

Requisition #: 10-07
Location: Meggitt Safety Systems, Simi Valley
Department: Systems Engineering
Date: March 5, 2010

Job/Position Classification
SYSTEMS ENGINEER, V&V

Level of Security Clearance Required: N/A

Specific Work Duties/Essential Functions:

Responsibilities include: regression analysis, estimation for verification effort and verification planning, developing and reviewing test cases and test procedures of system/software requirements, performing and coordinating dry runs, resolution and disposition of structural coverage holes, formal test execution, test results reviews, and supporting certification authority (i.e., FAA) audits. The candidate should be prepared to lead a team of engineers responsible for validation and verification activities, coordinate issue/problem resolution, interface with an offsite team, interface with the development team, generate problem reports, documentation, and status the verification team's progress. Individual will also provide technical guidance to team members when needed. Perform other related duties as assigned.

Academic Requirements:

Bachelor's degree in Computer Science, Electrical Engineering or related science.

Specific Skills and/or Experience Requirements:

A minimum of 7 years of experience is required in the validation and verification of commercial and military systems with special emphasis in embedded real-time, safety-critical airborne applications. Strong presentation skills, leadership qualities and the ability to work well with the development/design team members are necessary. Desired applicant will have strong written, oral and interpersonal skills, as well as be able to act in a team lead role. Successful candidate will demonstrate a strong knowledge of testing methodologies as it relates to the verification of requirements at the system, hardware and software levels. Candidate should be able to analyze system requirements for testability, write test cases and test procedures to verify requirements and successfully execute them in a black/grey box environment. Additional skills include the writing of checklists, tool qualification plans and process instructions confirming to industry and company standards. Candidate will demonstrate knowledge of all development activities (i.e., requirements, design, implementation, testing, maintenance, configuration management and quality control) as it relates to the guidelines published in RTCA/DO-178B, RTCA/DO-254 and SAE ARP 4754. Successful candidate should also have knowledge of ARINC and CAN data buses. Knowledge of the C/C++ and/or visual programming language, microcontrollers, embedded operating systems is a must. Knowledge of test equipment, i.e., oscilloscopes, meters, analyzers, and a familiarity with reading schematics is needed. Familiarity with automated testing using a tool like National Instruments LabVIEW is a plus.

Essential Physical/Mental Abilities Required: Normal vision or correction to 20/20 including color vision. Must be able to lift up to 25 lbs. Ability to conform to company safety policies and procedures.

MEGGITT SAFETY SYSTEMS, INC. (MSSI) HAS EXPORT CONTROL AND SECURITY ISSUES THAT REQUIRE ATTENTION TO THE CITIZENSHIP STATUS OF EVERY INDIVIDUAL WHO PERFORMS WORK ON ITS BEHALF. ALL JOBS AT MSSI REQUIRE THE EMPLOYEE TO EITHER BE A UNITED STATES CITIZEN, PERMANENT RESIDENT OF THE UNITED STATES, AN ASYLEE, OR A REFUGEE.

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Qualified interested candidates should present their resume or application to/or contact: Human Resources e-mail: MSSI-HR@meggitt.com