



Cyber Domain Architecture

*Ensure US/Allied Freedom of Action in Cyberspace and
Deny the Same to Our Adversaries*

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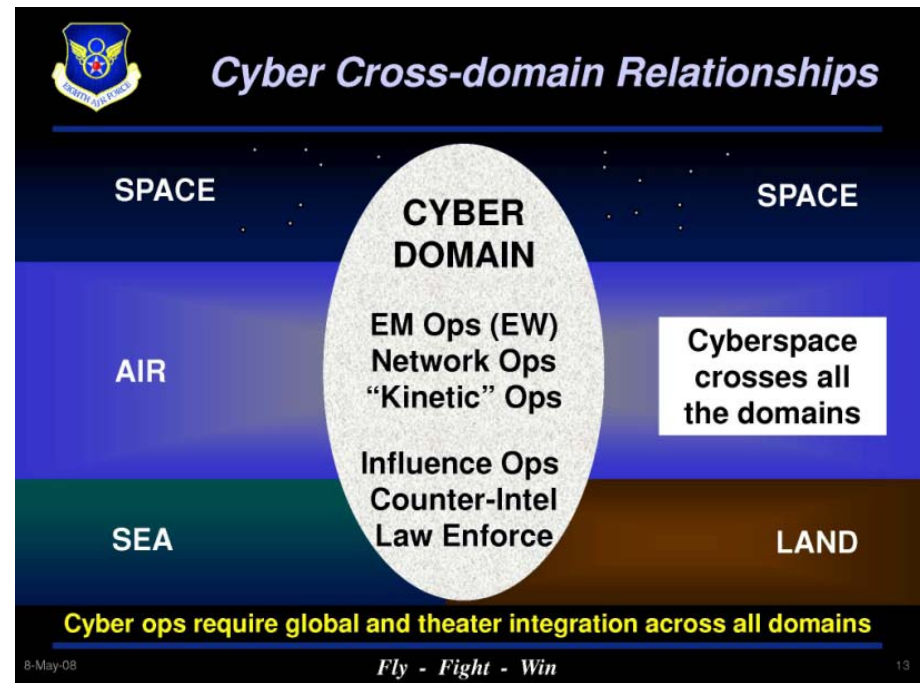
CYBERSPACE DEFINED

Cyberspace

- A global domain within the information environment consisting of the interdependent network of information technology infrastructures, including the Internet, telecommunications networks, computer systems, and embedded processors and controllers.

Cyberspace Operations

- The employment of cyber capabilities where the primary purpose is to achieve objectives in or through cyberspace. Such operations include computer network operations and activities to operate and defend the Global Information Grid.

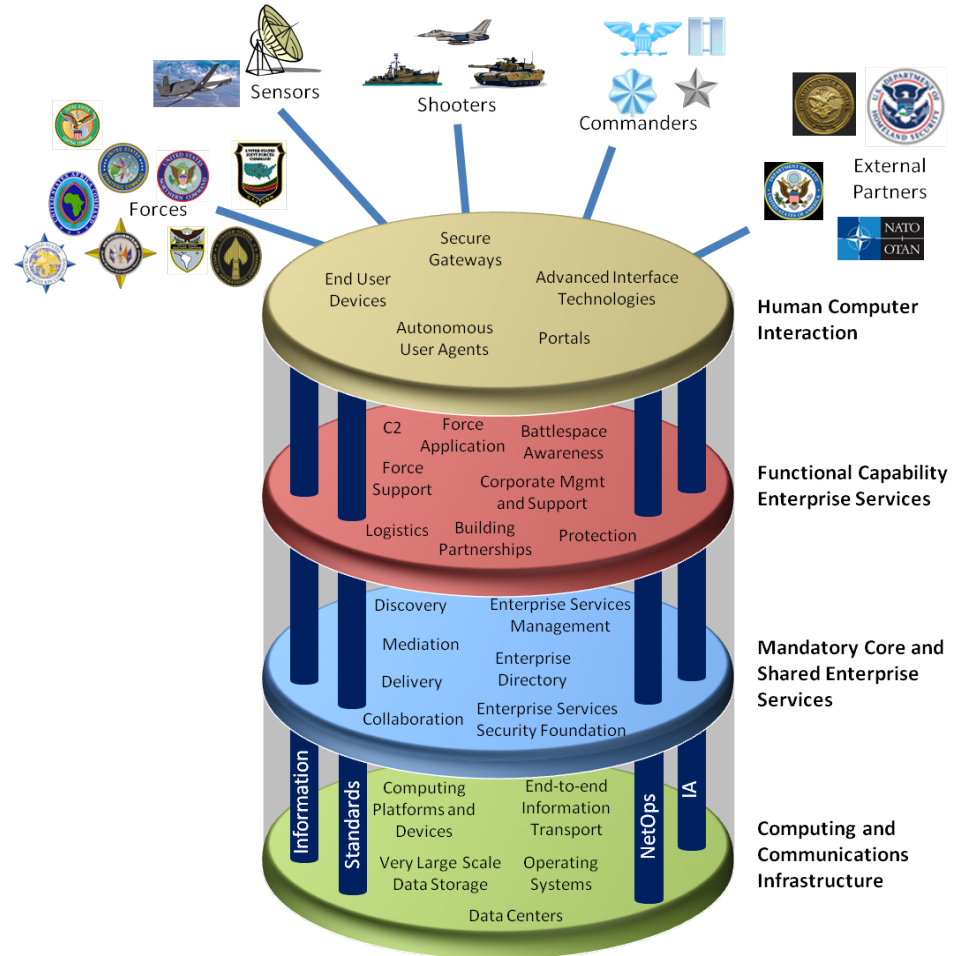




CYBERSPACE ARCHITECTURE

- We must operate and defend cyberspace as an essential military asset
- Challenges include ever changing adversaries, disruptive technology, and resource constraints
- The complexity of cyberspace requires end-to-end integrated architectures to support the management of this dynamic environment

IEOA Functional Vision





END-TO-END INTEGRATION

- DoD GIG Ops, information assurance, and Defensive Cyber Operations are essential components in operating and defending DoD networks
- Integration of these architectures must occur across all layers of the infrastructure and across all phases of the IT lifecycle to enable synchronized situational awareness
- This situational awareness must support swift and actionable decisions in response to the needs of cyberspace operations





PARTNERSHIP

DoD CIO
Policy & Strategy



DoD Components
Architecture &
Engineering

USCYBERCOM
Cyberspace
Operations

- A partnership between DoD CIO and DoD Components (including USCC) and the actionable decision structure in place need to enable the swift evolution of cyberspace in support of the warfighter and the end-to-end flow of information

