

*Practical Software Measurement*

## **Practical Software Measurement**

A foundation for objective project management



### **PSM Workshops**

Office of the Under Secretary of Defense  
Acquisition and Technology

Joint Logistics Commanders  
Joint Group on Systems Engineering

PSM 1

23 Jul 98

*Practical Software Measurement*

## **Workshop: Measurement and Software Process Improvement**

PSM 2

23 Jul 98

## *Practical Software Measurement*

### **Objectives of the Workshop**

- Clarify the Role of Measurement in Software Process Improvement (SPI)
- Identify Obstacles to Measurement in SPI
- Make Recommendations for Implementation of Measurement in SPI
- Generate Issue-Category-Measure Structure for SPI

PSM 3

23 Jul 98

## *Practical Software Measurement*

### **Workshop Background**

- PSM History in this Area
  - Companion to the PSM Guidebook Published by SEI
  - Rapid Growth of Interest in this Topic (FAA ICMM, Consulting with Industry re: SW-CMM)
- Where We're Heading
  - Use PSM to Accelerate Process Improvement

PSM 4

23 Jul 98

*Practical Software Measurement*

## Workshop Background

- Issues, Questions, and Topics
  - Measurement Issues for SPI: Compliance, Efficiency, Effectiveness, Stability, Capability, Improvement

PSM 5

23 Jul 98

*Practical Software Measurement*

## Workshop Format

- Agenda
  - Introduction
  - Role of Measurement in SPI
  - Breakout Groups
  - Lunch
  - Status Report
  - Breakout Groups
  - Briefing by Breakout Groups
  - Wrap-up

PSM 6

23 Jul 98

## *Practical Software Measurement*

### **Intended Audience**

- Anyone with an Active Interest in Process Improvement (not Limited to Software)
  - Managers
  - SEPG Members
  - Measurement Personnel

PSM 7

23 Jul 98

## *Practical Software Measurement*

### **Intended Output**

- SPI Issues List
- SPI Measurement Obstacles List
- Beginning of SPI I-C-M Mapping

PSM 8

23 Jul 98