



**PEO STRI**

# Information Assurance: Impacts on Army Target Programs

**Barry Hatchett**  
Lead Project Director  
Targets Management Office (TMO)  
COM 256-842-6797,  
DSN 788-6797  
[Barry.Hatchett@us.army.mil](mailto:Barry.Hatchett@us.army.mil)



# Targets Management Office



## Outline

- **What is DOD Information Assurance Certification and Accreditation Process (DIACAP)?**
- **Why do Information Assurance?**
- **Process for DIACAP Compliance**
- **What impacts does DIACAP have on target programs**



# Targets Management Office



## What is DIACAP?

It is the process by which information systems are *certified* for compliance with DoD security requirements and *accredited* for operation by a designated official. It is the standard process under which all DoD information systems will achieve and maintain their Authority To Operate (ATO).





# Targets Management Office



## Why do Information Assurance?

**It is the Law! –**

**Clinger-Cohen Act, 1996**

**Federal Information Security Management Act (FISMA), 2002**

**DODI 5000.02 - “Operation of the Defense Acquisition System”**

**DODI 8580.1 – “IA in the Defense Acquisition System”**

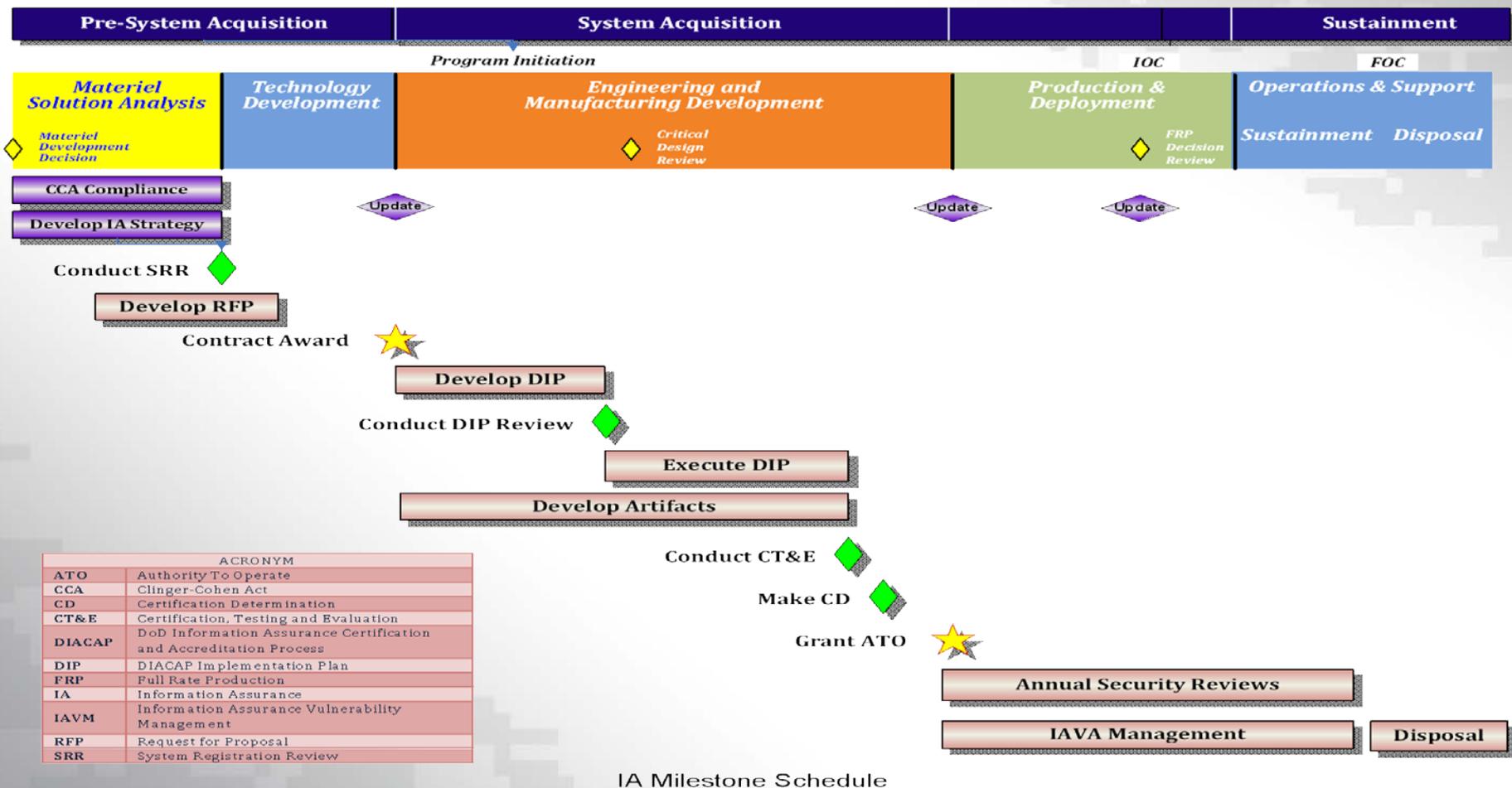
**AR 25-2 – “Information Assurance”**

***Military, Federal Civilian & Contractor* personnel may be subject to administrative &/or judicial sanctions if they knowingly, willfully , or negligently compromise, damage or place Army information systems at risk by not ensuring implementation of DOD & Army policies & procedures.**



# Targets Management Office

## Process for DIACAP Compliance





# Targets Management Office



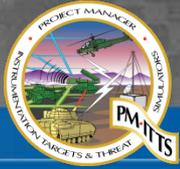
## Target Control System (TCS)

- **The Army's primary Subscale and Rotary Wing aerial target control system**
- **Current TCS began development in 2001**
- **System Configurations: Fixed Site, S280 Shelter, Portable**





# Targets Management Office



TTCS-U  
Engineering Flight Test  
20 May 2010



## IA Issues with TCS

- **Legacy System**
  - Some IA controls cannot be implemented
  - Hardware could not support IA tools
- **Certain IA controls could add risk to mission**
- **Funding to support DIACAP**
- **Each computer in the system must be configured separately**
- **Overall process is time consuming as it is manually intensive**





# Targets Management Office



## Impacts to TCS

- **Additional training is required for operators**
- **Manuals need to be updated**
- **Increases sustainment cost**
- **Increase time of regression testing**
- **Additional personnel needed to support IA needs**
  - Review and storage of audit records
  - Updating DIACAP documentation and yearly IA recertifying scans





# Targets Management Office



## TCS Open Vulnerabilities

	Before	After
Subsystem Control Console	339	114
Command Telemetry Subsystem	338	119
Position Display Subsystem	338	124
STEALTH	356	135

\* Windows XP Service Pack 3 accounts for ~ 90% of remaining Vulnerabilities



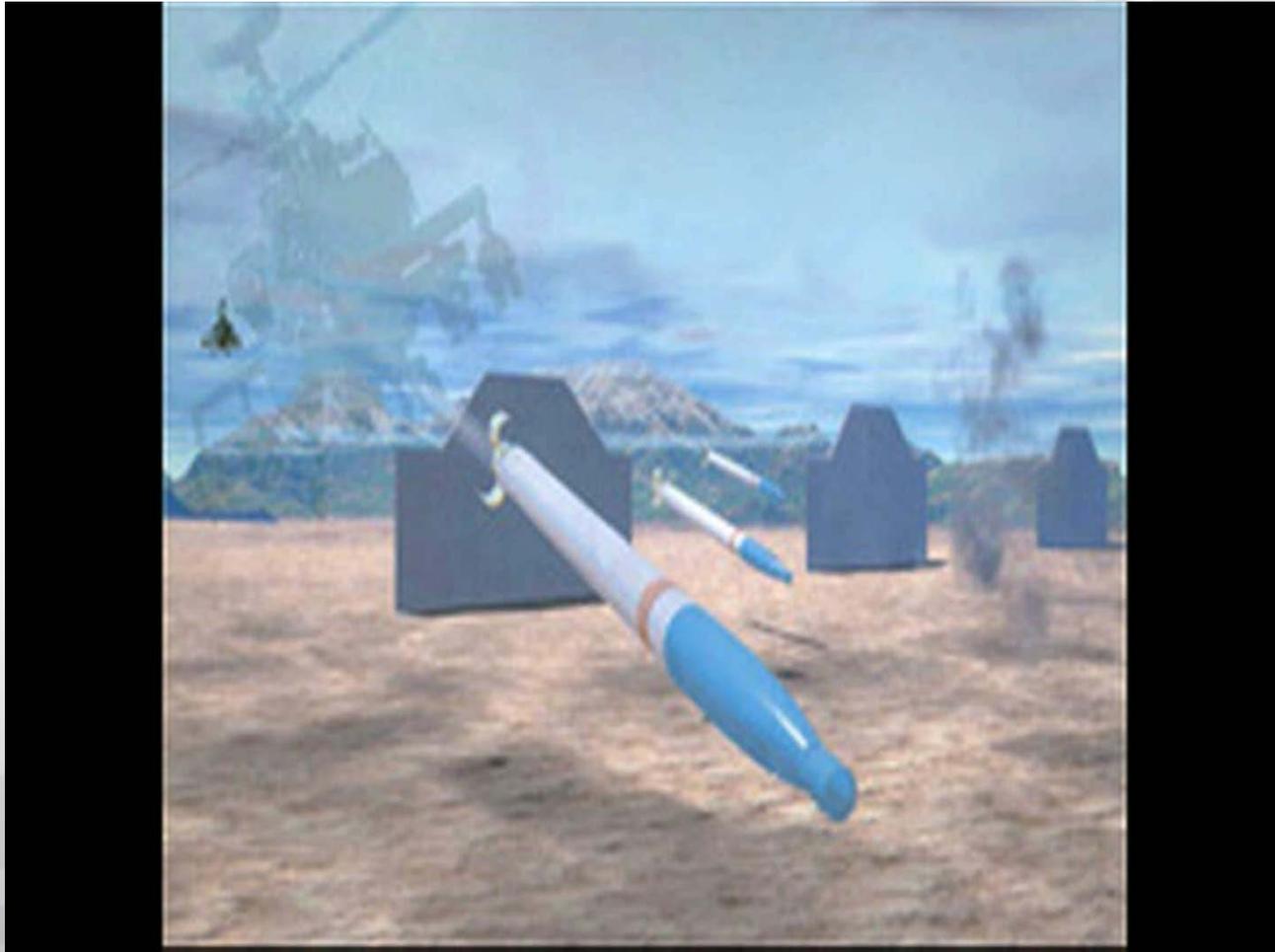
## Aerial Weapon Scoring System (AWSS)

- An integrated group of computer-controlled sensors used to score live-fire helicopter gunnery exercises at designated gunnery ranges



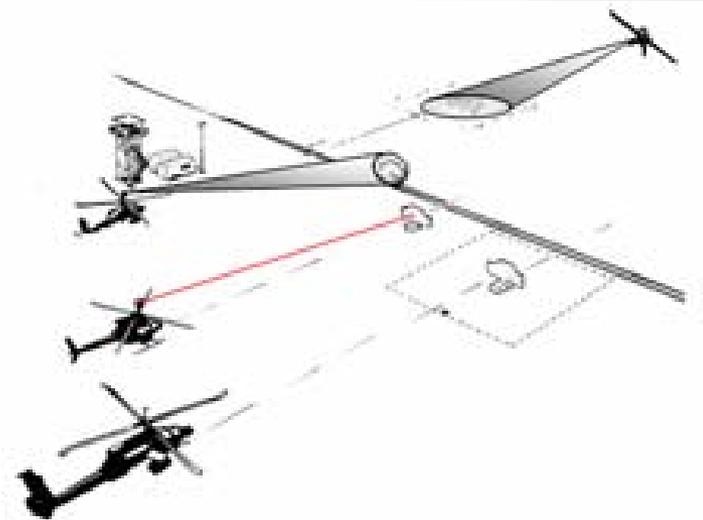


# Targets Management Office



## IA Issues with AWSS

- **Separate scan required for each computer hardware configuration**
- **Full licensed version of Retina required to resolve vulnerabilities**
- **AWSS is not connected to internet to receive security updates**
- **Overall process is time consuming as it is manually intensive**





# Targets Management Office



## Impacts to AWSS

- **Virtual Network Connection not authorized thus preventing communication from tower**
- **User login with password protection (14 characters)**
- **System response performance was degraded**





# Targets Management Office



## AWSS Open Vulnerabilities

	Before	After
Gold Disk	732	3
Retina	43	34

- 3 Open Vulnerabilities with Gold Disk were considered acceptable for accreditation
- Most Open Vulnerabilities with Retina were low risk



# Targets Management Office



## Summary

- IA is law and here to stay
- Plan and prepare early in the acquisition of system
- Continue to support mission requirements

