

DoD EVM Policy Update-Agile

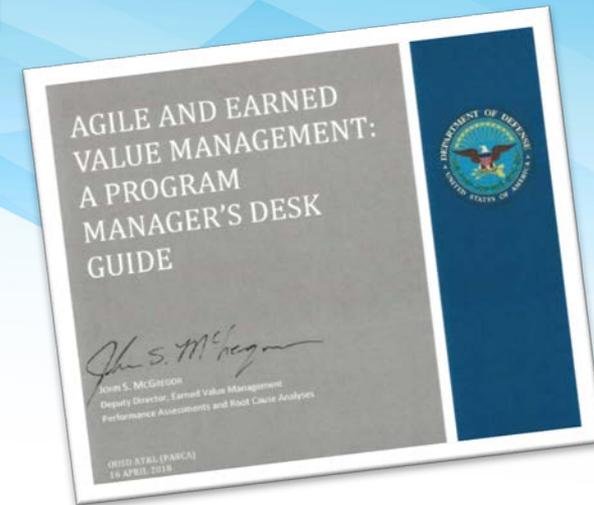
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Acquisition Analytics and Policy



▶ Continuing iterations on Agile and EVM PM Desk Guide

- Collaborating with DoD Agile pilot team to collect/share best practices on Agile pilot programs
- Identify methods for managing cost and schedule on programs using Agile development methodologies



A resource for DoD personnel who encounter programs on which Agile philosophies and Earned Value Management are applied

“EVM is not tied to any specific development methodology and does not prevent the use of other risk management techniques such as agile development. EVM and agile development are complementary and can be used on the same project. Agile development can be used to incrementally deliver functionality to the customer while EVM provides a standard method for measuring progress.” -- OMB Circular A-11

https://www.acq.osd.mil/evm/resources/Agile_EVM_Home.shtml



- ▶ Work with the 873 and 874 pilot programs, as appropriate
 - Understand Agile technical management best practices and lessons learned
 - Understand use of and applicability of DevSecOps to DoD programs

- ▶ Approach: Develop and Execute a Pilot Engagement Strategy
 - Outreach to Pilot Programs
 - Provide guidance/solutions
 - Trusted agent
 - Non-interference basis
 - Collect best practices/artifacts
 - Focus on specific objectives
 - Establish regular cadence
 - Develop a Community of Practice
 - Conduct series of Town Hall Collaboration Forums

PROBLEM STATEMENT:

How does the DoD manage cost, schedule, and technical performance for a program using Agile development methods and demonstrate the value proposition for a capability?

▶ **Process**

- What are the program's process/tools for program management/execution?
- What is the program's process for incremental development/delivery?
- How are decisions made and who has decision authority (i.e. priorities, changes)?
- How does the program contract for work?

▶ **Workforce Management**

- What are the program's team creation and management practices (i.e. hiring, retention)
- How are the proper skill sets identified/executed (i.e. competency, quality)?

▶ **Reporting/Metrics**

- What is the level of metric assignment (i.e. epic/feature/story)?
- What metrics or reports are used internally/provided to management and delivered to customer?
- How does the team communicate progress or completion of a capability?

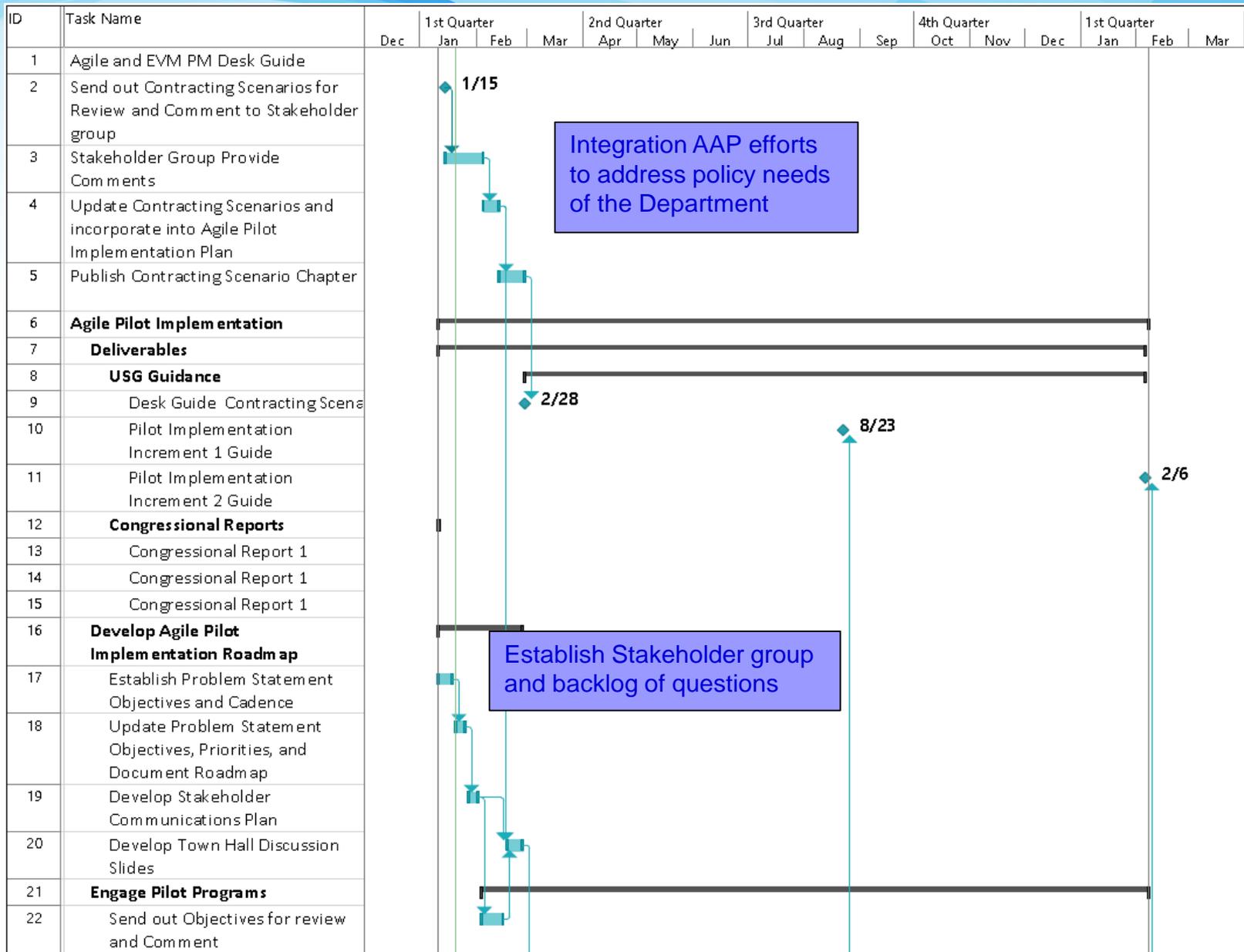
► Technical

- How is the user involved in requirements reviews, development, and test?
- How is Minimum Viable Product (MVP) identified and mapped into capabilities?
- What technical reviews are used (i.e. PDR, CDR)?
- What is the timing of the technical reviews?
- What are the artifacts for/from the technical reviews (i.e. System and SW Specifications, SW Architecture Documentation)?
- How is integrated testing completed?
- How is security integrated into the development process and capabilities?
- How are Estimates at Completion (EACs) developed and at what level?
- What tools are used to track progress/completion of work against contractual requirements (i.e development environment)?
- How do technical tools feed program management tools/reporting?

Create a tool kit for managing cost, schedule, technical performance

- ▶ **Provide best practices/artifacts for the following (Tool Kit)**
 - Contracting language
 - Scope definition and work organization
 - Planning, scheduling, budgeting
 - Tracking costs
 - Analysis and management reporting
 - Change management

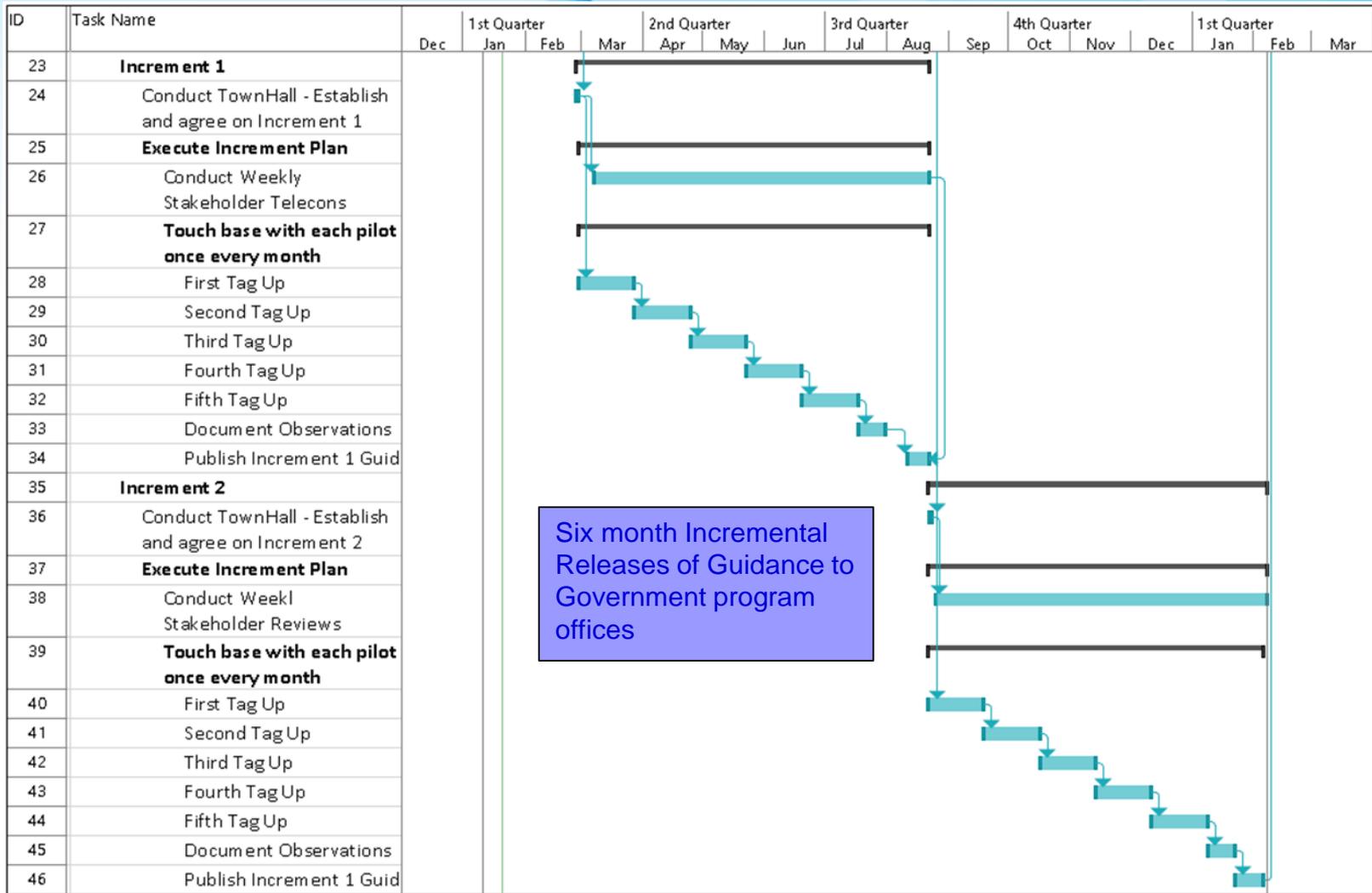
Agile Initiative Notional Schedule



Integration AAP efforts to address policy needs of the Department

Establish Stakeholder group and backlog of questions

Agile Initiative Notional Schedule



Questions Contact Us

EVM Website:

<http://www.acq.osd.mil/evm/>

EVM Email:

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<http://www.acq.osd.mil/evm/aep.program.html>