Practical Software and Systems Measurement

Objective Information for Decision Makers

Improving Software Maintenance & Sustainment Cost Estimation in Practice

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Improving Software Maintenance & Sustainment Cost Estimation in Practice

Premise

Better cost estimates will drive more efficient operational software resource allocations across the defined enterprise(s), eventually resulting in more effective mission performance

Objective

Brainstorming to identify practical approaches on how to make software sustainment and maintenance cost estimation as important as software acquisition cost estimation

Projected Outcome

Recommendations/idea for improving software sustainment and maintenance cost estimation policy and practice today and into the future

Agenda

- *SWS Cost Estimation Objectives*
  - *What Has Been Accomplished?*
  - *What is Coming?*
- *Why the Need for Cost Estimation Equality?*
- *What Needs to be Changed?*
- *Obstacles to Consider?*
- *Ideas on How to Gain Cost Estimation Equality?*

Workshop Background

- ***PSM history***
  - ***Software Maintenance Life Cycle Cost Estimation Model (2012)***
  - ***Transitioning Defense Software Maintenance/Sustainment to DevOps (2016)***
  - ***Improving Software Sustainment Cost Estimation: Addressing the Uncertainty, Risks, and Constraints in the Current Environment (2017)***
- ***Where we're heading***
- ***Issues, questions, and topics***

Intended Output

Ideas/recommendations on how to achieve Cost Estimation Equality, i.e., placing Development and Sustainment Cost Estimation on a level playing field