CAF DMO

in Training System Contracts

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Combat Air Forces (CAF) Distributed Mission Operations (DMO) Contract Requirements

- CAF DMO Interoperability
  - Standards Development Process
  - Federate Testing and Certification of Test Reports
  - Federation Testing and Acceptance for DMO Training
  - Configuration Management for Sustainment of Certification

- Cross Domain Solution

- Additional Agreements
  - Technical Assistance Agreements (TAA)
  - Associate Contractor Agreements (ACA)

- Reuse of Simulation Data
CAF DMO Standards Development Process

- CAF DMO Standards define specifications and associated certification testing criteria
- CAF DMO Standards development process is defined in the CAF DMO Standard Maintenance Plan
- Contractors are required to participate in the development process
- Standards documentation may be provided as part of bidders’ library
CAF DMO Testing Processes

- **Federate Testing**
  - Standalone Testing (not connected to a network)
  - CERT Tool automates part of the process
  - Objective: CAF DMO Certified Test Report
  - Certification Authority: CAF DMO O&I contractor (NG)
  - IAW “CAF DMO Conformance Test Standard”

- **Federation Testing**
  - Testing with other systems over DMON
  - Objective: Acceptance for DMO Training
  - Acceptance Authority: AFLCMC/WNS
  - Acceptance is limited to combination of training systems tested
  - IAW “CAF DMO Federation Test Plan”

- **Configuration Management to Sustain Certification and Acceptance**
  - CAF DMO CCB evaluates changes for impacts to DMO training
  - CAF DMO CCB does not approve/disapprove changes
  - Submit configuration changes to CAF DMO CCB
  - Perform additional testing as required by the CAF DMO CCB
Cross Domain Solution (CDS)

- **CDS Objectives**
  - Enable distributed training between systems that require protection at different security levels
  - Comply with security classification guides
  - Protect high-side data from exposure to low-side personnel and systems.
  - Minimize training limitations imposed by security controls that protect high-side data.

- **Contractor Requirements**
  - Participate in development and risk management of CDS rule-sets
  - Certify format of data produced by the simulators
  - Comply with OPSEC rules
  - Participate in configuration management process to evaluate configuration changes for impacts to CDS and rule-sets
  - Participate in testing required to maintain CDS accreditations
Required Agreements

• Associate Contractor Agreements
  – For collaboration with other contractors in DMO working groups
  – To protect company proprietary data

• Technical Assistance Agreements
  – Foreign exchange officers or coalition partner co-manned forces using the training system
  – Training events with connections to other countries
  – Training events with connections to other US training systems being used by foreign exchange officers or coalition partner co-manned forces
Reuse of Simulation Data

- Standard data formats for delivery of simulation databases and models
- Delivery to common library for government re-use
- Data rights for simulation databases and models
- Use of data from authoritative sources for maximum realism and configuration control
Questions?