

### **Software Assurance Initiative**

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## **Software Assurance Special Interest Group (SwA SIG)**

- ▶ Software Assurance SIG chartered on Feb. 13, 2006 (ab/06-02-01)
  - ▶ The primary mission of the SwA SIG is to work within the OMG and other industry groups, to establish a common framework for analysis and exchange of information related to software trustworthiness.
- ▶ The goals of the SwA SIG are:
  - Facilitate the development of a specification for a Software Assurance Framework
    - Enable industry to improve visibility into the current status of software assurance during development of its software
    - Enable industry to develop automated tools that support the common framework
  - ▶ Leverage other related OMG specifications such as KDM, SPEM, ...
  - Promote the use of OMG specifications in the development of secure software
  - ▶ Find ways to leverage the various quality and maturity models for security with OMG specifications.



### **Other Logistics**

- Chairs for SwA are
  - J.D. Baker, BAE Systems
  - Djenana Campara, Klocwork
- Software Assurance
  - URL <a href="http://swa.omg.org">http://swa.omg.org</a>
  - Mailing list: <a href="mailto:swa@omg.org">swa@omg.org</a> to be added to the list please send e-mail to <a href="mailto:request@omg.org">request@omg.org</a>
- OMG Software Assurance Special Interest Group (SwA SIG) will be meeting on Thursdays during OMG Technical Committee meetings
  - ▶ The next meeting will be on Thursday April 27 in St. Louis, Mo.
- To register for the St. Louis meeting go to <a href="http://www.omg.org">http://www.omg.org</a>
- ▶ For any additional information please send e-mail to Chairs:
  - ▶ djenana@klocwork.com
  - james.d.baker@baesystems.com



#### **SwA SIG Work Outline**

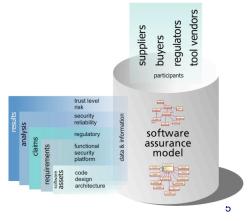
- Efforts to date
  - SwA white paper published and revised based on initial feedback
    - Can be found at <a href="http://adm.omg.org">http://adm.omg.org</a>
  - Additional feedback received
- Today
  - ▶ Gather information from Government, Academic and Industry sources
- Next steps
  - Review white paper and feedback with larger audience
  - Engage in further discussion on the subject, building on today's presentations
  - Publish revised white paper
  - Create SwA roadmap
  - Develop one or more RFPs, based on roadmap (e.g. SwA Framework)



# Standardization will ensure that all participants are investing not just in individual activities but in a coordinated strategy.

- Software Assurance (SwA) standardization will establish interoperability for exchange of information among participants
  - A SwA Standard will allow
    - different participants to initiate collaboration and activities in areas of SwA through the common framework and
    - achieve greater automation of SwA process by enabling interoperability between different supporting tools and vendors
- This will enable a new generation of solutions to benefit all sectors (Government, Industry and others)
- Standardization of SwA means ...
  - A formalization of the set of common definitions related to SwA
  - A format for exchanging information related to SwA





# **Assurance Leveraging Other OMG Specifications**

