## DoD Drivers for Cyber Resilience Progression

### Old Requirements

- DoD Instruction 8500.2 Information Assurance (IA) Implementation – 2007
- Compliance with IA controls for Certification and Accreditation

### Current and Emerging Needs

- Program Protection Plan
  - Anti-Tamper
  - Info Assurance
  - Software Assurance
  - Supply Chain RM
  - Secure Systems Eng

### Sell-Off (Cyber DT&E and OT&E)

- Procedures for OT&E of Cybersecurity in Acquisition Programs.

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**End State:** “Weapon systems [that] can fight through cyber attacks and still complete the mission.”  
DT&E FY2011 Annual Report to Congress
Bringing Innovation to the Undersea Arena

- Combine technical innovation and advanced CONOPs
- Deploy pervasive sensors, robust networks and advanced effectors
- Drive down cost
- Solve toughest undersea challenges

Industry/Government Collaboration to Transform Warfare from Undersea
Raytheon and University Partnerships

- Raytheon hires from >300 US Engineering schools with a deeper relationship with >100
- Examples range from graduate programs to full time collaboration

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<tr>
<th>University</th>
<th>Program or Center</th>
<th>Education</th>
<th>Research</th>
<th>Laboratory</th>
<th>Consortium</th>
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Each relationship is different but there are common threads.
Common Partnership Threads

- Real world problem(s) to solve
- Buy in from all parties
- Have defined success gates
- Proximity and Co-location helps keep momentum

Successful partnerships make sense, seem effortless and benefit all