



What is Distributed Testing?



A process, preferably persistent and continuous, for linking various geographically separated live, virtual, and constructive sites and capabilities together in a distributed environment, for use across the acquisition life cycle, to support and conduct the Test and Evaluation (T&E) of a system or systems-of-systems in a Joint and cyberspace environment.

**A new way of thinking for many in the
Test and Evaluation Community**

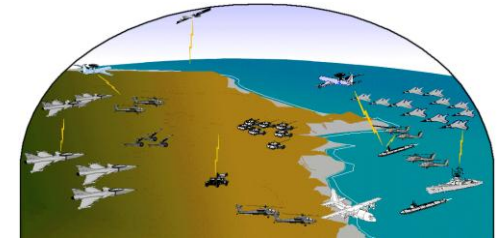


JMETC Enables Distributed Testing



Joint Operational Scenarios

Systems Under Test



Integrated Test Resources

Virtual Prototype
TENA Standard Interface Definitions
TENA Common Middleware

Hardware in the Loop
TENA Standard Interface Definitions
TENA Common Middleware

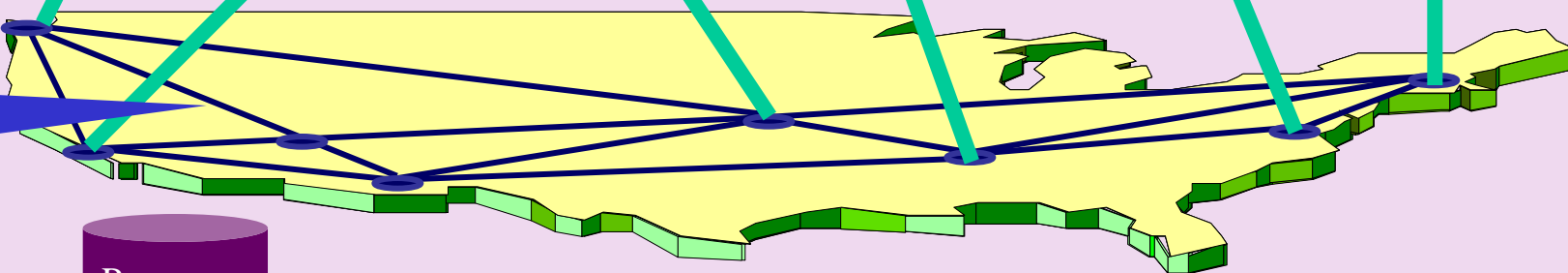
Installed Systems Test Facility
TENA Standard Interface Definitions
TENA Common Middleware

Range
TENA Standard Interface Definitions
TENA Common Middleware

Environment Generator
TENA Standard Interface Definitions
TENA Common Middleware

Threat Systems
TENA Standard Interface Definitions
TENA Common Middleware

JMETC Network on SDREN



Reuse Repository



Distributed Test Support Tools



Data Management Solutions

JMETC Infrastructure

Customer Support

* TENA: Test and Training Enabling Architecture

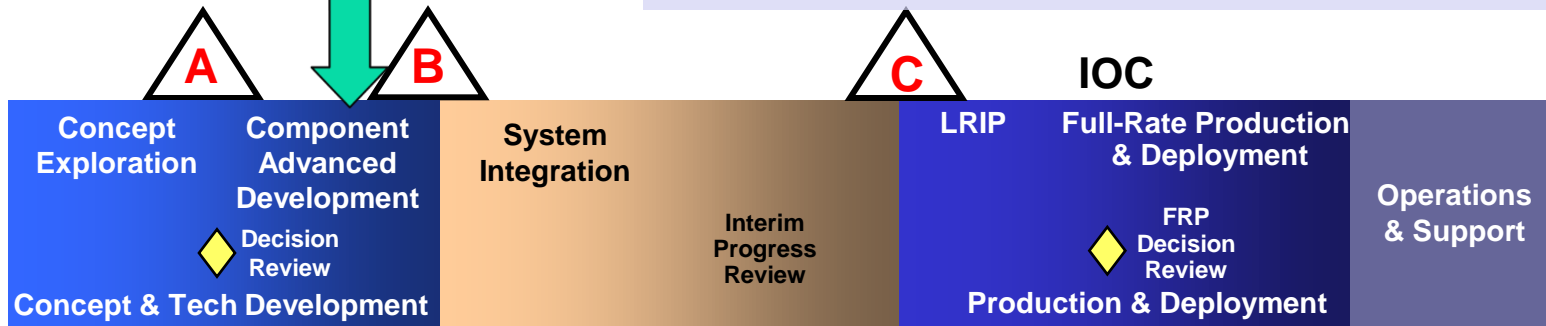


The Future of Distributed Testing: Test-Fix-Test Across the Acquisition Life Cycle



Outline Distributed Testing and JMETC requirements in TEMP

Rapid Acquisition, Developmental Test, Operational Test, Interoperability Certification, Net-Ready Key Performance Parameters testing, Joint Mission Capability Portfolio testing



Pre-Systems Acquisition

Systems Acquisition
(Engineering & manufacturing development, demonstration, LRIP & production)

Sustainment

Enables early verification that systems work stand alone and in a Joint Environment

Helps find problems early in acquisition – when they are less costly to fix

Creates robust environment for common prototype analysis

Provides subject matter expertise to integrate distributed facilities

JMETC enables continuous testing across the acquisition life cycle

JMETC reduces acquisition time and cost

By Providing

- Readily-available, persistent connectivity
- Standing network security agreements
- Common interoperability software for integrating test assets
- Certified test tools for distributed testing