



DoD Acquisition Policy and SEI CMM Level 3

Jack R. Ferguson, SEI
jrf@sei.cmu.edu



Overview

DoD ACAT 1 Acquisition Policy and SW-CMM Level 3 Software Evaluation IPT

- Objectives**
- Membership**
- Initiatives**

Approved Evaluation Tools

Other Results



DoD ACAT I Acquisition Policy

Contractor selection

- **Domain experience**
- **Past performance**
- **Mature software process**

Evaluation

- **Using tools developed by SEI or approved for use by DUSD(S&T)**
- **Full compliance with SEI CMM Level 3, or equivalent**
- **Risk mitigation plan for deficiencies**
- **Equivalence defined by DUSD(S&T) for approved tools**
- **Must be performed on business unit proposed to do the work**
- **Reuse of evaluation results within a two-year period encouraged**



Software Evaluation IPT - Objectives

Define equivalency requirement to provide unambiguous yardsticks

Establish evaluator qualifications and evaluation method requirements

- Reduce number of evaluations
- Reduce evaluation cost
- Improve evaluation reliability



Software Evaluation IPT Membership

Government

- OSD
- Army
- Navy
- Air Force
- DCMA
- DSMC
- Aerospace
- IDA
- MITRE
- SEI

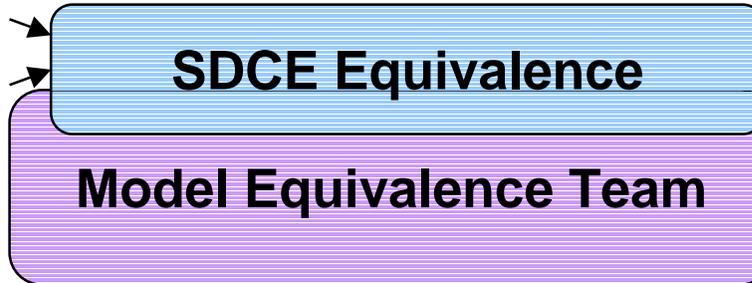
Industry

- Boeing
- CSC
- Harris
- Lockheed Martin
- Northrop Grumman
- Raytheon
- Rockwell Collins



Software Evaluation IPT Initiatives

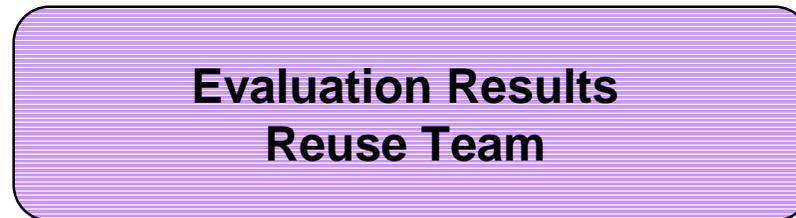
- ASC
- SMC



- Approved SDCE Core Set
- Model Equivalence Process



- Evaluation Method Requirements



- Assisted Assessment Proposal



Approved Evaluation Tools

Software Capability Evaluation (SCE) v3.0

- Method and training available
- <http://www.sei.cmu.edu/>

Software Development Capability Evaluation (SDCE)

- With approved core set revisions
- Maintained by USAF ASC/EN
- Method and training available



Other Results

Draft Evaluation Method Requirements

- **Based on ISO 9000**
- **Input to SCAMPI appraisal method description**

Guidelines for Government-Assisted Internal Assessments

- **Team requirements**
- **Reporting requirements**