

Spirent BHCM Solution

Busy Hour Call Model Testing Solution

As Service Providers race to be 'first to market' in the new mobile era they face a dangerous increase in outage risk and miscalculated performance due to a poor implementation of realistic and cost effective testing. 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 set up by Spirent) and a customized call model solution. This modeling provides a testing environment that includes users, services and devices behavior as seen in the carrier's real live network.

Applications and Analysis

- Verify vendor performance, capacity and interoperability under real world conditions
- Validation of vendor's SLA, ensuring confidence in device purchase
- Realism in test bed by replicating real device, subscriber and service behavior and their impact in the existing call model
- Turnkey solution imitating carrier's network daily usage for bottleneck identification and troubleshooting
- Ability to predict network's 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

Competition drives new services and device launches, as well as commercial network launches, to market at an ever accelerated 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 stems 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

User application models
L4-L7 apps

Device data models
Smartphone emulation

Service provider call models
Mobility Layer (any-G and service oriented)

Landslide

BHCM Vision

Service providers in turn strive to reduce risk by implementing cost effecting testing. The requirements 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 increases time-to-market

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

Develop, 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.



About Spirent Communications

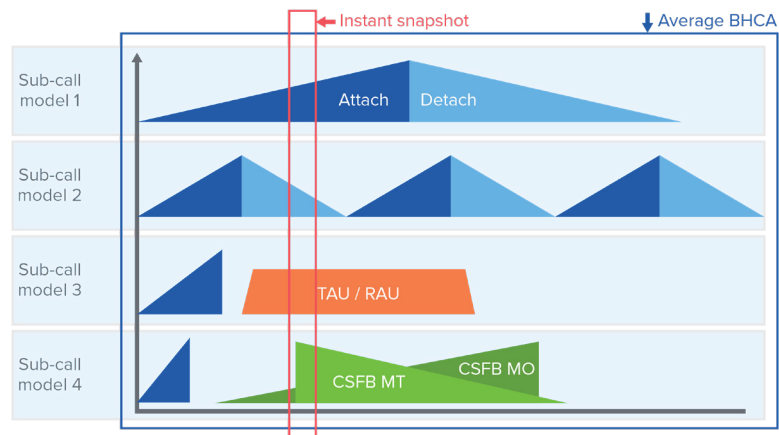
Spirent Communications (LSE: SPT) is a global leader with deep expertise and decades of experience in testing, assurance, analytics and security, serving developers, service providers, and enterprise networks.

We help bring clarity to increasingly complex technological and business challenges.

Spirent’s customers have made a promise to their customers to deliver superior performance. Spirent assures that those promises are fulfilled.

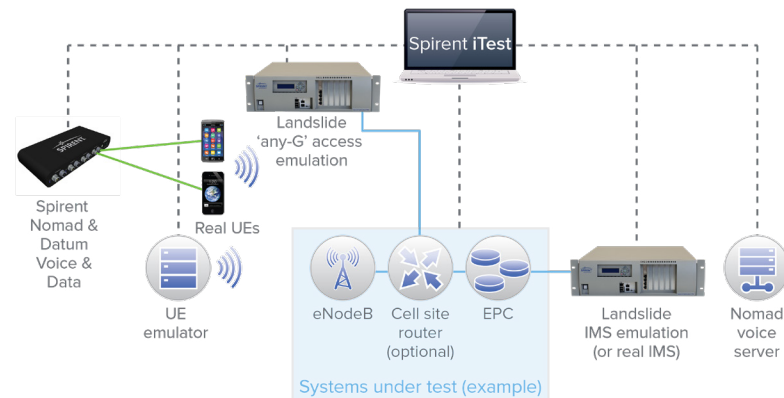
For more information, visit: www.spirent.com

‘Sequencer’ sync up strategy



Fully controllable end-to-end test bed

Features



- 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 Spirent experts
- Individual and/or combined ‘Any-G’ test beds and call modeling for easy issue detection
- Support for future enhancements

Contact Us

For more information, call your Spirent sales representative or visit us on the Web at www.spirent.com/ContactSpirent.

www.spirent.com

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