USGv6 Test Selection Tables

IPv6 Core Requirements (IPv6 Specification, ICMPv6, PMTU, ND)

**I1-Interoperability:** IPv6 Core Requirements R1v1.3

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

**Test Specification Id:**


**Interoperability Partner Requirements:**

- Any host or router claiming compliance with the USGv6 profile MUST demonstrate evidence of interoperability with three or more independent implementations of IPv6. The three implementations must include at least one Host and at least one Router.
- Target nodes must not change once testing has begun.

If your Device Under Test (DUT) Type is **Host**:

- DUT = TAR-Host1 for all tests.
- TAR-Host2 = Independent Implementation Device B
- TAR-Router1 = Independent Implementation Device C
- Third Interoperability Partner is satisfied by executing the test specification again using the following:
  - TAR-Router1 = Independent Implementation Device D

If your Device Under Test (DUT) Type is **Router**:

- DUT = TAR-Router1 for all tests.
- TAR-Host1 = Independent Implementation Device B
- TAR-Router2 = Independent Implementation Device C
- Third Interoperability Partner is satisfied by executing the test specification again using the following:
  - TAR-Host1 = Independent Implementation Device D

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<td>Core-Interoperability</td>
<td>IP6Interop.1.1 ICMPv6 Echo Interoperability (A)(B)(D)(E)</td>
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The objective of this test selection sheet is to provide a reference for available test specifications that identifies tests applicable to the USGv6 Profile.

References: