Ensure DoD Missions (and their critically enabling systems) are DEPENDABLE in the face of cyber warfare by a capable cyber adversary.

Our DoD Trusted Defense Systems Strategy, is codified in DoD Instruction 5200.44, “Protection of Mission-Critical Functions to Achieve Trusted Systems and Networks (TSN).”

- **Hardware Assurance and Microelectronics Security & Trusted Foundries**
- **Software Assurance**
- **& Assured Services**

are sub-elements (foundational building blocks) of our strategy.
DoD Cyber Strategy and Implementation Plan issued by the Principal Cyber Advisor—eight different lines of effort across the Department (April 2015)

- Cybersecurity Campaign Memo
  Tri-signed by DoD CIO, USD (AT&L) and Commander, CYBERCOM on June 12, 2015—announces the initiation of a multi-faceted campaign (reinforced by Operation CYBER SHIELD)

- Cybersecurity Discipline Implementation Plan
  just Oct/Nov’15 signed by DepSecDef and VCJCS—gives detailed guidance on the Cybersecurity Campaign

- Cybersecurity Scorecard
  the visual presentation of ten basic cybersecurity metrics of the Department—delivered monthly since June 2015 *(Cybersecurity Scorecard Evolution)* is an in-progress adaptation of the current scorecard efforts to include more comprehensive data collection and metrics on cyber basics and programs of record in development

- DoD Cybersecurity Culture and Compliance
  signed out September 30, 2015 by SECDEF and CJCS—a multi-faceted initiative to raise the level of human awareness, performance and accountability in cybersecurity.
Cybersecurity Discipline Implementation Plan signed by DepSecDef and VCJCS—gives detailed guidance on the Cybersecurity Campaign

(1) STRONG AUTHENTICATION- (move from Passwords to PKI)...

(2) DEVICE HARDENING- (Configuration Mgt / SW Patching)...

(3) REDUCE ATTACK SURFACE- (manage External Interfaces)...

(4) CNDSP- (monitoring & diagnostics)...

Can we use any of these start points for other Scorecards?
Mission Appropriate Cybersecurity

Additional Cybersecurity
for Trusted Systems & Networks (TSN)

Cybersecurity Discipline is priority one
Stuff everyone must do

Take Risk
Cybersecurity, RMF & SCRM

• ACCESS
• CONFIG MGT
• ATTACK SURFACE
• MONITORING

Bad Guy Capability

Mission Importance
Assurance of - Mission
---System
--- Product,
---- Sub-Component

LEAST Capable adversaries to MOST

Risk

Min Rqts for Trusted Systems

Minimum Requirements for All Systems

Assured Services

Cybersecurity RMF & SCRM

Most Important Missions & Systems to LEAST

• ACCESS
• CONFIG MGT
• ATTACK SURFACE
• MONITORING

Software (SwA) Assurance

Counterfeit (HwA) Microelectronics