Welcome

to the

Software Assurance (SwA) Workshop & Summit

A major Summit to strategize the path forward to achieving Software Assurance in DoD Weapon and Command/Control systems

Basic Issues

- The importance of software in the functionality of defense systems has increased dramatically both in weapon systems and command/control and information systems,.

- The software content of such systems is most often an amalgamation and integration of various software subsystems, from a myriad of sources. Legacy content is often high in upgraded systems.

- Development of that software often spans multiple companies and countries, and often it is difficult to assure the source of software from a national origin perspective.

- As such, it has been increasingly difficult to fully guarantee the integrity of us DoD systems from an information and software assurance standpoint.

There have been sufficient security-related events to underscore the need for a higher level of software assurance.

Summit Purpose

- The Summit will explore the range of opportunities for a long term solution to the issue of software assurance to consider how we can force the desired capability.

- The Summit will bring together Government and Industry in partnership to consider the way forward, such as
  - Focus on science and technology
  - Improve software development tools and techniques
  - Strengthen standards
  - Enhance vulnerability discovery
  - Use Systems Engineering and test processes to identify assess, and isolate critical components and mitigate vulnerabilities
  - Leverage and coordinate with industry, academia and national and international partners in achieving the desired goals
  - Apply techniques used in other industries for certification and mission assurance

AGENDA

Wednesday, September 7 - Morning

0715   Registration, continental breakfast

0815   Plenary Session – _Ballroom B_

0815   Opening remarks- NDIA   Hal Wilson
                 Introduction to Workshop purpose
0820   DoD Software Assurance Plans   Michael Komaroff, ASD NII
                                                                          Kristen Baldwin, OUSD (AT&L)
0910   DHS Software Assurance Activities   Joe Jarzombek, DHS

1015   Break

Plenary Session Continued – _Ballroom B_

1030   Science & Technology   Larry Wagoner, NCSC
1120   Engineering-in-Depth   Ken Hong Fong, OUSD (AT&L)

1215   Lunch

Agenda continued

Wednesday, September 7 - Afternoon

1315   Structured Breakout Sessions
1. **Standards, metrics, models for SwA** – *Crystal 2*
   Led by Mr. Ken Hong Fong, OUSD (AT&L)
2. **Industry Best Practices for SwA - *Crystal 3***
   Led by Ms. Kristen Baldwin, OUSD (AT&L)

1500   Break

1515   Continue Breakout Sessions - *Crystal 2 & 3*

1600   Plenary Resumes – *Ballroom B*
 Report out from Wednesday Breakout Sessions
 General Discussion and Specific Recommendations

1700   Adjourn for the Day

Agenda continued

Thursday, September 8

0715   Registration, continental breakfast

0815   Plenary Session – _Ballroom B_
0815   Industry Perspective: Product Developer   Glen Schoonover, Exec Dir.
WW Defense Technical Security,
Microsoft Corporation

0915   Structured Breakout Sessions
1. **Engineering processes for SwA -** _Crystal 2_
    Led by Mr. Ken Hong Fong, OUSD (AT&L)
2. **Science and Technology for SwA -** _Crystal 3_
    Led by Mr. Ron Gold & Mr. Larry Waggoner, OUSD (AT&L) DDR&E

Break

1030   Breakout Session Resumes – _Crystal 2 & 3_

1200 Lunch

1300   Breakout Session Resumes – _Crystal 2 & 3_

1400   Plenary Resumes – _Ballroom B_
   Report Out from Morning Breakout Sessions
   General Discussion and Specific Recommendations

1500   Summit Adjourns