



Ground System Architectures Workshop

Leaping into New Space: How to Leverage and Integrate with Traditional Aerospace

February 26–29, 2024 Renaissance Los Angeles Airport Hotel Classified Session—February 29, 2024





Working Group C Outbrief

Agile Anti-Patterns with Government Programs and Contracts

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Session Goals

An "anti-pattern" behavior is a process or technique that someone uses because they think the repeated technique or process is correct - but is not and creates a hindrance to accomplishing their goal.

The purpose of the workshop is to create a forum where workshop participants can share their experiences and raise their questions about anti-pattern behavior in Agile programs, and workshop subject matter experts (SMEs) can facilitate a discussion to identify best practices in dealing with anti-pattern behavior.

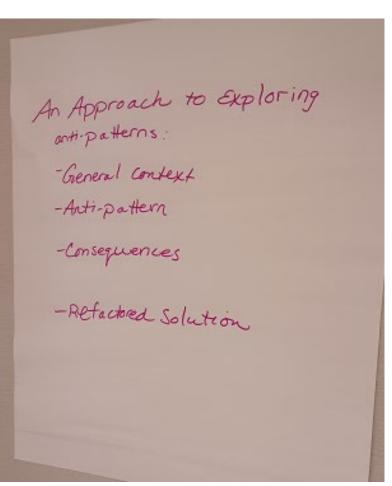
As a workshop, a high level of interaction, conversation, and debate were expected of the participants (and the participants did not disappoint!)

Working Group Facilitators/Support

- Brook Cavell Brook Cavell is a Senior Engineering Specialist in the Systems Engineering Division at The Aerospace Corporation. He is a PMI Agile Certified Practitioner (PMI-ACP®) and a Project Management Professional (PMP). Brook started his career as an agile developer doing extreme programming, then became a program manager for a government software portfolio. Currently, Brook is a costing engineer with an eye for programmatic troubleshooting.
- Timmie McArthur Timmie McArthur is a Senior Engineering Specialist in the Systems Engineering Division within the Engineering Technology Division at the Aerospace Corporation. She has over 35 years' experience supporting the Federal Government across a spectrum of customers, including 8 years advising the government on agile and scaled agile topics. She has been a certified SAFe Agilist since 2016.
- <u>Backplane support:</u> Curt Holmer Curt Holmer is a Senior Project Leader with the Infrastructure Services and Operation Division in the National Security Group of The Aerospace Corporation. He has 30 years of experience in system and software engineering supporting industry and federal agencies. Mr. Holmer is certified in several programming languages, holds Project Management Institute certifications for both Project Management Professional (PMP) and Agile Certified Practitioner (ACP), and is a certified ScaledAgile Framework Program Consultant (SPC).

Key Points

- Level Setting, What does Agile Want? What does Government Want? What does Agile Government Want?
- Initial Concept Overview of an Anti-Pattern
- Simple approach to exploring Anti-Patterns
 - General Context
 - Anti-pattern
 - Consequences
 - Refactored Solution
- Split up into groups and work on an Anti-pattern
- Brief out to the Workshop



Conclusions



- Good exercise to understand the traps of Agile Antipatterns
- Opportunity to network, discuss and debate the problems
- Group understanding and comments on the refactored solutions that could solve problems
- Gathering wisdom and experience of all participants!

