensure continued compliance. • Keep up to date with the state of the art, in regards to compliance. • Advise new product development teams on best practices to ensure new products pass certification tests promptly. • Provide estimates of compliance engineering effort to assist in planning project activities. • Perform assessment on existing products to standards. • Perform validation testing on software. • Contribute towards product performance tests. • Answering support issues from internal quality and internal technical support departments, in regards to compliance issues.
Main Responsibilities and Duties	<p>New Product Development Activities</p> <ul style="list-style-type: none"> • Assist in compliance requirements; obtain quotes and timing estimates from external test houses. • Fill in and submit the correct documentation for (bluetooth) radio applications. • Coordinate with project teams to organise and schedule test samples to be shipped to external test houses. • Co-ordinate and pull together the required information for TCF, liaising with the Project Development Manager. • Create new declarations of conformity. • Advise on the correct legislation and wording to be placed inside instruction manuals. <p>Existing Product Activities</p> <ul style="list-style-type: none"> • Perform compliance assessments on existing products, which may be affected by a change in legislation. • Report any deviations with regard to existing products and new legislation. • Update manager with requirements to bring any deviations back into line. • Contribute towards and help drive through existing product updates. • Update existing declarations of conformity. • Build up a good working relationship with both internal and external customers. • Contribute to test work required for quality improvement activities. <p>Assisting in Validation Testing of Software</p> <ul style="list-style-type: none"> • Use software test plans to prove new designs comply with development specifications. • Report any anomalies in Jira, in a clear, easy to reproduce manor. • Able to operate internal electromagnetic compatibility testing equipment (RFI immunity and emissions, ESD, etc.) from time to time. • Write up any internal tests, which have been performed into a test report.

PERSON SPECIFICATION

	Essential	Desirable
Qualifications/Education & Training	Minimum of HNC or equivalent experience in an engineering discipline.	
Experience	Experience in regulatory requirements (LVD, EMC, RED, FCC, ROHS, WEEE)	Experience in regulatory requirements (FCC, Japanese Radio, Canadian (IC), Australian (ACMA))
Skills & Competencies	<p>Solid understanding of legislation.</p> <p>Strong analytical and problem solving skills.</p> <p>Has a desire to do things better and more efficiently.</p> <p>Willing to promote change.</p> <p>Keen to learn about and to adapt to new ideas.</p> <p>Good communication skills.</p> <p>Methodical and careful approach.</p> <p>IT Literate – Word, Excel, Data Entry. (Attention to detail is essential.)</p> <p>Good organisational skills.</p>	
Personal Attributes	<p>Highly driven and self-motivated.</p> <p>Able to show initiative and adapt quickly to new requirements.</p> <p>Able to work as part of a goal orientated project team.</p> <p>Well organised and methodical.</p> <p>Well presented with a positive, proactive and professional approach.</p> <p>Hands on approach.</p> <p>Strong practical skills.</p>	
Other	Live within commutable distance of Manchester (up to 1 hour).	