Agile in Government: Validating Success Enablers and Inhibitors
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Our Agile Journey
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Intellectual Merit

Provide DoD and government with actionable Agile guidance
  • Within constraints of DoDI 5000.02

Transition Agile body of knowledge to DoD and others
Methods

Research Methods

Use grounded theory, action research, and affinity analysis to

- **Address** operational and acquisition **challenges**
- **Publish guidelines using structured** anecdotal data

Build on classic technology adoption models of Adler and Rogers

- **Traditional adoption factors**
- **Risk factors unique to DoD acquisition settings**
Our Journey So Far

- **2009**
  - E-Learning Agile Course
  - Denotes Air Force Funded

- **2010**
  - Multiple Presentations from 2010 forward

- **2011**
  - Mgmt roles, estimation, culture, milestone reviews-barriers & high level recommendations (CMU/SEI-2011-TN-002)
  - Executive Briefing

- **2012**
  - Consulting on Actual DoD & Federal Programs 2011 and forward
  - CrossTalk Article

- **2013**
  - 804 response, Reqmts Mgmt, other topics per Agile Collab Grp (multiple publications)
  - NDIA C4ISR Committee
  - Agile Defense Adoption Proponents Team (ADAPT) member

- **2014**
  - Prototype course, SEI Agile Toolkit, Myths Booklet, 5000.02 paper
  - Systems Eng, Metrics

- **2015**
  - Multiple presentations, NDIA SE Agile WG Co-Chair, podcasts
  - Scaled Agile, Agile Success Measures

Multiple presentations, NDIA SE Agile WG Co-Chair, podcasts
Results

Guidelines (in review)
- Success Measures
- Scaled Agile
- Original TN updated – reflects 2015 5000.02

Guidelines (published)
- Contracts
Results

Podcasts
- One for each Agile Principle
- Highlighting
  - System Engineering
  - Metrics

Conferences, Activities
- Ground System Architecture Workshop 2015
- Software Technology Conference 2015
- Performance Assessments Root Cause Analysis and GAO Working Groups
- Association For Enterprise Information /SEI DoD Agile Summit
Impact on DoD/Government

Operational Impacts

• Achieve the benefits of incremental, iterative delivery while complying with traditional DoD policy frameworks
• Provided basis for others to build upon; cited by multiple sources, influencing other current work

Founded Agile Collaboration Group, over 175 members from 51 organizations

Supports Reliance 21 C4I COI

Enables BBP 3.0

innovation, reduced cycle times