

Software Quality: Associate Principal Software Quality Engineer

Develops, modifies, applies, and maintains standards for software quality operating methods, processes, systems and procedures. Conducts software inspection, testing, verification and validation. Implements software development and maintenance processes and methods. Ensures measures meet acceptable reliability standards. Develops overall operating criteria to ensure implementation of the software quality program according to project, process and contract requirements and objectives. Ensures that project and process control documentation are compliant with requirements, objectives and/or contract. Reviews software design, change specifications, and plans against contractual and/or process requirements. Reviews include applicable specifications, materials, tools, techniques, and methodologies. Performs or directs verification of software requirement allocations, traceability, and testability.

Discretion/Latitude

Work is performed without appreciable direction. Exercises considerable latitude in determining technical objectives of assignment. Completed work is reviewed from a relatively long-term perspective for desired results.

Knowledge, Skills and Abilities

Applies extensive technical expertise, and has full knowledge of other related disciplines. Answers technical questions regarding products and services, and may take part in putting together proposals, configurations, and product offerings.

Problem Solving

Develop technical solutions to complex problems that require the regular use of ingenuity and creativity.

Impact

Regularly called upon to function in a project leadership role. Erroneous decisions or recommendations would typically result in failure to achieve major organization objectives.

Liaison

Represents the organization as the prime technical contact on contracts and projects. Interacts with senior external personnel on significant technical matters often requiring coordination between organizations.

Minimum Education and Experience

10-12+ years with BS in designated Engineering or related field. Employees usually have advanced degree in field of specialization.