# Practical Software and Systems Measurement

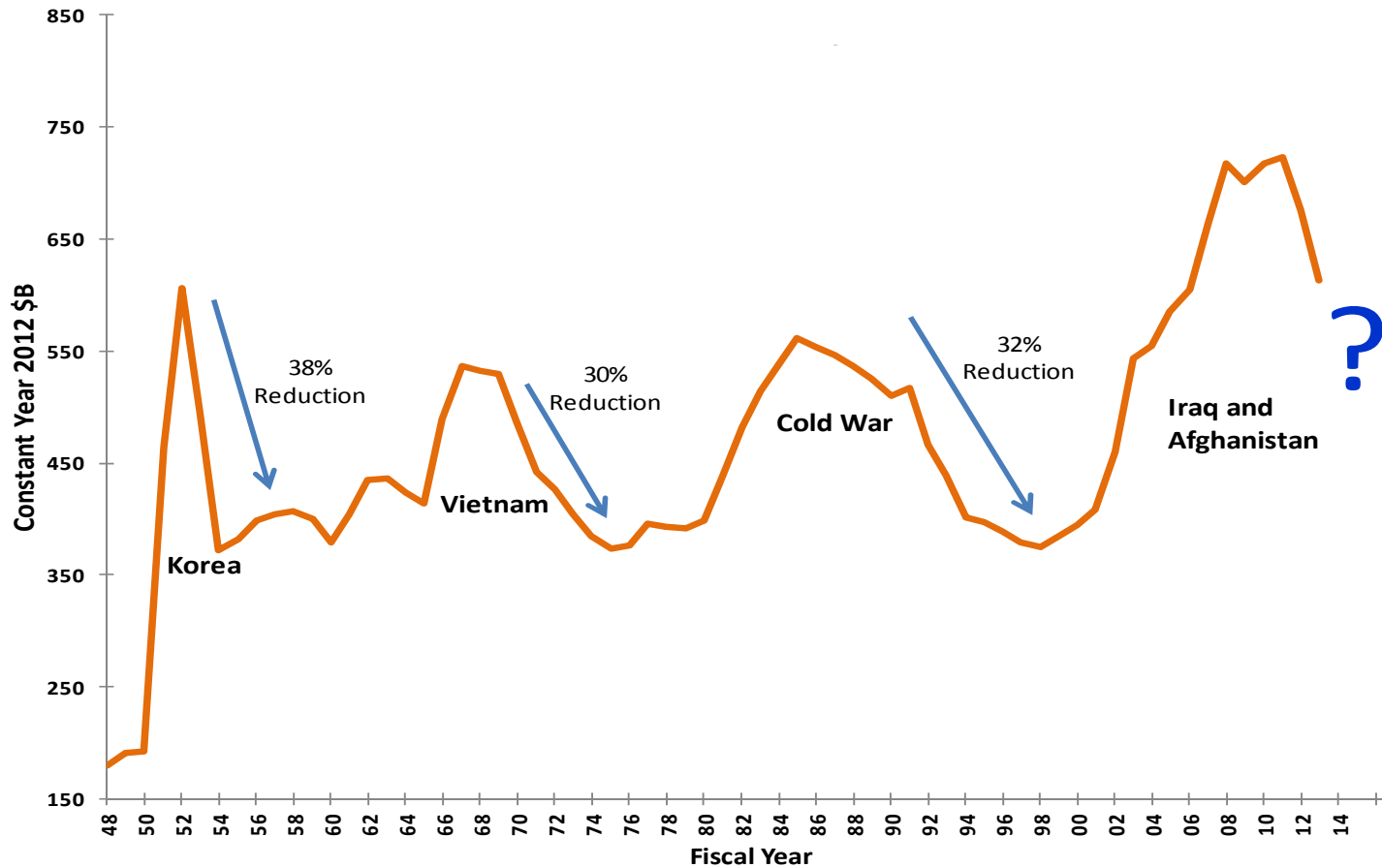## Objective Information for Decision Makers

**PSM Users' Group
Meetings and Workshops
Portsmouth, VA**

*30 July - 3 August, 2012*

# "Using Measurement to make Hard Choices in a Constrained Environment"

# DoD Historical Funding

# 2012 PSM Users' Group
# Meetings and Workshops

## Sponsored by the PSM Support Center and the International Council on Systems Engineering

# *Welcome*
# *and Introductions*

# Objectives

- **Users' Group Participants**
  - *User perspectives - share lessons learned*
  - *Discuss guidance for new areas*
  - *Information on related initiatives*

- **PSM Project Expectations**
  - *Technical Inputs in development of new guidance*
  - *Interaction with users - experiences using PSM*

# Logistics

- **Registration/Logistics in the lobby – see Kelly**

- **If you need to be reached during the meetings, (757) 673-3000**

- **Turn in evaluation forms and survey before leaving**
  - *In packet*
  - *There will be a drawing for a prize from those turning in the forms*

- **Receipts have been sent via email**

- **After Meeting**
  - *Presentations and Workshop Materials Available from PSM Web Site (www.psmsc.com)*

# Breaks and Meals

- **Breakfast Daily**

- **Lunch**
  - **Tuesday, Thursday**
  - **Wednesday - on your own**

- **Dinner - Wednesday, 1 August**
  - **Roger Brown's Sports Bar and Restaurant**
    - **6:00pm - Cash Bar**
    - **6:30pm - Dinner**
    - **Afterwards  - Awards**
  - **Spouses welcome - $40.00 (see Kelly to register)**

# Agenda

- **Tuesday, Wednesday, Thursday**
  - *Presentations, 0830 - 1230*
  - *Workshops, 1330 - 1700*

- **Friday**
  - *Presentations, 0830 - 0950*
  - *Workshop Outbriefs, 0950 – 1130*
  - *Wrap-Up, 1130 - 1215*

# *Workshops*

| Tuesday, 31 July | Wednesday, 1 August | Thursday, 2 August |
|---|---|---|
| **#1 - *Optimized Project Life Cycle Cost and Performance in an Era of Constrained Budgets***<br><br>***Denton Tarbet*** | **#4 – Software Life Cycle Maintenance Cost Estimation Model**<br><br>**Jack McGarry**<br>**Robert Charette** | **#7 - Software Maintenance Cost Estimating Relationships**<br><br>**Brad Clark**<br>**Chris Miller** |
| **#2 - System and Software Architecture Measurement**<br><br>**Paul Kohl**<br>**Alejandro Bianchi** | **#5 - Performance Measurement / Affordability**<br><br>**Pete McLoone**<br>**Cheryl Garrison** | **#8 - What Does Technical Debt Mean at a System Level**<br><br>**Bob Epps**<br>**Garry Roedler** |
| **#3 - Program Measurement – Is it different for Agile Development?**<br><br>**Jim Stubbe**<br>**Kim Elliott** | **#6 - Expediting SE in the System of System Environment**<br><br>**Jo Ann Lane**<br>**Sue Koolmanojwong** | **#9 - How does PSM Relate to and Influence Operational Analytics**<br><br>**Greg Niemann**<br>**William Golaz** |

# 2011-2012 Completed Activities

- **System Development Performance Measurement**
  - Released October 2011
  - Joint project of NDIA and PSM
  - Identifies information needs, leading indicators, and measures
  - Survey and version 2.0 being worked now

- **PSM Training Materials**
  - PSM Course Material v7.0 release July 2012

# 2012 Activities - Get Involved

- **Participate in workshops - provide inputs and recommendations**
  - *Software Life Cycle Maintenance Cost Estimation Model*
  - *Technical Debt*
  - *System and Software Architecture*
  - *SE Performance Measurement / Affordability v2.0*

- **Review products as available**

- **Case Studies and Papers**

- *Fall 2012 – Train-the-Trainer Session*
  - *Let Cheryl know if you are interested*