



# **DoD Joint Federated Assurance Center (JFAC) 2017 Update**

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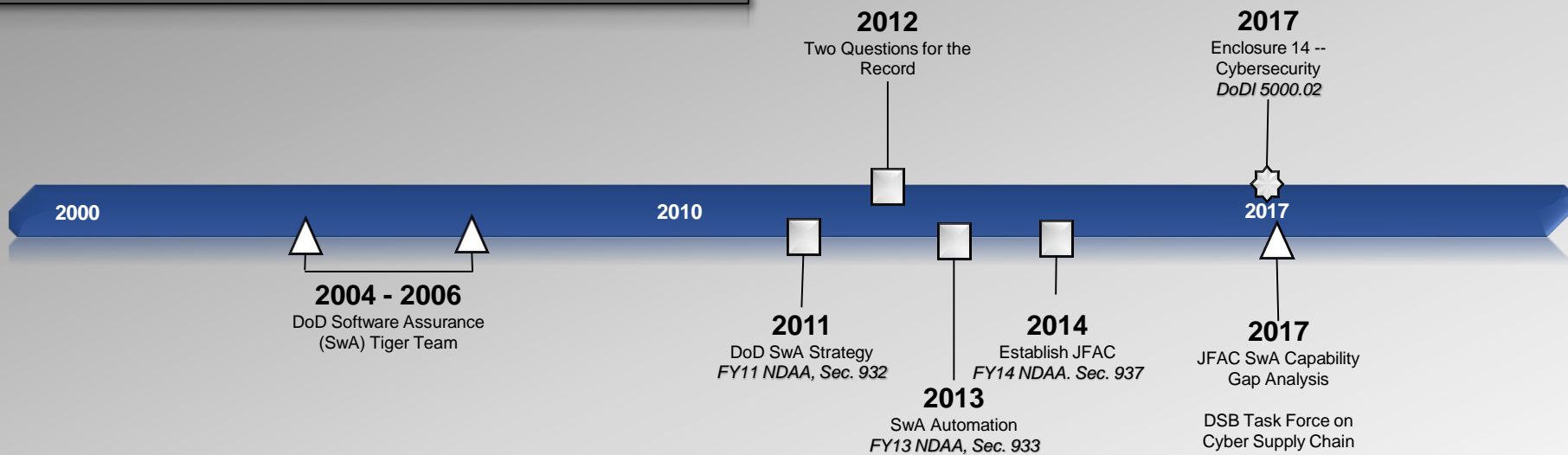
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# How Did We Get Here?

## LEGEND

 Policy & Guidance
  Congressional Actions
  Reports



**Congress and DoD have acknowledged the need for increased software assurance to improve confidence in secure and resilient weapon systems for over a decade.**

JFAC: Joint Federated Assurance Center



# Joint Federated Assurance Center (JFAC)



## FY14 NDAA Section 937—Joint Federated Assurance Center (JFAC)

### Key provisions:

- “provide for the establishment of a **joint federation of capabilities** to support the trusted defense system needs...to ensure security in the **software** and **hardware** developed, acquired, maintained, and used by the Department”
- “consider whether capabilities can be met by existing centers”
- “[if gaps] shall devise a strategy [for] resources [to fill such gaps]”
- “[NLT 180 days, SECDEF shall] issue a **charter**...”
- “submit to congressional defense committees...a **report** on funding and management”

### Charter elements:

- Role of federation in supporting program offices
- SwA and HwA expertise and capabilities of the Federation, including policies, standards, requirements, best practices contracting, training and testing
- R&D program to improve code vulnerability analysis and testing tools
- Requirements to procure manage, and distribute enterprise licenses for analysis tools



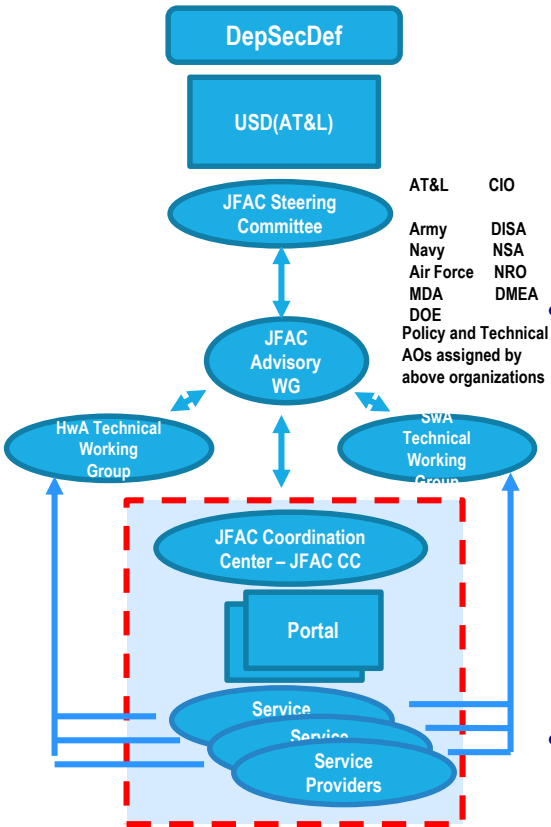
# What Has DoD Done?



- **Development of Concept of Operations (CONOPs) and Charter**
- **Establishment of JFAC Coordination Center (JFAC-CC), Steering Committees, Working Groups (WGs)**
- **Piloting Software Assurance (SwA) license distribution and management**
- **Conduct SwA and Hardware Assurance (HwA) Capability Gap Analysis**



# JFAC Operational Structure



## • SwA and HwA Working Groups

- Collaboration and shared prioritization in daily/weekly activities, meet on a regular basis
- Recommend policy and guidance
- Provide community forum for “hard problem” analysis and question/answer

## • JFAC Coordination Center

- Coordination of **Service Providers**
- Supports programs with situational awareness, information/best practices, coordination
- SwA analysis tool license distribution
- **Portal:** <https://jfac.army.mil>
- Assessment Knowledge Base (future)

## • JFAC Action Officer (AO) WG

- AOs for JFAC Steering Committee
- Maintain enterprise and strategy cognizance
- Reporting and ROI status





# What's Going On Now?



- **JFAC Web portal and SwA tool license distribution**
- **Security Classification Guide**
- **Field Programmable Gate Array (FPGA) Strategy**
- **Resourcing**



# What's Next?



- **Develop JFAC Full Operational Capability (FOC) strategy**
  - Improve DoD SwA throughout Lifecycle Planning, Execution and Sustainment
  - Invest in Technology and Resources
  - Upgraded Infrastructure for Federated DoD-wide Coordination of Software Assurance
  - Linking Sustainment to Early Program Development
- **JFAC website on SIPR, JWICS**
  - One-stop shop for SwA tools and best practices
  - New S&T and Assessment Knowledge Base portals
  - <https://jfac.army.mil>



# Conclusion



- **The JFAC's goal is to provide DoD programs a one-stop shop to request, evaluate, and obtain resources to improve their software assurance practice.**
  - SwA analysis tool license distribution and management
  - Service providers for programs' SwA work; SMEs focused on hard problems
  - SwA best practices
- **JFAC is addressing key software assurance gaps.**
  - Developing FOC strategy to execute as resourcing becomes available
  - Publishing best practices at JFAC web portal (<https://jfac.army.mil>)





# Systems Engineering: Critical to Defense Acquisition



***Defense Innovation Marketplace***  
<http://www.defenseinnovationmarketplace.mil>

***DASD, Systems Engineering***  
<http://www.acq.osd.mil/se>



# For Additional Information



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