



Defense Readiness Reporting System (DRRS)

A Net-Centric Model

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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:**

“...develop the Defense Readiness Reporting System to support Global Force Management commitment, availability, readiness, deployment and redeployment data requirements” (SECDEF Memorandum, Subj. “*Primary Joint Force Provider*”, 25 Jun 2004)



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?



- ***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***



DRRS 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?



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