



Readiness-Based Industry Initiatives (*Session Code: DOD6*)

Objective - Explore state-of-the-art readiness and maintainability technologies and processes being developed by industry for a wide range of military and commercial applications.

Organizer - Nancy Eiben, SAE International

Moderator – Chuck Ryan, National Center for Manufacturing Sciences

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Agenda

- 2:05 p.m. Virtual Contractors on the Battlefield**
Robert G. Burton, Boeing Aircraft & Missile Systems
- 2:25 p.m. Next Generation Fighter Maintenance**
Edward J. Costigan, Pratt & Whitney
- 2:45 p.m. Recent Advances in Applique Film Technology for Aerospace Coatings**
Tom Ihbe, 3M Aerospace Materials
- 3:05 p.m. Testability Engineering and Maintenance System Tool Set**
Kevin Cavanaugh, Qualtech Systems Inc.
- 3:25 p.m. The NOVA Wire Integrity Program**
Francois Gau, Honeywell International
- 3:45 p.m. Wrap-Up - Q&A**
Chuck Ryan, National Center for Manufacturing Sciences

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Session Wrap-up and Q/A

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Commercial Technologies for Maintenance Activities (CTMA) Program Objectives

- Identify, form, launch and deploy new projects coupling the needs and strengths of commercial industry with the DoD maintenance and repair facilities
- Focus on reducing overall costs and increasing readiness



CTMA Cooperative Agreement Highlights

- Funding for Direct Contract support to private industry to develop and demonstrate technologies
- Focus on cost reduction and increased readiness within DoD Organic Maintenance Activities (Depot Level)
- Requires a \$2 to \$1 Industry cost share on all technology development funding
- Provides for property disposition, IPR protection, and collaborative umbrella for all participants



CTMA Scorecard

- 25 projects approved by Office of the Secretary of Defense (starting in 1998)
- \$16.5 million in direct contract costs
- Over \$35 million in industry cost share commitments
- 19 DoD Depot level maintenance activities
- 75 commercial industrial organizations





CTMA Project Launch Criteria

- Begins with a concept (~5 pages long)
- Joint Industry/DoD interest and needs
 - Hard deliverables, direct impact on manufacturing shop floor
- Cost/Benefits summary sketched out
 - Quantifiable
- Participant roles defined
- Letter of endorsement from base command
- Submission of concept to Pentagon (Office of Secretary of Defense)
- 10 day turnaround for approval...





Hurdles for New Project Ideas

What new technology is being developed and implemented?

- Not a mechanism for circumventing DoD procurement process.

Is there cross-service involvement?

- For broader dissemination of technology

Is there sufficient industrial interest?

- Greater than 2:1 cost share



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Questions?

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