

Software Process Improvement Program
703/285-6589 (DSN 356), FAX 703/285-6594

Products & Services

6 April 1994

The Software Process Improvement (SPI) Program, located in the Defense Information Systems Agency's Center for Information Management, is the Executive Agent for Software Process Improvement in DoD. The mission is to assist and energize information technology organizations to continuously improve the performance and quality of their software processes, products, and services. The mission is supported by the following products and services developed based on the frameworks of the Software Engineering Institute's (SEI) Software Process Assessment methodology and Capability Maturity Model (CMM).

SPI Readiness Assessment: A two-day on-site review of an organization indicating its "readiness" to sustain long-term process improvement. The assessment focuses on change-related factors including sponsorship, past implementation history, organizational culture, and communications. Cost \$3,000.

Software Process Assessment (SPA): An internal review of the processes in place used to develop software. The review is based on the CMM. SEI-trained/authorized leaders coach the team. The assessment includes an executive briefing, team training, assessment participants briefing, on-site period (the assessment), findings report, and SPI action planning. Cost \$20,000.

QUICKSTART™: A review of the processes in place used to develop software, developed by DEC for use in organizations smaller than 75 people for which the SEI SPA may not be appropriate. QUICKSTART™ includes SPI awareness training; selected interviews; a workshop consisting of SEI TR23-87 Questionnaire Response Analysis, development of "as is" and "to be" process statements, and creation of SPI Action Plan framework; and recommendations briefing. Cost TBD.

Baseline Survey: A Baseline Survey (BLS) is a 5-day review of the processes used to develop or maintain software. It was developed in-house for use in organizations smaller than 75 people for which the SEI SPA may not be appropriate. It is based on selected interviews with key personnel. On the final day there is an outbriefing to senior management. The final deliverable is a comprehensive report with recommendations for improvement about 1 month later. Cost reimbursement of TDY of 2 personnel.

Capability Maturity Model (CMM) Training: A two-day course for managers and three-day class for practitioners offered by Pragma, Inc. through the CIM SETA vendor EDS. The course focuses on the structure and content of the CMM with major emphasis on levels two and three. Cost \$16,000.

Software Quality Assurance Guidelines/Training: SQA Guidelines were developed in two workshops involving 16 customer sites. The SQA Guidelines will be taught in SQA Training provided to participating organizations at six host sites in CONUS. Cost \$9,000.

Software Process Modeling: In a series of workshops, six sites are creating a generic IDEF-0 activity model of the software process, then tailoring the generic model for each participating site. The generic model will be available to all sites June 1994 at no cost.

Consulting on Developing SPI Implementation Plans: Available after a SPA or in conjunction with Software Process Modeling (tailoring the generic model) to help the organization focus improvement efforts. Cost \$16,000 per site.

Formal Inspection Training: A one-day workshop on how to inspect software work products to improve product quality. Cost reimbursement of TDY.

Accelerating Change Workshops: A one-day workshop for managers and three-day workshop for practitioners concentrate on five factors that affect or inhibit organizational change and teach sponsors and change agents how to manage the inherent resistance to change. The workshops focus on SPI related changes. Cost \$8,000 for materials and TDY.

[Prices subject to change without notice.]