Synthesis Panel Points
From NDIA SE Division's
DT&E Committee Co-Chairs

Tom Wissink

Lockheed Martin

Fellow

John Lohse

Raytheon

Engineering Fellow

Date: March 15, 2007

Some Opening Thought

- Bumper Stickers for Testers:
- Testers don't make the systems Warfighters use; Testers make those systems BETTER!
- Testing: You make it, We break it.
- A good Tester has the heart of a developer
- ...in a jar on their desk!
- *Pertempto ergo sum*
- I test, therefore I am

Key Observations & Comments

- Heard several times and agree that T&E (DT & OT) need to be involved earlier in SE process
  - DT&E Cmte plans to work this item in 2007
  - True for acquisition and implementation
- More Joint or Combined DT/OT
  - There needs to be specific guidance
- Sustainment needs to be designed into systems
- Need guidance on what "Sustainment Testing" could look like in CT/DT/OT timeframes
- Agree with need "More/Better SEs and PMs"
  - What about TEs (Test Engineers)

Other Learnings, Comments & Thoughts

- What are the Industry incentives that would ensure desired Sustainability and Suitability?

- Sustainability (or is that "Material Availability") KPP: Deliver higher TRL with less performance at lower ownership cost

- Logistics & Maintainability Demos performed in controlled environment (like DT) with parts available
  - Needs to be more realistic

- Graduated Reliability during development

- There is a place for Standards – SOME should be updated and brought back into use
  - Tailored for Rapid Deployment, Major Acquisition, etc

A Final Thought

Many of these take Upfront Investment
Fundamental change is needed