USGv6 Test Selection Tables*

Addressing Architecture Requirements

I7-Interoperability


Configuration Option: None

Test Specification Id:


Reference:

- [RFC 3879] C. Huitema, B. Carpenter, "Deprecating Site Local Addresses." RFC 3879, September 2004

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.
- Can not change Target nodes once testing has begun.

AddrInterop

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

- DUT = TAR-Node1 for all tests.
- TAR-Node1 = Independent Implementation Device B
- TAR-Node2 = Independent Implementation Device C
- TAR-Node3 = Independent Implementation Device D

### Addressing Architecture Test Check List

<table>
<thead>
<tr>
<th>Reference</th>
<th>Test Specification Id</th>
<th>Test Number</th>
<th>Device Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>RFC 3484</td>
<td>AddrInterop</td>
<td>AddrInterop.1.2: Default Source Address Selection (A)(B)(C)(D)</td>
<td>Host/Router</td>
</tr>
<tr>
<td>RFC 3484</td>
<td>AddrInterop</td>
<td>AddrInterop.1.3: Default Destination Address Selection (A)(B)(C)(D)</td>
<td>Host/Router</td>
</tr>
<tr>
<td>RFC 3879</td>
<td>AddrInterop</td>
<td>Test AddrInterop.1.5: Deprecating Site Local Addresses (A)(B)</td>
<td>Host/Router</td>
</tr>
<tr>
<td>RFC 3879</td>
<td>AddrInterop</td>
<td>Test AddrInterop.2.2: Routing Depreciated Site Local Addresses</td>
<td>Router</td>
</tr>
</tbody>
</table>

**NOTE:** The following tests are considered a **O** for the Address Architecture Requirements as per the USGv6-V1 Profile.

### Unique Local "Optional"

<table>
<thead>
<tr>
<th>Reference</th>
<th>Test Specification Id</th>
<th>Test Number</th>
<th>Device Type</th>
</tr>
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<tbody>
<tr>
<td>RFC 4193</td>
<td>AddrInterop</td>
<td>AddrInterop.1.4: Unique Local IPv6 Address (A)(B)</td>
<td>Host/Router</td>
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<tr>
<td>RFC 4193</td>
<td>AddrInterop</td>
<td>AddrInterop.2.1: Routing Unique Local IPv6 Addresses</td>
<td>Router</td>
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</tbody>
</table>

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