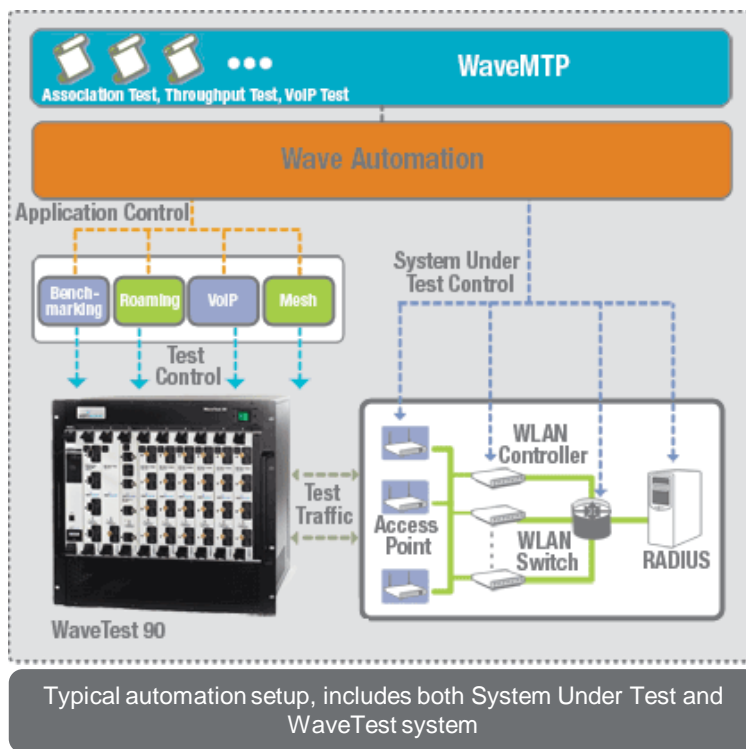


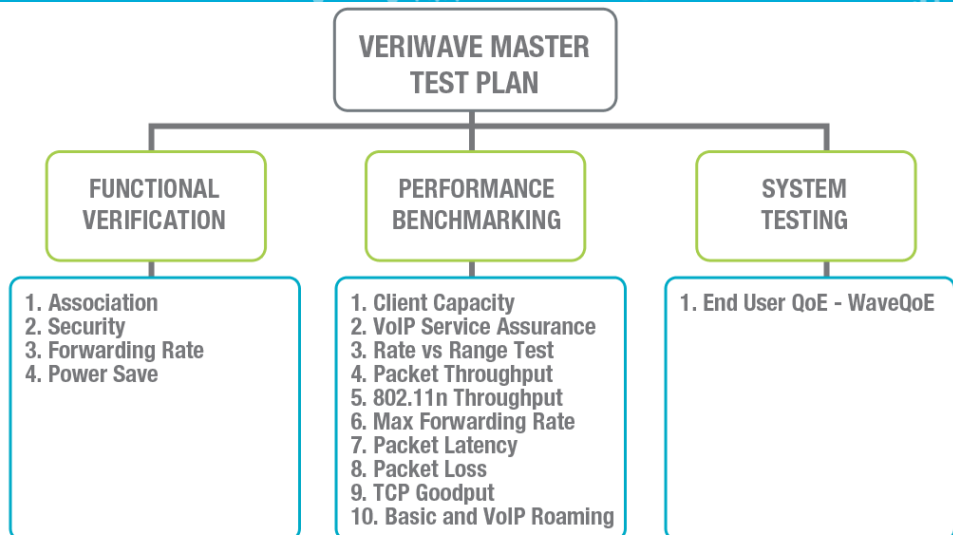
WaveMTP™

WaveMTP - is a comprehensive automation package that automates tests contained in the VeriWave Master Test Plan. WaveMTP speeds product and/or services time to market through management and automation of all tasks associated with testing wireline or wireless networks using the VeriWave WaveTest System.



Benefits

- Jump start QA process by utilizing a ready-to-use out of the box comprehensive test plan - the "VeriWave Master Test Plan"
- Improve Test coverage by running hundreds of tests in an easy and efficient way
- Execute the Master Test Plan (MTP) as separate test cases, individual groups or as an entire set of tests encompassing hundreds of test cases
- Speed-up time to market by uncovering issues early in test cycle, shortening testing time and sharing standard test reports across multiple functional groups
- Complete sets of test configurations provide automatic results and pass/fail conditions for each test conducted.



Methodology

WaveMTP enables users to configure and execute an entire test plan as a standalone system. The test setup and execution is structured to match the VeriWave Master Test Plan through pre-defined configuration files and covers most of the tests in the plan. The software requires appropriate VeriWave test suites and applications as well as WaveAutomation to be installed on the same system for successful operation and results. Test plan customization allows the user to:

- Manage and configure the test system with appropriate test parameters such as client configuration, security, channel, traffic type, packet size and rate etc.
- Setup and configure the Device(s) Under Test such as APs, Controllers, Switches, Routers, Radius Servers, etc.
- Select and run the entire test plan, specific test areas or individual test cases
- Collect and analyze results generated in real-time after each test case is run and stored in time-stamped directories
- Obtain detailed test logs recording all events and errors encountered during the execution of the test plan

Configuration & Control

WaveMTP uses a hierarchical configuration scheme. The Test environment configuration which defines all global parameters resides at the top of this hierarchy followed by the DUT configuration, client configuration and finally the specific test case parameters.

TEST ENVIRONMENT CONFIGURATION

Defines the User's test environment and includes parameters such as:

- Chassis address
- License keys
- Trial durations

CUSTOM CONFIGURATION

- The software provides the capability for the user to add new tests or modify existing tests in the MTP framework.
- Pass/fail criteria allows the user to set their own acceptance criteria for all test types.

CLIENT CONFIGURATION

Defines the configuration of VeriWave clients and includes parameters such as:

- SSID, BSSID etc.
- Security, MAC address, keep alive packets, probes
- IP address, DHCP, ARP

DUT CONFIGURATION

Defines the configuration the user's Device Under Test:

- Controller address
- Type of device ports (802.11 a/b/g/n, Ethernet)
- IP address
- Radius parameters
- Login
- WLAN parameters
- LAN parameters

Minimum Requirements

VeriWave Test Suites & Applications	WaveApps, WaveQoE
VeriWave Software Framework	WaveAutomation
Operating System	Linux (2.6 Kernel) or (SP2)
Packages	<ul style="list-style-type: none"> • Tcl 8.4, tclx-8.4, expect, • Python-2.4.2