



Providing Agile and Lean Capabilities for the Federal Government

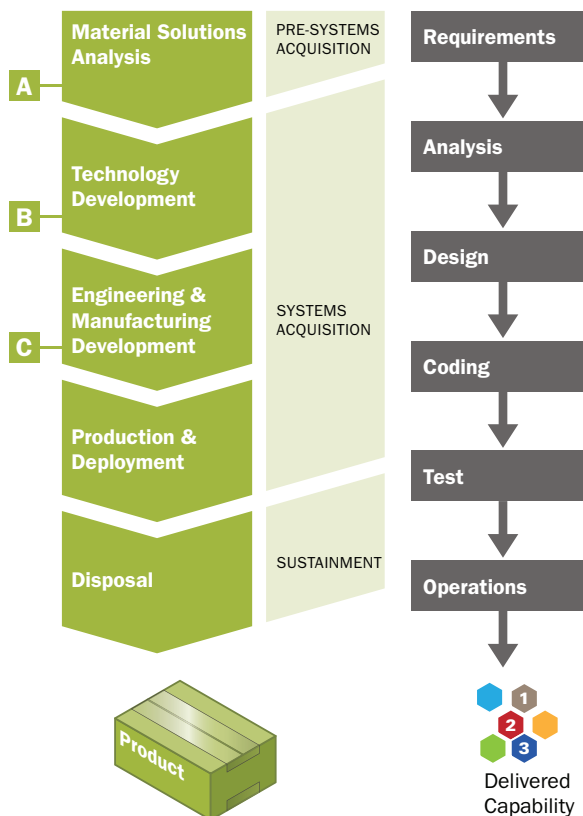


Software Engineering Institute
Carnegie Mellon University

Engage Our Agile Adoption Team

Our Agile Adoption Team has been assisting the Federal Government in adopting Agile and lean principles and methods since 2009. Our body of knowledge is based on our research in adapting best commercial practices in the Agile and lean arena for use in navigating the highly regulated government environment. The greatest hurdle to government adoption is knowledge and culture. The traditional DoD acquisition framework, shown below, governs how DoD acquisition practitioners think about acquisition. Our goal is to help instill an actionable Agile mindset for acquisition practitioners.

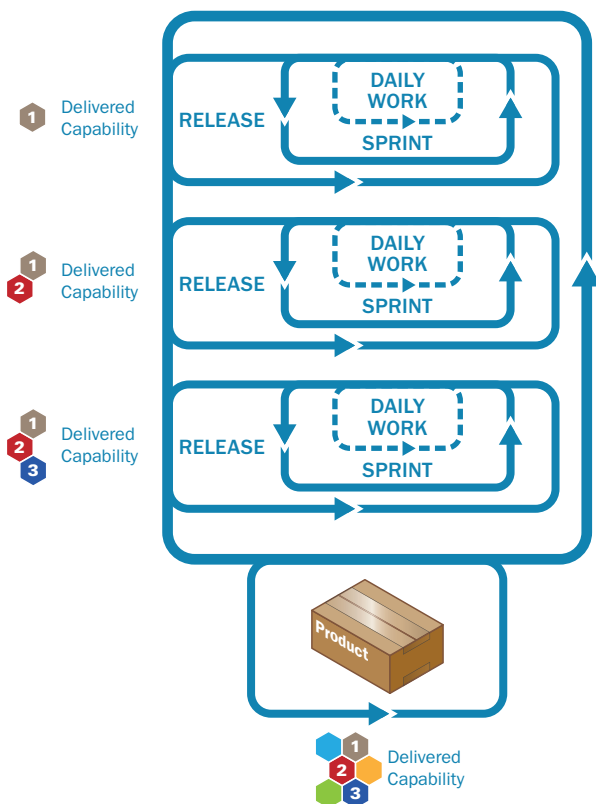
Fixed Vision

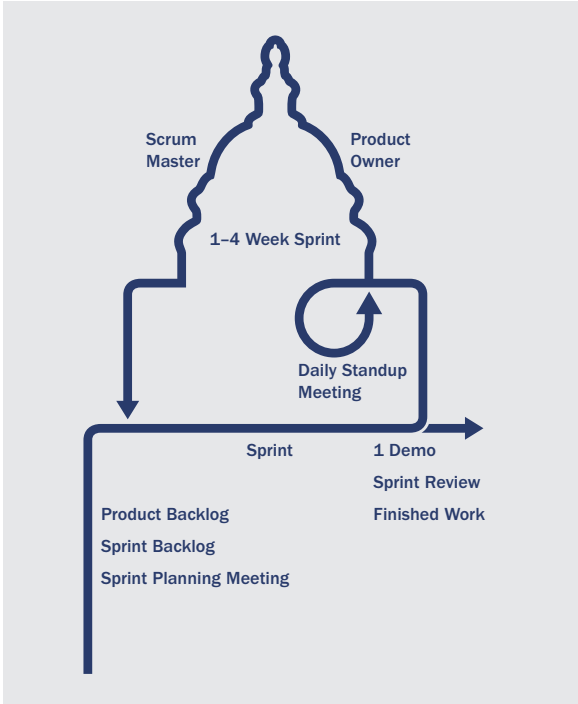


SEI has an extensive toolkit to help the government learn about Agile and lean concepts, and to navigate the cultural changes inherent in Agile adoption. Our toolkit includes:

- Readiness assessment
- Risk assessment
- Tailored training
- Embedded advisors
- Agile methods coaching
- Devising workable hybrid options
- Program start-up workshops

Evolving Vision





Our education and training offerings include, but are not limited to:

Agile Development: Myths, Monsters, and Fables: 1 day

SEI will highlight insights gained by interacting with Agile programs in government settings. Some of the learning is in the form of myths about Agile that SEI has encountered. Gimmees and Gotchas are enablers and benefits (Gimmees) and disablers/barriers (Gotchas) the SEI has seen in government programs. Participants will gain an awareness of basic Agile principles as well as insight into selected government trends regarding this set of principles-based practices that have become common in commercial settings.

Agile for Executives: 2–4 hours

This 2- to 4-hour tutorial event is usually provided to a small group of senior executives in a program or enterprise who are contemplating or are already in progress with adoption of Agile approaches in the organization within their purview.

You’re in my Space: Agile’s Roles, Responsibilities and Competencies: 2 hours

Agile is becoming more prevalent in the Federal government space. Its usage is raising questions about how Agile methods fit into this highly regulated environment. This 2-hour presentation provides an overview of the expanded role of the program office when employing Agile, including roles, responsibilities and competencies required of the program office and how the January 2015 DoD Instruction 5000.02 could support DoD programs with Agile contractors. In addition, a brief discussion of Agile in the Larger Eco-system will include a description of the forms of obstacles often posed by the surrounding systems engineering and acquisition ecosystem.

Agile in Government (AIG)—Practical Considerations: 1 day

This 1-day live-delivery tutorial enables attendees to understand basic Agile concepts that developers use, primarily focusing on introducing the interactions that government program offices can and should have with developers (either organic or contracted) who are using Agile methods to develop government systems. A combination of lecture, discussion and short exercises are used to provide attendees with information that will translate into their work settings.

The Agile Adoption Continent



What Do I Do Monday? (Role-based Agile Workshops for SPO Staff): 1–2 days depending on team’s prior Agile knowledge

The main goal of this workshop is to prepare acquisition staff with a starting set of knowledge and skills that will help them to recognize Agile approaches that developers are using and to help them to interact productively with contractors using Agile approaches. The assumed context of the acquisition is that the system is software reliant but is likely to be in an embedded setting (e.g. a satellite, an airplane, etc). So in addition to software development aspects of the acquisition, the workshop also addresses some of the common stakeholder management issues that arise in these large, complex system acquisitions, from the viewpoint of a scaled-up Agile setting.

Readiness and Fit Workshop (Agile Adoption Workshop): 1.5–2 days

This 1.5- to 2-day workshop is directed at participants who have had some exposure to basic Agile concepts (Agile tenets and principles, common methods, terminology). The facilitator will help you explore your current program environment to determine in what areas your team is more ready to adopt Agile methods, and identify adoption risks the team will face in areas where the team is not as ready. (Minimum of 6 participants; maximum of 20.)

Customized offerings of any training can be discussed upon request.



The Carnegie Mellon University Software Engineering Institute (CMU SEI) serves the nation as a Federally Funded Research and Development Center (FFRDC) sponsored by the U.S. Department of Defense (DoD) and based at Carnegie Mellon University.

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