USGv6 Test Selection Tables

Firewall

F18-Conformance: Network Protection Capabilities R1v1.0

Applicable Profile: NIST SP 500-267B Revision 1 USGv6 Profile – November 2020.

Test Specification Id:

- [NPP] Network Protection Products Test Specification, Version 2.0, August, 2021, [editor: UNH InterOperability Laboratory].

Firewall Test Check List			
Reference	**Test Specification Id**	**Test Number**	**Device Type**
USGv6-R1	NPP	NPP.1.1: Configuration of Protective Functionality	NPP
USGv6-R1	NPP	NPP.1.2: Configuration of Logging and Alert Facility Configurations	NPP
USGv6-R1	NPP	NPP.1.3: Selectively Restricting Rights to the Administrative Interface	NPP
USGv6-R1	NPP	NPP.1.4: Individual Rights	NPP
USGv6-R1	NPP	NPP.1.5: Administrative Communications	NPP
USGv6-R1	NPP	NPP.1.6: Persistence of Device Settings	NPP
USGv6-R1	NPP	NPP.1.7: Logging of Configuration Change	NPP
USGv6-R1	NPP	NPP.1.8: Fragmented Packet	NPP
USGv6-R1	NPP	NPP.1.9: Tunneled Traffic (A)(B)(C)(D)	NPP
USGv6-R1	NPP	NPP.2.1: IPv6 Packets Sent to the Firewall	NPP
USGv6-R1	NPP	NPP.2.2: Source Address (A)(B)(C)(D)	NPP
USGv6-R1	NPP	NPP.2.3: Destination Address (A)(B)(C)(D)	NPP
USGv6-R1	NPP	NPP.2.4: Illegal Source and Destination Addresses (A)(B)(C)(D)(E)(F)(G)(H)(I)	NPP
USGv6-R1	NPP	NPP.2.5: Next Header Values (A)(B)	NPP
USGv6-R1	NPP	NPP.2.6: TCP/UDP Ports (A)(B)	NPP
USGv6-R1	NPP	NPP.2.7: ICMPv6	NPP
USGv6-R1	NPP	NPP.2.8: Implicit Deny Policy	NPP
USGv6-R1	NPP	NPP.2.9: Asymmetrical Controls	NPP
USGv6-R1	NPP	NPP.2.10: Connection Oriented Protocols	NPP
USGv6-R1	NPP	NPP.2.11: Unsolicited External Reply	NPP
USGv6-R1	NPP	NPP.2.12: IPv6 Traffic Filtering (A)(B)(C)(D)	NPP
USGv6-R1	NPP	NPP.2.13: Fail-Safe	NPP
USGv6-R1	NPP	NPP.2.14: Logging (A)(B)(C)(D)	NPP

References:

- [NIST IPv6 Profile] “NIST IPv6 Profile”, NIST Special Publication (NIST SP) – 500-267Ar1, November 2020.
- [USGv6-R1] “USGv6 Profile”, NIST Special Publication (NIST SP) – 500-267Br1, November 2020.

The objective of this test selection sheet is to provide a reference for available test specifications that identifies tests applicable to the USGv6 Profile.