

## **My Understanding of SQA**

After reading the first three chapters of "Software Quality Engineering" and referring to relevant material on the Internet, I have some understanding of Software Quality Assurance. In my opinion, the definition of SQA taken from Software Definitions at NASA is more precise. It goes something like this: the function of software quality that assures that the standards, processes, and procedures are appropriate for the project and are correctly implemented. In Wikipedia, we can get a more concrete and accessible explanation of SQA. Software quality assurance consists of a means of monitoring the software engineering processes and methods used to ensure quality. The methods by which this is accomplished are many and varied, and may include ensuring conformance to one or more standards, such as ISO 9000 or a model such as CMMI.

In other words, the aim of SQA is to manage the quality of software and of its development process, and make software process visible for administrators. Through the establishment of a planned, systematic method, to assured the management that the standard, step, practice and method can correctly be used by all project. By reviewing and auditing software products and activities, to verify software is up to standard. Always software quality assurance group participate in the establishment of plans, standards and procedures at the beginning of the project. These will produce high quality software product which meets its requirements and satisfies the users.