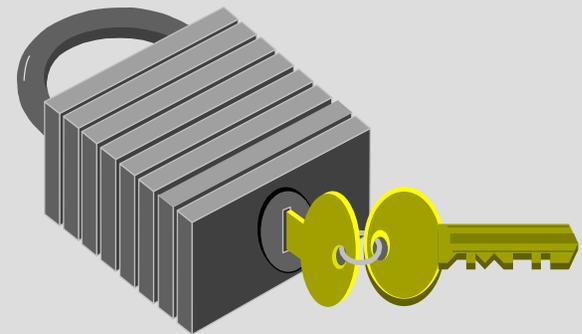
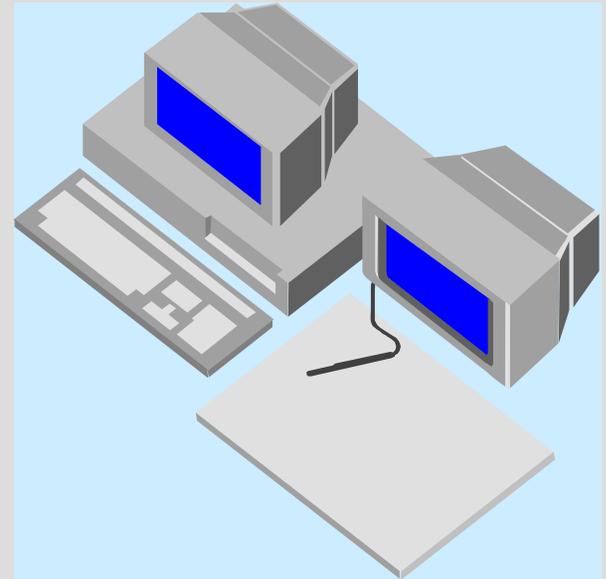




Information Assurance

ARNG-CIO Information Assurance Program



IA security



Information Assurance

AGENDA

- IA/IO Definitions
- ARNG IA Organization
- ARNG CERT Organization
- State level CERT's
- CERT Training Sites
- State Infrastructure Protection Center (SIPC)
- Army Information Assurance Program (AIAP)
- Training/Reporting
- CERT Level Training
- IA Web Pages
- ARNG Network Accreditation
- IA POC's



Information Assurance

- Information Operations (IO) - Actions taken to access and/or affect adversary information and information systems, while defending one's own information systems. (FM 100-6)
- Offense and defense, influence and protect
- Concept which contains...
 - Information Warfare
 - Information Assurance



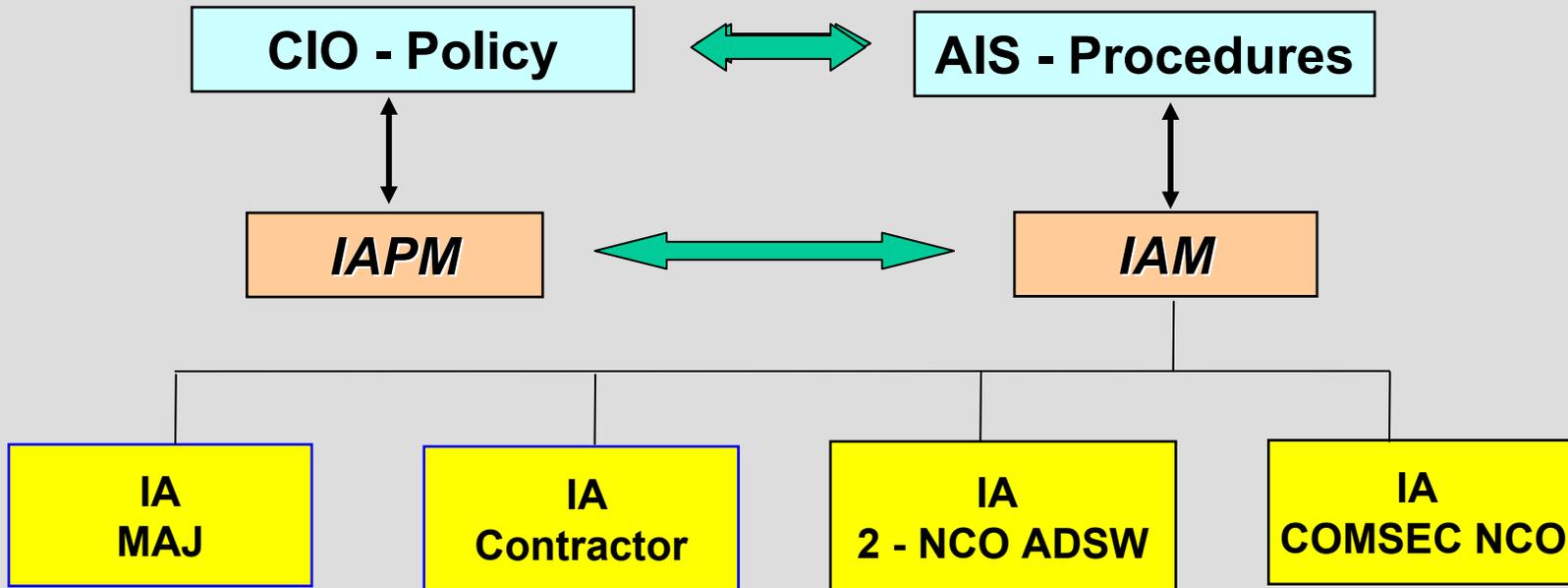
Information Assurance

- Information Assurance (IA) - is information operations that protect and defend information and information systems by ensuring their availability, integrity, authentication, confidentiality, and non-reproduction. This includes providing for restoration of information systems by incorporating protection, detection, and reaction capabilities.



Information Assurance

ARNG/AIS IA ORGANIZATION



Mission: Assist in developing of Army National Guard IA policy, and implementing IA procedures (ISS, BIOMETRICS, DITSCAP, PKI, COOP, COMSEC, CERT, STU-III/STE). Provide technical advice and assistance to the state DOIMs/DCSIMs and CERTs. Monitor command IA programs. Manage IA training (awareness, CERT, and COMSEC), accreditation (DITSCAP), COOP, and IA resources.

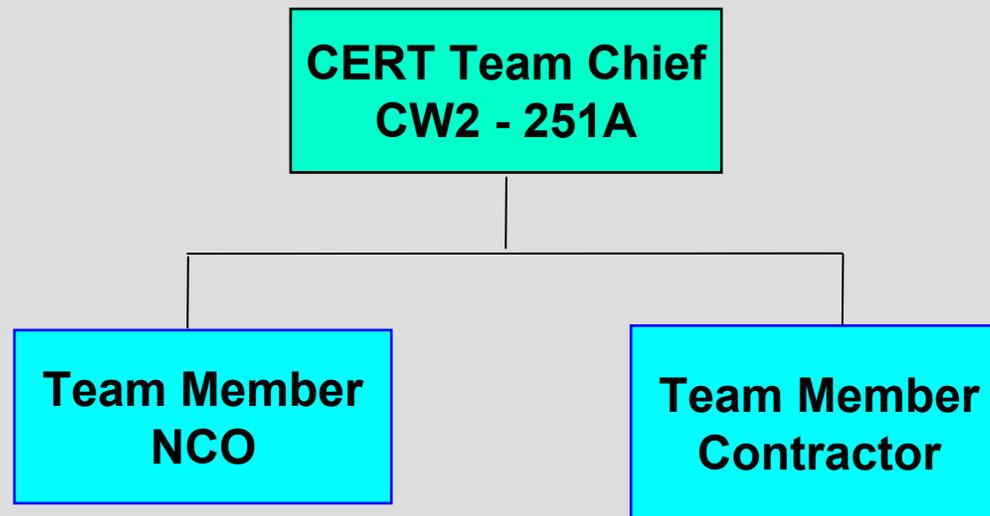




Information Assurance

ARNG-CERT/CC

National Guard Computer Emergency Response Team/Coordination Center



Mission: Conduct defensive IA in support of Guard Net XXI and National Guard state level networks. Implement IAVA policies and monitor state level IAVA compliance. The CERT is responsible for keeping the ARNG and Army IA command structure informed of incidents, vulnerabilities, risk assessments, IAVA compliance, Firewall and IDS.



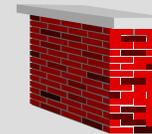
Information Assurance

ARNG-CERT/CC

National Guard Computer Emergency Response Team/Coordination Center

Primary Responsibilities

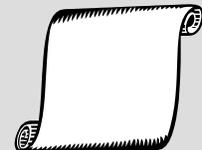
- **Firewalls (installation/administration)**



- **Intrusion Detection Systems (installation/administration)**



- **IAVA Messages (reporting/implementation)**



- **Incident Response Handling (intrusions/viruses)**

- **Network Security Issues (policies/vulnerability testing)**

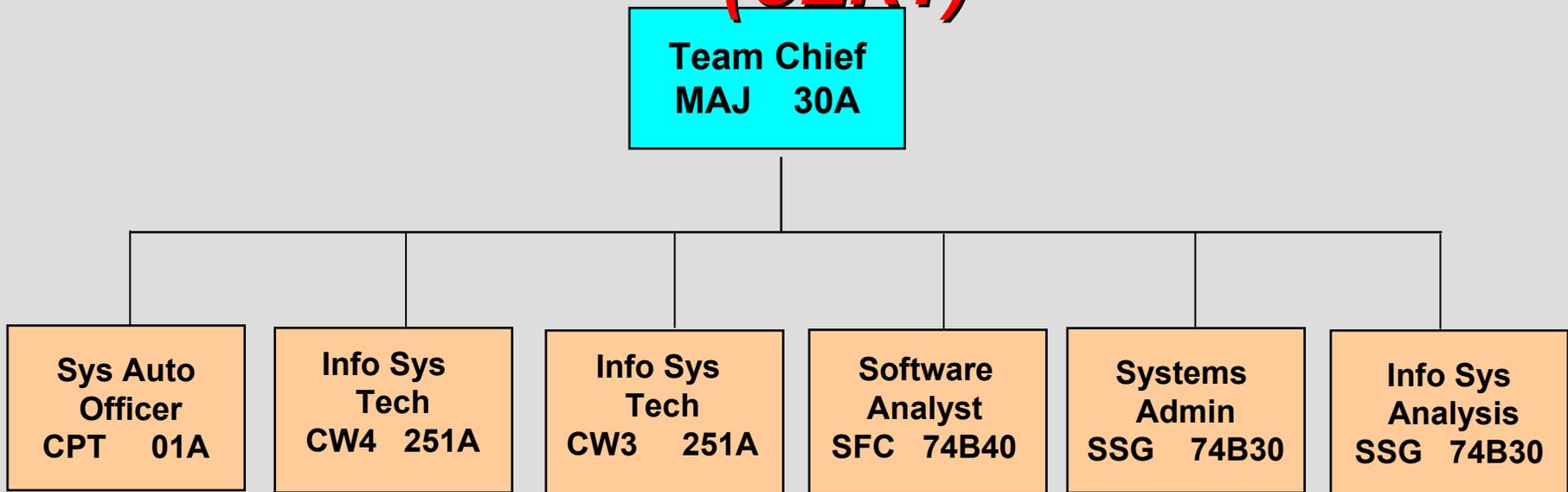




Information Assurance



STARC LEVEL COMPUTER EMERGENCY RESPONSE TEAM (CERT)



CERT at each of the 54 STARC Hqs and one full time IA GS-11 position



Information Assurance

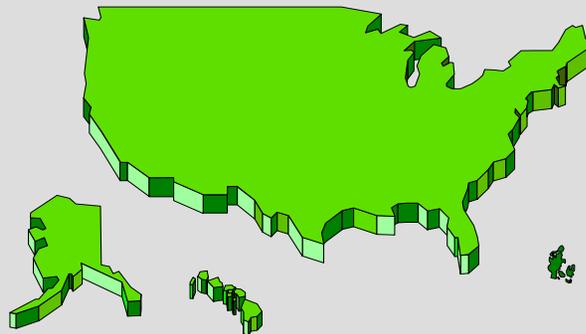
CERTs & Training Sites

57 - CERTs (NGB/VA DPU - 3 / states - 54)

28 - CERTs 86-100% fill

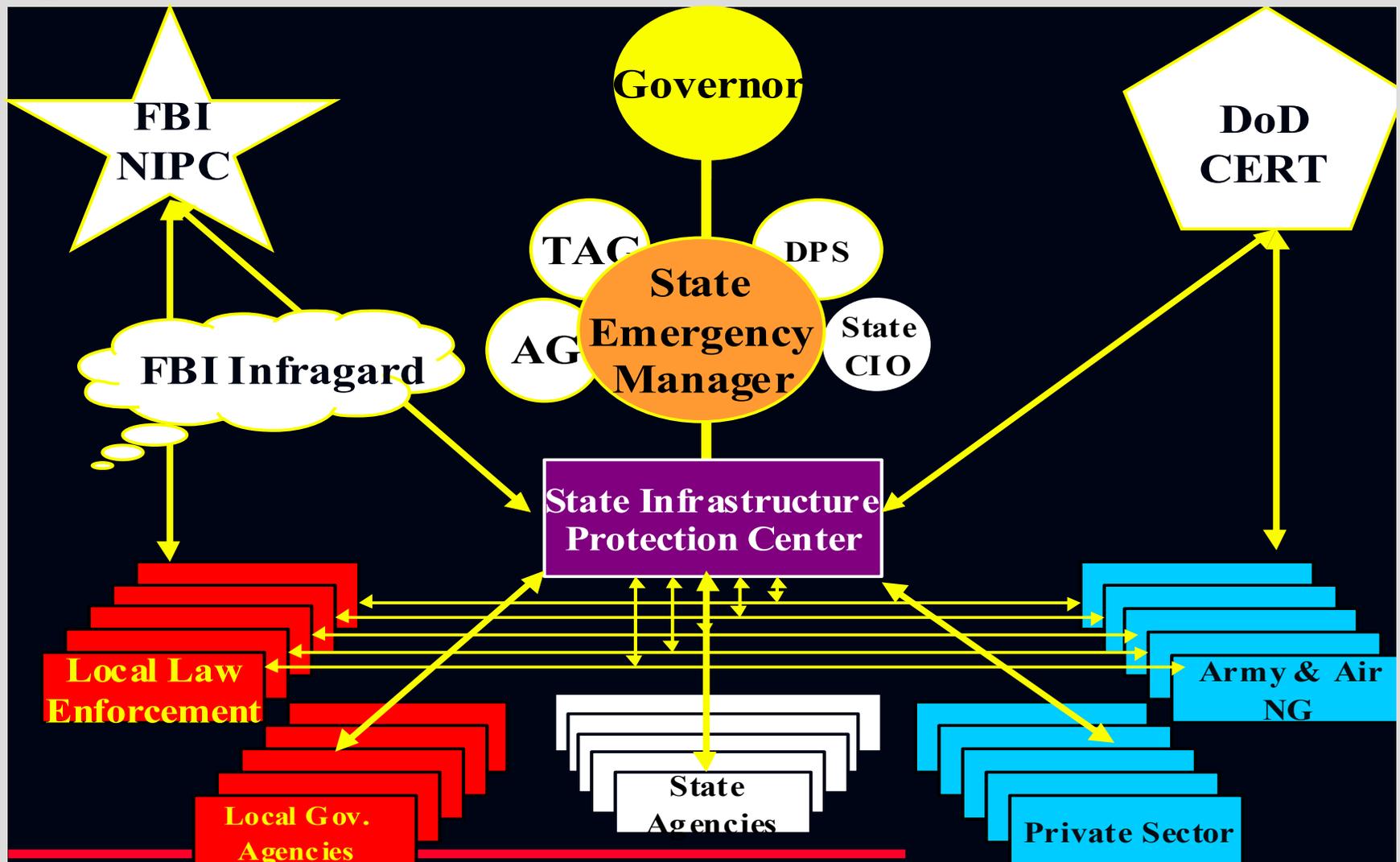
29- CERTs 14-71% fill

2 - CERT Training Centers - VT & WA





Information Assurance





Information Assurance

State Infrastructure Protection Center

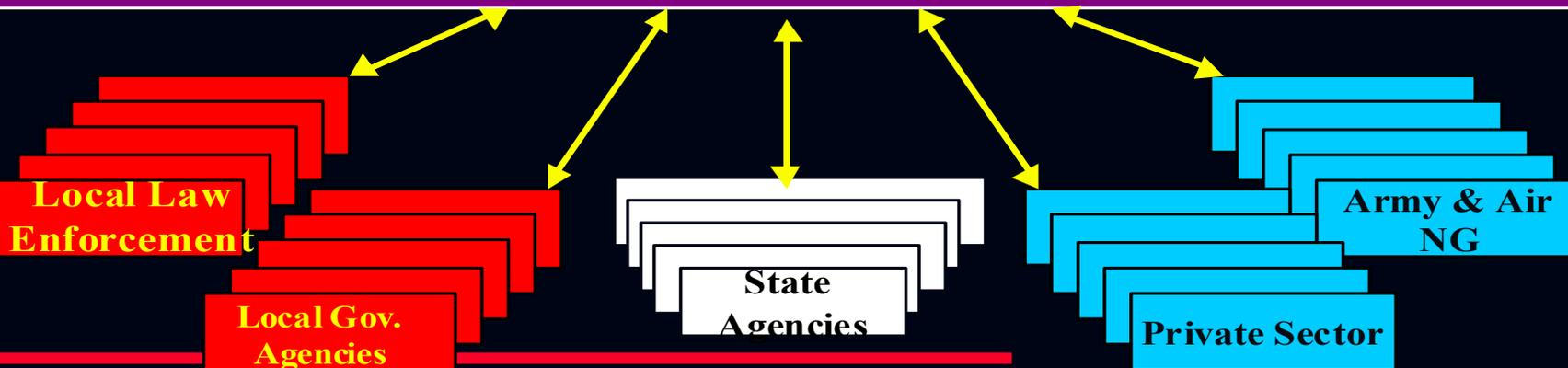
State Emergency Manager

State CIO CERT
DPS
Attorney General
Adjutant General
FBI - Infragard

Army NG CERT
Air NG CERT
NG WMD Team
Joint Reserve Intell Ctr

Sector Watch

Water - Emergency Services - Telecomm- Energy - Transportation - Gov Services





Information Assurance

ARNG- AIAP COMPLIANCE

NIST Compliance

- Firewalls (Gauntlet UNIX)
- IDS (Real Secure)
- Anti-virus Software
- Web Page Registration/Certification



**IA Vulnerability Alerts, Bulletins &
Technical Tips compliance reporting
Intrusion/Virus incident reporting**



Information Assurance

ARNG IA Training/Reporting

USER IA Awareness Training - GUARDNET

- On line course & registration

IASO Course - Fort Gordon Web Page

- Hot link from GUARDNET

CERT Reporting - IMC Web Page

- Personnel & Training Status Reporting

IA Program Status - GUARDNET

- IAM/IANM/IASO registration
- State level IASO/SA registration





Information Assurance

CERT/COMSEC/IA TRAINING

COURSES:

- IA level I Certification - CD-ROM / web base training
DISC4 IA workshops
- IA level II/III Certification - SA & NWM Security & CERT Courses
- IO-101 Information Operations Overview {CD}
- IRH Incident Response Handling {web base}
- CERT Operational Training Experience - 2 weeks
- COMSEC Custodian & Command COMSEC Inspector Training - 2 weeks
- SA & NWM Security Training - 2 weeks
- Individual IA Training {web base}
- IASO Course {web base}





Information Assurance

CERT/COMSEC/IA TRAINING

VT ARNG IO Training Center, Colchester VT -

***CERT Courses IO-101/IRH/CERT OTE
(ATTRRS school code -1019)***

***NG Professional Education Center (PEC)
Camp Robinson, N. Little Rock AR***

***COMSEC Custodian & Inspector Courses
(ATTRRS school code 922 - NGB-AIS SCC/
NGB-CCICC)***

***SA/NWM Security Courses
(ATTRRS school code 922 - FTS-073)***



Information Assurance

ARNG IA PROGRAMS

Command AIAP

- IA Awareness/Training
- IA Personnel Registration
- Command COMSEC Inspection



Accreditation

PKI - DMS (Unclass/Classified)

Web Server PKI Registration

SIPRNET

Encryption STE/NES/FASTLANE



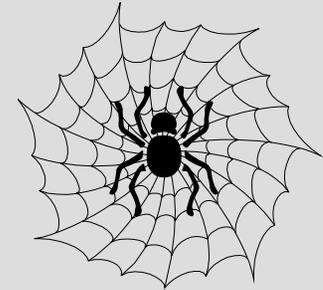
Information Assurance

IA WEB PAGES

GUARDNET - (Main web Page)

- DMS
- PKI
- Virus Information
- Online User Computer Security Training
- IASO Certification
- IA News Tips (IA related articles)
- Continuity of Operations Plan (COOP)

<http://guardnet.ngb.army.mil> log-in (ID/password required). Main page upper right hand corner (home/Jump window) click on #15 AIS. AIS web page left hand side, under BRANCHES click on AIS-IA.





Information Assurance

IA WEB PAGES



AIS (web page)

- **IMC web page (CERT personnel/training report)**
- **PKI**
- **IAVA Reporting**
- **Blocked Internet web pages**
- **IASO/IAN/IANM/SA Registration**
- **IA Training Opportunities:**
 - Fort Gordon SA/NWM Course site (others)**
 - PEC SA/NWM Course Schedule**
 - CERT OTE Schedule**
 - NDU ISS/CIO Certification Courses**
 - Commercial Vendor IA training sites**



Information Assurance

IA WEB PAGES

AIS-IA (web page) -

- Accreditation
- COMSEC
- AKMS
- IA Misc
- STUIII-/STE
- IAVA CERTs
- IA Ref Lists
- IA Army Policy
- IA News Tips
- Biometrics
- Cyber Notes





Information Assurance

ARNG- NETWORK ACCREDITATION

DITSCAP - Defense Information Technology Security Certification Accreditation Program

Generic

- Reserve Component Automated System (RCAS)

Operational (Web Site)

- Distributed Technology Training Project (DTTP)
- GUARDNET XXI
- NGB Joint Staff (JP-1)
- Army National Readiness Center (ARNGRC)
- GUARDNET XXXI/State Networks

Xacta - C& A Software





Information Assurance

NGB CIO - IA Points of Contact

**COL Richard Findlay
Chief Information Officer**

(703) 607- 0022

DSN 327- 0022

richard.findlay@ngb.army.mil

**LTC Jeffrey Altdorfer
NGB-CIO- (IA policy)**

(703) 607- 0003

DSN 327- 0003

**jeffrey.aldorfer@ngb.army.mil or
jeffrey.aldorfer@us.army.mil**

**MAJ Darryl Stewart
NGB-CIO- (IA/PKI)**

(703) 607- 0004

DSN 327- 0004

darryl.stewart@ngb.army.mil



Information Assurance

NGB AIS - IA Points of Contact

Mr. Gene McDaniel
Dep Chief AIS / NGB-
Deputy (IAPM)

(703) 607- 9631
DSN 327- 9631

gene.mcdaniel@ngb.army.mil

Mr. Floyd J. Marsteller
NGB-AIS (IAM/COMSEC Manager)

(703) 607- 9632
DSN 327- 9632



floyd.marsteller@ngb.army.mil

CW2 Alston Royal
NGB CERT Team Chief

(703) 607- 9302
DSN 327- 9302

alston.royal@ngb.army.mil

GUARDNET:
<http://guardnet.ngb.army.mil>

E-mail: ngb-cert@ngb.army.mil
GUARDNET: NGB CERT web page