

*Practical Software and Systems Measurement*

# **Software Acquisition Process Improvement Program**



**15 July**

**PSM 7<sup>th</sup> Annual Users'  
Group Conference**

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## **Background**

- ***Section 804 of Defense Appropriations Bill required DoD to implement a program for acquisition process improvement and performance measurement***
- ***DoD Guidance added additional process areas and focus***
- ***Components (services and agencies) are drafting plans to implement their programs***

### ***Defense Appropriations Bill Requires:***

- ***A program to improve the software acquisition processes, that includes:***
  - ***Documented processes***
  - ***Efforts to develop appropriate metrics for performance measurement and acquisition process improvement***
  - ***A process to ensure appropriate training or experience***
  - ***A process to ensure adherence to processes and requirements***

# ***Acquisition Processes***

- ***Acquisition Planning \****
- ***Requirements Development and Management \****
- ***Configuration Management***
- ***Risk Management \****
- ***Project Management and Oversight \****
- ***Test and Evaluation***
- ***Integrated Team Management***
- ***Solicitation and Source Selection***

## ***Approach***

- ***DoD Software Intensive Systems Steering Group (SISSG) assigned responsibility for overseeing implementation of guidance***
- ***OUSD (AT&L) and OASD (NII) chair a SAPIP IIPT to provide guidance and a forum for sharing ideas and approaches***
- ***Components (services and agencies) responsible for development component programs and plans***

***Key Questions of DoD and Components (initial)***

- ***Does each component have a plan for continuous process improvement?***
- ***Is each component implementing the plan?***
- ***Does the plan address each of the acquisition areas?***

***Software Acquisition Process  
Improvement Program (SAPIP)  
Workshop***

## ***Objectives of the Workshop***

- ***Identify information needs and measures applicable to enterprise and organizational acquisition process improvement activities***
- ***(Acquisition Measurement workshop will address information needs and measures at the program level)***



## ***Workshop Format/Agenda***

- ***1/2 day***
- ***Discuss information needs related to information categories for each identified acquisition process***
- ***Discuss potential measures to address these information needs***

## ***Intended Output (workshop)***

- ***ICM Table for acquisition process improvement programs identifying common information needs, related questions, and potential measures***
- ***Outline for draft guidance***
- ***Sample Measurement Specifications (initial)***

## ***Intended Output (afterwards)***

- ***Updated ICM Table for acquisition process improvement programs identifying common information needs, related questions, and potential measures***
- ***Draft guidance (white paper)***
- ***Sample Measurement Specifications***