

## **SOFTWARE ENGINEERING CONSULTANTS, INC.**

### **WHO WE ARE**

Software Engineering Consultants, Inc., (SECI) is an internationally recognized firm that provides consulting and training in software engineering.

Dr. Emanuel R. Baker is the President of SECI. Dr. Baker has more than 20 years of technical and managerial experience in software development with specific emphasis on software process assessments, software systems engineering, software configuration management, software quality assurance, software test, and software standards and procedures development. He has written papers and conducted public seminars in the U.S. and overseas on the topics of TQM, software engineering, software quality, and software process assessments. He has served as a panelist discussing software quality issues at numerous conferences and workshops sponsored by professional societies and Government agencies. Dr. Baker is a member of the Software Engineering Institute's (SEI) Capability Maturity Model (CMM) Correspondence Group, as well as a member of the Steering Committee of the Los Angeles Software Process Improvement Network (SPIN).

In addition to Dr. Baker, SECI has a network of consultants available who specialize in software process assessments, system architecture, software requirements engineering, project management, software testing, and other allied fields.

### **WHAT WE DO**

SECI helps its clients solve specific problems pertaining to the day-to-day management of their software development activities. SECI:

- Helps clients define and establish the methodologies and practices to be used for developing and maintaining software.
- Performs software process assessments of client's software development and maintenance processes to assess overall capabilities to produce quality software. (SECI principals

are authorized to perform assessments by the Software Engineering Institute).

- Develops policies and standards (tailored to the unique characteristics of the client's software development environment) for performing software development, configuration management, quality assurance, test, and documentation. SECI trains in the implementation of the policies and standards that have been developed for our clients.
- Performs training in various technical aspects of software engineering, as well as in software development management.
- Evaluates client software quality assurance (SQA) and software configuration management (SCM) capabilities. Recommends, defines, and implements SQA and SCM programs for clients.
- Performs systems architectural, networking, and software systems engineering studies and analyses.
- Performs Independent Verification and Validation (IV&V) tasks.
- Performs independent testing services.
- Performs specified software systems engineering tasks under contract.

### **HOW WE CAN HELP**

Enclosed are some fact sheets that describe work that has been done by SECI consultants. The fact sheets describe the general nature of work done in several specialty fields and describe how the results may be applied to your unique situation. The fact sheets are not a comprehensive listing of all the capabilities available from SECI, but are a sampling of those that may be applicable to your specific situation. If you would like any additional information about what we do, please call Dr. Baker at (310) 278-7241, or fax him at (310) 550-1992.