



APCO
International

Leaders in Public Safety Communications™

Emerging Technology Forum

THE CYBER RISK TO NG9-1-1 & PSBN

CYBERSECURITY PANEL

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Cyber Threat to Secure Public Safety Communications

Protection of “National Critical Infrastructure” (NCI)

1. Battelle - #CyberDoc (No Borders – No Boundaries)
 - a. Expansion of the Cyber Threat against non-traditional targets
 - b. Sophistication of Threats are expanding to non-DOD missions
2. Understanding the Threat: Read the News Everyday –
 - a. Defense News, Homeland Security Journal, etc.
 - b. WSJ, USA Today, New York Times, Washington Post, etc.
3. Understanding the impact on PSBN & NG9-1-1 Architectures & Implementations

Expanded Scope of the Threat

The Washington Post

January 13, 2013

Banks seek NSA help amid attacks on their computer systems



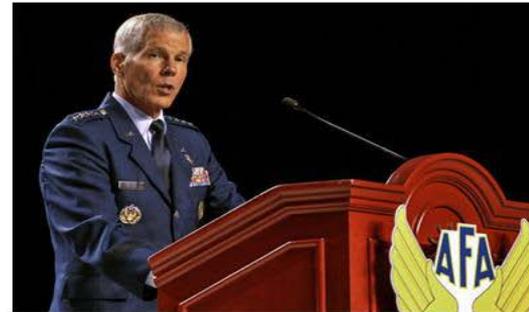
January 2013 – News Briefs

Defense News : January 18, 2013:



In Syria, the Cyberwar Intensifies

CNET News : January 18, 2013:



U.S General warns of Iran's growing cyber strength

Nextgov : January 18, 2013:



DHS Warns of Password-Cracker Targeting Industrial Networks

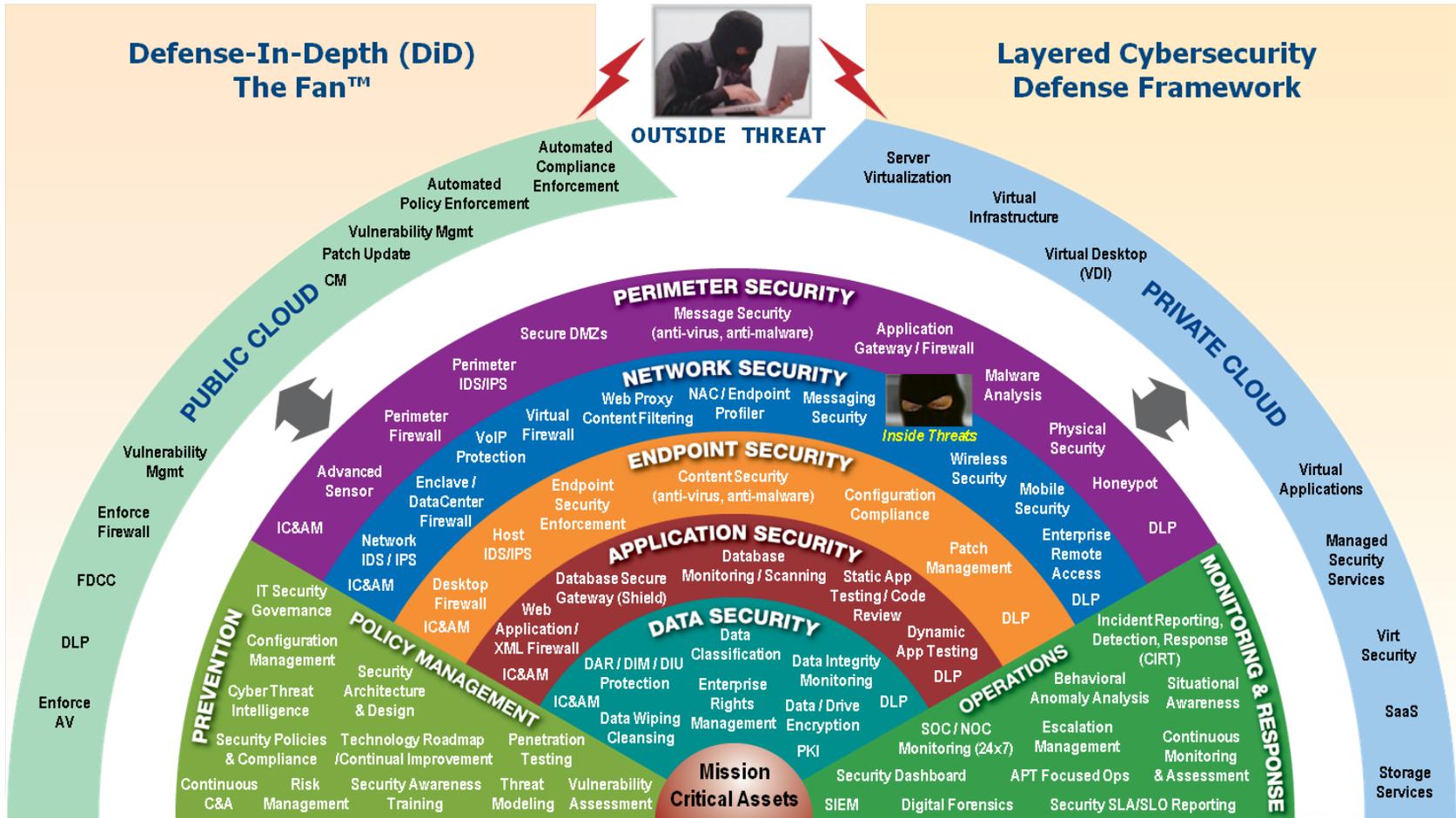
Emergency Management : January 17, 2013:



LTE Test Provides Insight into Nationwide Public Safety Network

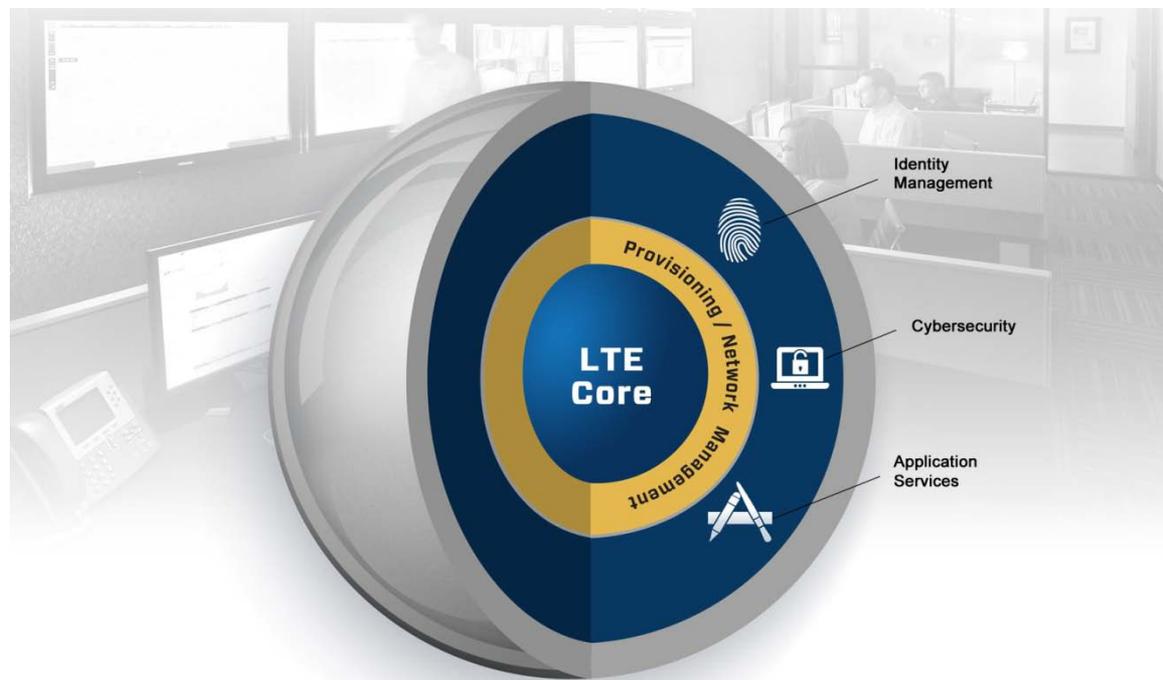


The NGC fan™



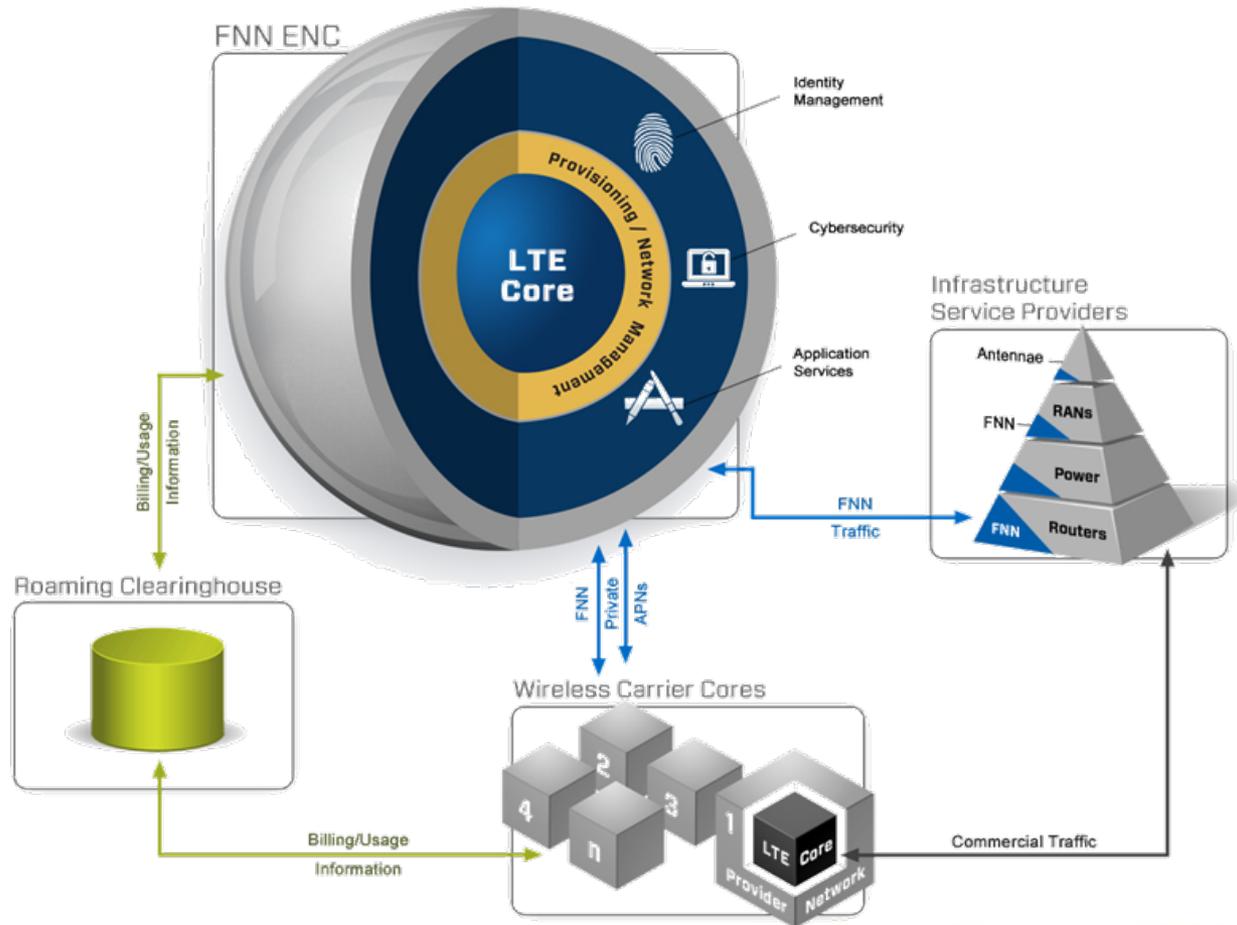
Key Elements of an Enterprise Core Network

- Identity Management
- Cybersecurity Protection
- Application Services Framework



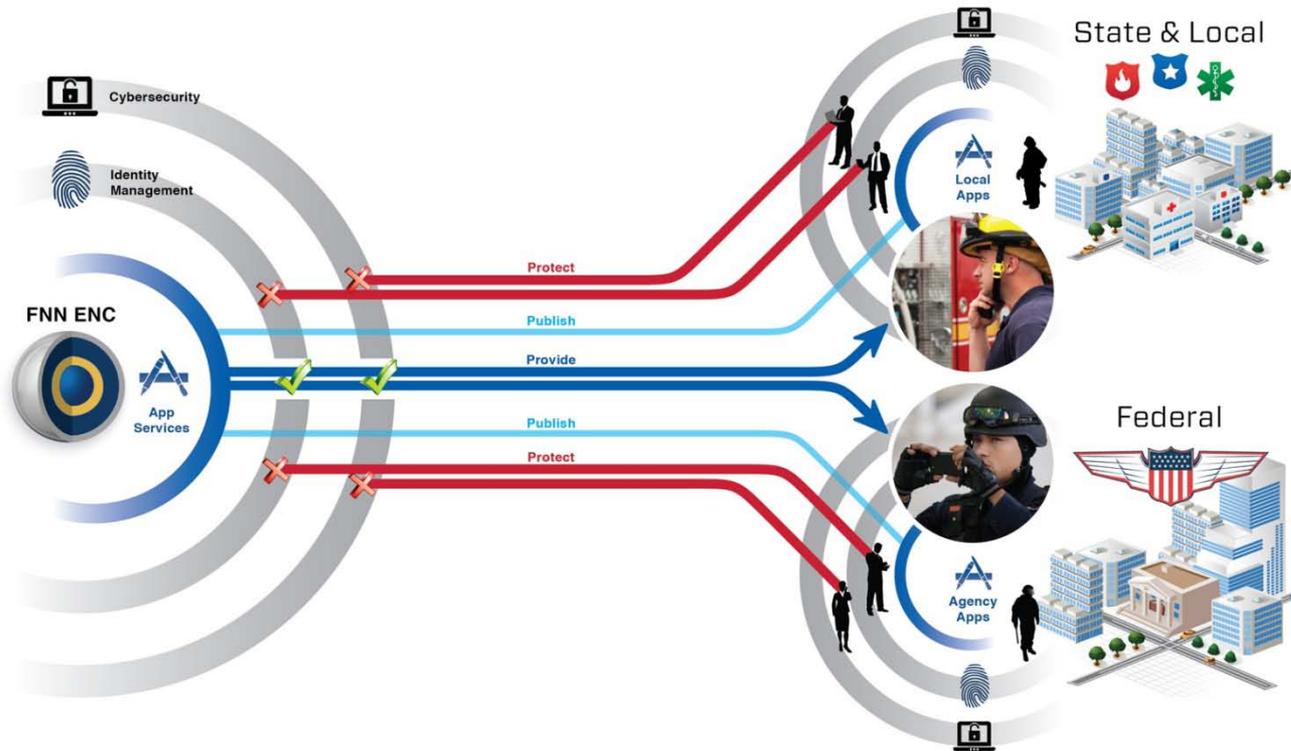
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PSBN Enterprise Core Network (ENC)



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Nationwide Network: Local Content: Local Control



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Identity (a⁵)

- Authorization
- Attribution
- Access
- Accounting
- Application

Q & A



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