BOOZ ALLEN'S 5G LAB

HELPING CLIENTS BUILD RELIABLE CYBER-RESILIENT SOLUTIONS

Booz Allen is here to help clients navigate the complexity of the 5G landscape, formulating customized and comprehensive 5G strategies that fit your mission. Our carrier-grade 5G Lab provides the critical, hyper-accelerated connectivity required to transform and evolve cyber-security defense systems. Power your 5G mission through our sandbox testing environment, industry-leading telecom experts, and mature security approach.

OUR APPROACH

Booz Allen's 5G Lab focuses on a holistic 5G security approach that supports various enterprise missions and clients. Our offerings include the following:

RISK MANAGEMENT
Develop threat-centric approaches to managing 5G risks reduction and attack surfaces

VULNERABILITY ASSESSMENT
Assess ecosystems for vulnerabilities that may negatively impact mobile networks, edge computing, and 5G devices and applications

ARCHITECTURE & ENGINEERING
Create comprehensive "Secure by Design" solutions to include network architectures and radio frequency/spectrum engineering for 5G rollouts

MOBILE EDGE & COMPUTE
Engineer and design mobile artificial intelligence (AI)/machine learning (ML) at the edge for 5G implementations

IOT AND EMERGING 5G APPLICATIONS
Research, design, and prototype IoT solutions and new and cutting-edge applications (e.g., killer apps)

5G LAB PARTNERS WILL BE ABLE TO PERFORM

- 5G RAN modeling
- Multi-access edge computing (MEC) application hosting and latency analysis
- 5G threat development and validation
- Impact of zero-trust networking
- Mobile endpoint testing
- Artificial intelligence and machine learning implementation assessment in 5G core
- Use case (e.g., AR/VR, smart warehouses) evaluation
- Capability/product development, testing, and validation
- ...And much more.

WHAT SETS US APART

Booz Allen not only has a leading edge 5G Stand Alone (SA) carrier grade network but also has the people and expertise to solve the most critical 5G security design challenges:

5G SA solution with MEC, multiple network slices, and a RAN with mmWave, cmWave and CBRS bands: the geographically separated MEC uses local break-out to easily support applications (e.g., AR/VR) running on edge node servers. Network slices provides from RAN to core dedicated resources for differentiated 5G use cases. The diversity of bands enables testing of various devices mission needs.

Multi-disciplinary and leading-edge experts: our 5G team is comprised of industry-leading telecom experts. Our cybersecurity specialists have decades of experience defending DoD, International, and commercial client's most sensitive networks.

Experience driven; mission tested: we leverage decades of telecom security experience with our world-class cloud expertise to deliver vendor agnostic solutions.

USING THE LAB

Our lab is designed to support various mission clients and partners. We can quickly integrate new products or solutions into the lab to meet enterprise needs. Because of the carrier-grade implementation, we can also support numerous projects simultaneously. Clients can engage and use the lab through new contracts or through our Lab-as-a-Service structure.

About Booz Allen

For more than 100 years, business, government, and military leaders have turned to Booz Allen Hamilton to solve their most complex problems. Together, we can build high performance, secure, and resilient 5G environments that meet your organization's mission. To learn more, visit BoozAllen.com/5G.

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