



JFHQ-DODIN Update

Air Force Information Technology and Cyberpower (AFITC) Conference

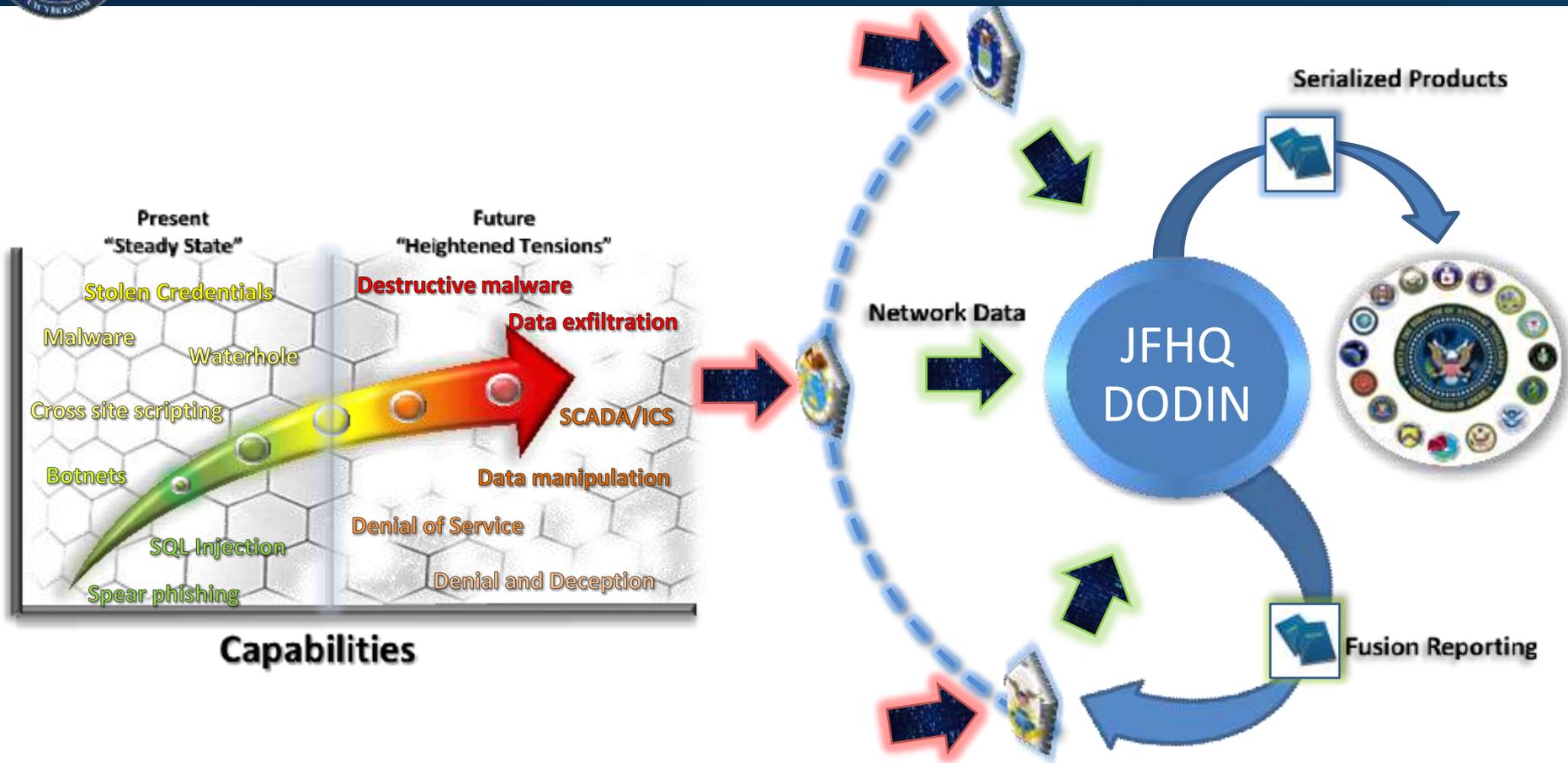
Brig Gen Robert Skinner, Deputy Commander, JFHQ-DODIN

29 August 2016



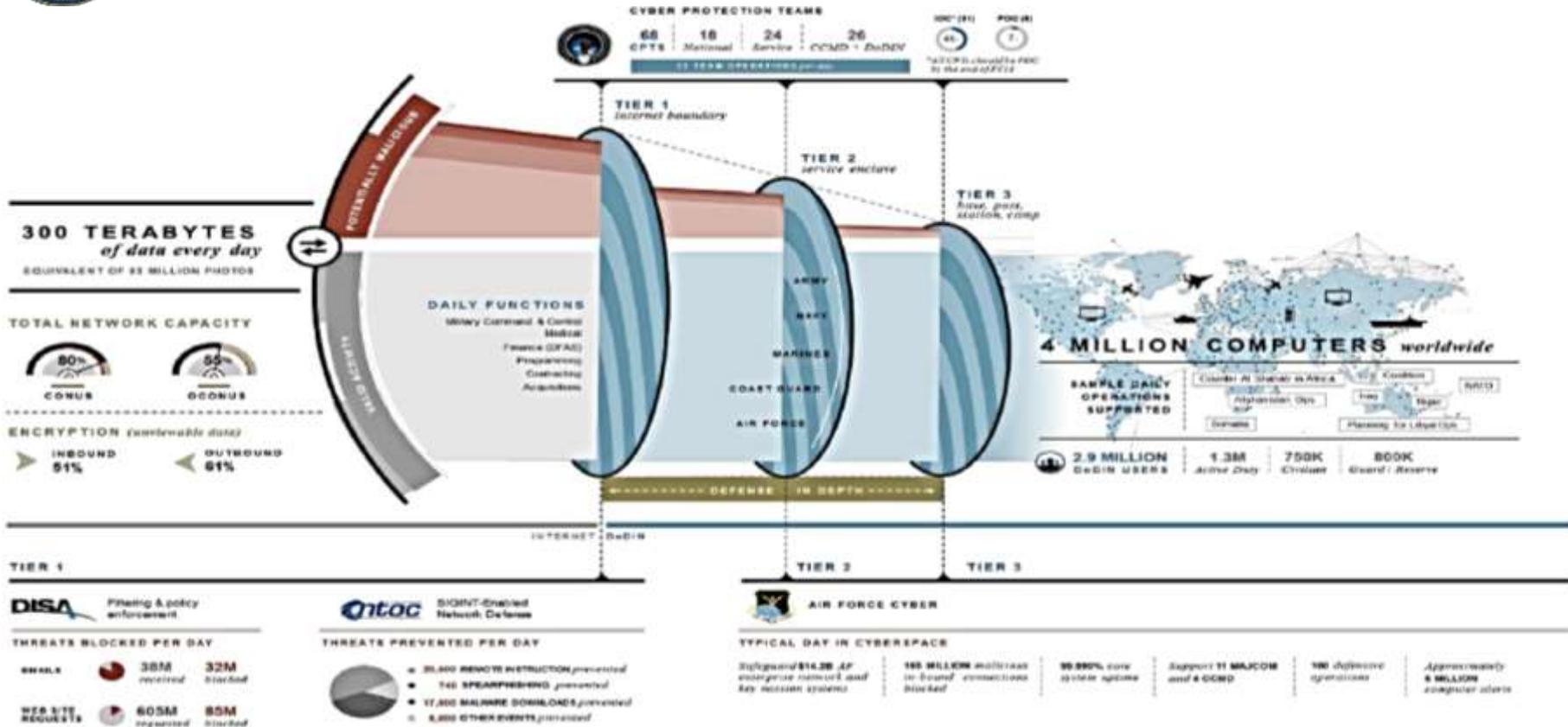
Problem Set

Intent





A Day in the life of DODIN



Note: Numbers are averages



Cyberspace Ops Mission Alignment

USCYBERCOM plans, coordinates, integrates, synchronizes and conducts activities to **direct the operations and defense of specified Department of Defense information networks** and; prepare to, and when directed, conduct full spectrum military cyberspace operations in order to enable actions in all domains, ensure US/Allied freedom of action



**Full Spectrum
Cyberspace Operations**

Core Mission Areas

Defend the Nation Against
Strategic Cyber Attack

Secure, Operate and Defend
the DoD Information
Networks (DODIN)

Combatant Command
Support



JFHQ-Cyber

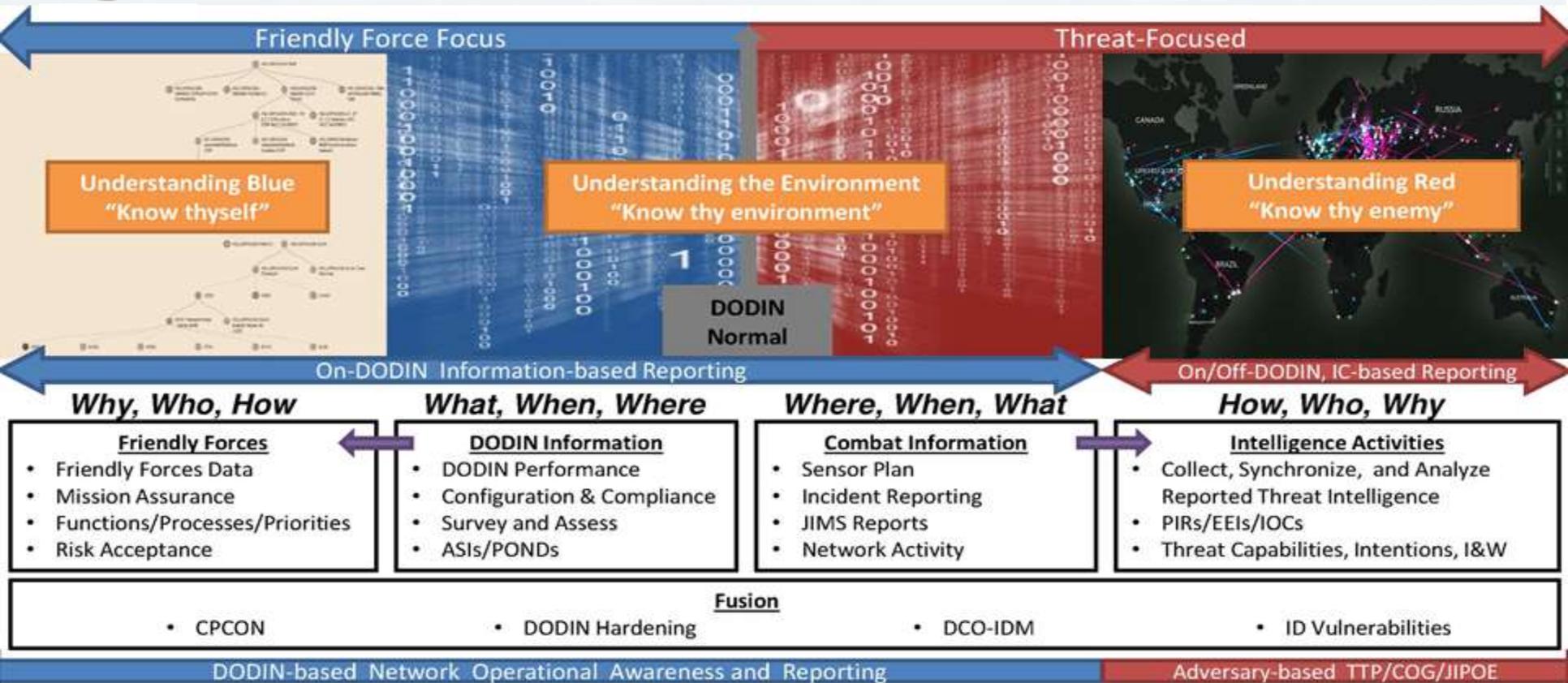


Operational Value

- A headquarters operating at the operational level, **Operational Area is the DODIN.**
- Empowered to achieve **Unity of Command for DODIN operations and DCO-IDM.**
- The ability to provide, secure, and actively defend the DODIN to meet support commander's/director's DODIN-dependent missions – **critical to mission assurance.**
- Integration and synchronization of all DCO maneuver forces: CPTs, IRTs, CERTs, CNDSPs, sensors, commercial industry: **Direct a Combined Arms Approach for unified action.**
- This is a warfighting domain: **evolving behavior and culture** across the DOD through unified action in cyberspace.



Cyber Operations & Intelligence “Fusion”





DODIN Normal – “How to Define”

Adversary
Activity

Technology
inhibitors

Insider
Threat,
User/Admin
error, Culture

Sustain normal through proactive defense,

DODIN Normal

- Vulnerabilities on the Network
- Mission critical functions are executing
- Isolated issues in both operations and defense
- Users in some varied form of education
- Maneuver forces in some varied for of certification
- Technology leveraged throughout

continual assessment, and culture of readiness.

PROCESSES

- Decisions (quality Information)
- C2 Structure and Authorities
- Rule of Law (Blue/Gray/Red)
- Integration of Entities
- Combined Arms Approach

TECHNOLOGY

- Optimized use of tools
- Simplified operations
- Split-based operations
- Right tools to cyber protection force
- SDN, SDP
- Decryption
- Big Data Analytics
- Improved sensors
- The right architecture

PEOPLE

- User Education and certification
- Maneuver Forces
- Training and Exercising
- Recruiting and retention
- Operational vs. Technical focus
- Total Force



What Keeps Me Up at Night?

- Force Development / Talent Management
- Multi-Domain Integration
- Innovation to Operational Capability - Jointness
- DODIN Self-Awareness
- Prioritization of Intelligence – sharing across the board
- Proliferation & Sophistication of Threats

Every challenge is an opportunity



Questions