

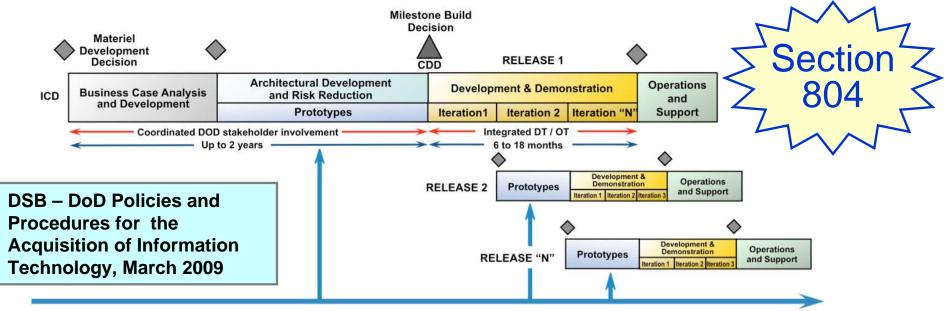
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## Test and Evaluation for Agile Information Technologies

#### Dr. Steven Hutchison DISA Test & Evaluation Executive May 12, 2010

### New DoD Acquisition Process for IT

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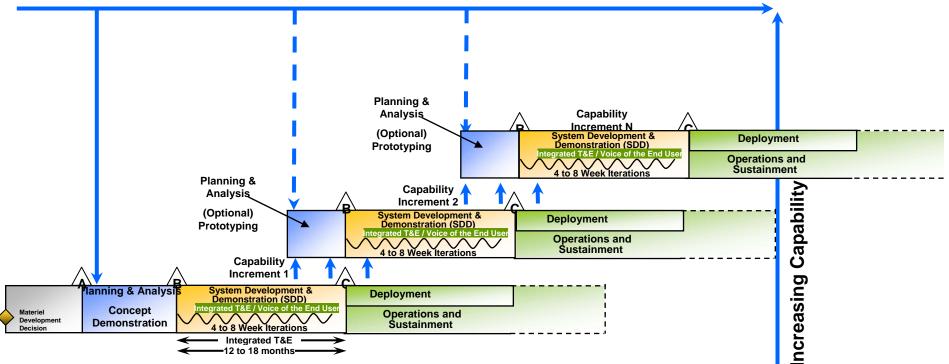


Continuous Technology/Requirements Development & Maturation

- Modeled on successful commercial practices
  - Agile software Development
- Multiple, rapidly executed increments or releases of capability
  - Releases divided into ~6 month iterations
  - Iterations tested and potentially deployable
- Early and continual involvement of the user
- Integrated testing

# DISA National Academies Proposed Model

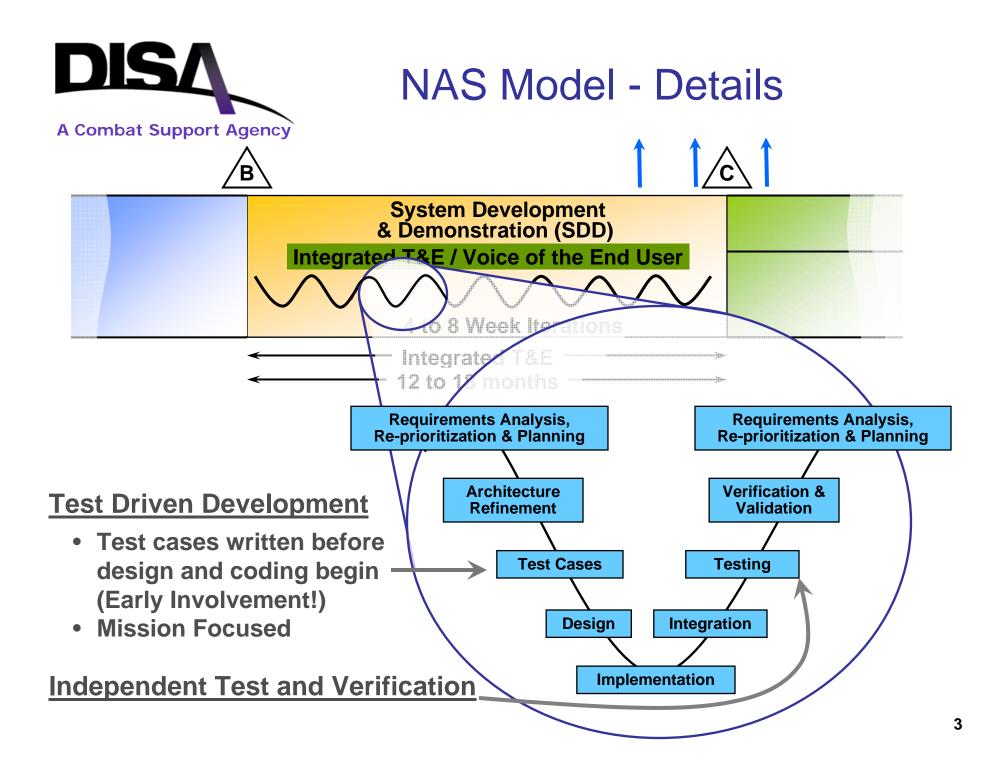
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Marketplace Technology Development & Maturation

Acquisition Management Approach for Software Development and Commercial off-the-shelf (COTS) software Integration IT programs

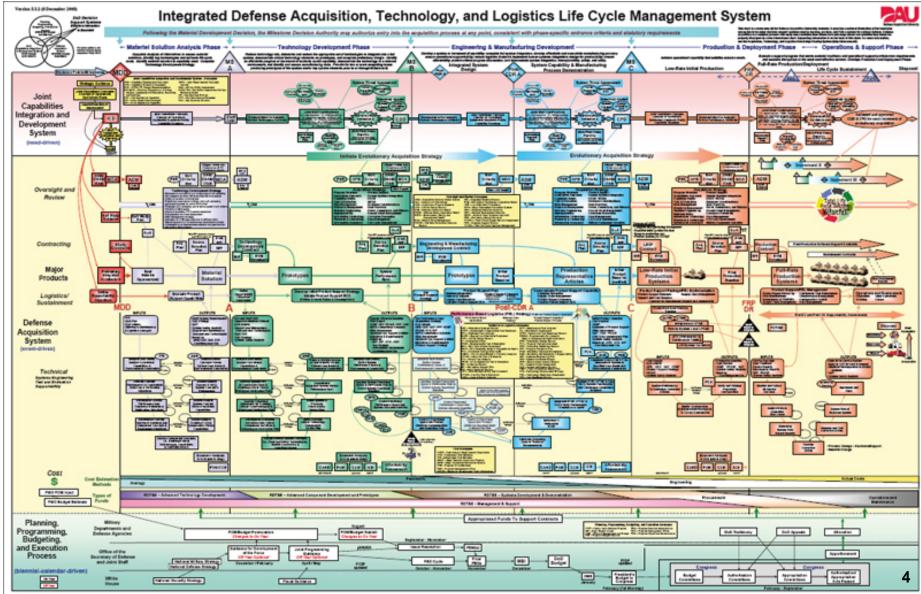
National Academy of Sciences: Achieving Effective Acquisition of Information Technology in the Department of Defense, December 2009





#### The DoD Acquisition Model

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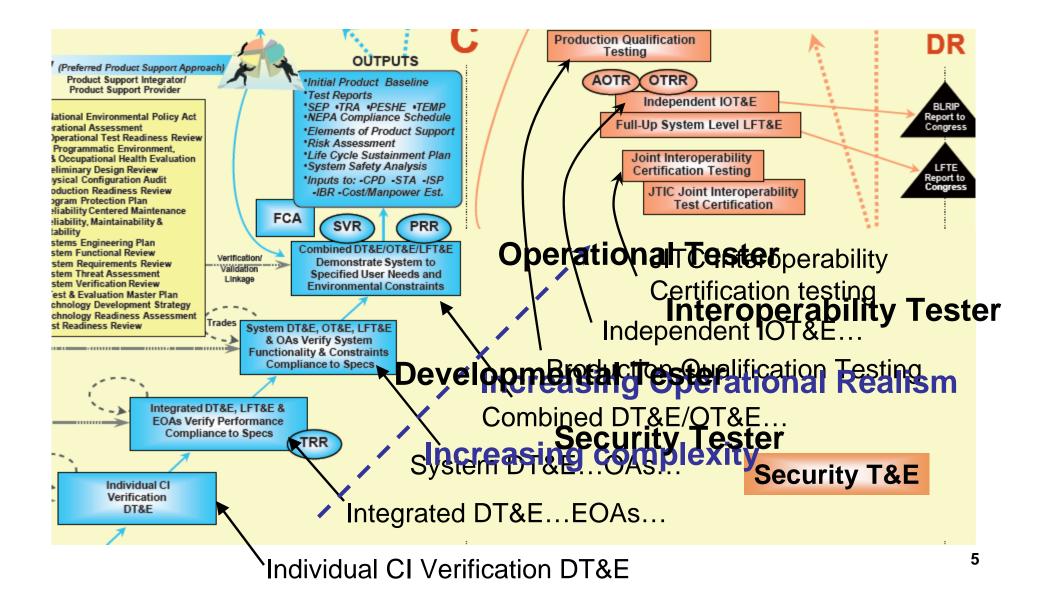


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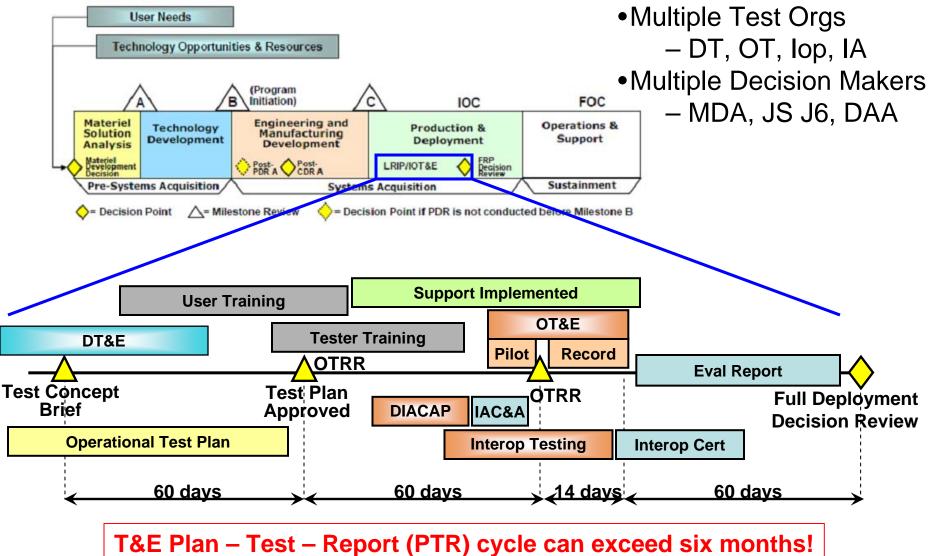
#### **T&E** in Acquisition Lifecycle

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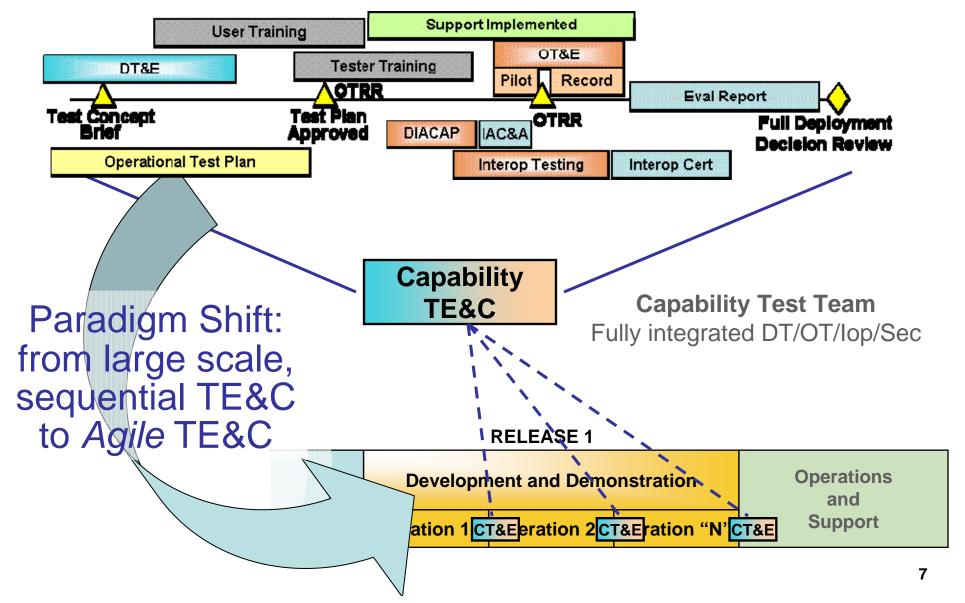


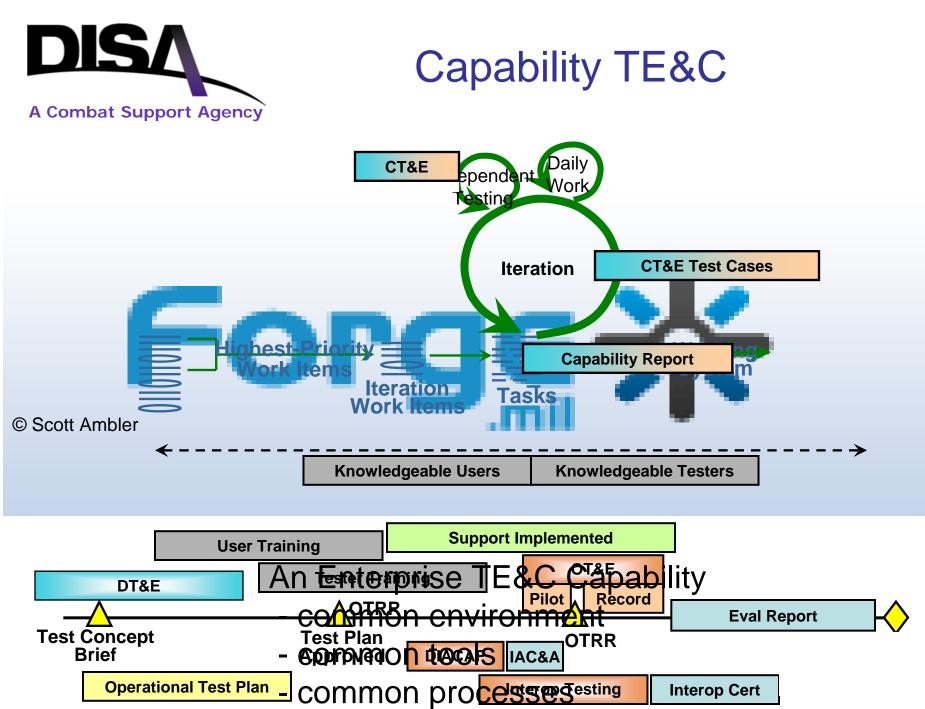
## DISA DoD Test, Evaluation & Certification

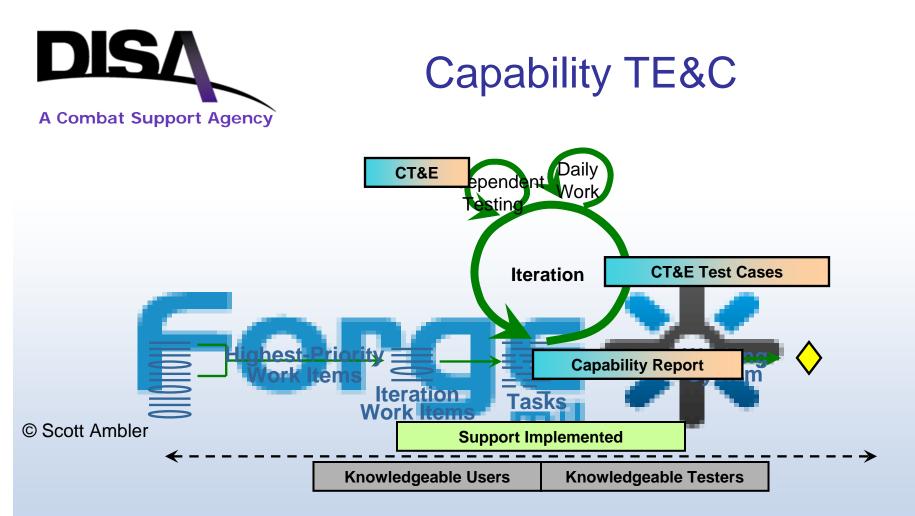
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- Responsible Test Organization – Coordinates test assets
- Empowered Capability Test Team – Executes testing
- Ready access to knowledgeable users
- Automation essential!

- Rapid Plan Test Report Cycle
  - Risk based; mission focused
  - Relevant critical technical parameters
  - Relevant key performance parameters
  - Relevant interoperability measures
  - Relevant security measures



#### Summary

- New IT Acquisition model is coming
- TE&C processes must adapt
  - Responsive to iterative, incremental development
  - Responsive to User priorities
  - Lean processes!
  - High optempo
- Dramatically reduced TE&C timelines
- Objective: Rapid fielding of enhanced IT capabilities to the Warfighter

