OCT 0 5 2012

MEMORANDUM FOR: SEE DISTRIBUTION

SUBJECT: Core Data Center Reference Architecture Version 1.0

The Core Data Center Reference Architecture (CDC RA) Version 1.0 is approved for immediate use. It provides Enterprise-level technical direction for establishing a set of highly standardized and resilient data centers that will be operated under a "franchise" model and implemented over the next several years. In this franchise model, each CDC may be operated by a different DoD organization, but all CDCs will be subject to standardized governance, operations, and infrastructure. The CDC RA will be used by Components in the development of data center and cloud computing solution architectures and engineering designs as well as related acquisition programs. Core Data Centers are a key element of the Information Technology Enterprise Strategy and Roadmap vision for a Joint Information Environment (JIE).

Core Data Center RA Version 1.0 provides direction in the form of principles, rules, standards and other architectural patterns, and is divided into five functional areas: facility infrastructure; computing infrastructure; security/information assurance; capability delivery; and standardized operations and processes. These requirements were aligned with JIE capability and security architectural guidance.

The CDC RA is part of the DoD Information Enterprise Architecture Version 2.0. It is developed and maintained by the Office of the DoD CIO and will be updated as needed to convey changes to Enterprise-level technical direction on Core Data Centers. It can be accessed through the DoD CIO public site at http://dodcio.defense.gov/Home/Initiatives/DIEA.aspx.

My action officer is Mr. Michael Wayson, (571) 372-4664, Michael.wayson@osd.mil. Please refer your questions/comments to him.

Teresa M. Takai

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