

# Testing at the Speed of Need

Agile Development

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**Homeland  
Security**

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Science and Technology



# DHS Test & Evaluation

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- DOT&E Role
- Agile Framework
- Agile T&E Activities
- Agile T&E Best Practices
- Summary

# Director, Operational Test & Evaluation

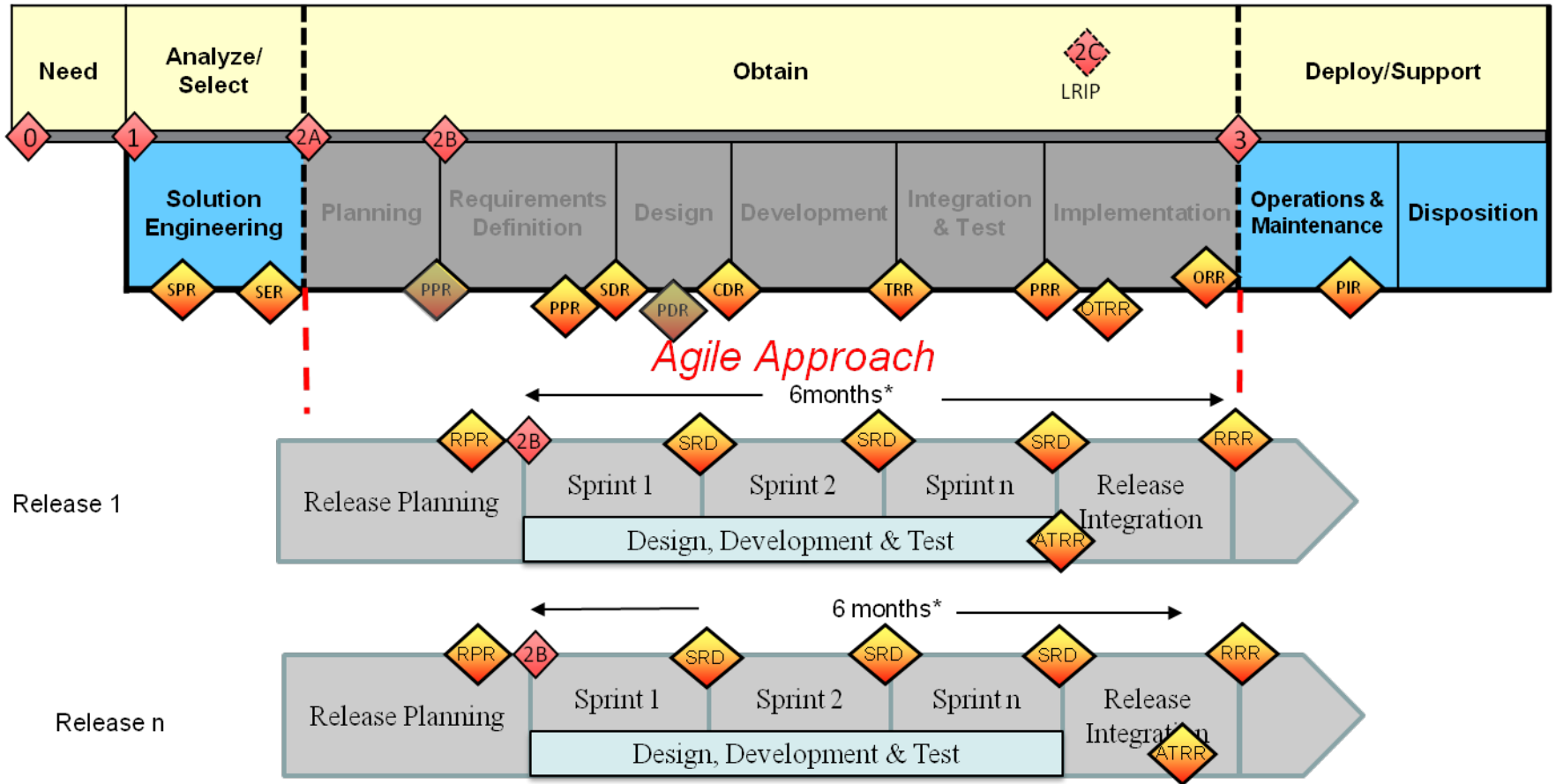
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- Principal advisor on operational test and evaluation to Office of Secretary and component heads
- Prescribes T&E policies and procedures for the Department
- Provides independent T&E oversight and assessment for Major Acquisition Programs
- Reviews Operational Requirements Documents
- Has access to all data or records related to acquisition programs
- Approves Test and Evaluation Master Plans (TEMPs), Operational Test Plans, and Operational Test Agents
- Writes Letters of Assessment
- Member of Acquisition Review Board
- Catalogs DHS organic and non-DHS T&E capabilities in database that can be accessed by all components

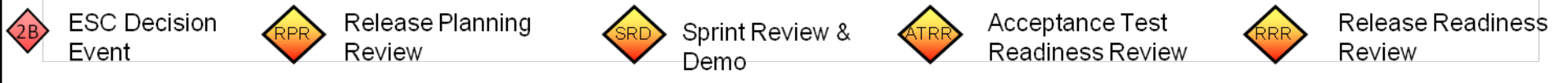
*DOT&E Delegation 10003 signed 6 May 2009*



# Agile Framework

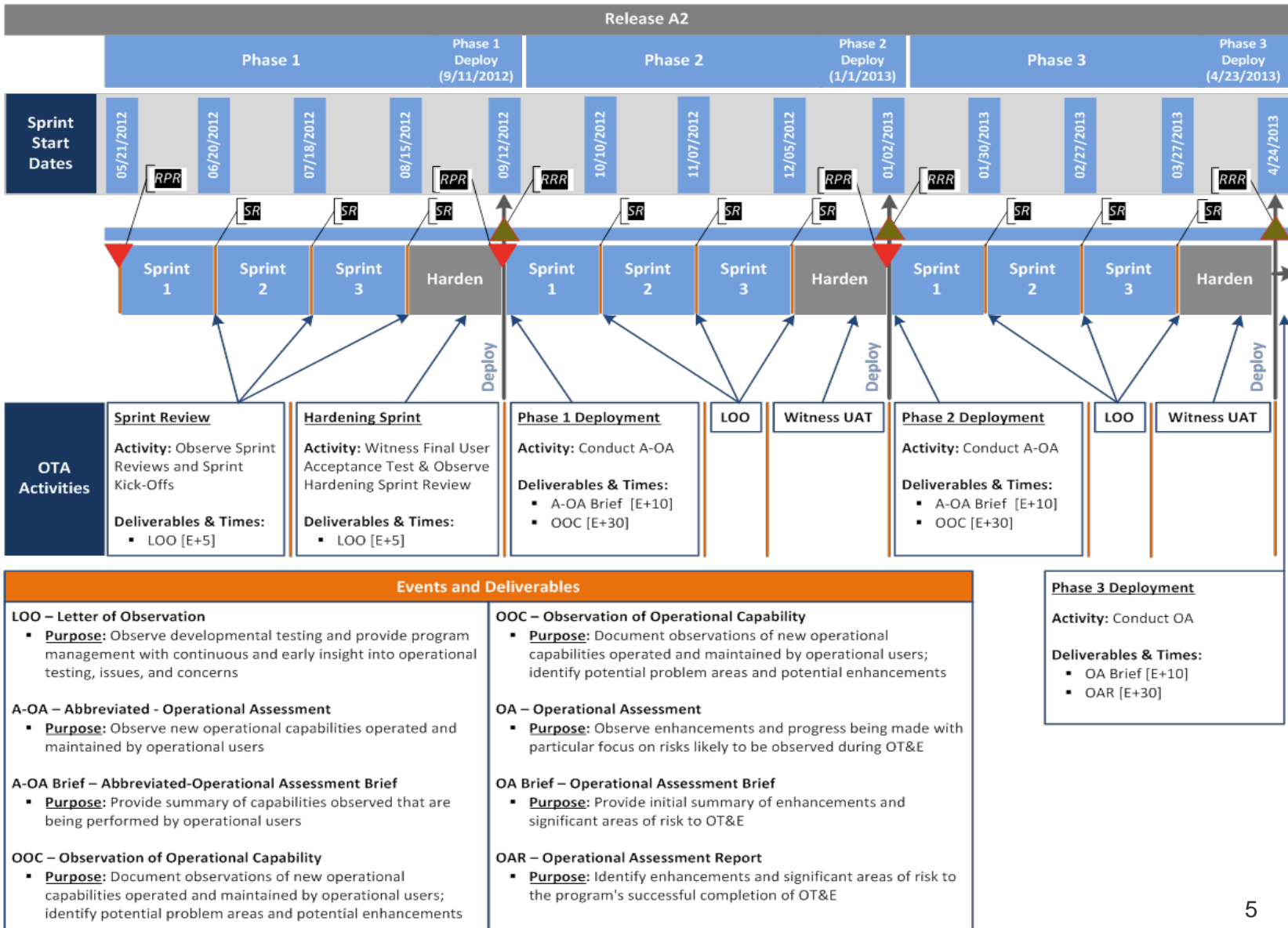


\* Notional timeline





# OTA Release A2 Activities and Deliverables





# Agile T&E Best Practices

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- Early involvement of all key stakeholders
- Form T&E Integrated Product Team
- Develop a realistic and executable test strategy
- Early identification of an adequate OTA
- Risk Based Operational Test and Evaluation
- Set realistic goals for planning, execution and reporting
- Schedule should allow for identification and correction of major deficiencies
- Involve the T&E COE

***Agile T&E Best Practices are the Same  
as Basic T&E Best Practices***



# Summary

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- DHS piloting on three major programs
- Still many unknowns
  - Small scale vs. large scale programs
  - User involvement/empowerment
  - Governance
  - Skills of Agile teams



# Questions?





# Homeland Security

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