



SPECIAL OPERATIONS FORCES ACQUISITION, TECHNOLOGY, & LOGISTICS
EXPANDING THE COMPETITIVE SPACE



COL Paul Weizer, Program Executive Officer
SOF DIGITAL APPLICATIONS



PEO-SOF Digital Applications



Vision:

Provide USSOCOM a “One-Stop-Shop” for SOF software intensive digital applications

Mission:

Rapidly consolidate, integrate, acquire, and/or divest of SOF unique software solutions through use of the Adaptive Acquisition Framework and commercial “best practices” while providing “cradle-to-grave” management for the duration of required capabilities

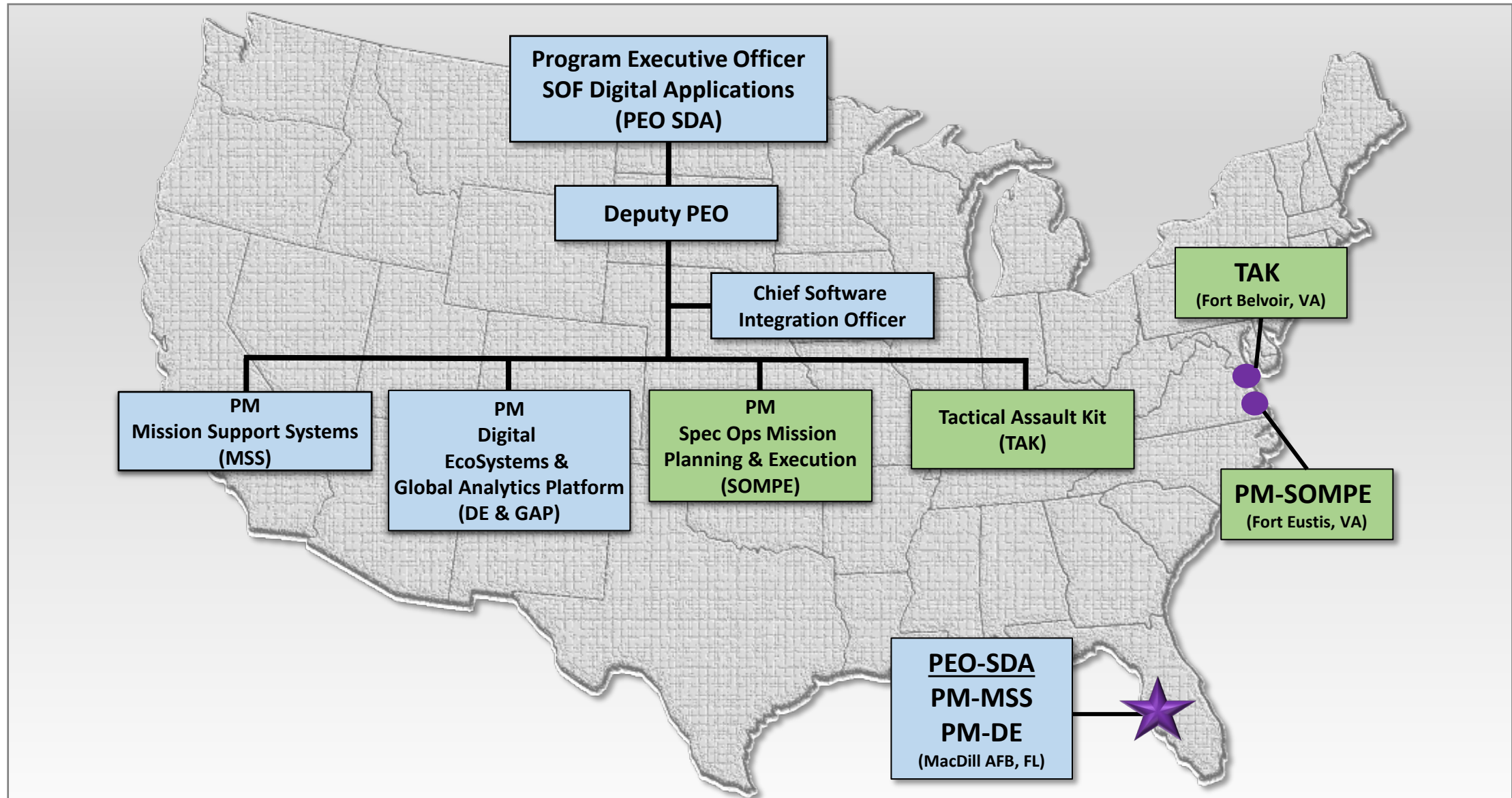
PEO SDA has three product-line portfolios and 1 “Gov’t Software Factory”

- **Mission Support Systems:** Intelligence and Operations analytics systems that provide a unified SOF Common Intelligence Picture and Common Operating Picture (CIP/COP) and decision support to USSOCOM Commanders/Operators at all echelons. Delivers interoperability and integration required for synchronized SOF Global Situational Awareness
- **SOF Digital EcoSystem:** Data Analytics Services and Tools
- **Special Operations Mission Planning and Execution:** Mission planning & execution software tools (SOF Air, Ground & Maritime)
- **Tactical Assault Kit (TAK):** Suite of Map-Based, Situational Awareness (SA) Software Applications across multiple platforms to include Android, iOS, Windows, Linux and HTML, that provides Tactical Capabilities for Military, Federal Government, and Civil 1st Responder operations

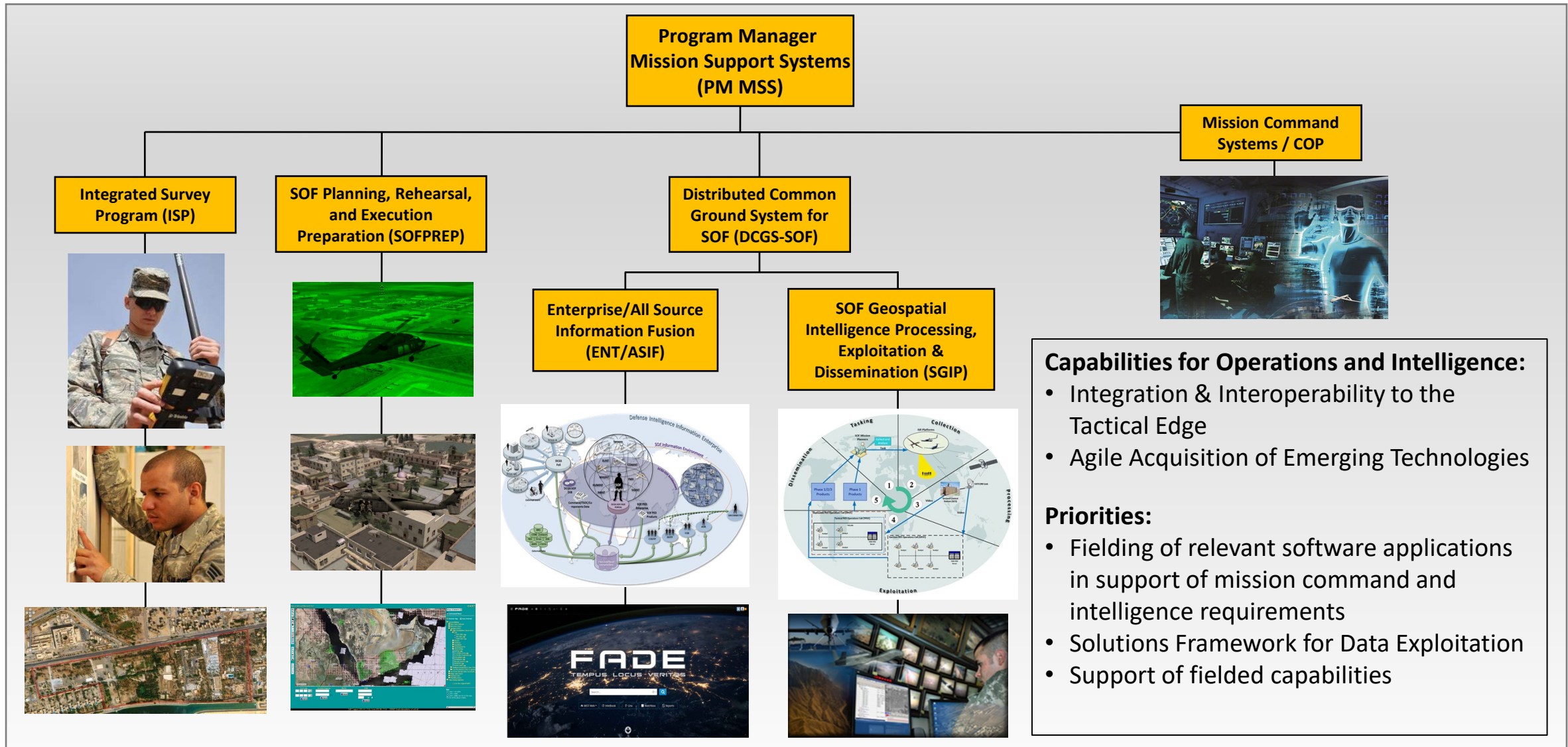
Challenges & Opportunities

- **USSOCOM Implementation Policy in Staffing -> DoDI 5000.02 (Adaptive Acquisition Framework) and 5000.87 (Software Acquisition Pathway)**
- **Strategizing a software POM position to be flexible enough to react to rapidly changing software environment**
- **Overcoming Bureaucratic Inertia -> Not all at stakeholders are on board with change**
- **Understanding (and employing) the greater DoD DevSecOps Community**
 - The “Achilles Heal” of PEO SDA is not having a DevSecOps environment w/cATO ready for use / interoperable w/other Components/Services
- **What is SOF Unique about Software/DevSecOps? (MFP11 vice P2)**
- **How do we reach non-traditional software developers?**
 - Seek unique approaches to solving complex problems
 - Protect innovative firms from becoming “government” vendors

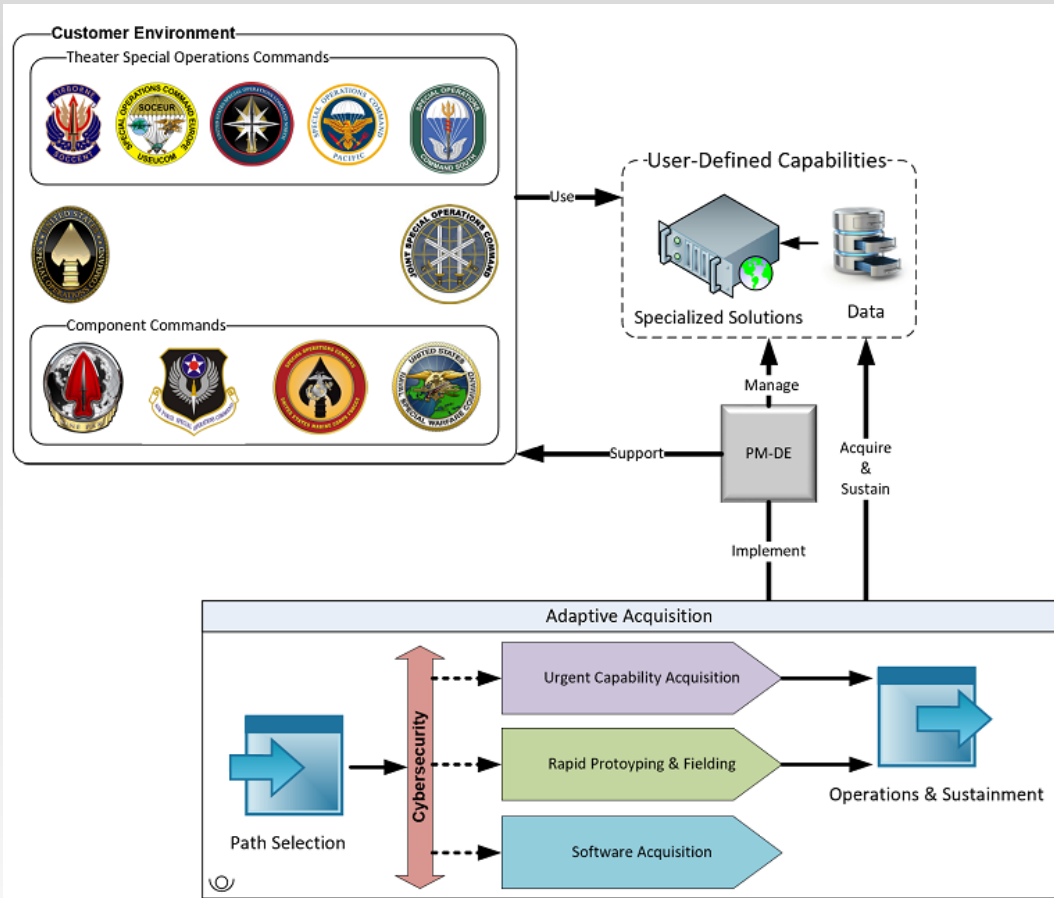
PEO-SOF Digital Applications



Mission Support Systems (MSS)



Special Operations Forces Digital EcoSystem



Environment

- Industry rapidly creating new opportunities to collect and use digital information
- SOF operator's pursuit of the advantage in the battlespace is relentless

Requirement

- Consolidated SOF user needs
- Enterprise solutions
- Continuous capability improvement

Opportunities with Industry

- Early insight into future capabilities
- Solutions supporting worldwide operations
- Contracts supporting rapid fielding and enterprise solutions

Special Operation Mission Planning and Execution (SOMPE)

EXECUTION PLANNING (XPlan)



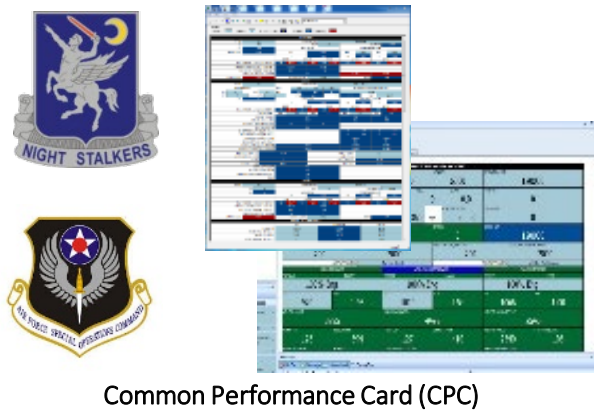
TACTICAL ASSAULT KIT (TAK)



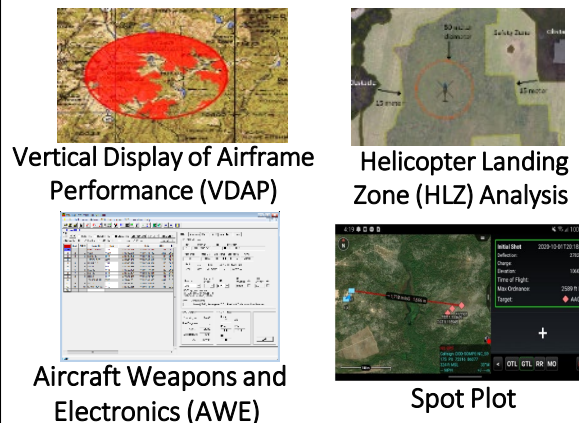
MISSION PLANNING SUPPORT ENGINEERS, DT, INTEGRATION, SETA



PERFORMANCE PLANNING



TACTICAL APPLICATIONS



OPPORTUNITIES

- Transitioning mission planning tools into mobile environment
- Automated Route Guidance

Tactical Assault Kit/Team Awareness Kit (TAK)

Description:

- TAK is a line of Map-Based, Situational Awareness (SA) Software Applications across multiple platforms to include Android, iOS, Windows, Linux and HTML, that provides Tactical Capabilities for Military and Federal Government operations.
- Extensible plugin architecture that allows enhanced capabilities for specific mission sets (Direct Action, Combat Advising, Law Enforcement, Protection Operations, Border Security, Disaster Response).

TAK is a software development platform – not a software product

Capabilities/Plug-ins

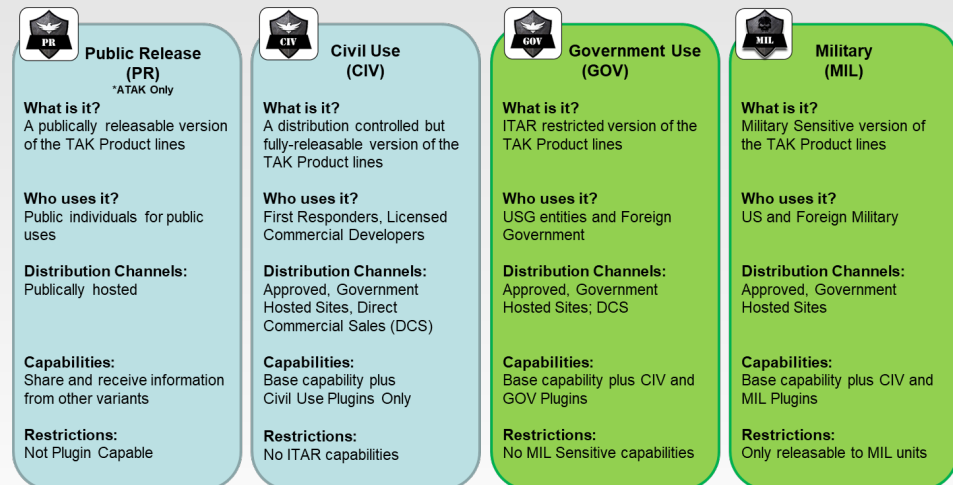
- Map Rendering/Imagery Support
- ISR (Rover) Tools with VDL
- Tactical Chat
- SADL/Link-16 Support
- Jumpmaster Tools (HALO/HAHO)
- Route Planning and Navigation Tools
- UAV Control (Asset and Payload)
- Tactical Survey Tools
- Range and Bearing
- Radio Controls incl: Wave Relay, TrellisWare, Harris SA
- Mode (simple on/off), Most Rover VDL (SIR, TRE, Rover 6, etc)

Family of Software



All share the same core - unique but interoperable

Variants of TAK Product Lines





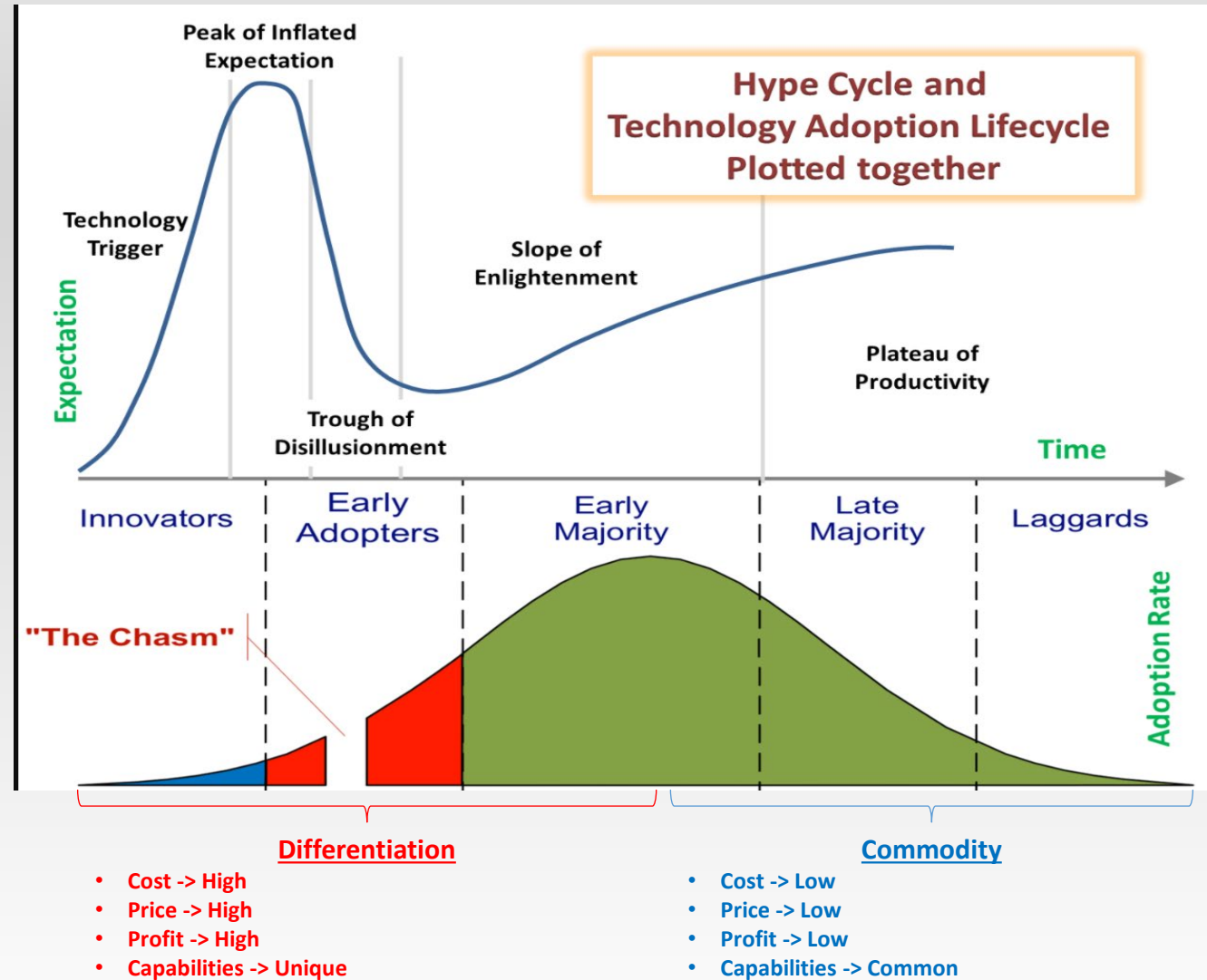
Portfolio Questions

The Software Acquisition Dilemma

AKA -> "COL Weizer's Stream of Unfiltered Conscience"

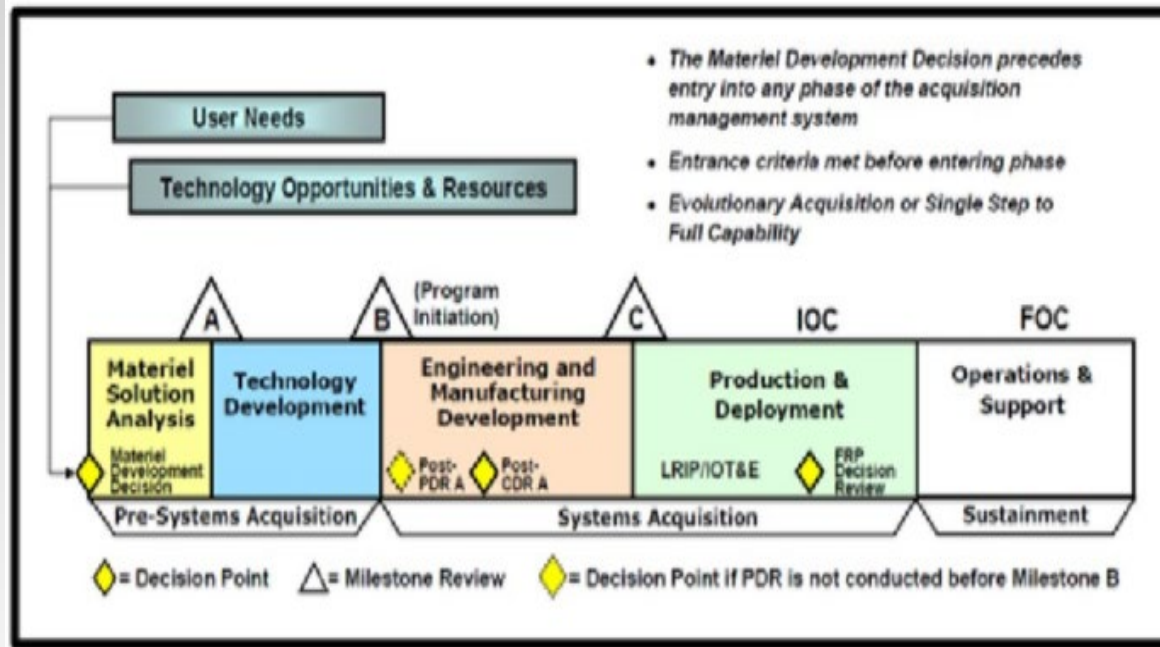
The Industry Development Decision Cycle

Differentiation -> Commodity

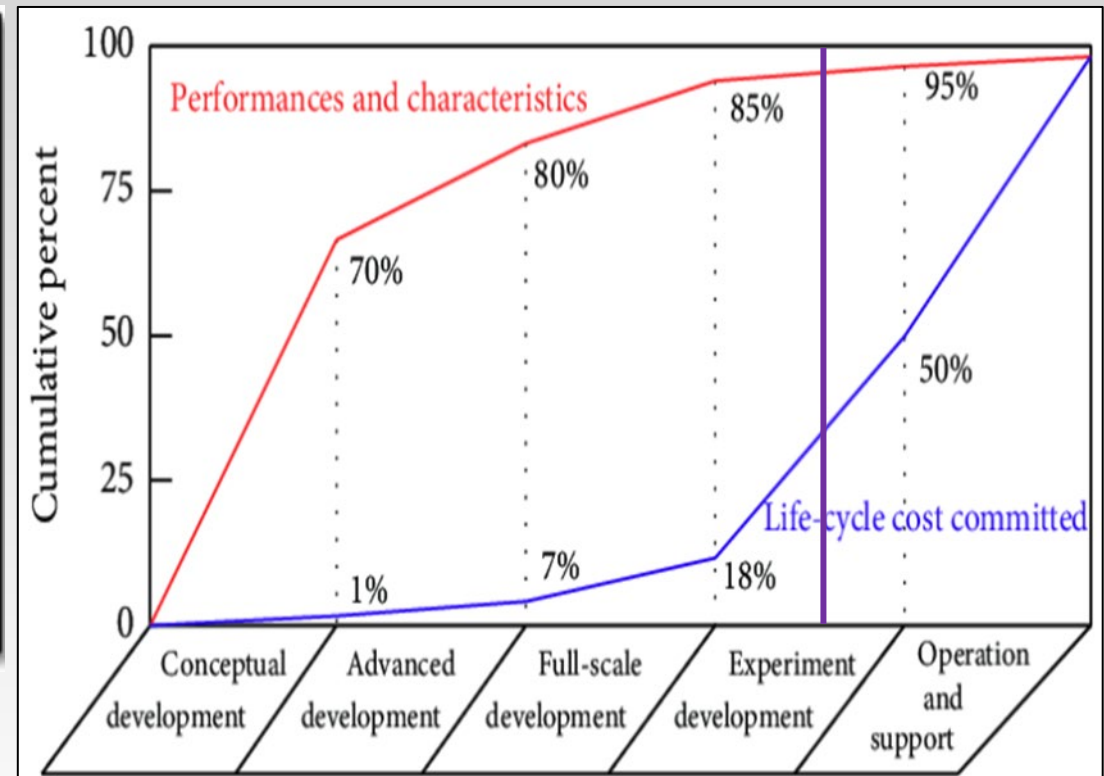


DoD Materiel Development Process

Traditional Linear “Waterfall” Process

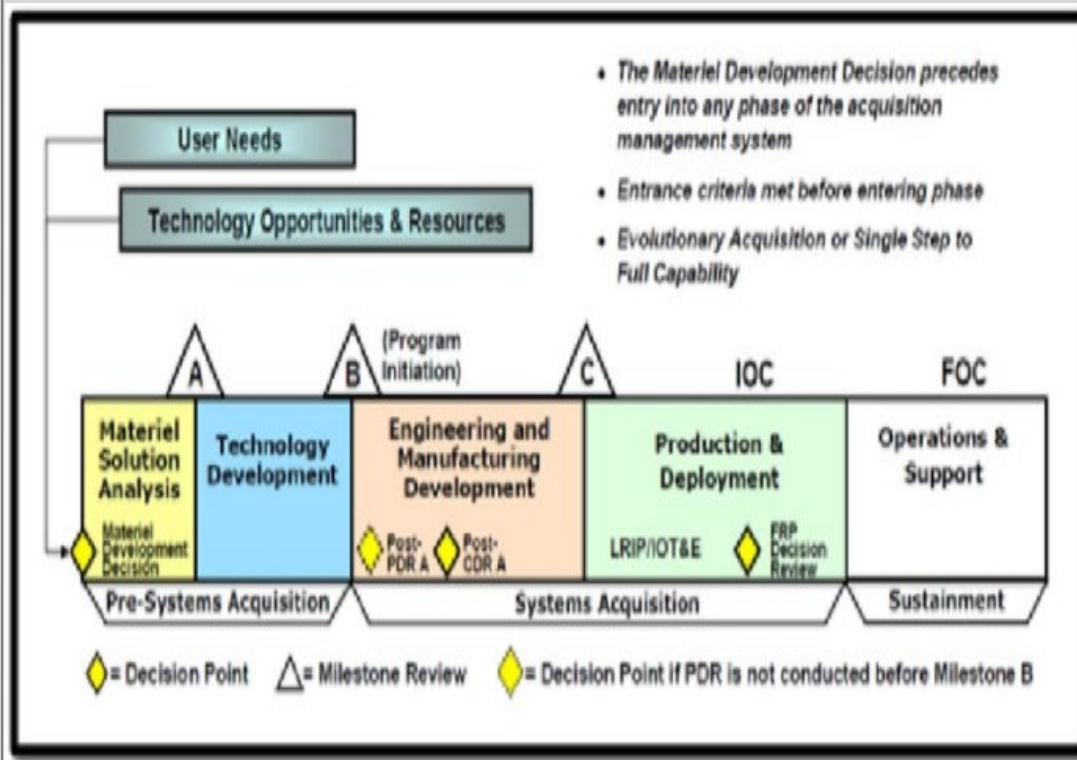


This is What Success Looks Like

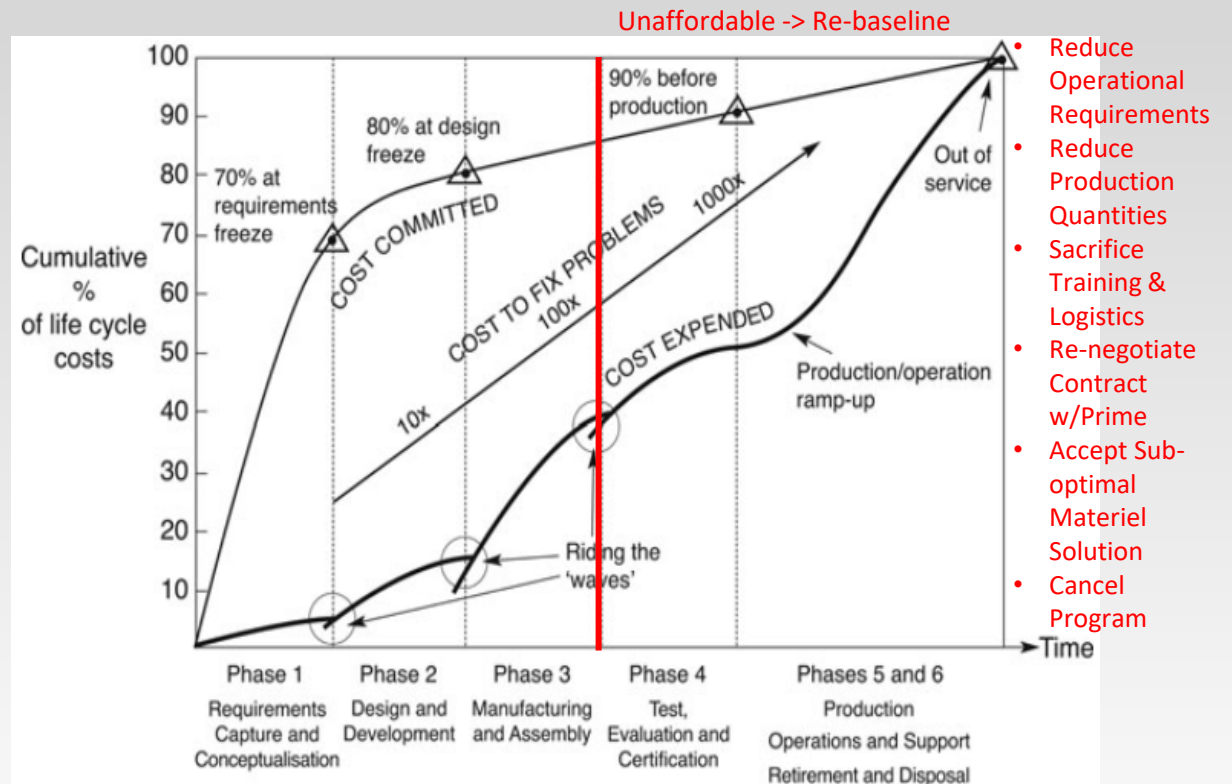


DoD Materiel Development Process

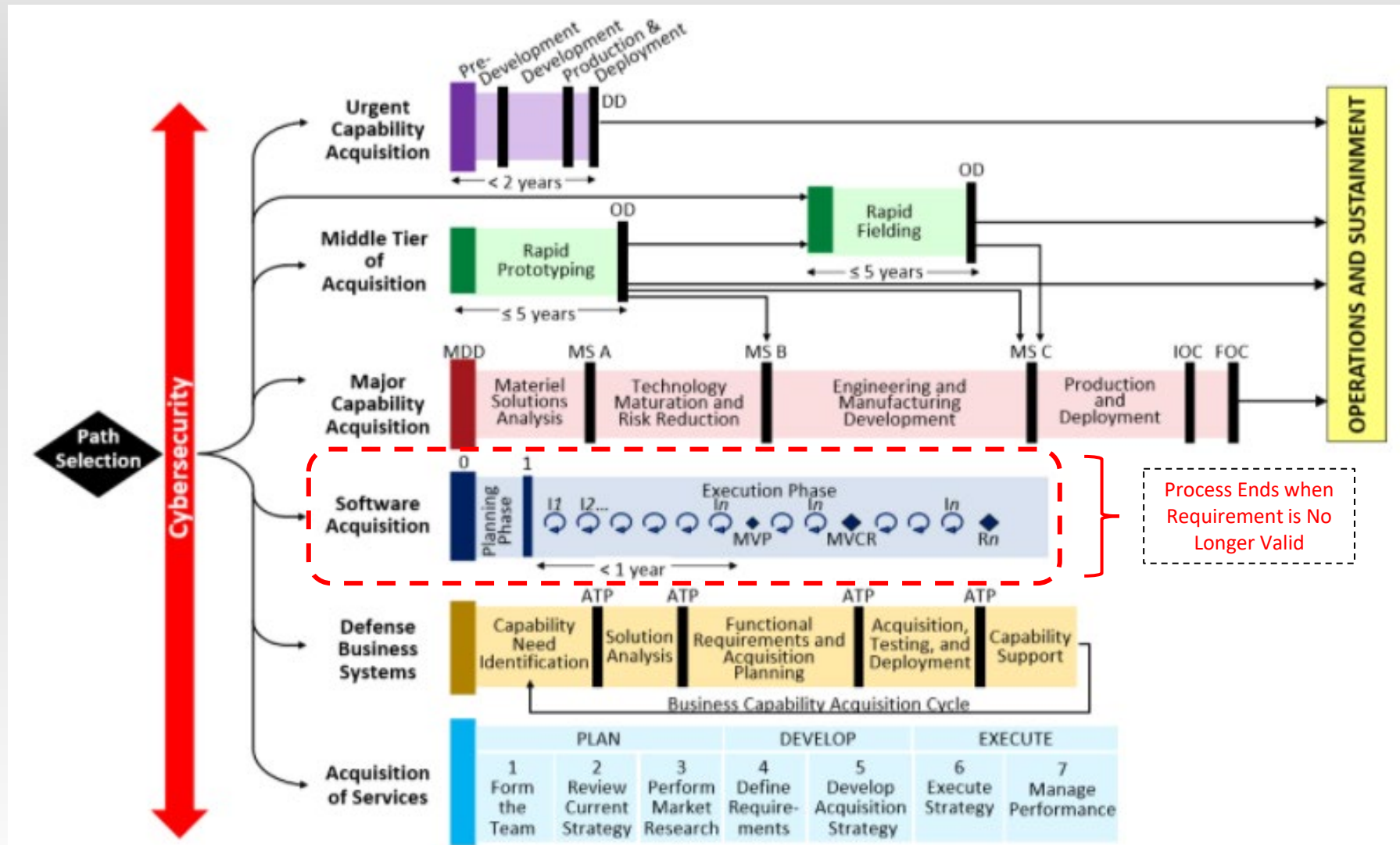
Traditional Linear “Waterfall” Process



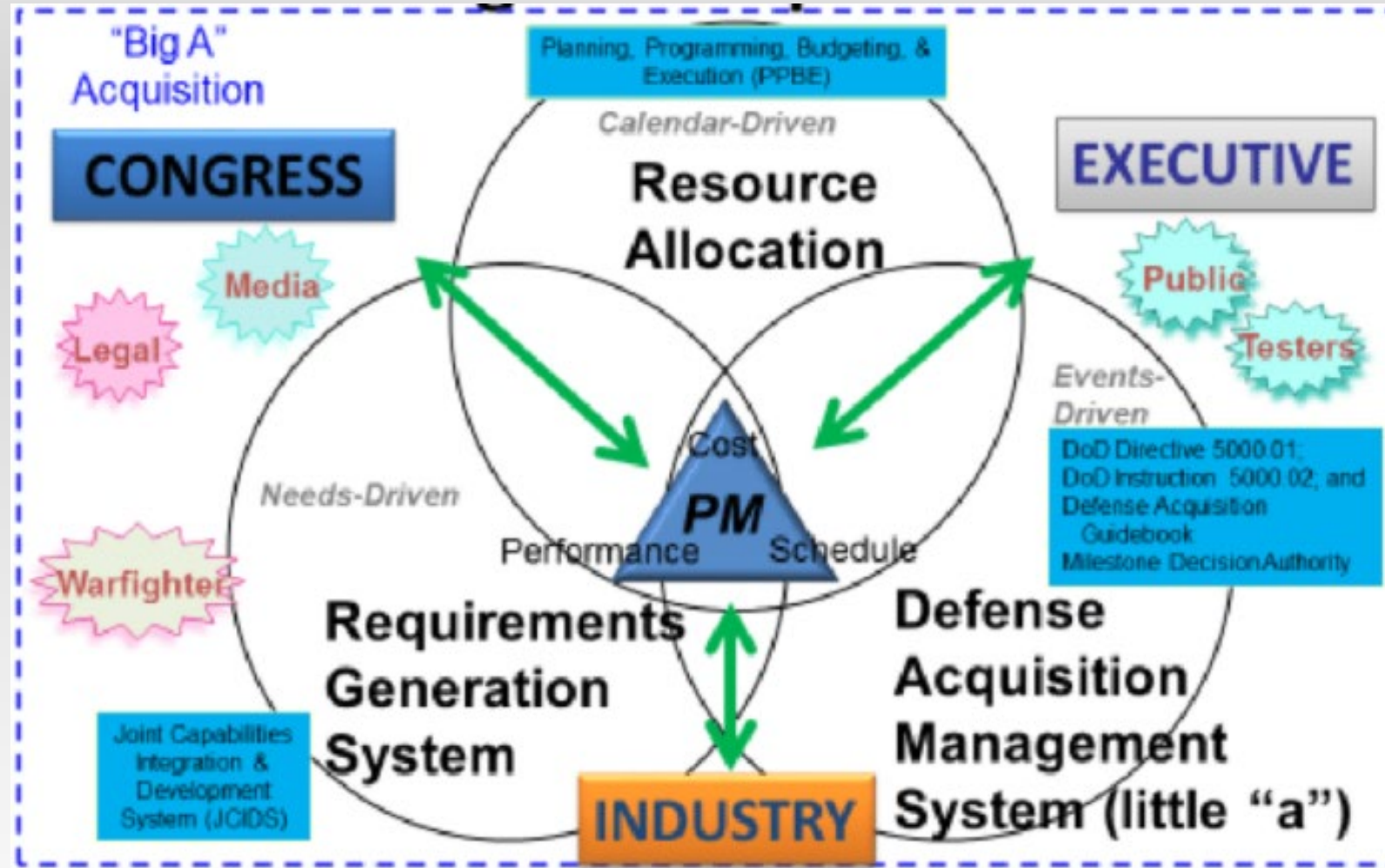
This is What Reality Looks Like



New DoDI 5000.87 -> Software Acquisition Pathway



Big "A" Defense Acquisition

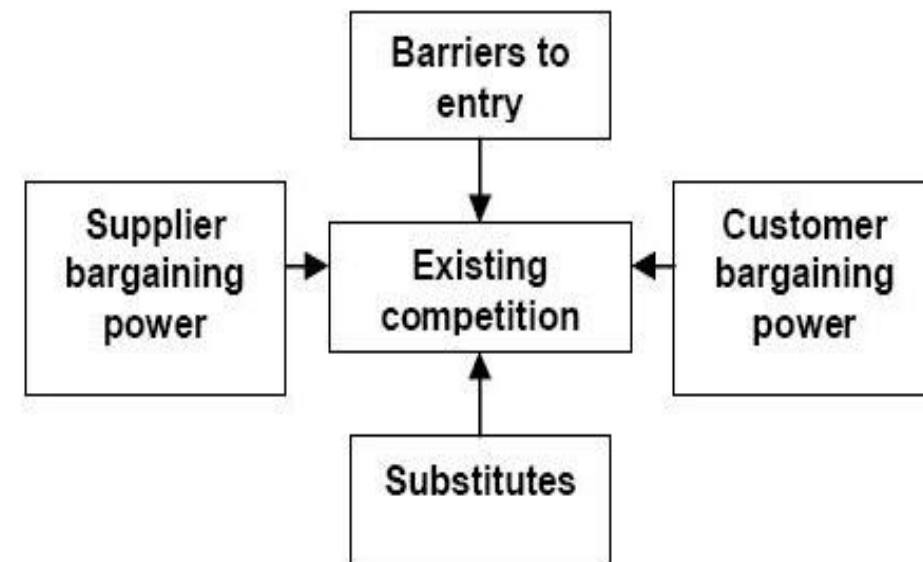


How Do We Provide Information Dominance at the Speed of Relevance to the SOF Warfighter?

Is this a Make versus Buy Decision?

- Development efforts are not timely
- Exquisite capabilities are costly to acquire and costly to maintain
- DoD does not have a comparative advantage in this space

What Would Michael Porter Say?



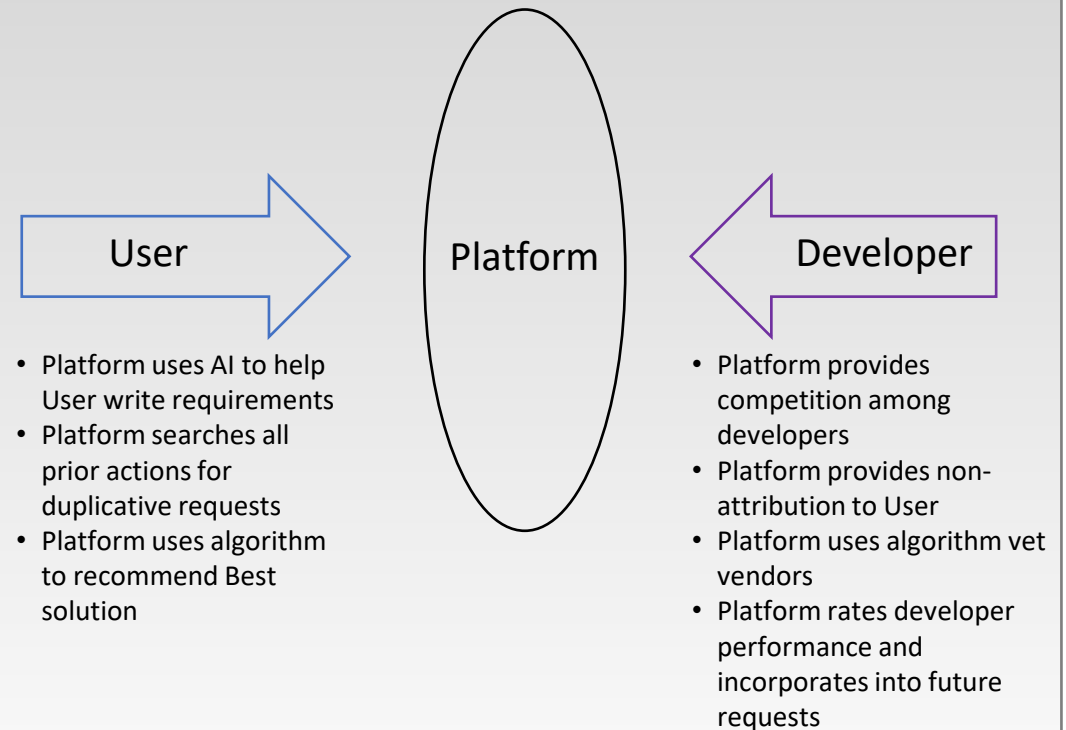
Is There a Model We Can Use to Shape Our Strategy?

Metrics

- Controls Cost Growth
- Capabilities Improve Over Time
- Reduces Communication Nodes Between End-User and Developer
- Avoids Vendor Lock
- Automates Tasks to the Greatest Extent
- Follows Commercial Best Practices/Standards

Government Managed / Vendor Operated

“Marketplace”



Final Questions

POINT OF CONTACT

USSOCOM SOF AT&L, Engage SOF (eSOF)
(813) 826-9482