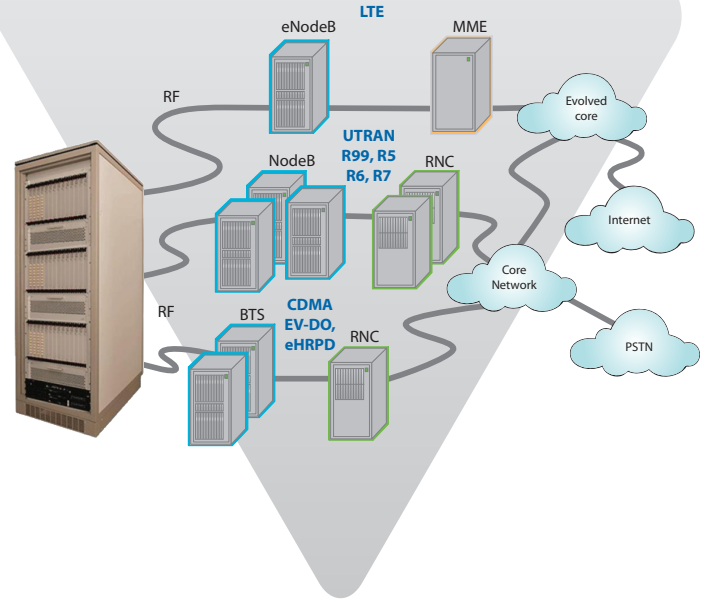# VIAVI

CapacityAdvisor™ Test Solutions for Operators

Measuring user experience with real-world traffic generation

Research shows that an operator's network quality issues—challenges with coverage, capacity, and performance—are directly load related. And, as data growth increases exponentially, global signaling is growing even faster: by 30 – 50%.

The CapacityAdvisor product family provides advanced load and call-model generation for 3G and 4G networks, giving operators an unmatched ability to test equipment and services under realistic traffic models prior to launch. With the CapacityAdvisor, operators can optimize network performance and ensure the best possible end-user experience. Key applications include:

- Risk Management — Provide an insurance policy against issues in the field
- Vendor Product Evaluation — Determine what happens under load before your customer does
- Multi-Vendor Interop — Define repeatable tests to determine overload conditions across the whole network
- Technology Evaluation — Reliably test new equipment and software releases before going live
- Benchmark — Benchmark all systems with repeatable performance tests
- Network Service Trials — Lower costs and maximize the use of network equipment by identifying overload points
- Problem Resolution — Reliably recreate network conditions for faster problem resolution

The CapacityAdvisor solution helps bring new products and services to market faster with better quality, reduced costs, and less risk.

Key Benefits

- Validates hardware and software upgrades
- Recreates live network conditions on demand for faster troubleshooting
- Accelerates network life-cycle testing
- Speeds time to revenue
- Reduces test cycle time
- Yields repeatable, deterministic test behavior
- Discovers defects prior to deployment
- Improves end-user quality of experience
- Verifies NEM claims/promises

Key Features

- Tests LTE, UMTS/HSPA, and EV-DO with one platform
- Measures RF-sector performance with an end-to-end context
- Validates constantly changing call-profile impact on the network
- Tests RAN-optimization features from NEMs
- Quickly validates NEM releases before going live
- Provides feature testing in context of load

viavisolutions.com