Agile and CMMI

An LMCO IS&GS Approach

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Agile Approach

- IS&GS Standard Process
  - Program Process Standard (PPS)
- IS&GS Agile Reference Manual (ARM)
  - Guidance to tailor the standard process for Agile compliance and application
  - Agile – a methodology versus a life cycle
- IS&GS Agile Measurements Guide
  - Compatible with ARM
  - Establishing a Process Performance Baseline applicable to this methodology
Process Areas Where Agile Excels

• Causal Analysis and Resolution
• Quantitative Project Management
• Integrated Project Management
• Project Planning
• Project Monitoring and Control

It’s tempting to put all of the technical processes here too.
Process Areas Needing Reinterpretation

- Requirements Development
- Technical Solution
- Product Integration
- Verification
- Validation
- Requirements Management
- Process and Product Quality Assurance
- Configuration Management
Process Areas Essentially Unchanged

- Decision Analysis and Resolution
- Risk Management
- Supplier Agreement Management
- Measurement and Analysis
Organizational Processes

- Organizational Innovation and Deployment
- Organizational Process Performance
- Organizational Process Focus
- Organizational Process Definition
- Organizational Training
Summary

• Agile and CMMI can work well together
  – Focus on getting the best of both approaches
• Agile is both rigorous and planning intensive
  – It’s just different in implementation details