Network Guard

Rogue Cellular Base Station Detection



The CACI SystemWare Network Guard offers a robust capability to detect and combat cellular network monitoring and interception.

Network Guard's real-time data correlation and analytics engine rapidly identifies and alerts on cellular radio frequency attacks on GSM, WCDMA, CDMA-2000 and LTE networks. Network Guard is able to detect attacks from simple DIY-built IMSI Catchers to the most sophisticated nation-state developed interception systems.



For more information, or to purchase contact:

CACI | SystemWare Sales (410) 579-1300 swi-sales@sysware.com

CACI | SystemWare is a CACI Company

For more information about our expertise and technology, visit: www.caci.com



Who Needs Network Guard

Vulnerable targets include:

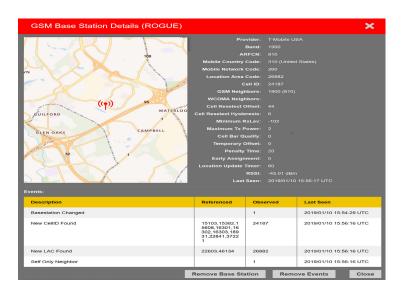
- Government facilities, embassies, and military bases
- Corporate enterprises, financial institutions and law firms
- Sensitive field and law enforcement operations
- Critical infrastructure

What Network Guard Detects

- All types of cellular network surveillance (active, semi-active and infrastructure) and hacking where bad actors can manipulate numerous variables to exploit mobile communications
- How cellular network surveillance equipment attempts to exploit the official mobile networks

Integration

 Integrated with CACI | SystemWare's Resource Manager 2 software, which offers direct monitoring, configuration, and tasking as a single endpoint solution or part of a larger multisensor deployment



How Does it Work?

Network Guard continually surveys all available networks, and performs realtime analysis on the collected data. Anomalous network behavior is detected by in-depth inspection of broadcast information from base stations. This level of inspection allows the system to immediately alert when active cellular systems are in-use. The collected data is also stored for further post-mission analytics. Post-mission analysis is rapid, detailed and can be combined with surveys from previous missions to highlight changes in the mobile networks over time.

The network survey process utilized by Network Guard is designed to detect many different exploitation techniques and signatures used by the various types of devices used for cellular network surveillance.

World-class Technology

- Simultaneous scanning of multiple radio access technologies
- Real-time analysis and alerting engine
- Integrated GPS for accurate positional info
- Passive cellular downlink scanning and decoding
- Web-based command and control
- Command and control over Ethernet and Wi-FI

- Remote out-of-band communication over cellular modem
- Integrated vector mapping
- Multiple export data formats
- System can be operated in an autonomous mode
- Extensible platform to support future mission requirements

This material consists of CACI International Inc general capabilities information that does not contain controlled technical data as defined within the International Traffic in Arms (ITAR) Part 120.10 or Export Administration Regulations (EAR) Part 734.7-10. (PR ID317)



EXPERTISE AND TECHNOLOGY FOR NATIONAL SECURITY

CACI's approximately 22,000 talented employees are vigilant in providing the unique expertise and distinctive technology that address our customers' greatest enterprise and mission challenges. Our culture of good character, innovation, and excellence drives our success and earns us recognition as a Fortune World's Most Admired Company. As a member of the Fortune 500 Largest Companies, the Russell 1000 Index, and the S&P MidCap 400 Index, we consistently deliver strong shareholder value. Visit us at www.caci.com.

Worldwide Headquarters

12021 Sunset Hills Road, Reston, VA 20190 703-841-7800

www.caci.com

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