INCOSE
INTERNATIONAL COUNCIL ON SYSTEMS ENGINEERING

Practical Systems Measurement (PSysM)

PSM

Systems Engineering Measurement 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)

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Workshop Objectives

- *Provide Background of the Practical Systems Measurement Project*

- *Review Selection Criteria of Common Issues, Categories, and Measures*

- *Review Current Candidates for Common Issues, Categories, and Measures*

- *Achieve Consensus on Terminology*

- *Review Draft Set of PSysM Measures*

- *Assess Current Plans for PSysM Guidance and Products*

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Practical Systems Measurement

- *<u>Objective</u> - Joint PSM-INCOSE Systems Engineering Measurement Products*
- *SE Products Based on Existing PSM Approach - Structure*
- *Foundation - PSM Derived Measurement Process With Specific SE Issues/Measures*
- *Link Systems and Software Analysis*
- *Joint Development - Implementation Team*
- *Phased Development Plan*

PSM 3

21 Jul 98

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PSysM Background

- *Kicked Off study group at PSM Users Conference in Vail (July 1997)*
  - *Strong support within workshop for this effort*

- *Met at INCOSE International Symposium in LA*
  - *Strong agreement with results of workshop*

- *First PSysM IPT meeting held at INCOSE Winter Workshop in Dallas (JAN 1998)*

- *Held IPT Meetings 31 MAR 1998 and 4 MAY at Lockheed Martin site in Reston, VA*
  - *Teleconferenced working session*

PSM 4

21 Jul 98

PSysM Status

- *Draft Project Plan Completed and Revisions Identified*

- *Preliminary set of Issues, Categories, and Measures derived and refined*

- *Draft set of Measures Defined for Review at 1998 PSM Users Group Conference*

- *Draft Guidebook Outline completed*

Workshop Agenda

- *8:30 - 9:15*   *Review Current PSysM Project Background and Goals*
- *9:15 - 10:00*   *I-C-M Criteria and Selection Review*
- *10:00 - 10:30*   *Break*
- *10:30 - 11:00*   *I-C-M Review (cont'd)*
- *11:00 - 11:30*   *Terminology Discussion (Life Cycle)*
- *11:30 - 1:00*   *Lunch*
- *1:00 - 1:30*   *Terminology Discussion (Measures)*
- *1:30 - 2:30*   *Small Group Break-out to Review Measures*
- *2:30 - 3:00*   *Break*
- *3:00 - 3:45*   *Small Group Break-out (cont'd)*
- *3:45 - 4:30*   *Group Reports*
- *4:30 - 5:00*   *Wrap-up*
- *7:00 - 9:00*   *Prepare Summary Briefing (Leads only)*

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Intended Audience

- *System Engineering Project and Technical Managers*

- *PSM Technical Working Group Members*

- *INCOSE Measurement Working Group Members*

- *PSM Users with System Responsibilities*

- *Other System Level Measurement Analysts*

Practical Software Measurement

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Intended Output

- *Agreed upon Terminology*

- *Refined Set of I-C-Ms*

- *Initial Reviewed Set of PSysM Measures*

- *Future Plans*