



# Enabling Secure Information Sharing Through the IA Component of the GIG

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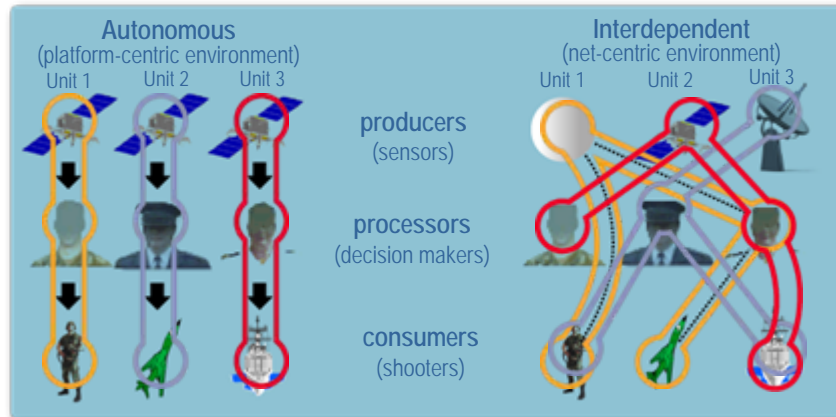


# The IA Protection Model Must Evolve



## Static "Perimeter" Protection Model

Protect and Control Access to the System-  
High Environment



Source: NCE JFC version 1, dated 7 April 2005

## Transactional "Enterprise IA" Protection Model

Protect and Control Access to Information  
Protect and Defend the Enterprise

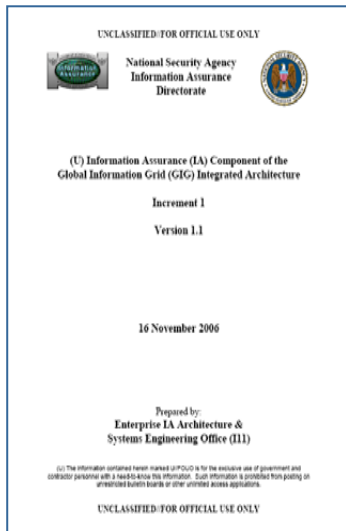


**DoD's Evolving Security Model Enables Secure Information Sharing**

**Getting the Right Information, at the Right Time, at the Right Place, and Displayed in the Right Format**



# Enterprise IA Strategy (End State)



## IA Component of the GIG Integrated Architecture Version 1.1

- **Transactional Information Protection**
  - Granular end-to-end information protection with enhanced access controls to enable assured information exchange within the variable trust net-centric environment
- **Digital-Policy Enabled Enterprise**
  - Dynamic response to changing mission needs, attacks, and systems degradations through highly automated and coordinated distribution and enforcement of digital policies
- **Defense Against an Adversary from Within**
  - Persistently monitor, track, search for, and respond to insider activity and misuse within the enterprise
- **Integrated Security Management**
  - Dynamic and automated net-centric security management seamlessly integrated with operations management
- **Enhanced Integrity and Trust of Net-Centric Systems**
  - Robust information assurance embedded within enterprise components and maintained over their life cycle



# GIG IA Near-term Priorities



- Standardize and Strengthen De-Militarized Zones (DMZs)
  - First line of defense from the Internet
- Improve Computer Network Defense (CND) and Configuration Management
  - Developed/Gained Agreement on CND architecture
- Improve ability to control access to information on SIPRNet
  - Build upon ongoing efforts - Net-Centric Enterprise Services, Attribute Based Access Control “standards”, SIPRNet PKI Token, Privilege Management Pilot
- Improve ability to assess GIG IA Compliance
  - Alignment Framework for GIG IA Architecture (AFG)