

Test Engineer (1-Year Contract)	Toronto, Canada
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Responsibilities

Test Function

- Work closely with Product Development Group to specify design for test requirements.
- Define test requirements and ensure traceability to specifications.
- Develop product test plans, design test cases, conduct required tests, and write QA test reports.
- Validate and perform qualification testing on new products.
- Establish software validation plans for each product release.
- Perform qualitative and quantitative tests to determine properties, characteristics, and performance of circuits, mechanisms, assemblies and test units.
- Design, specify and implement test equipment, test fixtures and test software as it applies to board- and system-level testing.
- Train manufacturing test engineers and technicians as required.

Compliance Function

- Understand and interpret the relevance of product legislation and regulations in different regions around the world and apply this knowledge to the development of new products.
- Assist product development with implementation of safety, CSA, FCC, CE and other applicable requirements, as well as testing for new and/or modified designs.
- Maintain relationships with compliance and certificate tests agencies. Ensure all new requirements are up to date within the company.
- Organize and maintain all test records and compliance certifications of company products.
- Conduct electromagnetic compatibility, product safety and environmental testing at outside test labs as required.
- Maintain environmental, regulatory and compliance documents and processes, and make sure they are organized, easily accessible and up to date.

Documentation Function

- Create documentation tree for products/projects.
- Ensure that documentation is organized in clear and logical format.
- Audit documentation to ensure it is sufficient for consecutive builds and/or transfer to production.

Qualifications

- BSEE preferred, with minimum 3 years experience designing and implementing test processes
- Experience with test automation using test automation software
- Strong familiarity with the use of test equipment
- Good communication and strong writing skills

If you are interested in applying for this position, please send your resumé to resume@optech.com.