

January 12, 2009

Mr. Frank Troy
Contractor, Joint Interoperability Test Command
ManTech Telecommunications & Information Systems

Dear Mr. Troy:

Fluke Networks is submitting the OptiView Series III product based on OptiView Version 5.3 build 786 operating system for JITC IPv6 certification.

This Letter of Compliance asserts that to the best of our knowledge the Fluke Networks OptiView Series III product and OptiView operating system meets the standards associated with the profile of a "Network Appliance" as defined in the DoD IPv6 Standard Profiles For IPv6 Capable Products, Version 2.0 (1 August 2007). The Fluke Networks OptiView Series III product is believed to be compliant with all required RFCs for this classification as defined in Appendix F of the Department of Defense Internet Protocol Version 6 Generic Test Plan, Version 3.

Our product has undergone independent 3rd party conformance testing conducted by Command Information and has earned the "Command Ready IPv6 Seal":



"Command Information has rigorously tested the Fluke OptiView in accordance with the JITC Generic IPv6 Test Plan and verified that it is conformant with the network appliance profile"

– David Green, VP of R&D, Command Information

Fluke Networks is formally requesting JITC to reserve IPv6 compliance testing laboratory time at the earliest possible date.

Description of the OptiView Series III Workgroup Analyzer (WGA)

The OptiView Series III Work Group Analyzer (WGA) is a rack mountable test appliance used by Network Engineers and Network Technicians for performing remote network analysis and troubleshooting in enterprise networks. The OptiView Series III provides real-time statistics for traffic on the wire which enables the user to understand how network resources are being used. OptiView identifies top talkers, multicasters and broadcasters or top conversations and protocols to determine how network devices and hosts are using network bandwidth. Line rate packet capture and filter at speeds up to 1Gbps is supported. Network devices including switches, routers and hosts are discovered through a variety of passive and active techniques.

OptiView is used for both deployment of new network capabilities and troubleshooting of network issues. With the rack mounted WGA, the OptiView appliance is installed at a central point in a network that can provide the connectivity and visibility needed to resolve most issues. The OptiView performs most of its measurements automatically when connected to a network. The user can navigate within the OptiView user interface using the WGA's remote user GUI. Depending on the situation, the OptiView may be used to perform tasks from cable testing to packet capture and analysis.

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The OptiView Series III contains a Data Acquisition Card that includes two network interfaces: a Network Under Test (NUT) port and a “management” port. The NUT port supports both copper and fiber optic connections, only one of which is active at a time. The IPv6 capabilities of the NUT port are limited to those necessary to perform discovery and other measurements provided by the OptiView. The management port is provided primarily for remote control of the WGA.

It must be noted that Fluke provides an additional OptiView hardware model called the Integrated Network Analyzer (INA). The INA is a portable Windows XP based machine that includes a touch screen for access to the OptiView application. The OptiView software and Data Acquisition Card described for the WGA remains the same. The management port on the INA has a custom “pass-thru” capability between applications running on the Windows XP PC (a web browser for example) and the network the port is connected to. **There is no external connectivity from the Windows PC to the NUT port via IPv6.**

Fluke is submitting the OptiView Series III WGA platform for JITC certification, but we request JITC to certify the entire family of OptiView platforms and not just the model submitted to JITC for certification. Additionally, while the management port can support basic IPv6 connectivity, we request all testing be performed solely on the WGA NUT port.

Software version

OptiView Version 5.3 build 786

OptiView Series III model numbers to be included for certification

The following 3 model numbers are included in the OptiView Series III family of products for JITC IPv6 certification:

OptiView Series III Work Group Analyzer (WGA)

1. OPVS3-WGA/GIG/DSVS with OPVS3-IPV6 option

OptiView Series III Integrated Network Analyzer (INA)

2. OPVS3-GIG/RHD Family
3. OPVS3-GIG Family with OPVS3-IPV6 option

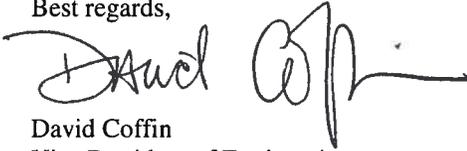
Compliant standards

4. RFC 1981
 - o The OptiView application does not support IPv6 fragmentation at this time. However, the application is designed to never send packets larger than 1280 bytes. This means that IPv6 fragmentation should never be needed. This appears to be an acceptable alternative as defined in RFC 1981.
5. RFC 2460
 - o This is dependent on the acceptance of RFC 1981 and RFC 4443.
6. RFC 2461
7. RFC 2462
8. RFC 2464
9. RFC 2710
 - o The OptiView application does not support the active joining of IPv6 multicast groups, however the OptiView sends out an MLDv1 report on startup for its solicited-node multicast address.
10. RFC 3810

- The OptiView application does not support the active joining of IPv6 multicast groups, however the OptiView sends out an MLDv2 report on startup for its solicited-node multicast address.
- 11. RFC 4007
- 12. RFC 4193
- 13. RFC 4291
 - This is dependent on the acceptance of RFC 1981 and RFC 4443.
- 14. RFC 4443
 - The OptiView application does not allow active pinging of IPv6 multicast address, however it does contact the all-nodes (FF02::1) and all-routers (FF02::2) addresses during the OptiView startup discovery process.

If you have any questions or if my assistance would be helpful please feel free to call me at 719-272-8615.

Best regards,



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