# Joint Federated Assurance Center Software Bill of Materials

Mr. Brian Nowotny Director, Joint Federated Assurance Center Office of the Under Secretary of Defense for Research and Engineering February 29<sup>th</sup>, 2024





### **Joint Federated Assurance Center**

**Director: Mr. Brian Nowotny** 

**Mission:** The Joint Federated Assurance Center (JFAC) provides a federation of software and hardware assurance capabilities across the Department of Defense (DoD).

Vision: Building Trust through Holistic Assurance

Origin: Fiscal Year (FY) 2013 National Defense Authorization Act (NDAA) Section 933 (Software

Assurance), FY 2014 NDAA Section 937 (JFAC), 2015 Deputy Secretary of Defense JFAC Policy Memo

System Application: DoD weapon systems, DoD information systems, and national security systems

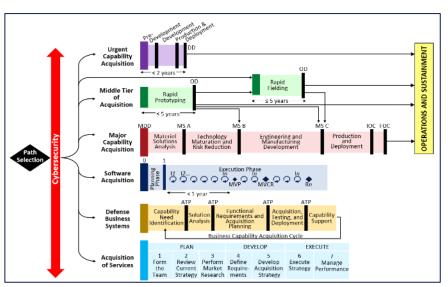
### **JFAC Strategic Goals**

- Stay ahead of the threat landscape
- Migrate towards holistic assurance across the lifecycle
- Maximize discovery and utilization of federated assurance resources
- Mature assurance technologies and deliver capabilities at the speed of mission
- Provide affordable and scalable assurance solutions





### Holistic Assurance Across the Lifecycle



**Across the Lifecycle** 

**Supply Chain Assurance** 

Micro

Mission Assurance

System of Systems Assurance Interoperability

#### **System Assurance**

Information
Weapon Systems National
Systems Security Systems

Hardware Assurance

**Software Assurance** 

Subsystem Embedded Applications

Assemblies

Parts

Data

**Operating Systems** 

Microelectronics Au

Autonomy

**Artificial Intelligence** 

### **Assurance Principles**

Digital (Machine-Consumable)
Modular Assurance Evidence
Composable
Traceable
Automated
Aggregated
Enterprise-View

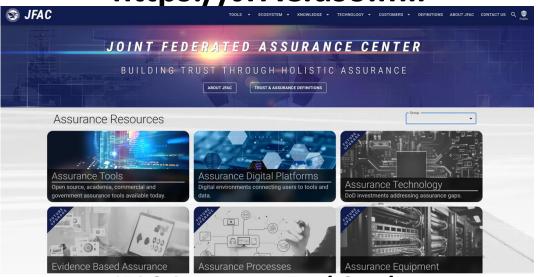


Operational Run-Time Assurance



## JFAC Engagement Opportunities

JFAC Portal https://JFAC.dso.mil

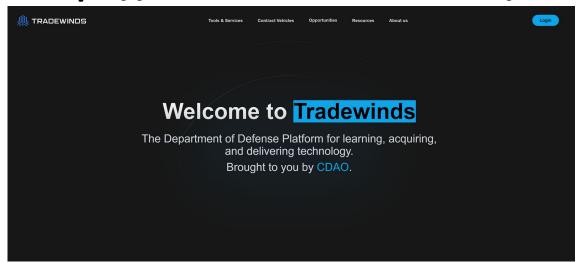


#### **JFAC Assurance Tool Catalog**

- Add your organization's products
- Update product information
- Provide product demonstration videos
- Identify product training materials

**Includes Software Bill of Materials (SBOM) Tools** 

# JFAC Acquisitions https://www.tradewindai.com/



#### **Previous Announcements**

- Assurance Tool Catalog
- Assurance Tool Platform
- Automated, Enterprise-Scale, Assurance Case Framework