

# USGv6 Test Selection Tables\*

## Addressing Architecture Requirements

**F7-Conformance:** Addr Arch Requirements v1.3

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

**Configuration Option:** None

**Test Specification Id:**

- [[Addr](#)] Address Architecture Conformance Test Specification, Version 2.5, February, 2020, [editor: [UNH InterOperability Laboratory](#)].

**Reference:**

- [RFC 4193] R. Hinden, B. Haberman. "Unique Local IPv6 Unicast Addresses." RFC 4193, October 2005
- [RFC 4291] R. Hinden, S. Deering, "IP Version 6 Addressing Architecture," RFC 4291, February 2006
- [RFC 4007] S. Deering, B. Haberman, T. Jinmei, E. Nordmark, B. Zill, "IPv6 Scoped Address Architecture," RFC 4007, March 2005
- [RFC 3879] C. Huitema, B. Carpenter, "Deprecating Site Local Addresses." RFC 3879, September 2004
- [RFC 3484] R. Draves, "Default Address Selection for Internet Protocol version 6 IPV6)," RFC 3484, February 2003
- [RFC 2526] D. Johnson, S. Deering, "Reserved IPv6 Subnet Anycast Addresses," RFC 2526, March 1999

### Addressing Architecture Test Check List

Reference	Test Specification Id	Test Number	Device Type
RFC 4007, 4291	Addr	Addr.1.1: IPv6 Scoped Address (A)(B)(C)	Host/Router
RFC 3484	Addr	Addr.1.2: Default Source Address Selection (A)(C)	Host/Router
RFC 3484	Addr	Addr.1.2: Default Source Address Selection (B)	Host
RFC 3484	Addr	Addr.1.3: Default Destination Address Selection (A)	Host/Router
RFC 3484	Addr	Addr.1.3: Default Destination Address Selection (B)	Host
RFC 3879	Addr	Addr.1.5: Deprecating Site Local Addresses (A)(B)	Host/Router
RFC 3879	Addr	Addr.2.2: Routing Deprecated Site Local Addresses	Router
RFC 4192	Addr	Addr.2.3: IP Forwarding - Source and Destination Address (A)(B)(C)(D)(E)(F)(G)(H)(I)(J)	Router

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

<b>Unique Local “Optional”</b>			
<b>Reference</b>	<b>Test Specification Id</b>	<b>Test Number</b>	<b>Device Type</b>
RFC 4193	Addr	Addr.1.4: Unique Local IPv6 Address (A)(B)	Host/Router
RFC 4193	Addr	Addr.2.1: Routing Unique Local Addresses	Router

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