Defense Readiness Reporting System (DRRS)

A Net-Centric Model

Joseph J. Angello, Jr.
Director, Readiness Programming and Assessment
Office of the Secretary of Defense (Personnel and Readiness)

March 7, 2007
Why DRRS?

• **2001 QDR:**
  “… a comprehensive readiness reporting system that evaluates readiness based on actual missions and capabilities assigned to the forces”

• **USC Title 10, sec 117:**
  “The Secretary of Defense shall establish a comprehensive readiness reporting system for the Department of Defense.”

• **Secretary of Defense:**
DRRS represents a real change

From:
- Unit status
- Inputs / resources
- Deficiencies
- Service centric
- Periodic
- Multiple reports / systems

To:
- Mission assessments
- Outputs / capabilities
- Their implications
- Joint centric
- Continuous
- Enterprise views

Answers Ready for What?
DRRS Challenges

• **Cultural Obstacles**
  – First real change in readiness reporting in forty years
  – Readiness a function of missions, not units – new rules
  – Everyone sees readiness status

• **Keeping data accurate**
  – Large number of disparate Service and Joint databases
  – Pace of transition to web services throughout DoD
  – Access and integration of authoritative data

• **Net Centric Core Enterprise Services**
DRRS delivers on the promise of Net Centric Warfare

- **Meets the requirements for DoD readiness reporting**
- **Provides global visibility of forces**
- **Facilitates adaptive planning and contingency sourcing**
- **Built upon the Global Force Management Information Exchange Data Model standards**
- **Compliant with all Net-Centric Operational Warfare Reference Model requirements**
- **Fully funded**
Dstrstr Development is fast and efficient

- **Speed to market**
- **Abstraction layers throughout**
  - Data oriented services (DOS)
  - User facing services (UFS)
  - Application services
- **Lower LCM costs**
  - Modularity
  - Abstraction from external/internal interfaces
  - Reusability
  - Extensibility
- **Interoperable**
- **Accessibility**
DRRS is Secure and Interoperable

• **DRRS is approved for use on the SIPRNET**
  – Authority To Operate (ATO) issued
  – Endorsed by JS J6

• **As additional functionality is fielded, the ATO is updated to ensure compliance**
  – Current testing showed no high or medium risks identified
    ➢ “…The overall residual risk rating for DRRS is low, based on eight low threats. This assessment is determined through an analysis of the probability of a threat to make use of an identified vulnerability and the effectiveness of DRRS to counter such threats…”
  – JS J6 approved the Risk Management Plan

• **DRRS is undergoing extensive interoperability testing and certification**
  – Interim Interoperability Certificate To Operate (ICTO) issued
  – Participating in Defense Interoperability Communications Exercise (DICE) 2007
Enables Data Standardization

- **COIs established to distribute the work of data standardization among readiness stakeholders**

- **DRRS Net-centric Data Vocabulary**
  - Meta Data (Meta Data Registry)
  - XML Schema Definition
  - WS-security extensions
  - Taxonomy
  - Interface Contract Specification

- **GIG Enterprise Services**
  - Data Tagging
  - Searching
  - Retrieving
  - Sharing
Provides access to data via “smart pull” data exchange process

- **Current Solution**
  - Periodically poll data service for differential data update
  - Use standard web services protocols
    - SOAP 1.1
    - WSDL
    - WS-Security Extensions

- **Next Generation - Enterprise Messaging Service**
  - In collaboration with GFM-DI Architecture Working Group (AWG)
  - Clearing house for data oriented services
    - Discovery
    - Publication and subscription
    - Differential data
DRRS – COCOM Collaboration Initiatives

- **STRATCOM – ISR “Deep Dive”**
  - Identify and Project **Capability Capacity**
  - Identify and Project **Capability Readiness**
  - Identify Capability **Assignment and Allocation**
  - Identify Capability **OPTEMPO Trend and Impacts**

- **PACOM – Contingency Sourcing**

- **NORTHCOM**
  - Situational awareness of National Guard Units/Assets
  - FEMA regional displays

- **Collaborative effort with Department of Homeland Security**

- **CENTCOM/JFCOM – Request For Forces/Capabilities**
  - On-line collaborative process

- **Integration of Installation Readiness**
Keys to Success

• **Policy**
  – Provide the vision and direction
  – Basis for compliance

• **Data Plan**
  – Global Force Management COI
  – Community Data Vocabulary

• **Technology**
  – Web Services provide data interoperability
  – Agile development

• **Practical Approach**
  – Incremental development
  – Design and develop Net Centric Enterprise bridge solutions
Questions?
Presenter:

Joseph J Angello

Director, Readiness Programming and Assessment
Office of the Secretary of Defense (Personnel and Readiness)
703-693-5587

Additional Contact Information:

• Fred Thompson
  • Program Integrator
  • Defense Readiness Reporting System (DRRS)
  • 703-693-5584

• Pat Sherman
  • Acting Director, DRRS Implementation Office (DIO)
  • 703-614=0367