CMMI-Acquisition Update

Systems and Software Technology Conference
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Interest in Acquisition Process Improvement

- **Congress** directed the Department to establish software acquisition process improvement
- **OSD** led the development of the CMMI-Acquisition Module
- **Air Force** Space and Missile Command (SMC) developed a CMMI-A for SMC programs
- **General Motors** and the SEI have initiated a CMMI for Acquisition Organizations Project
- **Government Agencies** organized under GAO to initiate a Government-wide process improvement effort

“How do I measure PEO capability; credentials?”

LTG Yakovac, 14 Nov 05, CMMI Technical User Conference Keynote
- CMMI-A will be realized through several key inputs, and will use the CMMI v1.2 as a baseline framework
- A full development lifecycle process will be applied, with input from a broad stakeholder community
CMMI-Acquisition Advisory Group

- Representatives from major acquisition community stakeholders
- Initial review and comment on products from the CMMI-A model team
- Ensures CMMI-A considers stakeholder needs
- Coordinates with CMMI-SG to ensure consistency

In process of identifying key stakeholder representatives for the Advisory Group
General Motors/SEI Joint Project: The Initial CMMI-Acquisition

• Project Goal: Develop an Acquisition Model that conforms with the CMMI architecture
• Involve industry and government agencies in developing and piloting the initial CMMI-A
• Make the CMMI-A available for initial industry and government use in 2006
Initial CMMI-Acquisition Model
Key Acquisition Processes*

- Solicitation & Supplier Agreement Development
- Acquisition Management
- Acquisition Technical Solution
- Acquisition Verification
- Acquisition Requirements Development
- Acquisition Validation

*based on initial CMMI-Acquisition model developed by General Motors/SEI
Pilot Participation

• Pilot initial GM CMMI-A version to:
  – Validate requirements
  – Assure Service/Agency/Industry acquirer needs are addressed
  – Enhance acquiring organization understanding of process improvement

• Candidate Pilots
  – General Motors
  – HUD
  – Veterans Affairs
  – Department of Homeland Security
  – SA-CMM users
  – CMMI-AM users (Army, AF SMC, NRO, etc)

Confirming pilot candidates – obtaining PM participation
<table>
<thead>
<tr>
<th>Date Range</th>
<th>Activity Description</th>
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<tbody>
<tr>
<td>April-May 2006</td>
<td>Refine General Motors CMMI-A, plan for pilots</td>
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<tr>
<td>June 2006</td>
<td>GM CMMI-A and <em>initial</em> training available</td>
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<td>June-September 2006</td>
<td>Conduct pilots to refine initial GM model</td>
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<td>October-December 2006</td>
<td>Update based upon pilot findings; adapt to CMMI-ACQ</td>
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<td>January-February 2007</td>
<td>CMMI-ACQ available for QA and final review</td>
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<td>March 2007</td>
<td>Release CMMI-ACQ <em>Product Suite</em> (<em>Model, Method, Training</em>)</td>
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Summary

• An integrated approach to developing acquisition process improvement
  – Industry involvement
  – Existing process improvement
  – Government-wide needs

• Advisory Board and pilots will shape the final outcome

• This is an opportunity to transform acquirer and supplier relationships and shape the future of process improvement