



JITC

Joint Interoperability Test Command

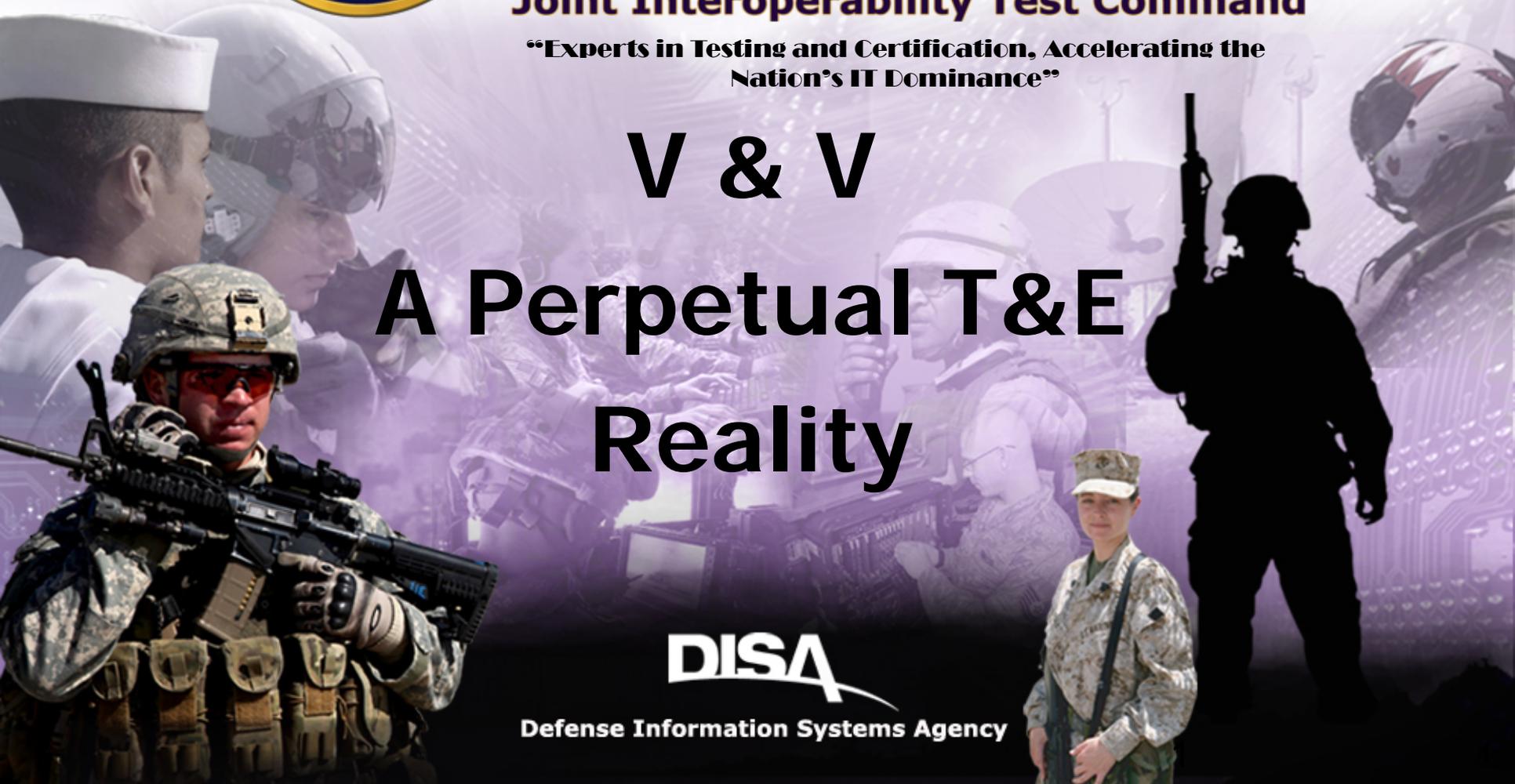
“Experts in Testing and Certification, Accelerating the Nation’s IT Dominance”

V & V

A Perpetual T&E Reality

DISA

Defense Information Systems Agency





Outline

- JITC Overview
- V&V Across the Life Cycle
- Perpetual Truth Teller
- Summary and Questions



Chain of Command



Reporting Authorities

JOINT STAFF

DOT&E



Interoperability

Operational Test

JITC



***DISA/JITC has Direct and Responsive Roles to DoD /DHS
DOT&E and JS***

Mission, Vision, and Unique Roles



MISSION: JITC professionally tests, operationally evaluates, and certifies IT capabilities for joint interoperability, enabling information dominance and increasing warfighter effectiveness for the Nation.

VISION: Experts in testing and certification, accelerating the Nation's IT dominance.

*Joint
Interoperability
Certifier*

DoD's Information
Technology (IT) and
National Security
Systems (NSS)

*Operational
Test
Agency*

DISA and other DoD
elements
(IT Capabilities)

*Warfighter Joint
and Coalition
Interoperability
Support*

COCOMs during their
exercises, contingencies,
and operations



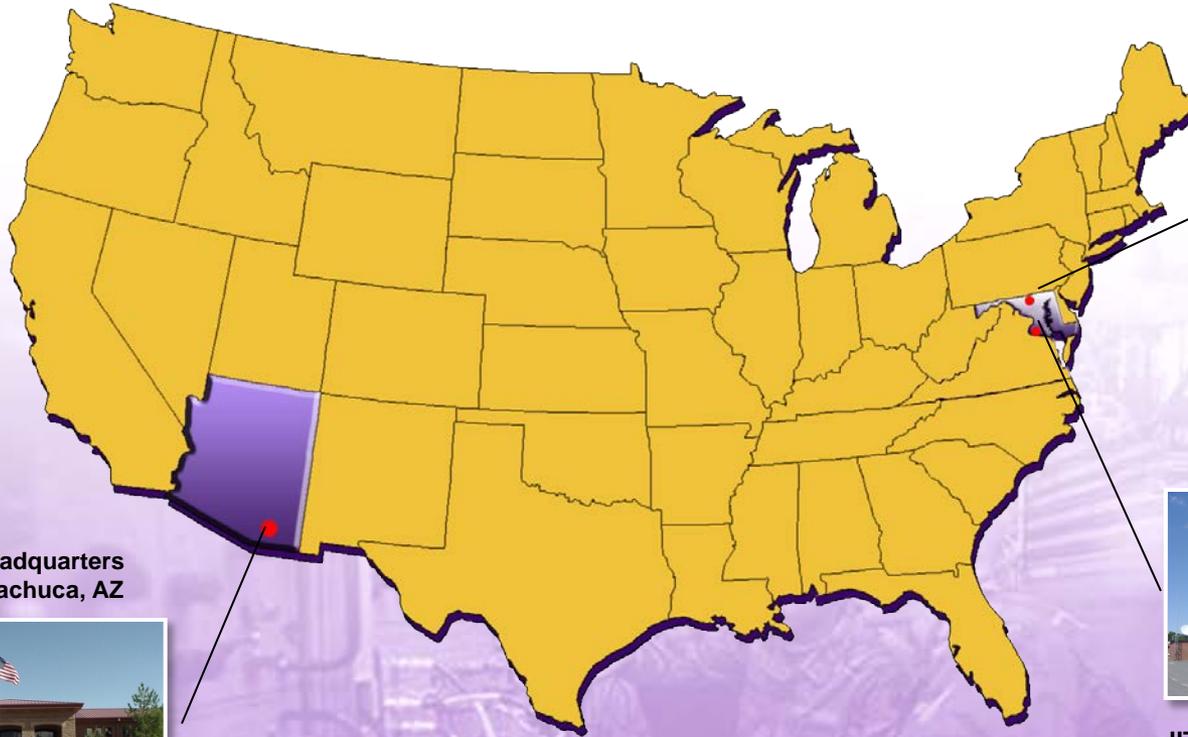
***Providing Test, Evaluation, and Certification in Support of the Warfighter,
Federal & Local Governments, and First Responders***



Personnel and Facilities

Defense Information Systems Agency

A Combat Support Agency



**JITC Headquarters
Fort Huachuca, AZ**



**DISA Headquarters
Fort Meade, MD**



**JITC Washington Operations
Indian Head, MD**

***1,200+ Personnel at 3 JITC Locations
80+ Military Personnel at 3 JITC Locations***



JITC Areas of Expertise



A Combat Support Agency

- Asynchronous Transfer Mode (ATM)
- Combined Interoperability
- Defense Information System Network (DISN)
- Defense Red Switch Network (DRSN)
- Department of Defense Intelligence Information System (DODIIS)
- DFAS Corporate Information Infrastructure (DCII)
- Distributed Common Ground / Surface System (DCGS)
- Electronic Business / Electronic Commerce (EB / EC)
- FEMA/DHS T&E
- Global Command and Control System (GCCS)
- Global Combat Support System (GCSS)
- HF/VHF/UHF
- Health Affairs Systems
- Information Assurance (IA)
- Internet Protocol (IPv4 / IPv6)
- Intelligence Interoperability T&E
- Joint Command and Control (JC2)
- Joint Tactical Radio System (JTRS)
- Joint Theater Air & Missile Defense (JTAMD)
- Key Management Infrastructure (PKI, PKE, GDS and EKMS)
- Logistics Systems
- National Imagery Transmission Format Standard (NITFS)
- NSA Programs
- Net-Centric Enterprise Services (NCES)
- Optical Switching**
- Satellite and Tactical Communications
- Tactical Data Link (TADIL)
- Telemedicine
- Unmanned Aerial Vehicle (UAV)
- Voice Over Internet Protocol (VOIP)
- Wireless Communications & Technologies

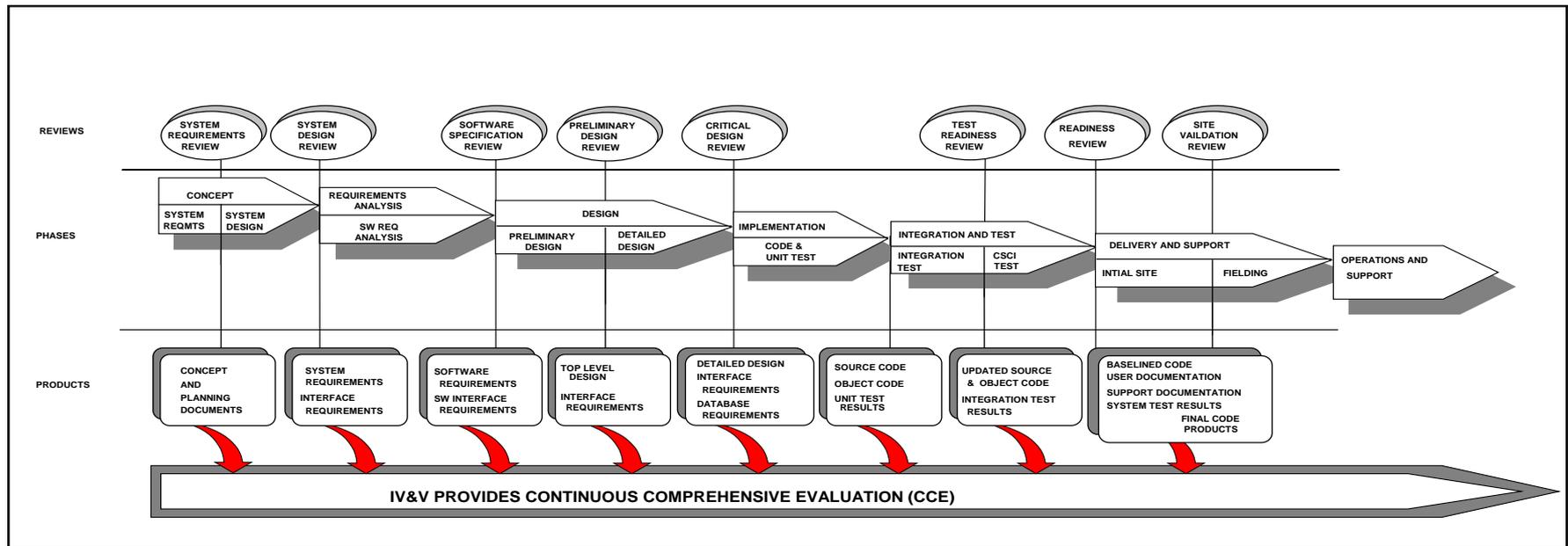




- The **VERIFICATION** is to check and make certain that systems, products, components are built **RIGHT** to requirements/specification.....
- The **VALIDATION** is to check and make certain that systems, products, components are **RIGHT** for the user and satisfies the mission & need.....

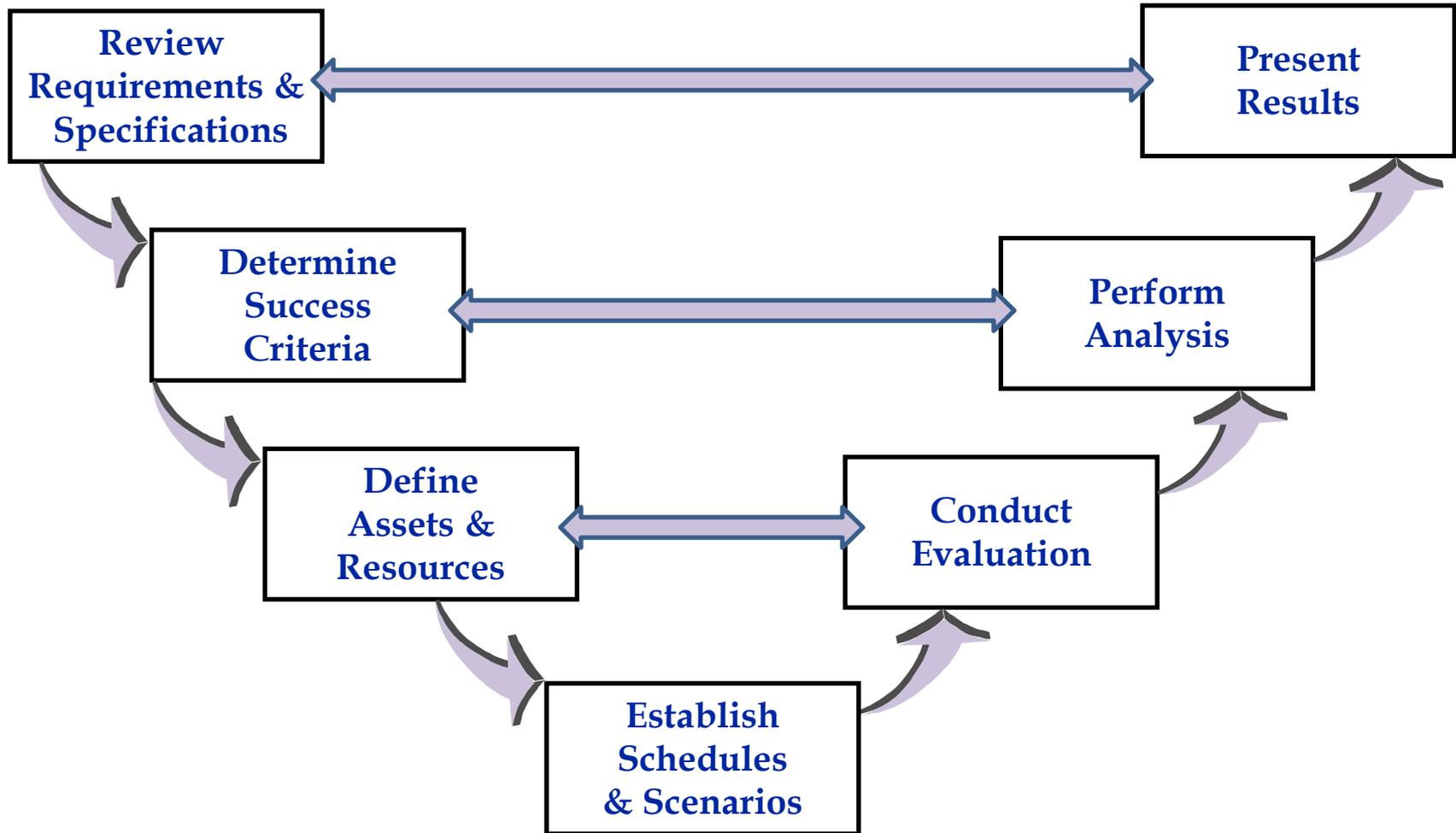
Meet Requirements & Accomplish Mission

- Integrating processes for effective product management
- Methodical engineering process for evaluating the correctness & quality throughout the life-cycle



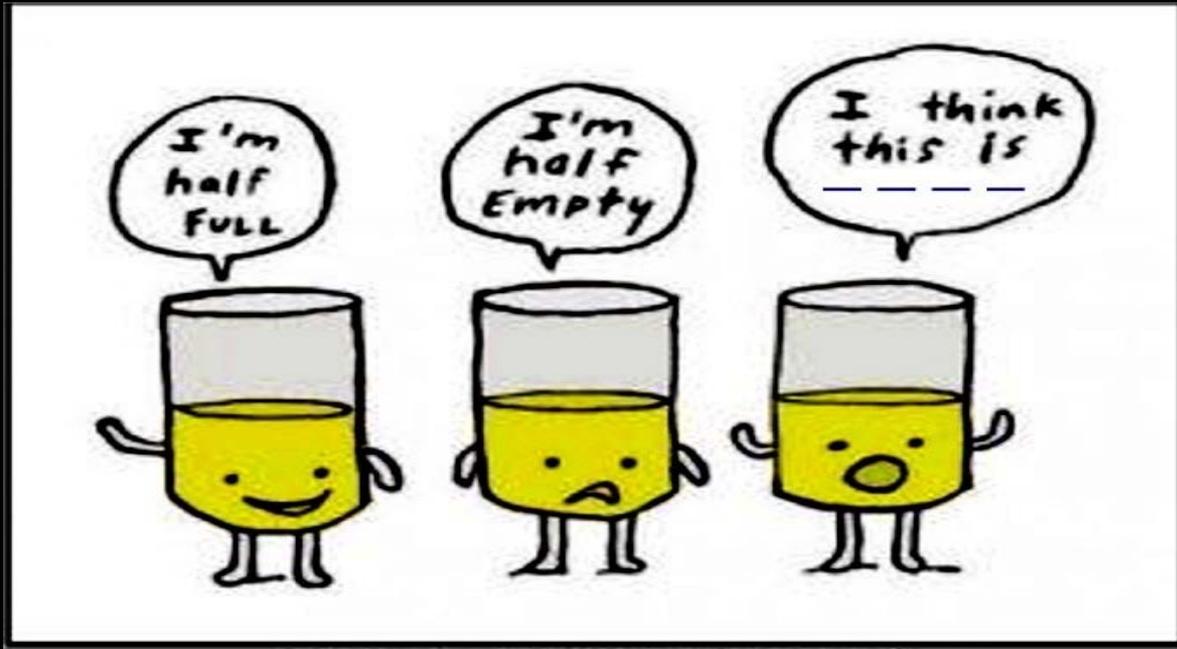
V&V from Inception

Constant Verification & Validation



Perpetual Test & Evaluation

Who Are You?



REALITY

"The power of accurate observation is frequently called cynicism by those who don't have it." -- George Bernard Shaw (1856-1950)

The Truth..



COLLATERAL DAMAGE...

- **Decreased Product Quality**
- **Increased RISK**
- **Major Malfunctions & Failures**
- **Wasted Money & Time**
- **Decreased Customer Satisfaction**
- **DEATH**

Is it worth the REAL COST?

Quantitative Performance Evaluation



We define evaluation criteria that maximize use of quantitative data in order to:

- **Provide assessments based on facts not supposition**
- **Identify service levels from not acceptable to fully compliant**
- **Provide consistency across the life cycle**
- **Tailor the criteria for specific uses, including:**
 - **Functional Assessments**
 - **Certification Determinations**
 - **Operational Assessments**

V&V Across Domains



Military

Service Provider

