

USGv6 Test Selection Tables*

Firewall

N1-Conformance: Firewall v1.3

Applicable Profile: NIST SP 500-267 A profile for IPv6 in the U.S. Government - Version 1.0, July 2008.

Configuration Option: FW

Test Specification Id:

- [[Network Protection Devices](#)] Network Protection Devices Test Specification version 1.2, [editor: [ICSA Labs](#)].

Reference:

- [Profile-v1] NIST SP 500-267 A profile for IPv6 in the U.S. Government - Version 1.0, July 2008.

Firewall Checklist

NOTE: Common NPD Requirements must also be performed.

Reference	Test Specification Id	Test Number	Device Type
Profile-v1	Network Protection Devices	2.1.1.1: Allowing/Blocking IPv6 Packets Sent to the Firewall	NPD
Profile-v1	Network Protection Devices	2.1.1.2: Allowing/Blocking IPv6 Packets Sent through the Firewall	NPD
Profile-v1	Network Protection Devices	2.1.1.3: Illegal Source and Destination Addresses	NPD
Profile-v1	Network Protection Devices	2.1.2.1: Selectively Block IPv6 packets based on Next Header values	NPD
Profile-v1	Network Protection Devices	2.1.2.2: Type 0 Routing Headers	NPD
Profile-v1	Network Protection Devices	2.1.3.1: TCP/UDP ports	NPD
Profile-v1	Network Protection Devices	2.1.3.2: ICMPv6	NPD
Profile-v1	Network Protection Devices	2.1.4.1: Implicit Deny Policy	NPD
Profile-v1	Network Protection Devices	2.2.1: Asymmetrical Controls	NPD
Profile-v1	Network Protection Devices	2.2.2: Allowing Connection Oriented Protocols	NPD
Profile-v1	Network Protection Devices	2.2.3: Selectively Blocking External Replies from the external network	NPD
Profile-v1	Network Protection Devices	2.3.1: ESP and AH Traffic Handling	NPD
Profile-v1	Network Protection Devices	2.3.2: Establishing Security Associations with IPsec	NPD
Profile-v1	Network Protection Devices	2.4.1: Fail-Safe	NPD
Profile-v1	Network Protection Devices	2.5: Tunneled traffic handling	NPD

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