# ACCELERATE

Speed to Mission Impact

Pete Modigliani
<a href="mailto:pmodigliani@mitre.org">pmodigliani@mitre.org</a>
(703) 983-9131
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https://aida.mitre.org/accelerate/





# **Purpose / Outline**

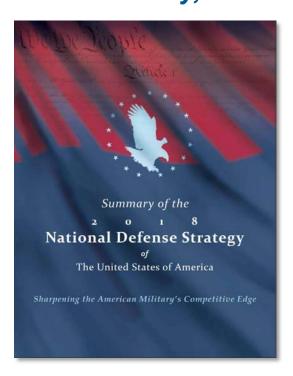
# Research Question: What are the proven strategies for organizations to deliver capabilities faster?

- Need for Speed and Barriers to Going Fast
- Research Approach
- Initial Set of Accelerate Strategies



# National Defense Strategy – Accelerate

"Success goes to the country that better integrates technology and adapts its way of fighting. Our response will be to prioritize speed of delivery, continuous adaptation, and frequent upgrades."



- Deliver at the speed of relevance
- Organize for innovation
- Streamline rapid, iterative approaches from development to fielding



# Leadership Need for Speed



"We need to move faster!" Dr. Griffin, USD(R&E)



"It's all about velocity" Ms. Lord, USD(A&S)



"Focus on speed-to-field" Mr. Shaffer, DUSD(A&S)



"U.S. lost its ability to go fast" Gen Hyten, USSTRATCOM and nominee for VCJCS



Mr. McCarthy, USecA

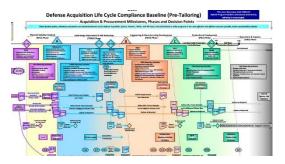


"We have to go faster" "Velocity is my advantage" Mr. Guerts, Navy SAE



# We're Not Positioned for Speed

# **Lengthy, Complex Acquisition Environment**



Large, Overly Defined, Static Requirements



Lengthy Budget Processes with Onerous Rules



Lengthy Contracting
Timelines and Protests



Siloed, Large, Complex
Systems and Extensive Testing



Risk-averse Culture
Many Reviews and Docs



And we wonder why it takes a decade or longer to field

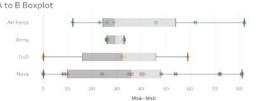


# **Accelerate Research Approach**

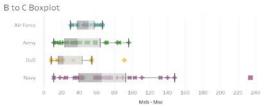




Interview key leaders and practitioners



- Capture insights from executive speeches
- DoD schedule analysis identify edge cases



- Read reports, program documents, and articles
- Drafted set of strategies and tactics









# **Accelerate Strategies and Tactics**

#### Culture

- Develop Culture Change Plan
- Culture of Experimentation
- Delegate Decision Authorities
- Recognize Your People
- Communicate Why
- Run With Scissors
- Train Your People

#### Requirements

- Deliver a first MVP ASAP!
- Iterate, Iterate, Iterate
- Build a Portfolio of Requirements
- Think Inside the IT Box
- Manage Dynamic Backlogs
- Engage Your Users Regularly
- Activate the Stormdraining

#### **System Design**

- Modular Open Sys Arch
- Just Keep Trimming
- Ride the Simplicity Cycle
- Cross the Valley of Death
- Apply Design Thinking
- Think Holistically
- Own the Technical Baseline

#### **Execution**

- Think Portfolios, Not Programs
- Adopt Agile Practices
- Lean on Me
- Form Small High Perf Teams
- Do Just Enough Docs
- Minimize Doc Coordination
- Tailor Acquisition Pathways

#### Contracting

- Speed with the FAR
- Tap an OTA Consortium
- Make a Broad Agency Announcement
- Challenge Industry to Demonstrate Solutions

#### Initial set designed to help Accelerate programs



#### **Accelerate Culture**

- Flatten the organization and delegate decision authorities
- Identify a program champion from the operational environment
- Set expectations, establish goals, and provide incentives
- Support higher risk tolerance fail fast and learn

#### **Accelerate Strategies**

- Develop Culture Change Plan
- Culture of Experimentation
- Delegate Decision Authorities
- Recognize Your People
- Communicate Why
- Run With Scissors
- Train Your People







# **Accelerate Requirements**

- Smaller the scope, faster the delivery 80% solution today!
- Smaller requirements docs = rapid Don't overly define solution
- Operational sponsors capture high level objectives via short docs
- Empower a Product Owner to set vision, shape detailed requirements
- Current release should leverage only mature technologies/COTS

#### **Accelerate Strategies**

- Deliver a first MVP ASAP!
- Iterate, Iterate, Iterate
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# **Accelerate System Design**

- Reuse Someone probably solved your problem already
- Modularity Ensures design is responsive to new requirements
- Simplicity Complexity adds friction, fragility, and unpredictability
- Focus Priorities Reduces wasted time and missed opportunities
- Smallness Large programs cost more, take longer, and do less

#### **Accelerate Strategies**

- Build a Modular Open System Approach
- Just Keep Trimming
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- Apply Design Thinking
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#### **Accelerate Execution**

- A small, high performing team will outperform a very large team
- Frequent coordination with end users reduces operational risks
- Constraints foster creativity by eliminating the obvious solution
- Build for the short term, resist unnecessary delays
- PM's influence is inversely proportional to the program's budget

#### **Accelerate Strategies**

- Think Portfolios, Not Programs
- Adopt Agile Practices
- Lean on Me
- Form Small High Perf Teams
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# **Accelerate Contracting**

- Contracting is a holistic business strategy for the organization
- Leverage existing contracts/resources before developing new ones
- Engage contracting as partners to achieve mission objectives
- Gov't contractor relationship must be a partnership to succeed
- Gov't and contractors must be incentivized for speed

#### **Accelerate Strategies**

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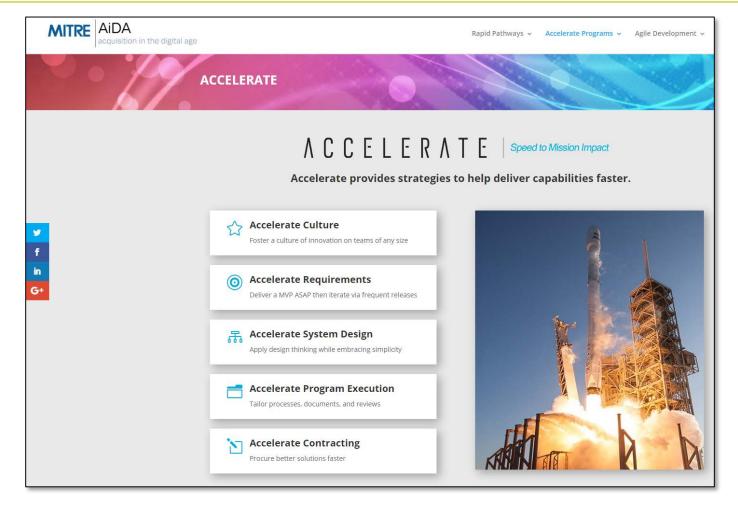
# **Summary**

- Urgency to deliver programs and capabilities sooner
- Leadership must establish a culture focused on speed many are
- Attack the biggest schedule drivers lean out the processes
- Rethink core elements of design, contracting, requirements, docs
- Mix of strategies and tools tailored to each organization/program

# A C C E L E R A T E Speed to Mission Impact



# **View Accelerate Strategies Online**



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