



7th Signal Command (Theater)



- **7th Signal Command Mission and C2**
- **Global Network Enterprise**
- **The Challenge in CONUS**
- **Enterprise NETOPS Tools**



7th Signal Command Vision and Mission



VISION

ONE TEAM, ONE NETWORK! 7th Signal Command (Theater) is the preeminent provider of the LandWarNet, assuring FREEDOM of MANEUVER in and through cyberspace.

Mission: Provide CONUS-based operating and generating forces assured access to the global Collaborative Information Environment (CIE) through LandWarNet capabilities to support all network-dependent battle command requirements through all operational phases. Establish unity of command to provision, operate, and defend the LandWarNet in CONUS through integrated network operations.

Cyberspace: “a global domain within the information environment consisting of the interdependent network of information technology infrastructures, including the Internet, telecommunications networks, computer systems, and embedded processors and controllers”.


**7th Signal Command (Theater)
“One Team, One Network!”**

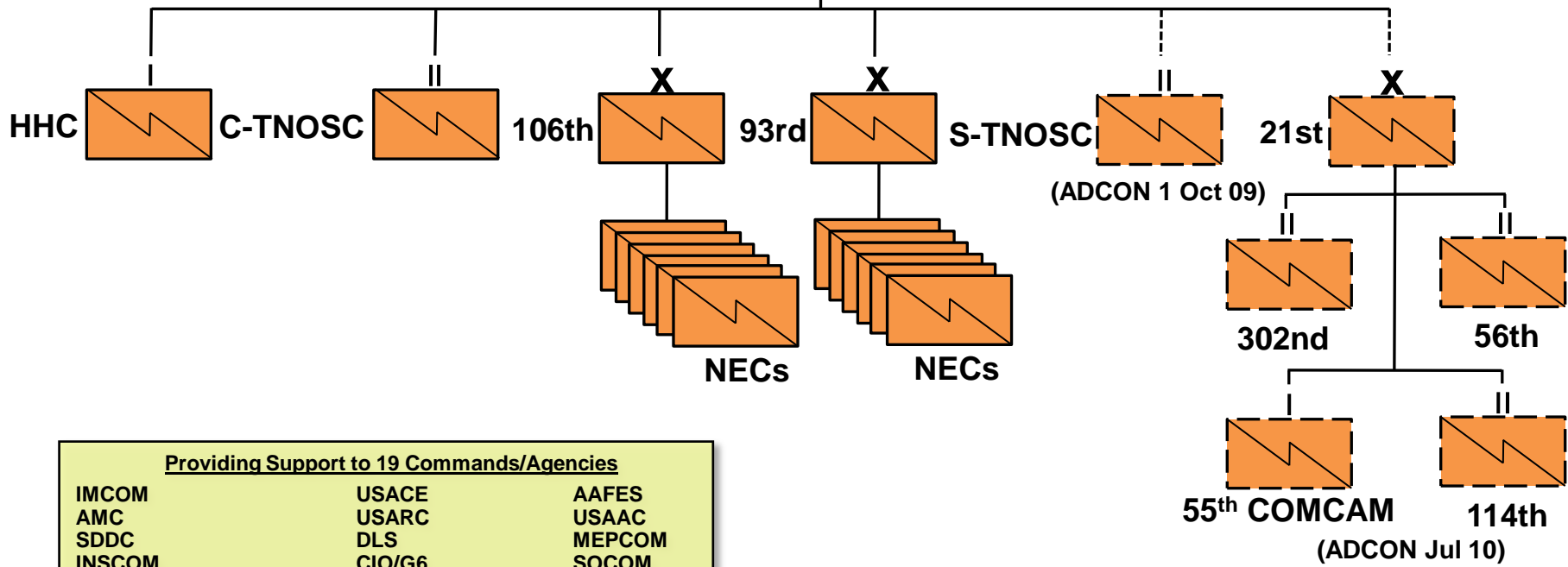


Command and Control Structure



9th Signal Cmd (Army) 

7th Signal Cmd (Theater) 



Providing Support to 19 Commands/Agencies		
IMCOM	USACE	AAFES
AMC	USARC	USAAC
SDDC	DLS	MEPCOM
INSCOM	CIO/G6	SOCOM
MEDCOM	CFSC	SMDC
NGB	HRC	DA
TRADOC		

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GNEC Principal Objectives



Operationalize LandWarNet

-Eliminate existing network capability gaps as units prepare, deploy and transition through all operational phases

Dramatically Improve Network Defense Posture

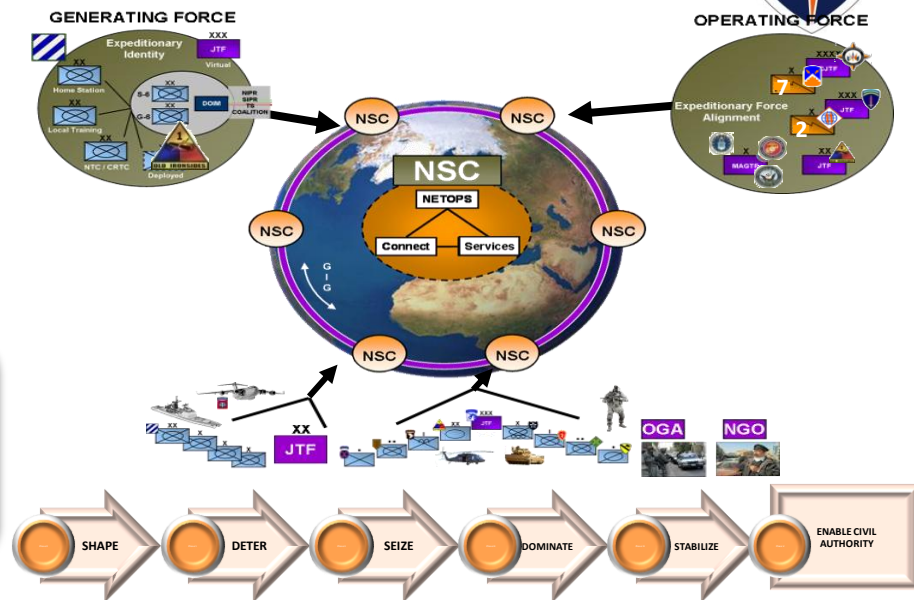
-Globally consistent network security & privacy policy, standards, procedures

Realize Economies and Efficiencies while Improving Effectiveness

-Implement enterprise standards and deliver a global, standardized, protected and economical LandWarNet

Ensure Joint Interoperability

-“Plug and Play” capabilities; enhancing the ability to share information with Joint forces and coalition partners, facilitating ubiquitous Battle Command and collaboration



LandWarNet

- Aggregated
- Consolidated
- Standardized
- Modernized



Network Asset Comparison



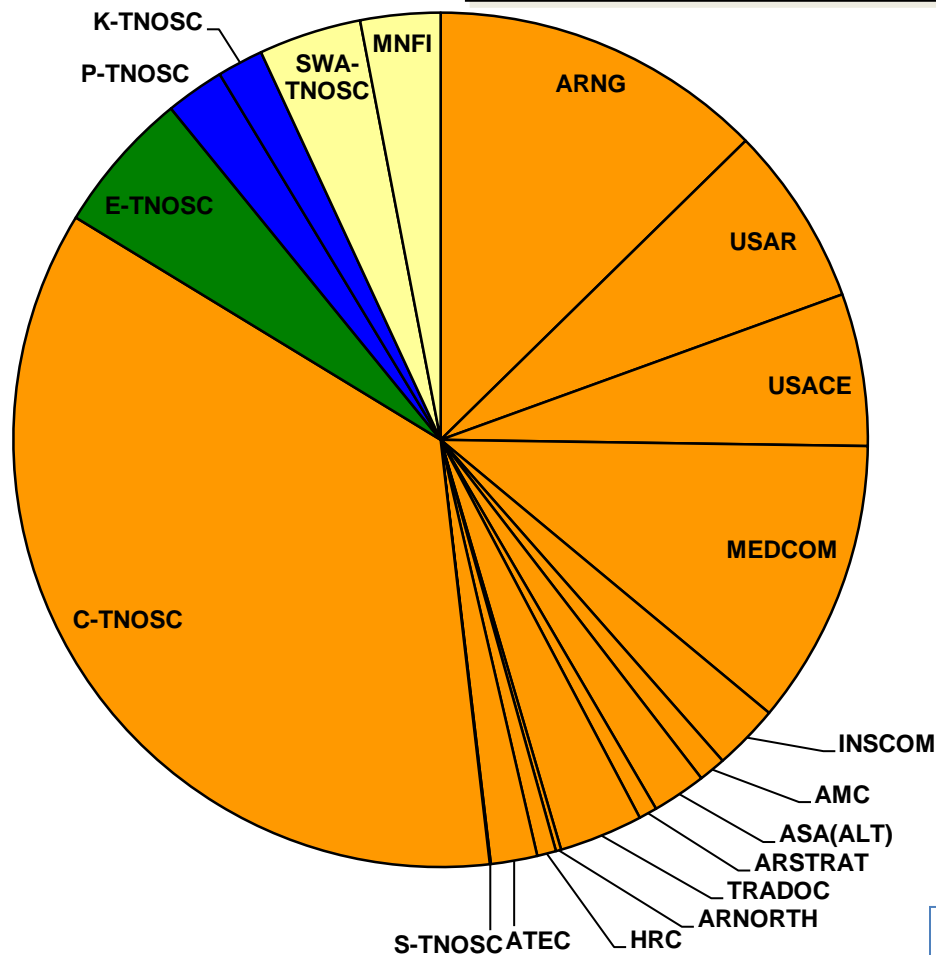
Before 9 Oct 08, there was no NetOps task organization that included all Army networks

As of 9 Oct 08, CG NETCOM approved a NetOps task organization making the four Signal Commands (Theater) responsible for all Army network assets

The six Theater NOSC's control the consolidated Theater A/D Forests encompassing slightly less than half of all Army assets

7SC(T) is responsible for 84% of the Army's assets, through 14 subordinate Network Operations (Security) Centers (NOCs or NOSC's)

The CONUS Theater NOSC controls more than double the assets of all other Theater NOSC's combined



- 7th SC(T)
- 5th SC(T)
- 311th SC(T)
- 335th SC(T)

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Based on approximate numbers of Windows Infocon systems reported



Network Enterprise Delivery Concept



Layers of Service

Global Network Enterprise



Global

- Network Management and Network Defense (i.e., O&M router and firewall management, switches, intrusion detection and prevention systems, VOIP call managers, etc).
- Monitor, apply and enforce compliance with IA/CND security policies and regulations - to desk top
- Apply and enforce configuration and change management policies - to desk top
- Contain and mitigate security incidents – to desk top
- Provide Physical and Logical Connectivity (Circuit, Network, SATCOM, Commercial Wireless Voice and Data etc)
- Provide Data Management (standardized and managed storage services, access control, content management, backup and recovery services etc)
- Enforce Network Priorities (provisioning, restoral, remediation etc)
- Provide Mission Area Specific Information Systems
- Deliver Core Enterprise Services and Help Desk
- Provide Warfighter/User Support Services
- Certify unit network readiness to connect to the LandWarNet
- Direct support to operating forces in all phases

Installation Service Provider (General & Direct Support Mission)

- Execute/enforce IA/CND policies, procedures IAW GNEC direction
- Face to the customer for Tier 1 services (OPCON to Enterprise); integrated with enterprise service help desk (enable coordination, visibility, and synchronization of network support activities)
- Execute and enforce installation level C4IM and asset management standards, policies, and procedures (ie enterprise contracts, baselines, etc.)
- Life cycle management for installation IT assets

Organization/ Units/Activities

- Compliance follow-up to enforce IA/CND policies, procedures
- Provide 1st response to incidents (IMO/ISSO)
- Execute and enforce NETWORK policies
- Program and resource expansion
- Prioritize service
- Life cycle management end user devices



Enterprise NETOPS Tools



- **HBSS *** - Protects All Windows Computing Platform Endpoints from Virus, Malware and Intrusion throughout LWN.
- **Enterprise AD** - Provides an integrated global footprint for Joint, Coalition, interagency, intergovernmental, and others that need to collaborate across organizational boundaries.
- **Remedy/ITSM** - Provides incident management and asset management based on persistent reporting from HBSS, Enterprise AD, SMS/SCCM/SCOM, REM/Retina, Spectrum, Arcsight, SercureVue and other NETOPS capabilities.
- **SMS/SCCM/SCOM** - Provides persistent asset visibility & reporting, IAVM* and AGM software deployment, Configuration Management, Monitoring, and Global response for all Windows Computing Platforms and most non-Windows Computing Platform.
- **REM/Retina*** - Provides vulnerability scanning and compliance reporting for all IT endpoints throughout LWN.
- **Spectrum** - Provides Persistent Network Device IP Management, Asset Visibility & Reporting, Remediation, Configuration Management of all network devices, such as routers, switches, firewalls.
- **Arcsight** - Provides Security Event Correlation and Alerts for incidents reported from IA devices..
- **SercureVue** - Provides Situational Awareness and Risk Management of all network devices, applications and computing platforms throughout LWN. Provides near-real time notification capability and reporting for cyber threats.

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***Joint Initiative**



Discussion

