



***CyberSecurity, US CNCI-SCRM,  
Public-Private STANDARDIZATION ...***

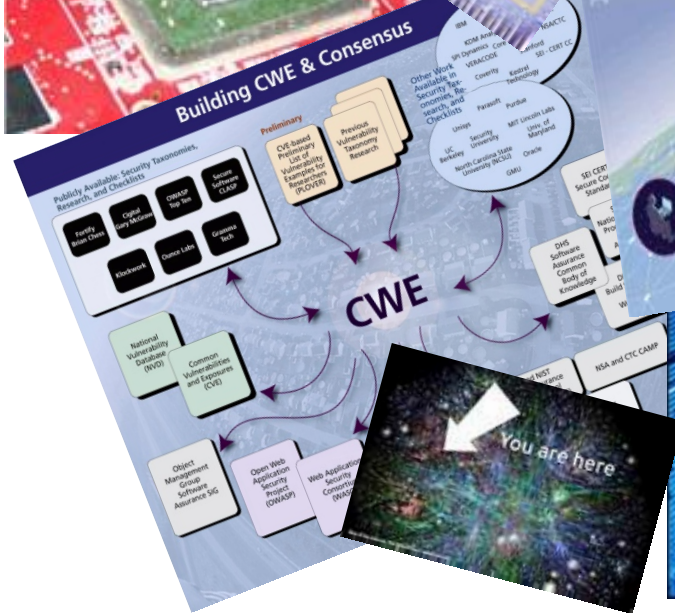
# ***Countering-COUNTERFEITS***

**@ ANSI's – “Crossing Borders and Sectors:  
Exploring Robust Anti-Counterfeiting Solutions”  
(22 Sep 2010 in Crystal City, VA)**

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# CYBERSECURITY





# Comprehensive National Cybersecurity Initiative (CNCI)



Focus Area 1

- Trusted Internet Connections
- Deploy Passive Sensors Across Federal Systems
- Pursue Deployment of Intrusion Prevention System (Dynamic Defense)
- Coordinate and Redirect R&D Efforts

Establish a front line of defense

Focus Area 2

- Connect Current Centers to Enhance Cyber Situational Awareness
- Develop a Government Wide Cyber Counterintelligence Plan
- Increase the Security of the Classified Networks
- Expand Education

Demonstrate resolve to secure U.S. cyberspace & set conditions for long-term success

Focus Area 3

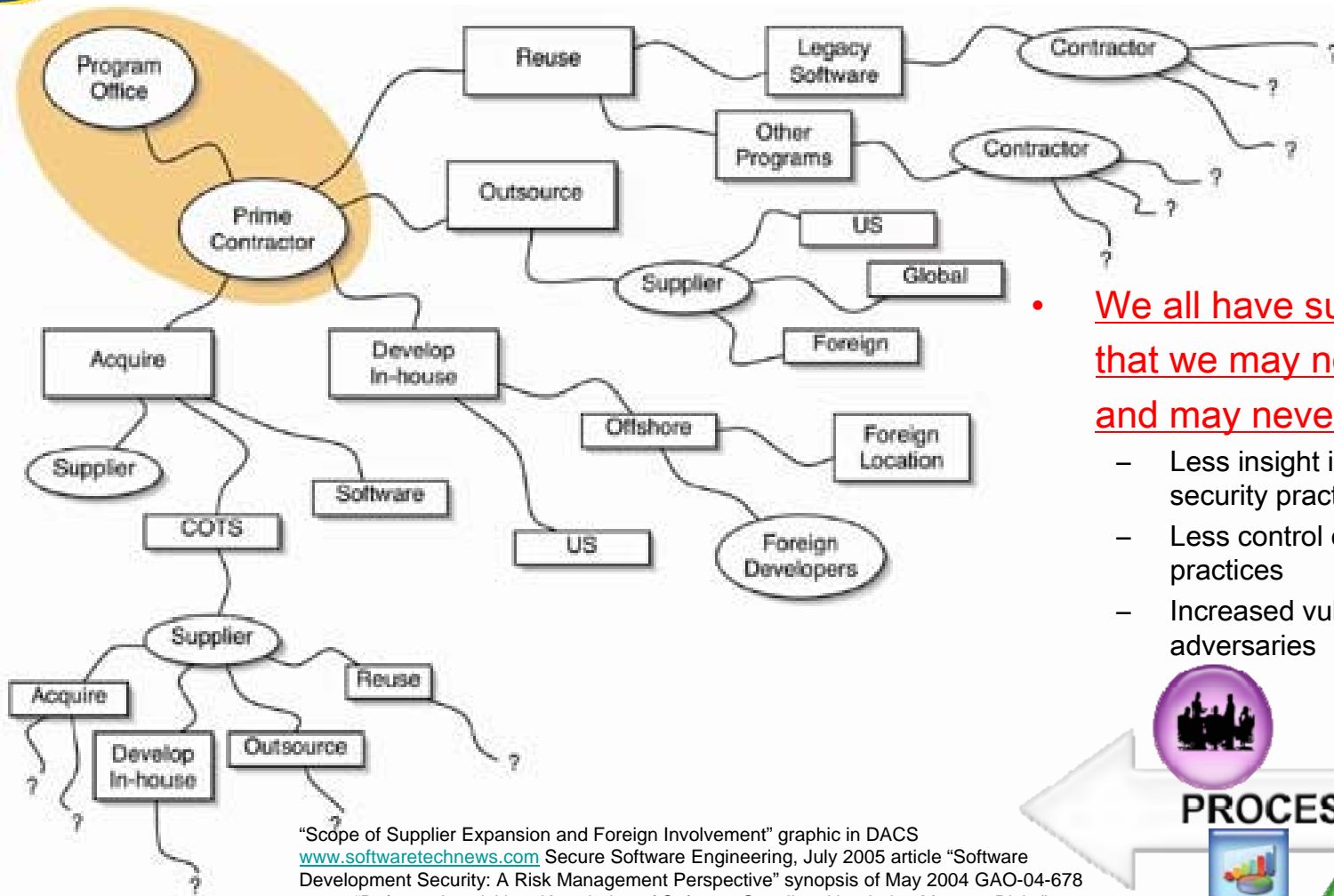
- Define and Develop Enduring Leap Ahead Technology, Strategies & Programs
- Define and Develop Enduring Deterrence Strategies & Programs
- Develop Multi-Pronged Approach for Global Supply Chain Risk Management
- Define the Federal Role for Extending Cybersecurity into Critical Infrastructure Domains

Shape the future environment to demonstrate resolve to secure U.S. technological advantage and address new attack and defend vectors





# Globalization brings challenges



• We all have suppliers that we may not know and may never see

- Less insight into suppliers' security practices
- Less control over business practices
- Increased vulnerability to adversaries

"Scope of Supplier Expansion and Foreign Involvement" graphic in DACS  
[www.softwaretchnews.com](http://www.softwaretchnews.com) Secure Software Engineering, July 2005 article "Software Development Security: A Risk Management Perspective" synopsis of May 2004 GAO-04-678 report "Defense Acquisition: Knowledge of Software Suppliers Needed to Manage Risks"





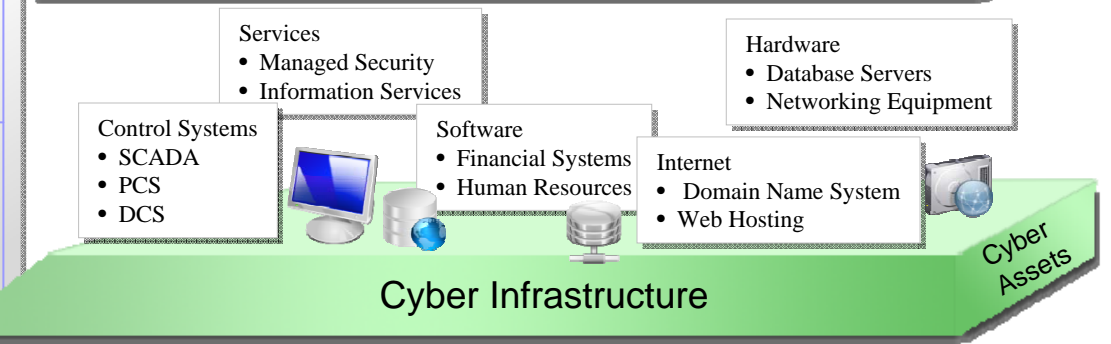
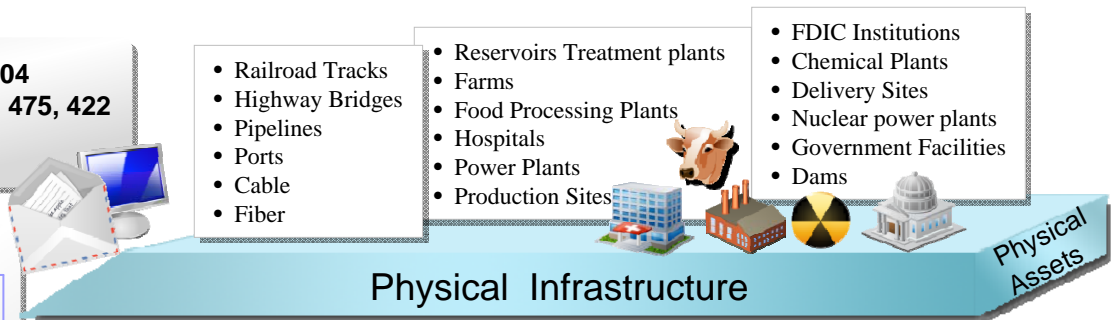
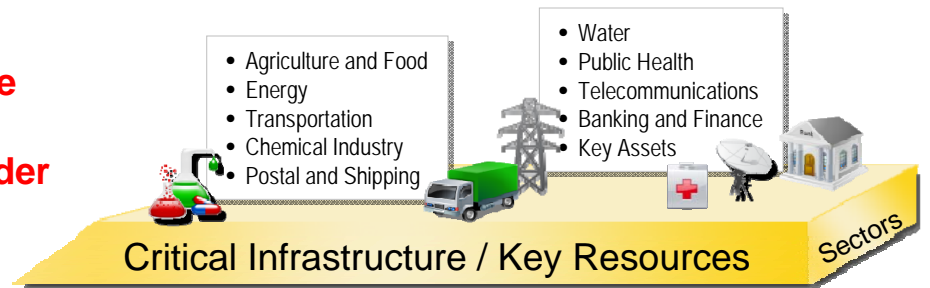
# Today's Reality of our Increased Dependency Requires an Increased Confidence in our ICT



- Dependencies on technology are greater then ever
- Possibility of disruption is greater than ever because software (and overall ICT) is vulnerable
- Loss of confidence alone can lead to stakeholder actions that disrupt critical business activities



Internet users in the world: 1,766,727,004  
 E-mail messages sent today: 215, 674, 475, 422  
 Blog Posts Today: 458, 972  
 Google searches Today: 2,302,204,936

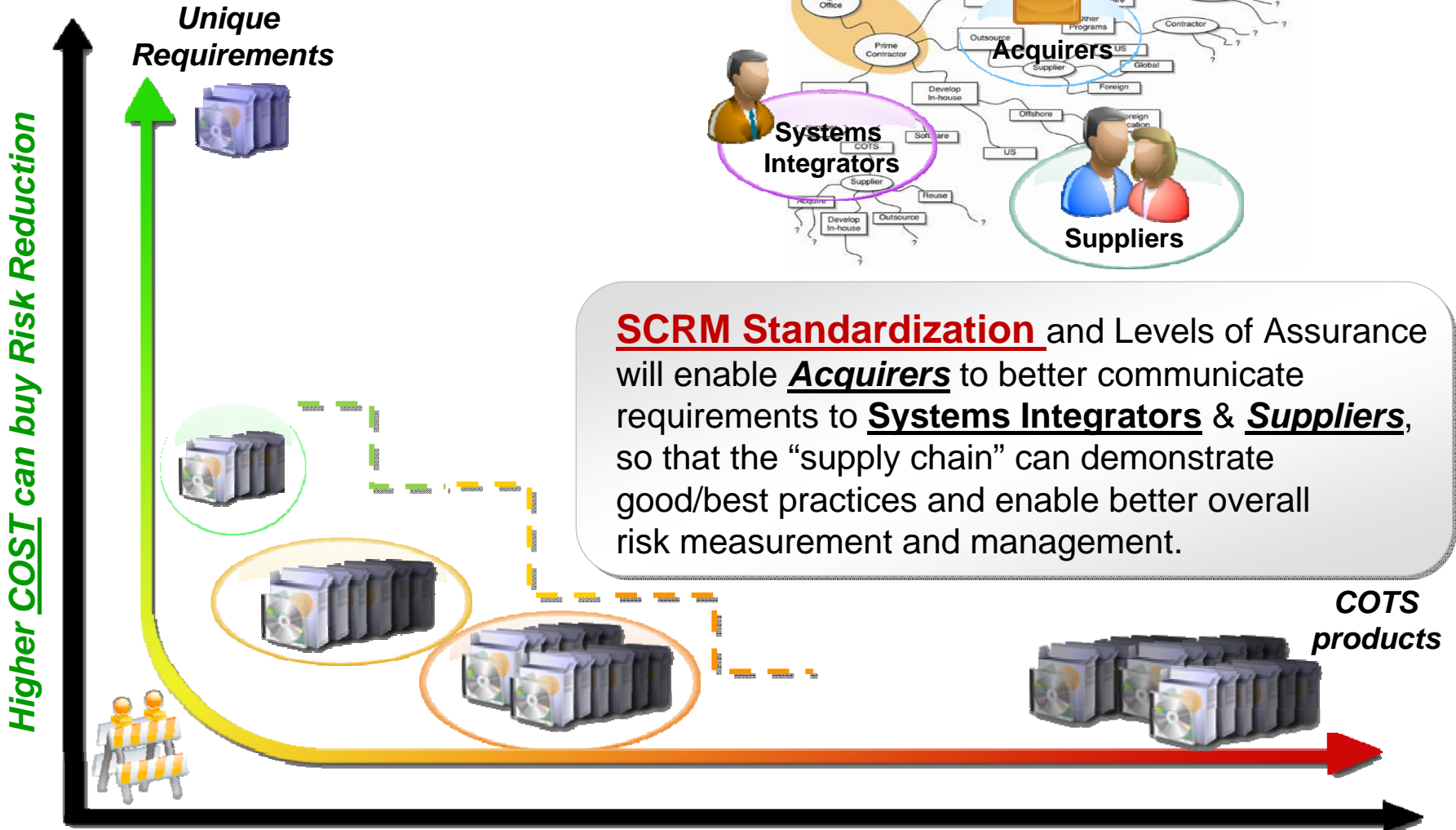


<b>Who is behind data breaches?</b>	<p>74% resulted from external sources (+1%).</p> <p>20% were caused by insiders (+2%).</p> <p><b>32% implicated business partners (-7%).</b></p> <p>39% involved multiple parties (+9%).</p>
<b>How do breaches occur?</b>	<p>7% were aided by significant errors (&lt;&gt;).</p> <p>64% resulted from hacking (+5%).</p> <p><b>38% utilized malware (+7%).</b></p> <p>22% involved privilege misuse (+7%).</p> <p>9% occurred via physical attacks (+7%).</p>

\* Source – 2009 Verizon Data Breach Investigations Report



# Systems Assurance TRADESPACE



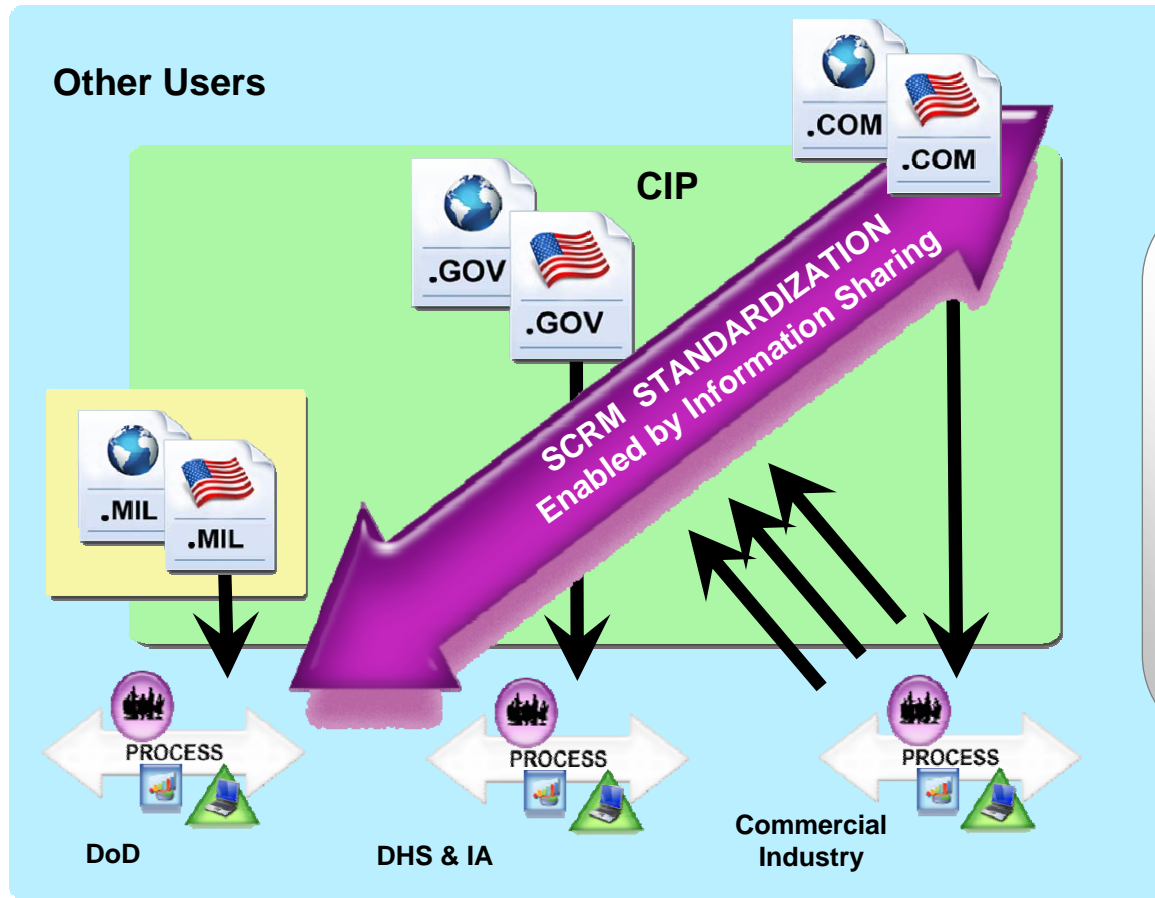
**SCRM Standardization** and Levels of Assurance will enable **Acquirers** to better communicate requirements to **Systems Integrators** & **Suppliers**, so that the “supply chain” can demonstrate good/best practices and enable better overall risk measurement and management.



# SCRM Stakeholders



**US (CNCI ) has vital interest in the global supply chain.**



**SCRM “commercially acceptable global standard(s)” must be derived from Commercial Industry Best Practices.**

**SCRM Standardization Requires Public-Private Collaborative Effort**



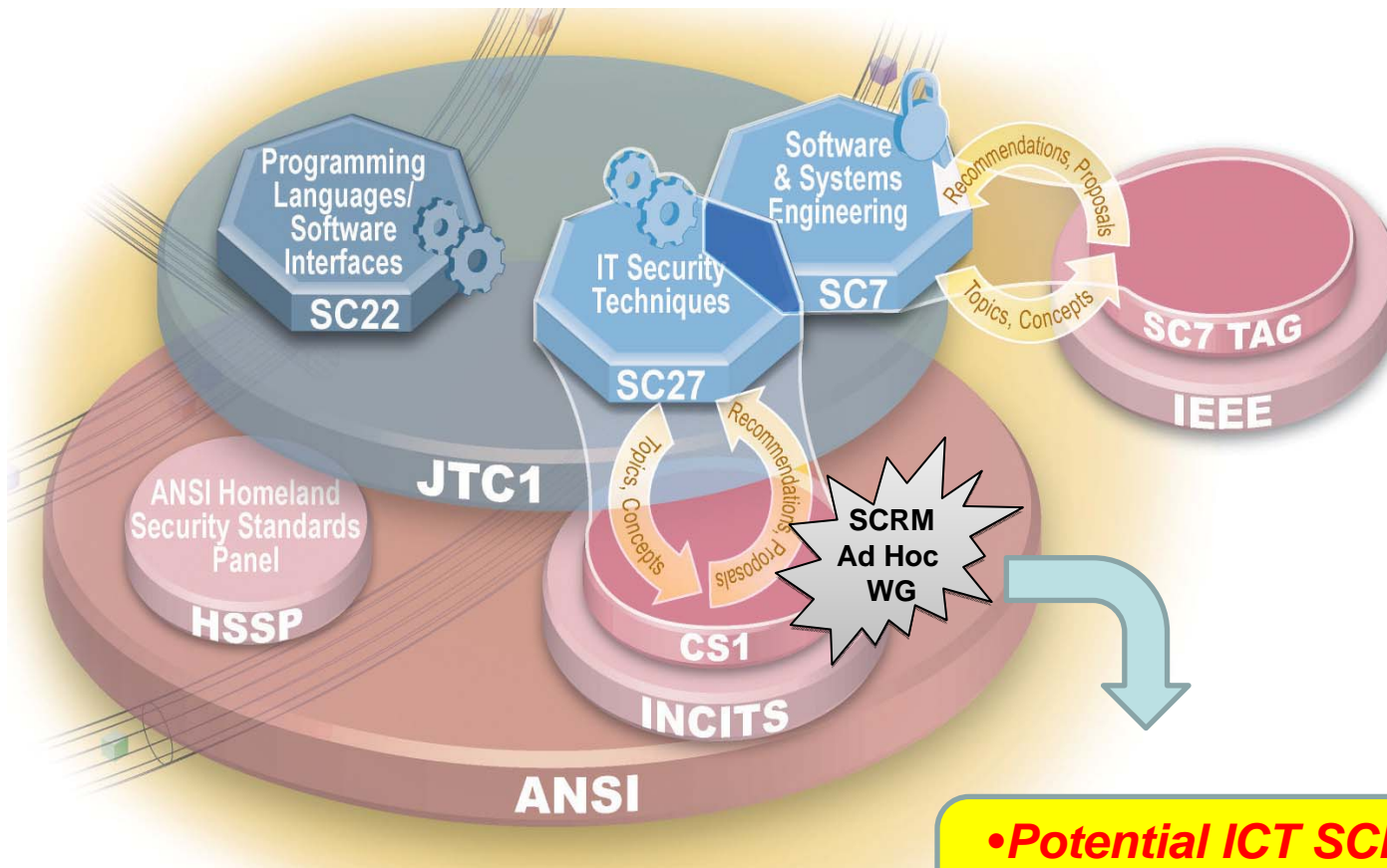






# SCRM Study Periods:

Nov'09 – Apr'10 / May-Oct'10



- **Potential ICT SCRM ISO Standard**
- **Development 2010-2013**
- **Adoption 2013-2016**



# SCRM & C2T2 in the DoD Lifecycle



**“CNCI-SCRM** is multi-pronged approach for global supply chain risk management. ...Managing this risk will require a greater awareness of the threats, vulnerabilities, and consequences associated with acquisition decisions; the development and employment of tools and resources to technically and operationally mitigate risk across the lifecycle of products (from design through retirement); the development of new acquisition policies and practices that reflect the complex global marketplace; and partnership with industry to develop and adopt supply chain and risk management standards and best practices.”

**254 Report**  
**Identified a**  
**Need for a**  
**Plan-of-Action**  
**on**

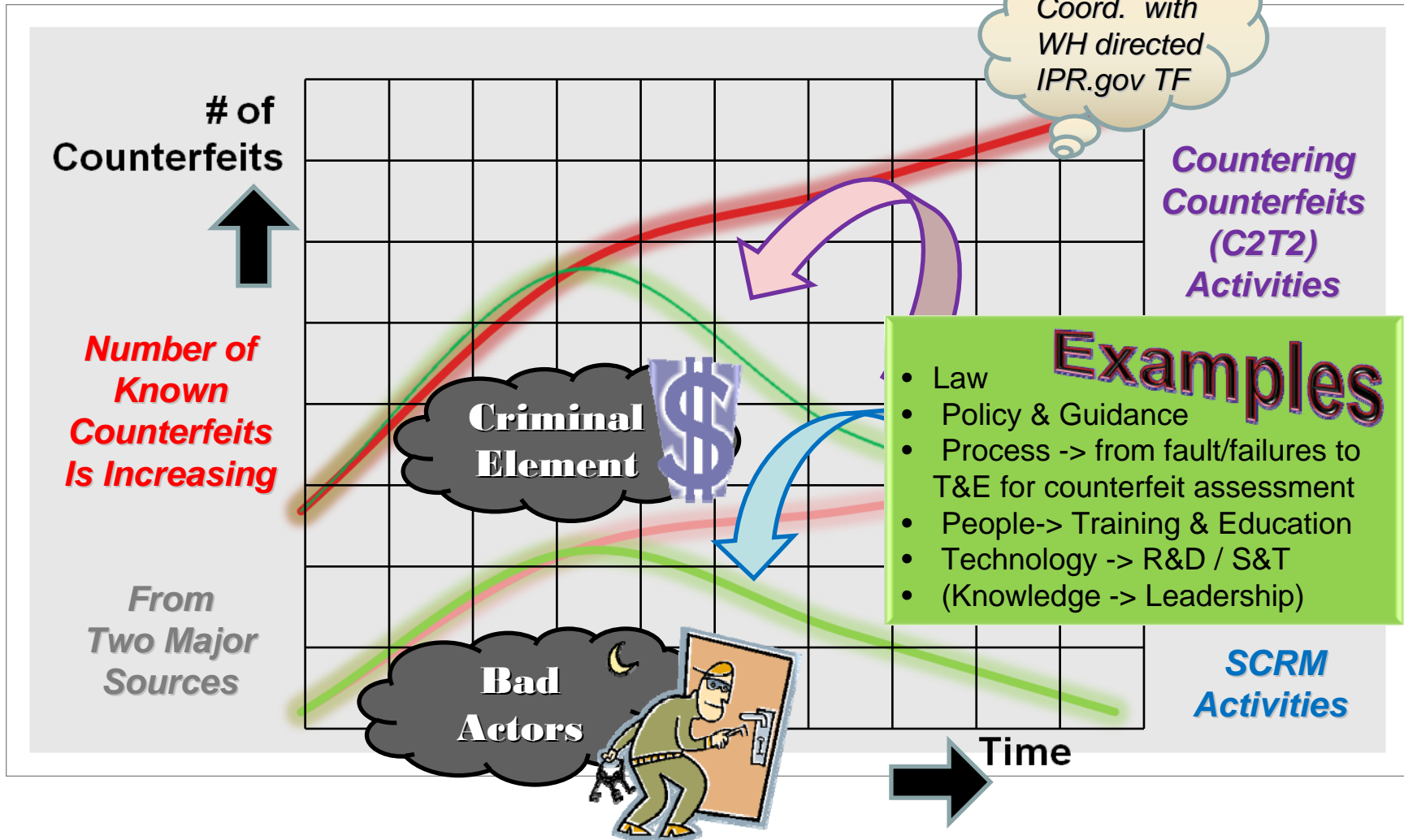
**COUNTERING**  
**COUNTERFEITS**

**especially**  
**during**

**OPERATIONS**  
**&**  
**SUSTAINMENT**



# Countering Counterfeits Strategic Concept







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