

LiveRAN™

High-fidelity, affordable, and flexible modeling and simulation for 4G/5G mobile networks



CACI's Live Radio Access Network (LiveRAN) - powered by SCALABLE Network Technologies is a wireless network modeling and simulation solution. It is ideal for testing mobile and network-enabled IoT devices, handsets, supervisory control and data acquisition/ICS modems, and iOS and Android™ operating systems and applications that require a high level of fidelity. Testing scenarios include terrain-specific network performance analysis, cyber testbeds, and network planning, upgrades, testing, and evaluation.

With its ability to make certain mobile network elements live and simulate others, LiveRAN provides a unique environment for testing, training, and the creation of exercise scenarios for mobile networks used by commercial and government/defense organizations in the following situations:

- Analyzing resiliency of critical communications in sub-optimal conditions (commercial networks, cyber warfare, kinetic/non-kinetic situations)
- Testing and exercise development for facility and force protection missions such as:
 - Protection of facilities, embassies, and their critical communications
 - Protection of ships while docked
- Coordinating and interfacing with air-enabled cyber operations
- Training for network managers, users, warfighters, and cybersecurity specialists

For more information contact:

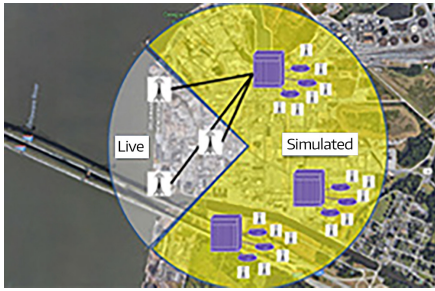
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For more information about our solutions, products, and services, visit: www.caci.com

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LiveRAN allows users to develop, test, train, and exercise force-protection missions and warfighter scenarios, and analyze communications to understand the mission impact of selected scenarios.

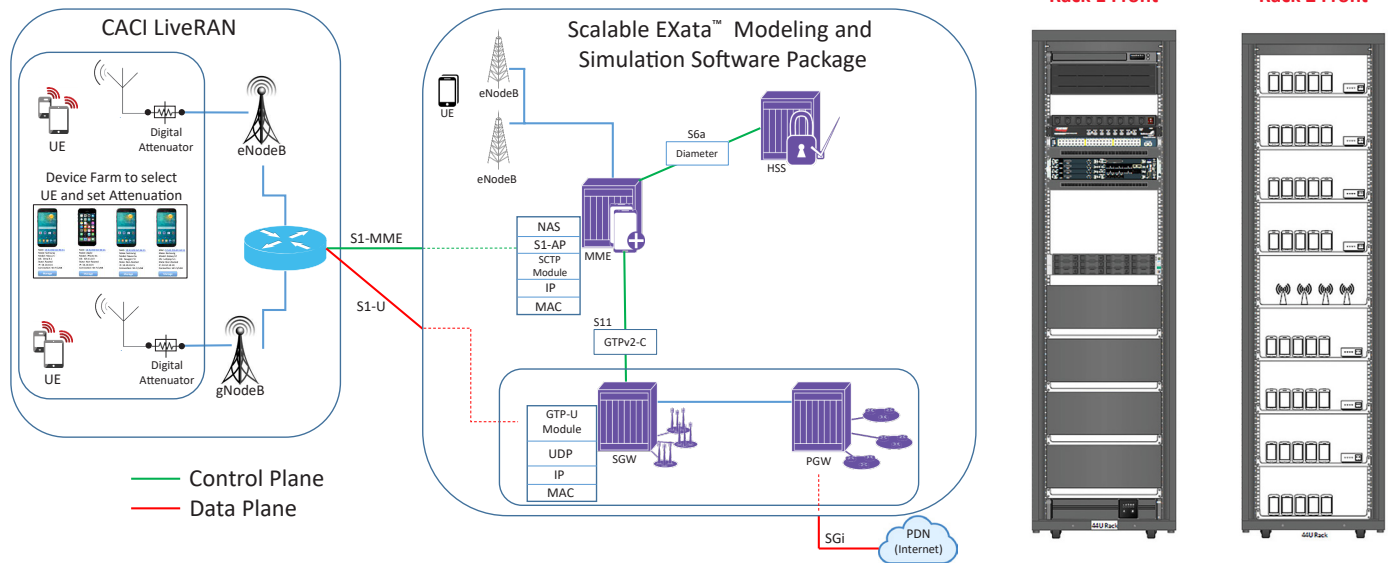
The CACI LiveRAN solution includes the following:

- Consolidated smartphone graphic user interface to control multiple devices from a single touchscreen workstation
- Standard 3GPP eNodeBs and gNodeBs to provide real-world cellular access including hand-off control and functionality
- Integration with commercial Evolved Packet Core (EPC) emulation packages via software modules to simulate the MME, SGW/PGW, and HSS network elements and provide access to the Internet

Support services include:

- Customized hardware configurations and eNodeB/gNodeB selection
- EPC hardware substitution of simulated EPC components for seamless live-to-simulated interaction (LiveEPC-NE)
- Software maintenance

Technical Specifications:



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CACI's approximately 23,000 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* 1000 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.

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