



# **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**