Combining proven technologies often brings new opportunities and improvements in performance. This panel will explore the benefits and synergy that organizations that have implemented both CMMI and PSP/TSP have experienced. Traditionally CMMI and PSP/TSP have been considered separate technologies. Organizations that have implemented both report a different experience. Come hear how commercial and government organizations have improved productivity and quality while accelerating the time and minimizing the cost of CMMI capability.

Many in the systems development community believe we are ready for the next evolution in process. Combining proven technologies often brings new opportunities and improvements in performance. This panel will describe the actual experiences of four organizations as they have implemented CMMI and TSP/PSP. The US Naval Air Systems Command develops, acquires and supports the aircraft and related weapons systems used by the U.S. Navy and Marine Corps. While NAVAIR has sites across the country the two organizations whose experience will be presented are the P3-C organization at the Naval Air Station Patuxent River Maryland and the AV-8 organization at China Lake, California. Two U.S. Naval Air Systems Command (NAVAIR) organizations will describe how they combined TSP/PSP with CMM to progress from Maturity level 1 to Maturity Level 4 in 30 months. This is less than half the average time reported to the SEI by organizations making similar maturity level progressions. In addition to making substantial progress in CMM maturity levels these NAVAIR divisions achieved exceptional business results.

Electronic Data Systems is a global multi-billion dollar IT outsourcing leader. EDS was the first to establish IT outsourcing as a viable business strategy. The CMMI has become an expected quality credential in many markets. In 2007, EDS determined that PSP/TSP could significantly improve productivity and began planning for pilots in 2008. EDS is a long time CMMI user, and is integrating PSP/TSP into standard global process that already incorporate CMMI. While CMMI has significant impact on Project Management and Organizational Process Management, PSP/TSP is directly targeted at individuals and teams. PSP/TSP operationalizes CMMI at the developer level. By integrating CMMI and PSP/TSP activities, EDS will accelerate CMMI maturity, leading to performance improvements and a competitive advantage.

The 309th Software Maintenance Group is a large organization of nearly 800 employees, primarily electrical engineers and computer scientists. The group is comprised of five squadrons each with a different focus or product line. TaskView, a project in one of the squadrons, was one of the original SEI focus projects for TSP in 1998. The Ground Theater Air Control System (GTACS) project in another squadron has been using the TSP since 2001 and has achieved a fourfold increase in productivity and has released nearly zero defects. Additionally, the Expeditionary Fighting Vehicle (EFV) project in support of vehicle software, started out four years ago using the TSP; it has been so successful that TSP is now demanded by the United States Marine Corps customer. The 309th was assessed a Software CMM Level 5 in 1998; in July 2006 the 309th was appraised at CMMI Level 5. TaskView was a focus project for the SW-CMM assessment; GTACS was a focus project for the 2006 assessment; and EFV is a focus project for the upcoming CMMI assessment in 2010. Because of this experience, 309th has learned how to successfully combine TSP/PSP with the CMMI to achieve exceptional results. In order to do so, they have adapted from and added to the
TSP scripts, measures and forms, in way that can help others to be successful.

Advanced Information Services (AIS), Girish Seshagiri founded Advanced Information Services Inc. (AIS) in 1986. The AIS Development Group provides custom software development for client/server, internet/intranet, e-business, legacy modernization and embedded applications for government and commercial organizations. AIS was among the first industrial organizations to pilot the PSP. Through the seamless integration of TSP/PSP and CMMI, AIS has matured to become a team of software professionals who use continuously optimized processes and appropriate technologies to meet its customer needs. AIS project teams use AIS's defined and measurable processes to manage the project. AIS managed projects are staffed with Personal Software Process (PSP) trained software engineers who use disciplined methods to plan, track and improve the quality of their own work. The teams work closely with the customer to deliver total solutions beginning with concept exploration or requirements through to installation of the system. The impact of TSP/PSP on AIS's organizational maturity became evident in December 2007, when an SEI-authorized external high maturity lead appraiser conducted SCAMPI-A and pronounced AIS a CMMI Level 5 organization.