



# CIO/G-6 OVERVIEW

Organization, Mission & Functions

**ARMY CIO/G-6**

AMERICA'S ARMY • THE STRENGTH OF THE NATION • ARMY STRONG



**LTG SUSAN S. LAWRENCE**

CHIEF INFORMATION OFFICER / G-6



# Agenda

- ★ The Army CIO/G-6
- ★ Vision, Mission and Roles
- ★ Core Mission Sets
- ★ The Organization
- ★ Staying Connected with the Army CIO/G-6



# The Army CIO/G-6

- ★ She is the Army CIO and the Army G6
- ★ As the CIO She Fights in the 5-Sided Foxhole to Get the Resources to Deliver World Class Enterprise Services and Enable Network Dependent Capabilities
- ★ We Have Big Army Challenges, But Nothing We Together Cannot Solve
- ★ As the G6 She Represents Warfighting Commander's Interest to Ensure The Network Enables a Smaller, More Capable, Better Trained Expeditionary Army
- ★ We Are the Most Experienced Force in the History of the Army – She Needs to Leverage that Experience to Effectively Lead From the Department Level
- ★ She will Lead with the Same Intensity and Vigor as Both the CIO and as the G6

# CIO/G-6 Vision, Mission & Roles



## Vision: “LandWarNet: Powering America’s Army”

The Network Must be **Capable, Reliable, and Trusted** and to Get There it Has to be a Single, **Secure, Standards-based Environment** that **Ensures Access At The Point Of Need** and **Enables Global Collaboration**.

## Mission:

Lead LandWarNet Transformation to Deliver Timely, Trusted, and Shared Information. Create an Environment Where Innovation and Service Empowers Army and Mission Partners Through an Unsurpassed Responsive, Collaborative and Trusted Information Enterprise.

As the Army Chief Information Officer (CIO), Report Directly to the **Secretary of the Army** for Setting the Strategic Direction, Objectives, and Supervising all Army C4 and Information Technology Functions.



As the Army G-6, Support the **Army Chief of Staff** and Army Staff in Performing Information Management, Network Operations, Force Structure, and Equipping and Employing Signal Forces.



# CIO Secretariat Functions

## Public Law

- ★ **Responsible for IM Functions [10 USC, Sec 3014(c)(1)(D)]** – Primary Duty is **Info Resource Mgr [40 USC, Sec 11315]**
- ★ Ensure IRM operations & decisions are **integrated with organizational planning, budget, & financial management, human resources management, and program decisions [44 USC, Sec 3506]**
- ★ **Review budget requests for all IT and NSS [10 USC, Sec 31 § 2223]**
- ★ Provide (in concert w/FM&C) consultation to SA for policies & procedures that **provide program performance data for financial reporting [40 USC, Sec 11316]**
- ★ Develop a **full and accurate accounting** (in concert w/FM&C) of IT expenditures, related expenditures & results **[44 USC, Sec 3506]**
- ★ Develop and maintain a **strategic IRM plan** to include a full and accurate accounting of information technology expenditures **[USC 44, Sec 3506]**
- ★ Ensure **IT is acquired & Info resources are managed** IAW 44 USC, Chapter 36 **[40 USC, Sec 11315]**
- ★ Develop, maintain & facilitate implementation of a sound, secure and **Integrated Architecture [40 USC, Sec 11315]**
- ★ Assist Office of Egov in ID, **development & coordination of multiagency projects & other innovative initiatives** to improve Gov performance through the use of IT **[44 USC, Sec 3601]**
- ★ **Monitor and evaluate** the performance of information technology programs and **advise whether to continue, modify, or terminate a program or project**
- ★ Comply with **information security standards** promulgated by OMB under 40 USC, Sec 11331 and those directed by the President for NSS **[44 USC, Sec 3534]**
- ★ Provide **Info Sec protections** commensurate w/risk for Army information & Info Systems **[44 USC, Sec 3534]**
- ★ Carry out powers functions & duties of SA with regard to implementation **IT workforce development [44 USC, Sec 3501 § 209]**
- ★ **Cyber/IA Personnel Certification Program [FISMA-OMB]**

## Chief Information Officer

As the Army Chief Information Officer (CIO), report directly to the *Secretary of the Army* for setting the strategic direction, objectives, and supervising all Army C4 and IT functions.

- ★ Validate C4IT requirements & prioritization of individual programs...in consultation with G-3/5/7, subject to the oversight & review, and approval of ASA (FM&C) **[SA, 19 Mar 96]**
- ★ Validate the requirements & priorities for the development of IM systems and oversee the appropriate resourcing of individual programs by the functional proponents **[SA, 20 Mar 96]**
- ★ Confirm appropriate investment levels to achieve the individual requirements within the context of the overall IM Strategy **[SA, 26 Aug 96]**
- ★ Functions:
  - General Support (procurement regulations & laws)
  - Strategic Planning
  - Programming
  - Acquisition
  - **Business Process Reengineering (BPR) – Technical Review & Approval**
  - Develop Performance Measurements – Functional Proponents, PEOs/PMs use for management of C4IT systems; CIO monitors performance
  - Capital IT Investment Planning/Budgeting
  - CP34 Functional Chief - Training & Education
  - **Records Management, Privacy Act and FISMA**
  - Technical, **Systems** and Enterprise Architecture
  - C4IT Modernization Programs
  - Army IT Investment Strategy
  - **Manpower Affordability Reviews**
  - CP34 Functional Chief
  - Information Security



# ARSTAF G-6 Functions

## General Orders 2012-01

- ★ Serve as the Army CIO and Chair of CIO Executive Board
- ★ Develop, coordinate & implementation C4IM capital planning & investment strategy for the enterprise (includes investment policies, oversight & control) and the planning, programming, budgeting & execution of all C4IT resources
- ★ Serve as the Army G-6 and advise CSA on Info and Signal Ops, networks, COMSEC, force structure, equipping & employment of Signal Forces
- ★ Provide ARSTAF G-6 operational staff assessments & analysis & programming impact on Signal & network ops
- ★ Develop policy and guidance on IM, C4IT and Visual Information
- ★ Develop policy, provide oversight and program direction for Army Electronics Business Program
- ★ Advise and assist ASA(ALT) on all matters relating to the acquisition of C4IT
- ★ Provide CIO assessment of NSS and IT Systems as defined in 40 USC and certification of Clinger-Cohen Act Compliance
- ★ Develop policy & provide oversight for Army IA and provide centralized program management for Army's IS Security Program
- ★ Provide policy, guidance & oversight of PKI, CAC, and other enabling technologies
- ★ Develop, coordinate & implement Army Knowledge Management, Enterprise Architecture, Enterprise Infostructure and the Army Enterprise Portal
- ★ Develop policy and provide oversight of Army Spectrum Mgt Program; provide spectrum certification of spectrum dependent acquisition capabilities and programs
- ★ Provide guidance and validation of business process initiatives and programs with C4IT impact
- ★ Develop & implement a C4IM human capital planning strategy & program (CP34)

## G-6

As the Army G-6, support the Army Chief of Staff and Army Staff to ensure the execution of the Army Signal/G-6 function, including advising on the effects of IM, IT and communications issues on warfighting capabilities and providing support to current and future force capabilities.

- ★ Advise the CSA and ARSTAF on all operational matters concerning planning, fielding, execution and proponency for world/wide C4IT support during peacetime, crises, contingencies and war
- ★ Formulate and defend resources necessary provide C4IT capabilities to the Warfighter; translate C4IT requirements into dollars; and provide that necessary operational perspective
- ★ Oversee the management of the operating force for the G6
- ★ Review & assess all army Force Design Updates (FDU's) to determine relevancy of signal and communications support along with advising on the shaping of signal cops force structure
- ★ Integrate the CIO/G-6 activities in support of warfighting operations
- ★ Functions:
  - Warfighting C4IT Program Reviews
  - Total Army Analysis (TAA) Review & Assessments Impacting Signal Force Structure
  - Provide operational expertise in capabilities, employment, and sustainment of Army and Joint strategic, operational and tactical C4IT, combined IS architectures, and COOP IT planning, programming, and implementation
  - Provide C4IT expertise to Army Special Access Programs (SAP) and Homeland Security
  - Synchronizes C4 IT and signal issues across the ARSTAF
  - Provide daily updates on Operations in support of the CSA and Army Operations Center

Provide the C4IT input to the Army's Strategic Plan



# Army CIO/G-6 Core Mission Sets

## Information Resource Management

- ❖ Responsible for **Information Management Functions** Under Title 10 – Primary Duty is Information Resource Manager Under Title 40
- ❖ Ensures **Information Resource Mgt Operations & Decisions are Integrated** with Organizational Planning, Budget, & Financial Management, Human Resources Management, and Program Decisions Under Title 44

## IT Policy

- ❖ Establishes **Overarching IT Policies** and CIO Functions Under Titles 10, 40, and 44 (Army Regulation 25-1)
- ❖ Establishes Policies for Managing the **Army Information Assurance Program** (Army Regulation 25-2)

## Technical Architecture

- ❖ Develop, Maintain & Facilitate Implementation of **a Sound, Secure and Integrated Architecture** Under Title 40



# Army CIO/G-6 Core Mission Sets

## IT Governance

- ❖ Reviews **IT Resource Requirements** and Makes **Program Development and Resource Allocation Recommendations** as Co-Chair of the IT General Officer Steering Council
- ❖ **Ensures Compliance and Standardization** of IT Standards Throughout the Army

## Information Protection and IT Security

- ❖ Complies with **Information Security Standards** Promulgated by OMB Under Title 40 and Those Directed by the President for National Security Systems Under Title 44
- ❖ Provides **Information Security Protections** Commensurate with Risk for Army Information and Information Systems Under Title 44

## Network and Signal Operations

- ❖ As the **Army G-6, Advise CSA** on Information and Signal Ops; Networks; Communications Security; Force Structure, Equipping & Employment of Signal Forces; and **Oversees the Army Spectrum Management Program**



# Army CIO/G-6 Task Organization



**CIO / G-6**



LTG Lawrence



**Deputy, CIO / G-6**

Mr. Krieger



SGM McCrary



## Integration

- Aligns CIO/G-6 Strategic Goals & Drives Strategy Implementation
- Strategic Communications & Congressional Affairs
- Enterprise Services Management
- Support Services, Human Resources & Contracting

Mr Breakiron



## Policy and Resources

- Oversees Major IM/IT Programs in Policy & Governance
- Resource Integration
- Policy Compliance
- Career Program Management
- Enterprise Services Management

Mr Pfoztzer



## Architecture, Operations, Networks & Space

- LandWarNet Architecture
- Develops the Enterprise Architecture
- Current Operations for OCO
- Guides Enterprise Information Environment

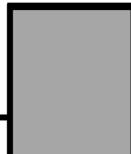
BG Brendler



## Cyber Security

- Army Cyber Strategy
- Information Assurance
- Cyber Emerging Technologies/R&D
- Testing, Evaluation, & Certification

MG Dyer



## Deputy, CIO-USAR

- MACOM (USARC) CIO & IAPM
- Army Reserve Single Network Enterprise Center
- Army Reserve Current Operations to 940 + sites
- "Transformation Lab"

COL Sneddon



## 9th Signal Command (Army)

- Enterprise Network Management
- Network Enterprise Center Oversight
- Computer Network Defense

MG Lynn



Mr. Bradford



CSM Williams



COL Gallagher



## PEO Enterprise Information Systems

- Develops, Acquires, Integrates, Deploys & Sustains:
- Knowledge-Based Information Technology
  - Business Management Systems
  - Infrastructure

Mr. Wiltse





# Architecture, Operations, Networks and Space (AONS) Directorate

## ★ Current Operations & Plans (AOP)

- AMN CENTRIXs-ISAF; C5ISR; Defense Support to Civil Authorities; Nat'l Leadership C2; HQDA Worldwide SVTC; Army SAP Information Assurance; Certification & Accreditation of Government Sites; COOP OPLANs & Exercises

## ★ LandWarNet Network Integration (AON)

- Battle Command; Global Enterprise Network Implementation Planning; NRO Liaison; NetOps; SATCOM; Win-T; Tactical Radio/JTRS/Lower TI

## ★ Information Infrastructure Integration (AOI)

- BRAC; Enterprise Email; Land Mobile Radio; Thin Client; Active Directory; I3MP

## ★ Army Data Center Consolidation Plan (ADCCP)

- EXORD & FRAGOs; AAA BRAC Application Migration Audit; Goal 1 Waiver Review

## ★ Army Spectrum Management Office (ASMO)

- Develop Army Spectrum Policies; Negotiate Spectrum Treaties/Agreements; Defend/Champion Army Usage at National/International Levels (Commercial Encroachment)

## ★ Army Architecture Integration Center (AAIC)

- Army Software Transformation; Compliance; Architecture; IPv6; Army Enterprise Network Architecture



# Policy & Resources

## Mission

**Oversees Major Programs in Policy & Governance, Resource Integration, Policy Compliance, Career Program Management, and Unified Capabilities Management**

## Areas of Interest

- ★ **SECARMY IT Reform Initiative**
- ★ **Army Request for IT (ARFIT)**
- ★ **Unified Capabilities**
  - **Enterprise Collaborative Services**
  - **AKO Transition**
- ★ **Collapsing all IT policy into 2 Army Regulations**
  - **AR 25-1 Information Technology**
  - **AR 25-2 Information Assurance**



# Chief Integration Office

## Mission

The Chief Integration Office is Responsible for Integrating CIO/G-6 Products and Projects Across the HQDA While Providing Management Support, Developing and Managing the Army's IT Enterprise License Agreements, Overseeing the Organization's Contracts, and Providing Strategic Communications Support to the CIO/G-6. The Chief Integration Officer Relays the Status of the Network to the Army, DoD, and Congress.

---

## Responsibilities

- ★ Incorporate CIO/G-6 Vision, Goals, and Objectives into Army-Level Strategic Documents
- ★ Ensure MM/SS/OO PEG MDEPs are Aligned According to CIO/G-6 Vision & Priorities
- ★ Provide Strategic Communications Support to Communicate Network Issues to the Army, DoD and Congress
- ★ Provide Guidance and Support to CIO/G-6 for Obtaining Funding via the Army Studies Program
- ★ Integrate and Synchronize Key Issues, Products and Projects Across the HQDA Staff (ARSTAF)
- ★ Manage Organizational and Provide Human Resources and Supporting Services to the CIO/G-6
- ★ Administer the Organization's Performance Management Program
- ★ Perform Lifecycle Management for Approved ESA/ELA Contracts
- ★ Provide Policy Guidance and Recommendations for Research, Integration and Employment of Innovative IT Solutions
- ★ Provide Project Management Support in Order to Improve the Army Network, Realize Efficiencies, and Enable Interoperability Across DoD
- ★ Manage Execution of the CIO/G-6 Annual Operating Budget, Army Focus Programs, and OCO Funding



# Cyber Security



## Mission

**Integrate the Efforts Across the Army Staff to Provide Policy, Oversight, and Guidance to Enable Information Dominance for the Army.**

## Vision

**Ensure a Secure Information Environment Resistant to Known and Emerging Cyber Threats.**

## Responsibilities

★ Develop, Update, & Review IA Policies

★ DAA Transition /IA Certification & Accreditation

★ FISMA Reporting

★ Cross Domain Solutions Management Office

★ IA Approved Product List

★ IA Self Assessment Tool/IG Interface

★ IA Architecture and DMZ Implementation

★ System of Systems Network Vulnerability Assessment Policy and Implementation

★ HSPD-12 (CAC/PKI)

- Policy Gaps
- AKO SSO
- FFR Pilot
- SIPRNet Token

★ AUTO Populate the GAL

★ Army Registration Authority

★ Active Directory

★ Key Management Infrastructure

★ COMSEC

★ Cryptographic Modernization

★ Provide Project Oversight on Key Initiatives for the CIO/G6 (e.g., Mobile Electronic Devices , Continuous Monitoring Capability & IT Asset Management )

★ IA Education, Training, and Professional Certification

- Individual IA Awareness Training & Certification
- Training, Certification of DA IA Workforce
- IA Awareness for Soldiers, Civilians, Families and Retirees
- Content for IA Training Courseware

★ Strategic Communications

★ IA Awareness

★ IA One-Stop –Shop Web Portal

★ NETOPS Functional Area Program Mgt

★ Capability Interoperability Mgt

- AIC Determination
- FaNS Accreditation
- ONS/JUONS Validation

★ Policy Integration & Control Mgt

- Army/Joint/Coalition Integration
- Certify ICTOs/CTOs
- Maintain Army CM of Gold Master
- Approve Army ISPs

★ Capability Integration Mgt

- Facilitate Integration of Agile Process & NIE
- Facilitate Development of AST & COE
- Facilitate Implementation of Network 2020
- Ensure Army Integration at LandWarNet/Battle Command and other Army & Joint Forums



# Stay Connected

[www.flickr.com/ArmyCIOG6](http://www.flickr.com/ArmyCIOG6)

[twitter.com/ArmyCIOG6](http://twitter.com/ArmyCIOG6)



[Army CIO/G-6 Website](http://www.flickr.com/ArmyCIOG6)



[CIOG6.Army.mil](http://CIOG6.Army.mil)



[www.facebook.com/ArmyCIOG6](http://www.facebook.com/ArmyCIOG6)

[www.youtube.com/ArmyCIOG6](http://www.youtube.com/ArmyCIOG6)