Software Experts Panel: DoD Software Engineering

Software Is Immortal: DoD Transformation Initiatives to Improve Software Acquisition Outcomes

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USD(R&E) Mission

- **Ensure Technological Superiority for the U.S. Military**
  - Set the technical direction for the Department of Defense (DoD)
  - Champion and pursue new capabilities, concepts, and prototyping activities throughout the DoD research and development enterprise

- **Bolster Modernization**
  - Pilot new acquisition pathways and concepts of operation
  - Accelerate capabilities to the Warfighter

“Our mission is to ensure that we, if necessary, reestablish and then maintain our technical advantage.” – Under Secretary Griffin, April 2018
Modernization Priorities

“We cannot expect success fighting tomorrow’s conflicts with yesterday’s weapons or equipment.”

– National Defense Strategy

- 5G
- Autonomy
- Biotechnology
- Cyber
- Directed Energy
- Fully Networked Command, Control, and Communications
- Hypersonics
- Machine Learning / Artificial Intelligence
- Microelectronics
- Quantum Science
- Space

For each modernization priority, a Portfolio Manager (Assistant Director) is responsible for establishing the DoD-wide, mission-focused strategy and execution plan.
Software Expert Panel Members

➢ Dr. Jeffrey Boleng
OUSD(A&S) Special Assistant for Software Acquisition – DIB SWAP (Defense Innovation Board Software Acquisition and Practices) overview/summary, how the commercial sector acquires (develops software) and how DoD acquires software. Refactoring DoD acquisition policy for software and the software acquisition pathway policy.

➢ Ms. Robin Yeman

➢ Mr. Leo Garciga
US Army G2 Senior Executive – Software transformation initiatives, and JIDO (Joint Improvised-Threat Defeat Organization) DevSecOps software development.

➢ Mr. Sean Brady
Defense Acquisition University Learning Director, Software – DevSecOps Academy and Software Alliance, workshops, competencies, training, and modernizing the future DoD workforce.
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