Electronics Test Application Specialist, Manufacturing (Contract ï 2 Openings)

JOB SUMMARY:

Validate conformance to product specifications and analyze systems using production test procedures and equipment. Develop and implement test procedures, equipment preventative maintenance and CAPEX plans in conjunction with Engineering and Process Specialists. Provide analytical details on product issues identified during test procedures, including root cause analysis and suggested improvement plans.

RESPONSIBILITIES:

- Develop and verify written test procedures with support of Engineering to ensure compliance with customer requirements
- Execution of all test procedures on product in accordance with approved documentation
- Identification and analysis of circuit board and unit faults/defects
- Perform Environmental Stress Screening per test procedures and support Engineering qualification testing
- Troubleshooting of printed circuit board and assembly failures to determine cause of failures
- Validation of drawing and schematic integrity, including submission of recommendations for documentation +/or process corrections through interface with Engineering, Process Specialists and Program Management
- Complete and maintain test logs, fault vs. solution database for trouble shooting
- Develop and maintain Total Productive Maintenance (TPM) procedures based on analysis of maintenance log information and equipment manufacturer recommendations
- Fabrication, maintenance, repair and calibration of test sets and peripheral equipment in accordance with written procedures
- Perform root cause analysis and implement corrective actions using various analytical tools such as 8D, 5Y, PDCA, etc.
- Investigate equipment requirements, recommend capital acquisitions for replacement, prepare expenditure requests, assist Procurement with sourcing, and create of CAPEX documentation in support of proposal(s)
- Assist Quality Assurance with the collection and preparation of product test yield data
- Create and issue internal documentation to facilitate rework/repair of failed assemblies
- Create and issue detailed non-conformance reports for products failing test
- Work with Process team to identify Manufacturing process improvement opportunities
- Prepare responses to internal CARôs (Corrective Action Requests) stemming from internal process audits Responses include 5Y analysis of audit finding and CAR Evaluations. Follow through to closure by ensuring actions taken are effective and sustained
- Provide first aid support and functional direction to shop floor personnel on afternoon shift
- Responsible to ensure building is secure at end of 2nd shift or after accessing on weekend/overtime

NOTE: this role requires day / afternoon shift rotation

QUALIFICATIONS:

- Post Secondary Degree/Diploma in Industrial Engineering, Electronics Engineering or equivalent
- Minimum 5 years of progressive leadership experience in manufacturing, ideally in electronics or aerospace environment
- Excellent interpersonal, communication, organizational, computer, coaching and facilitation skills
- An innovative ïtake chargeôattitude coupled with solid decision making, leadership and a desire to utilize professional knowledge and share ideas
- Self confident, results orientated individual with excellent technical skills
- Good Excel, Word and E-Mail/Internet skills
- Root Cause/Analytical skills, including experience with Pareto, 8D and 5-Why methodology

This description reflects the general duties of the position but is not a detailed description of all duties which the successful applicant may be asked to perform.