

## **Team Software Process: Software Engineering Institute**

[www.sei.cmu.edu/tsp](http://www.sei.cmu.edu/tsp)

To have a high-performance software organization you must have high-performance teams, staffed with high-performance software engineers. The Personal Software Process<sup>SM</sup> (PSP<sup>SM</sup>) and the Team Software Process<sup>SM</sup> (TSP<sup>SM</sup>) provide a road map for organizations and individuals to follow on the road to high performance. The TSP provides specific guidance about how PSP-trained engineers can work as effective team members on a high-performance team. The PSP provides specific guidance on how individual engineers can continually improve their performance.

## **Software Productivity Consortium**

[www.software.org](http://www.software.org)

The Software Productivity Consortium provides reduced-to-practice technology for the development of systems and software, and is a vehicle for members and affiliates to adopt, implement, and improve their processes, methods, and technologies for developing software-intensive systems. Its structure as a consortium fosters a collaboration to leverage pooled resources among members, share lessons-learned, and develop targeted technologies that meet fundamental and common needs of all members, and are experienced with a multitude of process and framework models.

## **Earned Value Basics**

[www.acq.osd.mil/pm/evbasics.htm](http://www.acq.osd.mil/pm/evbasics.htm)

Earned value is a management technique that relates resource planning to schedules and to technical cost and schedule requirements. All work is planned, budgeted, and scheduled in time-phased “planned value” increments constituting a cost and schedule measurement baseline. There are two major objectives of an earned value system: to encourage contractors to use effective internal cost and schedule management control systems, and to permit the customer to be able to rely on timely data produced by those systems for determining product-oriented contract status. The benefits to project management of the earned value approach come from the disciplined planning conducted and the availability of metrics, which show real variances from plan in order to generate necessary corrective actions.

## **Software Technology Support Center**

[www.stsc.hill.af.mil](http://www.stsc.hill.af.mil)

The Software Technology Support Center is an Air Force organization established to help other U.S. government organizations identify, evaluate, and adopt technologies to improve the quality of their software products, efficiency in producing them, and their ability to accurately predict the cost and schedule of their delivery.