

Integrated Program Management Division Agile/EV Working Group

April 30, 2019

Agile and EVM WG

Overview/Mission:

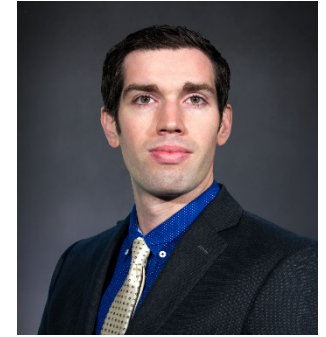
Focus on the application of EVM in an Agile development environment. The group works to advance the understanding and use of Agile and EV to increase the probability of program cost, schedule, and technical success.

Leadership:



Ron Terbush

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Objectives:

- Forum to exchange information and provide guidance for projects that use Agile development methodology and EVM
- Current Products:
 - “An Industry Practice Guide for Agile on Earned Value Management Programs” Version 1.2
 - NDIA guide created to address challenges to EVM on programs implementing agile development techniques
 - Training Module: “An Industry Practice Guide for Agile on Earned Value Management Programs”
 - Provides overview of Guide content – presented at industry forums

- **Publish Version 1.3 “An Industry Practice Guide for Agile on Earned Value Management Programs”**
 - Board comments reviewed and adjudicated
 - NDIA member comments reviewed and adjudicated
 - Released for final 30 day review Apr 18 2019
 - *Electronic Voting will take place after 30 day review period - May 2019*
- **Conduct Agile Framework Training at EVM World & subsequent conferences**
 - Overview of agile processes – companion training to Agile EVM Guide training module

Guidebook moving to standard 3 year update – V1.4 planned 2022
[Barring significant content roadmap requests from community.]

Version 1.3 Update Highlights

NEW CONTENT

- **Section 5.6 Systems Engineering Reviews**
 - Recommendations for adapting technical reviews on programs using the Agile development framework.
 - Emphasis is on characterizing the relationship between the adapted iterative technical practice and the associated EVM practices.
- **Appendix F Request for Proposal (RFP) language**
 - RFP content to support iterative, adaptive and incremental software development approach.
- **Appendix G Agile Metrics**
 - Traditional agile metrics that augment program performance management.
- **Content and Image Refresh and Simplification (Wholesale)**

Great work by leads and sub-group membership throughout the year!

V 1.3 Comment Adjudication

- **78 comments received**
 - Only 13 addressed new content (11 accepted)
- **Largely administrative**
- **50 accepted**
- **28 rejected or deferred**
 - Alternative definitions
 - Content already found elsewhere in the guide
 - Expanded content deferred for future WG initiatives
 - Requests to include “how to do” agile development

Sub-Working Groups (Guide v1.3):

Contracting

Identify and define the characteristics associated with Contracting within an agile environment.

Jim Duffy, Gordon Kranz, Andrea Nibert, Naomi Silver, Clareice Chaney, Renee Frazier

New Appendix,
Extended
Content



Metrics

Application of common agile metrics for EVMS and program control considerations such as Forecasting/Baseline/VAR.

Dr. Daniela Silitra, Nathan Oligmueller, Elizabeth Schaapveld, Justin Rogers, Kim Beckman, Andrew Rymaruk

New Appendix



Training

Conversion of guide content into actionable presenter and student training materials for community trainers. Support for training events.

Amy Martz, Andrea Nibert, Jim Duffy, Bruce Jordan, Amber Young, Robin Pulverenti, Andrea Nibert

1. Training Package (V1.2 content).
2. Presented training at industry events.



Strategic Backlog and General Content

Coordination of conceptual roadmaps for Guide version releases, as well as general content and support.

Gordon Kranz, Ron Terbush, Matt Strain, Robin Pulverenti, Renee Frazier, Audrey Mahoney

Agile Framework Overview Training

- **Developed in response to continued need for agile concepts training identified at Feb 2019 IPMD Agile WG session**
- **Companion Piece to “*An Industry Practice Guide for Agile on Earned Value Management Programs*” training module**
- **Materials in training package developed to support ‘open’ framework for future presenters to re-use training package/materials**
- **The two training modules will be presented back-to-back at May 2019 EVM World**

Agile Framework Overview

EVM World 2019

1. The Problem Space
2. Recent History of Agile
3. What is a Mind-set?
4. The Agile Mind-set
5. Why Agile?
6. Shift from Waterfall to Agile
7. Agile Planning Artifacts
8. Agile Roles
9. Agile Ceremonies
10. Agile Performance Artifacts
11. Iterative Systems Engineering
12. Agile Inputs Checklist
13. Conclusion

Contributors:

- Jim Duffy RTN
- Andrea Nibert Leidos