



# Cyberspace Operations in Training

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## Introduction

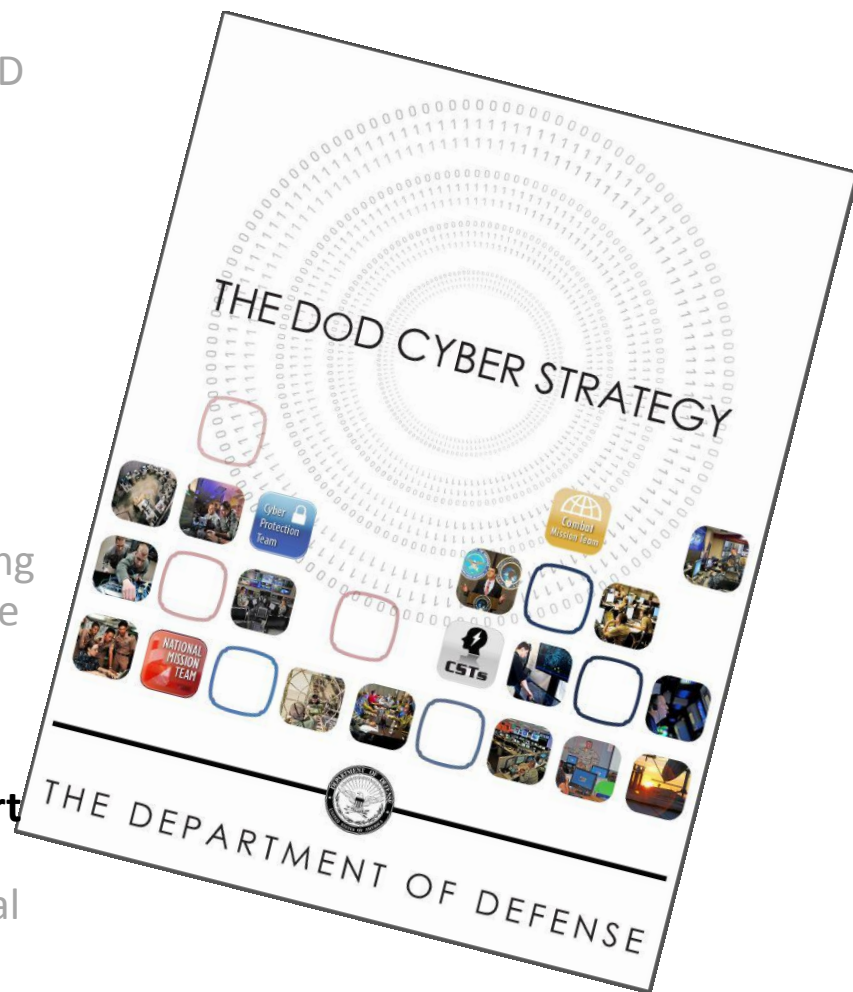
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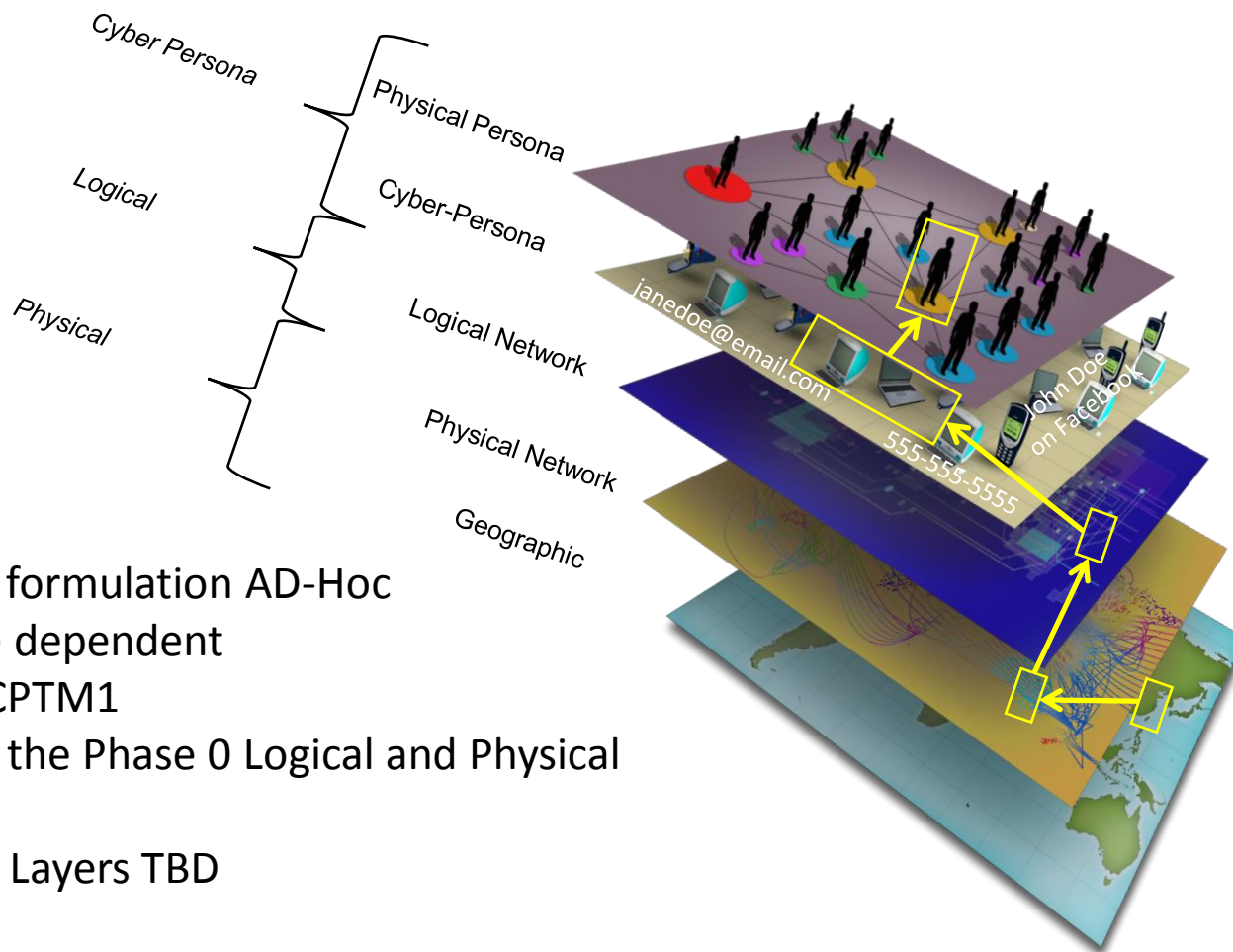
# Operations in a Degraded / Denied Environment

II. DEFEND THE DOD INFORMATION NETWORK, SECURE DOD DATA, AND MITIGATE RISKS TO DOD MISSIONS. DoD must identify, prioritize, and defend its most important networks and data so that it can carry out its missions effectively. **DoD must also plan and exercise to operate within a degraded and disrupted cyber environment in the event that an attack on DoD's networks and data succeeds, or if aspects of the critical infrastructure on which DoD relies for its operational and contingency plans are disrupted.** Key objectives of this goal include:

- ❖ Build the Joint Information Environment single security architecture to shift the focus from protecting service-specific networks and systems to securing the DoD enterprise.
- ❖ Implement a capability to mitigate all known vulnerabilities that present a high risk to DoD.
- ❖ **Identify, plan, and defend the networks that support key DoD missions.**
- ❖ Build a layered defense around the Defense Industrial Base through improved accountability, cybersecurity standards, counterintelligence, and whole of government efforts to counter IP theft.



# AN-16 Cyber Key Terrain



- ❖ Current C-KT formulation AD-Hoc
- ❖ C-KT is phase dependent
- ❖ Pre-CIS and CPTM1
  - ❖ Defined the Phase 0 Logical and Physical Layers
  - ❖ Persona Layers TBD



# Prospective Training Objectives

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Derived From:

Field Manual 7-15, C10, 29 June 2012

## ART 5.0 Mission Command

- ❖ ART 5.9 Conduct Cyber Electronic Activities
  - ❖ ART 5.9.1 Conduct Cyberspace Operations
    - ❖ ART 5.9.1.1 Conduct Cyber Network Operations
    - ❖ ART 5.9.1.3 Provide Cyber Support
    - ❖ ART 5.9.1.4 Develop Cyber Situational Awareness
  - ❖ ART 5.9.2 Conduct Electronic Warfare
    - ❖ Perform Electronic Protection Actions
- ❖ ART 5.10 Conduct Information Protection
  - ❖ ART 5.10.1 Provide Assurance
    - ❖ ART 5.10.1.1 Ensure Information Security
    - ❖ ART 5.10.1.2 Employ Communications Security
    - ❖ ART 5.10.1.3 Maintain Emission Security
  - ❖ ART 5.10.2 Perform Computer Network Defense
  - ❖ ART 5.10.3 Perform Electronic Protection Actions

