



david consulting group



SOFTWARE QUALITY ASSURANCE

Is your organization involved in quality detection (quality control) or quality prevention (quality assurance)?

Who ensures quality in your organization? Does your testing department assume the label of Quality Assurance? Are they preventing defects in the software product, or finding them? Defect detection through testing is a quality control activity. Preventing defects through quality practices is a quality assurance activity.

Software Quality Assurance (SQA) is a **critical** component in the Software Engineering Institute (SEI) Capability Maturity Model (CMMI)®. This component requires monitoring of the methods and standards of the software organization and management insight into quality practices. SQA focuses on improvement of the quality of products and the performance of support activities throughout the life cycle.

If your software organization has more than 12 people, SQA tasks should be assigned to ensure that quality is applied throughout all development and maintenance activities. The SQA role can be incorporated into different organizational structures. **The David Consulting Group (DCG)** has a team of qualified consultants who will work within your existing structure to make SQA more effective, or we can assist you in developing your SQA activities.

If you need assistance in getting started and in obtaining **qualified personnel** for these important activities, DCG can provide job descriptions and assist in interviewing applicants to fill positions with the right candidates. We can provide initial training to jump-start your newly hired SQA personnel and provide overall management of the SQA function within your organization.

Most importantly, DCG can **establish the foundation** for your SQA activities. We analyze gaps and ensure that your SQA personnel operate at peak efficiency. We advance our client's ability to support software development and maintenance personnel in improving all software quality activities.

DCG consultants will **actively mentor** your SQA staff in establishing quality plans, working with project teams to ensure that their project activities are conducted in accordance with the quality plan and verifying that all project activities of the project comply with the development plan and any designated standards and procedures. DCG verifies that work products comply with the software standards, procedures and requirements, whether the work products are internally developed or are delivered by a third party service provider.

We can recommend **effective plans, policies and procedures** and train senior managers in their important sponsorship and support role. DCG prepares organizations through awareness training on software quality and the importance of quality throughout the lifecycle. Our **hands-on, interactive** training classes (e.g., Reviews and Inspections) provide a learning lab for immediate experience. Our recommended rollout to the organization ensures acceptance and usage and promotes a higher quality deliverable after the initial inspection. Our quality audits follow industry practices for compliance, reporting and feedback. DCG will highlight areas for improvement, develop process improvement action plans and assist in their implementation.

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DCG consultants can guide and train your organization in implementing a successful SQA program. We'll lay the **groundwork** for your organization so that you can support a program that includes Reviews & Inspections, Training, Quality Metrics Reporting and Quality Audits.

If you want to know more on how DCG can assist you in implementing software quality assurance, contact us at 610.644.2856 or send inquiry e-mail to info@davidconsultinggroup.com

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