



Koinonia Academy



RFC6349 AND Y.1564 – TESTING STANDARDS EXPLAINED

Course Overview:

The RFC6349 and Y.1564 – Testing Standards Explained course designed to provide network technicians and engineers with in-depth knowledge of the new testing standards Y.1564 (ITU-T) and RFC 6349 (IETF). These standards play a vital role in examining, qualifying, and documenting the transfer characteristics of modern Ethernet/IP transmission paths and services, offering a more realistic view of network performance. The course not only explains the standards but also demonstrates practical implementation using VIAVI's "SAM Complete" (Y.1564) and "True Speed" (RFC 6349) on VIAVI's MTS platform. Additionally, the course covers layer 4 (TCP and UDP) protocols, essential technical terms, and Quality of Service (QoS) methods such as shaping and policing.

Course Objectives:

Upon completion of the course, participants will be able to understand:

- Utilize L4 test applications on the VIAVI MTS-platform
- Define, set up, and execute tests using VIAVI testers
- Understand and evaluate test results based on RFC6349 and Y.1564 standards
- Familiarize oneself with the principles and practical implementation of "SAM Complete" (Y.1564) and "True Speed" (RFC 6349)
- Refresh understanding of layer 4 (TCP and UDP) protocols
- Gain knowledge of technical terms and QoS methods (shaping and policing)

Target Audience: This course is designed for

- Network Engineers who want to gain familiarity with L4 testing
- VIAVI tester users who need to utilize the L4 capabilities of VIAVI testers.
- Network architects, planners, consultants, administrators, and individuals involved in network testing and optimization.