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Distributed Mission Operations Network (DMON) Cross Domain Solution (DCDS) Overview

ACSAC 2011 Works in Progress

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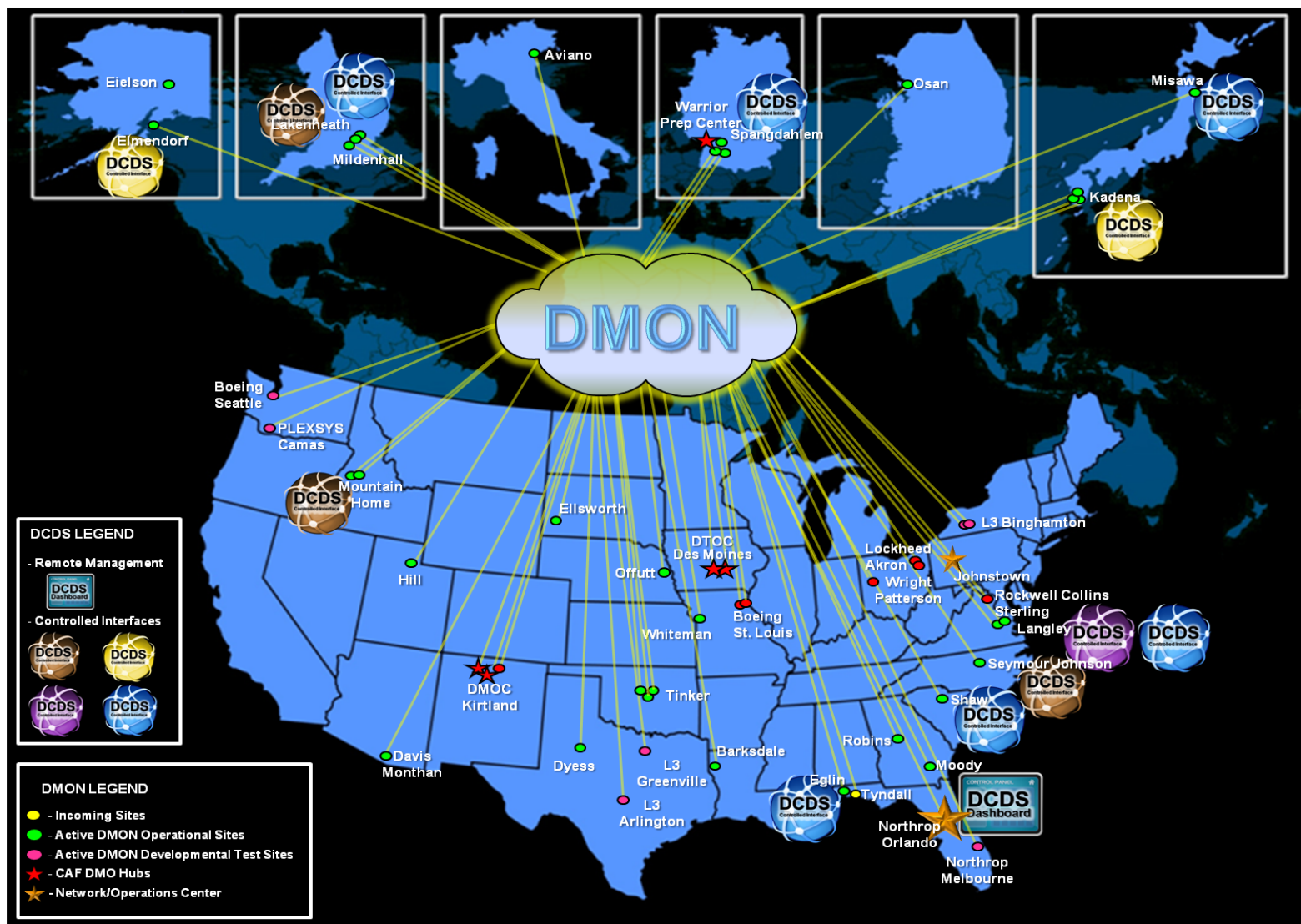


Distributed Mission Operations Network (DMON) and the DMON CDS (DCDS)



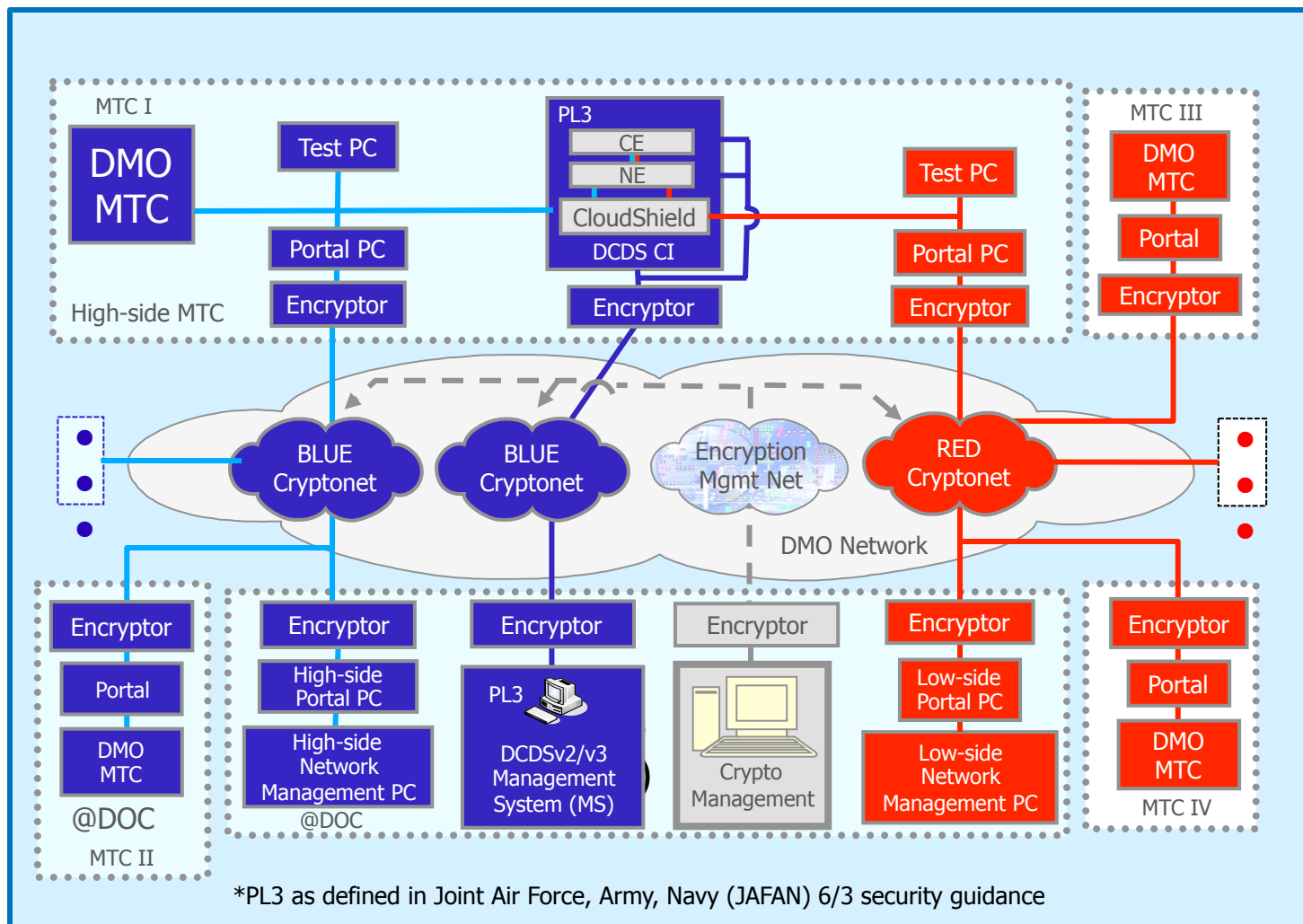
- USAF Distributed Mission Training Operations and Integration Program: CONTRACT NO: F33657-98-D-2061
- DMON connects geographically separated USAF Mission Training Centers (MTCs), Development and Test Sites, and Combat Air Force DMO Hubs
- Primary DMON Purpose: To allow daily collaborative team training for air combat missions
- Single domain events have been conducted for over ten years and cross domain events for over three years
- The first DMON cross domain event approval to operate (ATO) was received December 2008.
- As of this month, 22 persistent DCDS ATOs have been granted (for 9 different rule sets/security policies at 13 MTCs)
- Cross domain events allow training between different security domains offering more realism for warfighters
- DMON cross domain events are remotely managed from a centralized operations center

DMON and the Approved DCDS Sites



Conceptual (Operational System) View (DMON) Cross Domain Solution (DCDS)v3

Operational Protection Level 3 (PL3*) DCDS System





Future Considerations

- With flexible rules management and current strength of its security systems, DCDSv3 is robust enough to meet new requirements near term with relative ease
- Persistent approvals to operate and remote management of DCDS are key discriminators for future warfighter simulation training across different security domains
- As the DMO network grows, assessment of the security posture of remote management solutions becomes more important
- Global Infrastructure enterprise focus on cross domain solutions recognizes centralized management as a goal
- New technologies and approaches will evolve from cross domain solution enterprise research and development initiatives to help address emergent DMO Network needs

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