Spirent BHCM Solution

Busy Hour Call Model Solution

Spirent's Busy Hour Call Model (BHCM) Solution accelerates service providers' time to market by offering a complete network 'replica' in the lab. Consisting of a fully controllable 'Any-G' test bed (installed and setup by Spirent), and a customized call model development, this solution delivers a testing environment that includes users, services and devices behavior as seen in the carrier's real live network. The BHCM solution answers the rapidly-evolving needs of service providers facing constantly rising complexity in technology in an intensely-competitive market.

Competition races new services, devices and commercial network launches to market—at an ever-accelerating pace. Meanwhile, CAPEX budget reductions in research and development have a direct and seismic impact to duration test plans and the realism of test labs, leaving no room for error. The rising risk of outages stem from a host of causes:

- An inability to properly diagnose a current network's state
- Difficulty predicting a network's growth, as well as the network's ability to handle new devices and services
- Improper dimensioning
- Vendor devices not performing as represented in collateral
- Lack of realism in test labs

Service providers in turn strive to reduce risk by implementing cost effecting testing. The requirement for their test strategies must account for and their tools accommodate:
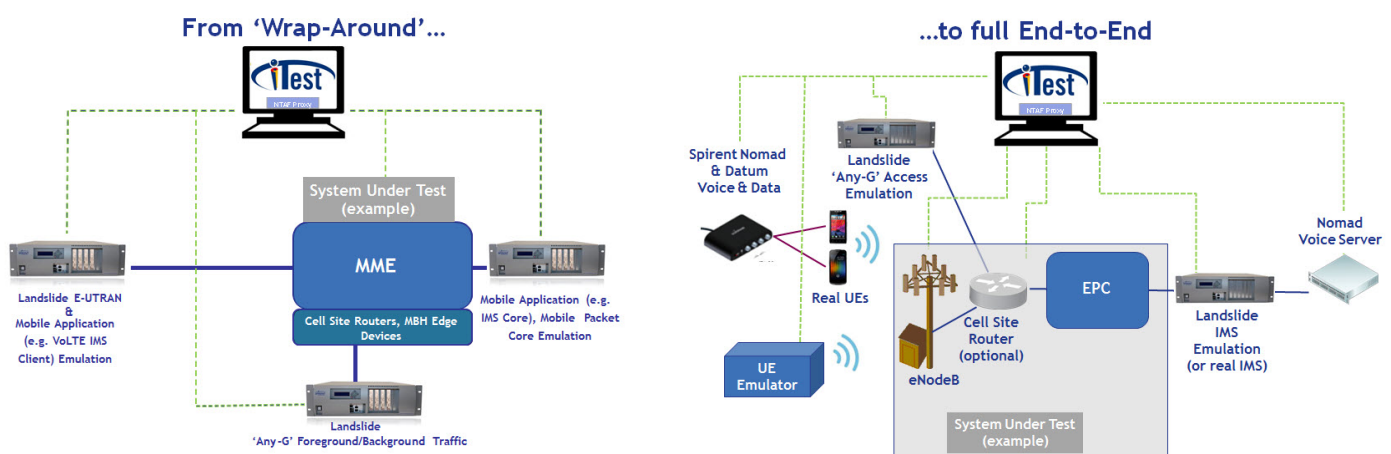
- The subscriber's behavior is not deterministic
- The type of mobile device determines behavior
- Operators' service influence network messaging
- Test plans are short
- Tests are easy to execute
- Automation which increases time to market

Spirent BHCM Solution tackles these issues and more to provide the answers you need.

The Spirent BHCM Solution

Developed, setup and installed by our team of mobility technology experts, the BHCM Solution incorporates the award-winning Spirent Landslide platform, Spirent iTest and other Spirent test tools. The result is a fully controllable and automated BHCM test bed in which a complex call model is built around technology-based sub-call models that can be run independently or simultaneously with specific customized procedures. These are created exactly to the customer's needs and testing objectives, and delivered in a timely, effective manner by seasoned experts.

Fully Compatible Test Bed

From 'Wrap-Around'…

...to full End-to-End

The Spirent BHCM Solution Delivers

- Holistic modeling vision, at scale, for:
  - ▶ Layer 4-7 user application models
  - ▶ Smartphone emulation of device data models
  - ▶ Mobility Layer (Any-G and service oriented) service provider call models
- Topology emulation to cost-effectively complete network
- Reduced test plan duration with test session implementation by experts
- Individual and/or combined 'Any-G' test beds and call modeling for easy issue detection
- Support for future enhancements

Benefits and Advantages

- Verified vendor performance, capacity and interoperability
- Validation of vendor's SLA, ensuring confidence in device purchase
- Realism in test bed by replicating real device, subscriber and service behavior
- Turnkey solution imitating carrier's network daily usage
- Ability to predict network handling of growth, new devices and services
- Qualified solution architects, project management, field engineers, and test and automation experts—no need for dedicated test resources

Spirent Services Expertise

Spirent provides services expertise for all major communications vendors. Our test methodology and automation experts include IETF engineers and RFC authors who have developed many of the industry's acclaimed benchmarks. They help define standards and performance tests for dozens of industry forums and standards bodies. Such industry expertise optimizes your solution capabilities and ensures you deliver your product or service to market on time.

Our Customers

Spirent has been a pioneer since the advent of network testing and has provided services to customers across a broad range of global industries. These varied business sectors include: Telecommunications and wireless service providers, network equipment manufacturers, petroleum, education, the media, financial institutions and stock exchanges, technology enterprises and publishing giants. Spirent also serves government organizations which includes military and space agency projects.

A recognized leader

2012 Broadband Technology Report
Diamond Technology Review

Next Generation Mobility Magazine
2012 NGN Leadership Award

2010 Global Mobile Award Finalist
Best Mobile Technology Breakthrough

Ordering Information

Please contact your regional Spirent sales representative for detailed ordering information.