USSTRATCOM Global C2

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“Our objective is a global, persistent, 24/7 collaborative environment-comprising people, systems, and tools. Our future structure must support real time command and control at both the global and local levels as well as enable dynamic, adaptive planning and execution in which USSTRATCOM, the regional combatant commanders, and other geographically dispersed commanders can plan and execute operations together.”

General Cartwright – SASC Testimony, 16 MAR 05
C2 Desired Attributes

- Collaborative Information Environment
  - Global, persistent, 24/7
  - Global situational awareness
  - Dynamic planning & execution
  - User Defined Operational Picture

- Knowledge Management
  - Ubiquitous, assured access to information across allies, government and industry
  - Horizontal and vertical information integration
  - Share data IAW DoD data strategy

- Infrastructure
  - Survivable & distributed (support National Command Capability)
  - IP based
  - Service Oriented Architecture

- Acquisition
  - Agile, flexible, & faster delivery of capabilities
  - Leverage existing systems and technology
  - Expose data as a service
  - Integrate current and future programs/eliminate stovepipes
Meeting the Challenge

Today’s challenges:

- Modernize aging legacy nuclear infrastructure
- Integrate missile offense and defense for seamless battle management
- Develop WMD consequence management capabilities
- Create foundation for robust and integrated Global command capability

Where we need to go:

- Transition from single purpose systems to distributed, multi-function capabilities
- Migrate Nuclear C2 to Distributed, Network/IP based ‘Global C2’
- Global C2 ‘ties-together’ all elements of New Triad Power
  - Enables timely response to today’s asymmetric security challenges
  - Enables a broad mix of options - offense, defense, kinetic & non-kinetic
  - Enables real-time intelligence, collaborative planning & decision making

Global C2 is a Key Enabler of New Triad Capabilities
Global C2 For the New Triad

- All legs and elements supported by collaborative environment
- Focuses National power and New Triad capability
- Enables, unfettered, real-time, communications among all New Triad users
  - Shared situational awareness via tailored operational displays
  - Standing and ad-hoc Communities of Interest (horizontally and vertically integrated)
  - Collaboration, up, down, across & through all New Triad elements
- Intelligence and Planning available at all Nodes
  - Collaborative, distributed and ubiquitous
Enabling The New Triad

....Command and Control, Intelligence & Planning - the “Force” that Pulls the New Triad Together.....
Building Toward a Global C2 Capability

Time Line

2006

Federal, State, Local & Tribal – SA and Collaboration

Consequence Management

Disaster Relief

Enable New Triad

Today's Nuclear C2

2011

Emerging NCC effort

Emerging NCC

NC2 Migration JC2 ver 1-3

DA/G/MN Enrich E-6B IP

Expanded Distributed Network Enhance E-6B IP

NC2 (Minus E-4 & MCCC)

2020

NCC Global – all Users

Teamed DHS DoD NCC effort

GJBMC2 JBMC2

Meshed Distributed Network Enhance IP Air & Space

Fully Meshed IP based: Ground, Air, Maritime & Space Network

NCC JC2 Tactical Sys

Interagency NCC effort

Fully Meshed

Satisfies Migration to Distributed Architecture

Satisfies All National C2 Requirements (post 9-11)

Fully Networked Satisfies DEPSECDEF NCC Guidance

Seamless Unified DoD Command Structure. Satisfies National Defense Strategy

Distributed Network

Rapid collaborative information sharing

Distributed

Robust and Resilient

Fully Net Centric

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