

ITU-T Y.1564 Support

New Features for activating multiple Ethernet Services

MT9090A + MU909060A1/2/3

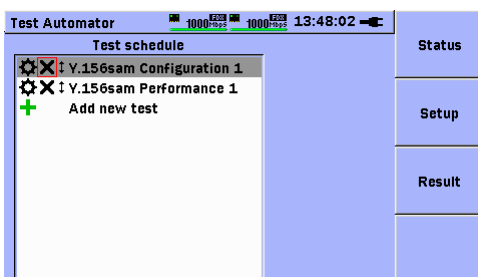
NetworkMaster GigE

Anritsu the market leader

Anritsu maintains its market leaderships in many ways which includes involvement on standardization committees which are shaping the way networks are being tested to ensure network quality is maintained.

Anritsu has been actively involved in defining this new ITU-T Y.1564 standard as we believe it will become a requirement for testing future Ethernet networks.

We have also implemented this new standard on our Network Master GigE product.



Press START button to complete all your testing requirements with **TestAutomator**



800g (2 lbs.) Pocket Size Field Tester

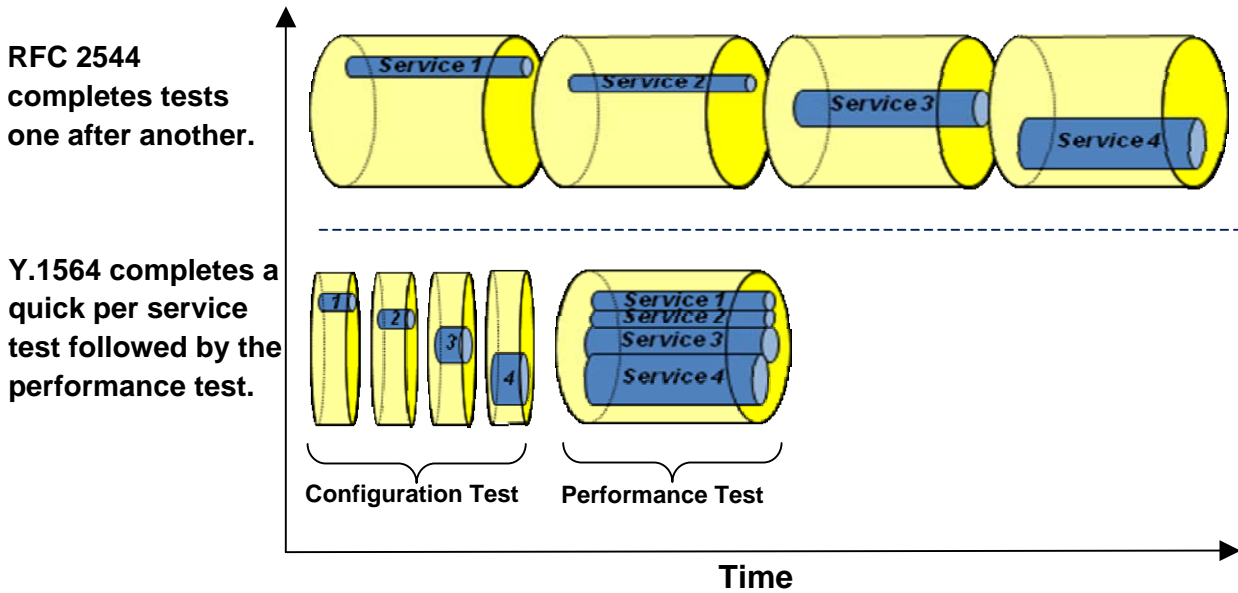
What is ITU-T Y.1564?

ITU-T Y.1564 is a new methodology to test multiple Ethernet services simultaneously in a network. Currently RFC 2544 is the most commonly used testing standard for Ethernet network activation. Originally designed for checking performance characteristics of a network device (for which it is ideally suited), RFC 2544 runs with only one service at a time so it tests in a serial manner for activating multiple services and never runs all services at the same time.

The ITU-T Y.1564 completes the testing in two phases:

- Service Configuration Test is used to confirm each individual service is configured correctly throughout the network at the Committed Information Rate (CIR) and others rates as required.
 - o *This phase of the test is completed very quickly.*
- Service Performance Test transmits one or many Service Configuration Tests simultaneously at the CIR confirming all traffic is able to transverse the network under the full service load.
 - o *This phase of the test timing is completed as per the ITU-T M.2110 standard or user settings.*

With this two phase testing methodology the total testing time can be reduced as all CIR's are being tested over a longer duration simultaneously, the timing is also reduce by completing the Information Rate (IR), Frame Delay Variation (FDV), Frame Loss Ratio (FLR) and Availability (AVAIL) simultaneously.



Not to scale - Y.1564 spaced for graphical representation

Standard Comparison

Item	ITU-T Y.1564	RFC 2544
Designed for	Service activation	Devices performance
Concurrent services	Multiple services simultaneously	One service at a time
Simulates	A realistic network	One service in a network
Testing time	Short due to simultaneous test / service	Long due to serial nature of test
Test result	Directly related to the SLA	Link performance limit

Ordering Information (Deliverable at the product release)

Product Number	Description
MU909060A1-007	Y.1564 test option for MU909060A1
MU909060A2-007	Y.1564 test option for MU909060A2
MU909060A3-007	Y.1564 test option for MU909060A3
Firmware version 3.00	Y.1564 supported firmware, Free download from Anritsu Web site.

MT9090A + MU909060A1/2/3 Network Master GigE

MT9090A + MU909060A Network Master GigE is an all-in-one network tool for 10/100/1000 Mb Ethernet Testing. It covers areas from electrical/optical physical check to SLA test and performance analysis. TestAutomator, Chanel Stats and integrated Reflector Mode are unique strengths of the product required by testing engineers of today's Ethernet networks.

MT9090A Network Master Series

Weighting only 800 g (2 lbs.), Anritsu's pocket-size MT9090A Network Master series makes child's play of daily network installation and maintenance. Its innovative GUI is designed around the 4.3-inch high resolution display for easy viewing both indoors and in direct sunlight.



DCFL
Optical Drop Cable Fault Locator



OCA
CWDM Optical Channel Analyzer



GigE
10/100/1000 Mb Ethernet tester



μOTDR
Micro OTDR tester