

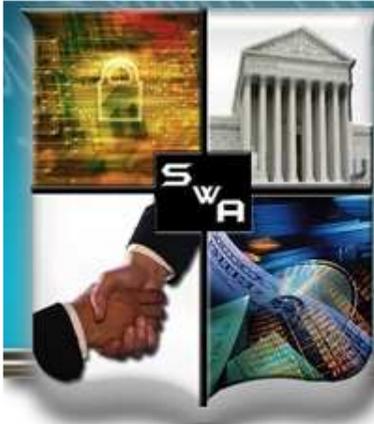


DoD-DHS-NIST
Software Assurance Forum
***Measuring Product Characteristics
Throughout the SDLC
Birds of a Feather***

Facilitators: Mike Kass, NIST and Michele Moss, Booz Allen Hamilton



Homeland
Security

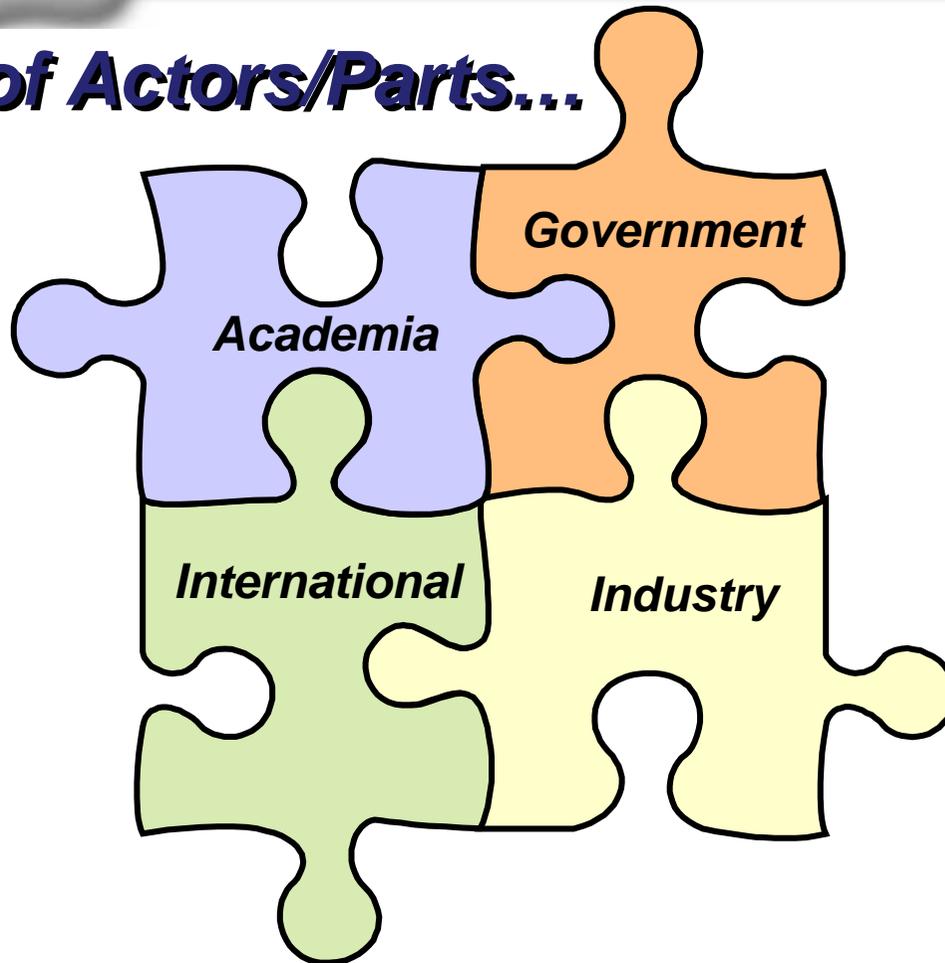


SOFTWARE ASSURANCE FORUM

BUILDING SECURITY IN

To Be Successful We Must Work
Together

Lot's of Actors/Parts...



*Are there common
Work-products /
Solutions ?*

**...all with
different
Challenges.**

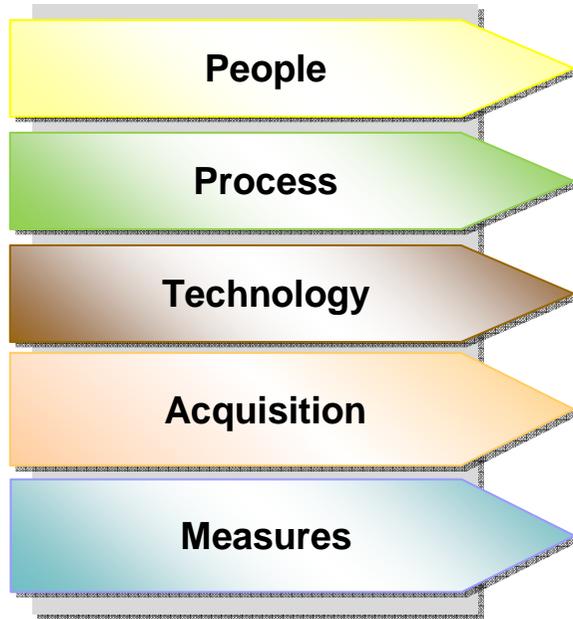
SOFTWARE ASSURANCE FORUM

BUILDING SECURITY IN

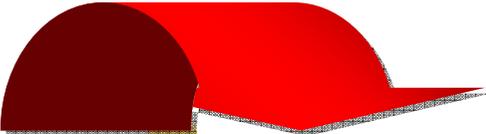
December 2009 Working Groups

Key Areas identified for Working Group Collaboration

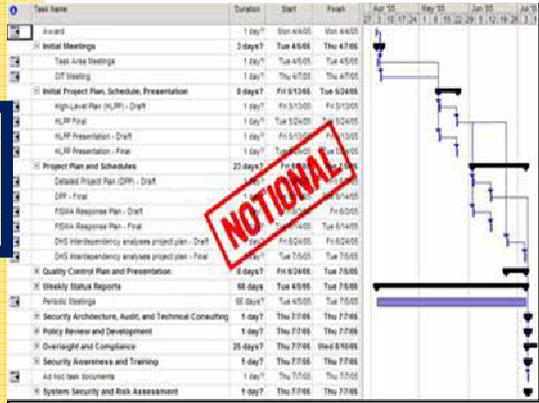
Working Groups



- ▶ Challenge of Adopting SwA through Education and Training
- ▶ Benchmarking Development Practices
- ▶ Understanding Product Characteristics throughout the SDLC
- ▶ Enhancing Communication Between the Supplier and Acquirer
- ▶ Making the Business case



“Roadmapping”





- Provide contributions that are targeted towards solving the problem on the table for this BOF
- Offer Solutions Vs Issues
- No Marketing Pitches
- Provide succinct (short vs lengthy) contributions to allow maximum contribution from all BOF participants



- There are robust SwA Practices
- There are robust SwA Technologies

We don't have a robust understanding of how they work together through the SDLC

Industry, Government, and Academia



CAPEC

MAE

CWE

CVSSC

ARF

OVAL

CPE

OCI

NVD
nvd.nist.gov

CVE

XCCDF
security benchmark automation

CEE

NIST
Security Configuration
CHECKLISTS
http://checklists.nist.gov
CSO



FD

SCAP

EMAP

SwAAP



What CAN WE DO to better understand the product characteristics throughout the SDLC?

- Recommendations (5 minutes each)
 - Academia
 - Industry
 - Government
- Discussion



- Map Technologies To Processes And Validate In A WG Session