

***Practical Software Measurement***

**Software Product  
Engineering Workshop**



*Office of the Under Secretary of Defense  
Acquisition and Technology*

*Joint Logistics Commanders  
Joint Group on Systems Engineering*

*International Council On Systems  
Engineering (INCOSE)*

PSM 1

23 Jul 98

***Practical Software Measurement***

**Objectives of the Workshop**

- ***Review SPE Work to Date***
- ***Develop Plan for Going Forward***
- ***Identify Significant Obstacles or Issues***

PSM 2

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***Workshop Format***

- ***Planning not Discussion***
- ***Agenda***
  - ***Review Recommendations***
  - ***Select Development Approach***
  - ***Identify Tasks***
  - ***Develop Schedule***
  - ***Estimate Resources***
  - ***Identify Obstacles and Issues***
  - ***Document Results***

PSM 3

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***Intended Audience***

- ***Previous participants who want to continue with the detailed planning***
- ***Other interested parties with a background in this area***

PSM 4

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***Intended Output***

- ***Assessment of Existing Material***
- ***SPE Development Plan***
- ***List of Issues to Resolve***

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***SPE Background***

- ***August 1996 Roanoke Workshop***
- ***October 1996 Study Group Meeting***
- ***February 1997 Study Group Meeting***
- ***June 1997 SPE Study Group Meeting***
- ***July 1997 SPE Vail Workshop***
- ***July 1997 SPE Study Group Meeting***
- ***February 1998 PSM TWG Meeting -  
Recommendations Presented***

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## ***SPE Study Group Members***

- *Sean Arthur*
- *Will Brimberry*
- *Ed Dudash*
- *Fred Hall*
- *Ken Kelly*
- *Ron Larson*
- *Dick Nance*
- *Butch Neal*
- *Sharon Rhode*
- *Linda Rosenberg*
- *Lynn Simms*



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## ***Study Group Topics***

- *SPE Measurement Objectives*
- *SPE Definitions*
- *SPE Scope*
- *SPE Measurement Principles*
- *Issue Categorization*
- *Recommended SPE Products*
- *SPE PSM Framework Impacts*
- *Proposed SPE Activities*

PSM 8

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## **Practical Software Measurement**

### **SPE Impacts on PSM**

	<b>Occurrences</b>
• <i>SPE Principles</i>	5
• <i>SPE Issues/Categories/Questions</i>	8
• <i>Audience change from Manager to Customer</i>	6
• <i>Life Cycle change from Development to Development and Maintenance</i>	5
• <i>Expanded focus of Product examination to include life cycle artifacts</i>	1
• <i>Analysis to include</i>	6
– <i>assessment/prediction concepts</i>	
– <i>guidance as to what to do or NOT to do to impact product quality or functionality</i>	
• <i>Defined PSM processes and document updates need to include SPE</i>	
• <i>Links to &amp; Conflicts with SYS-ENGR</i>	5