	Release 2.0	3.0-dev 2017-04-25	3.0-dev 2017-05-24	3.0-dev 2017-06-30	Release 3.0-rc1	Master 2017-08-16	Master 2017-08-24	Master 2017-09-08	Release 3.0-rc2
Type	FRR	FRR	FRR	FRR	FRR	FRR	FRR	FRR	FRR
Commit ID	3e71b5d	3d7746c	f731a65	f92f83b	c47b10c	fb13970	511684d	5cf0c43	2d67d5a
Commit Date	2017-04-02	2017-04-25	2017-05-24	2017-07-01	2017-08-09	2017-08-16	2017-08-24	2017-09-08	2017-09-14
ANVL-ISISV6-1.1 **MUST**	ISO/IEC 10589:1992(E)s9.5 p49 Level 1 LAN IS to IS hello PDU Level 1 LAN IS to IS Hello PDU Level 1 LAN IS to IS hello PDU must have 1. Intra-domain Routing Protocol Discriminator = 0x83 2. PDU type = 15 3. Version/Protocol ID extension = 1 4. Version = 1								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-1.2 **MUST**	ISO/IEC 10589:1992(E)s9.5 p49 Level 1 LAN IS to IS hello PDU Level 1 LAN IS to IS Hello PDU Bit 6-8 of PDU Type (5th octet), Reserved (7th octet), bit 3-8 of Reserved/Circuit Type (9th octet) and 8th bit of Priority are reserved which are always set to zero in Level 1 LAN IS to IS hello PDU.								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-1.3 **MUST**	ISO/IEC 10589:1992(E)s9.5 p49 Level 1 LAN IS to IS hello PDU Level 1 LAN IS to IS Hello PDU The valid ID Length field shall take any one of these following values: 1. An Integer between 1 and 8, inclusive, indicating an ID field of the corresponding length 2. The Value zero, which indicates a six octet ID, field length 3. The Value 255, which means a null ID field (i.e., zero length)								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-1.4 **MUST**	ISO/IEC 10589:1992(E)s9.5 p49-50 Level 1 LAN IS to IS hello PDU Level 1 LAN IS to IS Hello PDU In a LAN Level 1 IIH the Circuit Type must be either 1 or 3								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-1.5 **MUST**	ISO/IEC 10589:1992(E)s9.5 p50 Level 1 LAN IS to IS hello PDU RFC 1195 s5.3.1 p37-38 Level 1 LAN IS to IS hello PDU RFC 5308 p2-4 s2 IPv6 Reachability TLV s3 IPv6 Interface Address TLV s4 IPv6 NLPID Level 1 LAN IS to IS Hello PDU The valid Codes that must be present in the VARIABLE LENGTH FIELD of Level 1 LAN IS to IS hello PDU are: Area Address Authentication Information Protocols Supported IPv6 Interface Address								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass

	Release 2.0	3.0-dev 2017-04-25	3.0-dev 2017-05-24	3.0-dev 2017-06-30	Release 3.0-rc1	Master 2017-08-16	Master 2017-08-24	Master 2017-09-08	Release 3.0-rc2
ANVL-ISISV6-1.6 **MUST**	RFC 1195 s4.4 p32 Maintaining Router Adjacencies s5.2 p34 Overview of IP-specific Information for IS-IS								
	Level 1 LAN IS to IS Hello PDU The Protocol supported field must be present in all IS-IS Hello Packets send by IP-only routers								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-1.7 **MUST**	NEGATIVE : RFC 1195 s4.4 p32 Maintaining Router Adjacencies								
	Level 1 LAN IS to IS Hello PDU The Protocol Supported field must be present in all IS-IS Hello Packets send by IP-only routers								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: pass	FreeBSD 10.3: pass
ANVL-ISISV6-1.8 **MUST**	ISO/IEC 10589:1992(E)s9.6 p51 Level 2 LAN IS to IS hello PDU								
	Level 1 LAN IS to IS Hello PDU Level 2 LAN IS to IS hello PDU must have 1. Intra-domain Routing Protocol Discriminator = 0x83 2. PDU type = 16 3. Version/Protocol ID extension = 1 4. Version = 1								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-1.9 **MUST**	ISO/IEC 10589:1992(E)s9.6 p51 Level 2 LAN IS to IS hello PDU								
	Level 1 LAN IS to IS Hello PDU Bit 6-8 of PDU Type (5th octet), Reserved (7th octet), bit 3-8 of Reserved/Circuit Type (9th octet) and 8th bit of Priority are reserved which are always set to zero in Level 2 LAN IS to IS hello PDU.								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-1.10 **MUST**	ISO/IEC 10589:1992(E)s9.6 p51 Level 2 LAN IS to IS hello PDU								
	Level 1 LAN IS to IS Hello PDU The valid ID Length field shall take any one of these following values: 1. An Integer between 1 and 8, inclusive, indicating an ID field of the corresponding length 2. The Value zero, which indicates a six octet ID, field length 3. The Value 255, which means a null ID field (i.e., zero length)								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-1.11 **MUST**	ISO/IEC 10589:1992(E)s9.6 p51 Level 2 LAN IS to IS hello PDU								
	Level 1 LAN IS to IS Hello PDU In a LAN Level 2 IIH the Circuit Type must be either 2 or 3								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass

	Release 2.0	3.0-dev 2017-04-25	3.0-dev 2017-05-24	3.0-dev 2017-06-30	Release 3.0-rc1	Master 2017-08-16	Master 2017-08-24	Master 2017-09-08	Release 3.0-rc2
ANVL-ISISV6-1.12 **MUST**	ISO/IEC 10589:1992(E)s9.6 p51-52 Level 2 LAN IS to IS hello PDU RFC 1195 s5.3.2 p38-39 Level 2 LAN IS to IS hello PDU RFC 5308 p2-4 s2 IPv6 Reachability TLV s3 IPv6 Interface Address TLV s4 IPv6 NLPID								

	`Level 1 LAN IS to IS Hello PDU`
	`The valid Codes that must be present in the VARIABLE LENGTH FIELD`
	`of Level 2 LAN IS to IS hello PDU are:`
	`Area Address`
	`Protocols Supported`
	`IPv6 Interface Address`								

	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-1.13 **MUST**	RFC 1195 s4.4 p32 Maintaining Router Adjacencies s5.2 p34 Overview of IP-specific Information for IS-IS								

	`Level 1 LAN IS to IS Hello PDU`
	`The Protocol supported field must be present in all IS-IS Hello`
	`Packets send by IP-only routers`								

	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-1.14 **MUST**	NEGATIVE : RFC 1195 s4.4 p32 Maintaining Router Adjacencies								

	`Level 1 LAN IS to IS Hello PDU`
	`The Protocol Supported field must be present in all IS-IS Hello`
	`Packets send by IP-only routers`								

	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: pass	FreeBSD 10.3: pass
ANVL-ISISV6-1.19 **MUST**	RFC 1195 s3.1 p15 Exchange of Routing information RFC 5308 s4 p4 IPv6 NLPID								

	`Level 1 LAN IS to IS Hello PDU`
	`IP capable routers need to know what network layer protocols are`
	`supported by other routers in their area`								

	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-1.20 **MUST**	RFC 1195 s4.2 p31 Multiple IP Addresses per Interface RFC 5308 s3 p3 IPv6 Interface Address TLV								

	`Level 1 LAN IS to IS Hello PDU`
	`Each interface corresponding to the SNPA over which is`
	`transmitted can have maximum of 15 IPv6 addresses`
	`We necessarily modify the contents to be 0-15 16 octet IPv6 interface`
	`addresses instead of 0-63 4 octet IPv4 interface address.`								

	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass

	Release 2.0	3.0-dev 2017-04-25	3.0-dev 2017-05-24	3.0-dev 2017-06-30	Release 3.0-rc1	Master 2017-08-16	Master 2017-08-24	Master 2017-09-08	Release 3.0-rc2
ANVL-ISISV6-1.21 **MUST**	RFC 1195 s3.1 p15 Exchange of Routing information RFC 5308 s4 p4 IPv6 NLPID								

	`Level 1 LAN IS to IS Hello PDU`
	`IP capable routers need to know what network layer protocols are`
	`supported by other routers in their area`								

	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-1.22 **MUST**	RFC 1195 s4.2 p31 Multiple IP Addresses per Interface RFC 5308 s3 p3 IPv6 Interface Address TLV								

	`Level 1 LAN IS to IS Hello PDU`
	`Each interface corresponding to the SNPA over which is`
	`transmitted can have maximum of 15 IPv6 addresses`
	`We necessarily modify the contents to be 0-15 16 octet IPv6 interface`
	`addresses instead of 0-63 4 octet IPv4 interface address.`								

	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-1.23 **MUST**	NEGATIVE :RFC 1195 s4.2 p31 Multiple IP Addresses per Interface RFC 5308 s3 p3 IPv6 Interface Address TLV								

	`Level 1 LAN IS to IS Hello PDU`
	`Each Interface corresponding to the SNPA over which a L1 LAN IIH`
	`PDU is transmitted can have a maximum of 15 IPv6 Addresses`
	`We necessarily modify the contents to be 0-15 16 octet IPv6 interface`
	`addresses instead of 0-63 4 octet IPv4 interface address.`								

	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL
ANVL-ISISV6-1.24 **MUST**	NEGATIVE :RFC 1195 s4.2 p31 Multiple IP Addresses per Interface RFC 5308 s3 p3 IPv6 Interface Address TLV								

	`Level 1 LAN IS to IS Hello PDU`
	`Each Interface corresponding to the SNPA over which a L1 LAN IIH`
	`PDU is transmitted can have a maximum of 15 IPv6 Addresses`
	`We necessarily modify the contents to be 0-15 16 octet IPv6 interface`
	`addresses instead of 0-63 4 octet IPv4 interface address.`								

	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL
ANVL-ISISV6-1.25 **MUST**	RFC 5308 s3 p4 IPv6 Interface Address TLV								

	`Level 1 LAN IS to IS Hello PDU`
	`For LSPs the "Interfaces Address" TLVs MUST contain only the`
	`non-link-local IPv6 addresses assigned to the IS.`								

	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-1.26 **MUST**	RFC 5308 s3 p4 IPv6 Interface Address TLV								

	`Level 1 LAN IS to IS Hello PDU`
	`For LSPs the "Interfaces Address" TLVs MUST contain only the`
	`non-link-local IPv6 addresses assigned to the IS.`								

	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass

	Release 2.0	3.0-dev 2017-04-25	3.0-dev 2017-05-24	3.0-dev 2017-06-30	Release 3.0-rc1	Master 2017-08-16	Master 2017-08-24	Master 2017-09-08	Release 3.0-rc2
ANVL-ISISV6-2.1 **MUST**	ISO/IEC 10589:1992(E) s9.8 p54 Level 1 LSPDU								
	Level 1 LSPDU Test that the level 1 LSP must have Intradomaim Routing Protocol Discriminator = 0x83, PDU Type = 18, Version/Protocol ID extension (2nd octet) = 1 and Version (6th octet) = 1 in the Header								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-2.2 **MUST**	ISO/IEC 10589:1992(E) s9.8 p54 Level 1 Link State PDU								
	Level 1 LSPDU Bit 6-8 of PDU Type (5th octet) and Reserved (7th octet) are reserved which are always set to zero in Level 1 Link State PDU								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-2.3 **MUST**	ISO/IEC 10589:1992(E) s9.8 p54-55 Level 1 Link State PDU								
	Level 1 LSPDU The valid ID Length field shall take any one of these following values: 1. An integer between 1 and 8 ,inclusive, indicating an ID field of coresponding length 2. The value zero, which indicates a six octet ID, field length 3. The value 255, which means a null ID field (i.e., zero length)								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-2.4 **MUST**	ISO/IEC 10589:1992(E) s9.8 p54-55 Level 1 Link State PDU RFC 1195 s5.3.4, p40-43 Level 1 Link State PDU RFC 5308 p2-4 s2 IPv6 Reachability TLV s3 IPv6 Interface Address TLV s4 IPv6 NLPID								
	Level 1 LSPDU The valid codes that must be present in the VARIABLE LENGTH FIELD of level 1 link state PDU are: Area Addresses Intermediate system Neighbors Protocols Supported IPv6 Reachability Information								
	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL
ANVL-ISISV6-2.11 **MUST**	ISO/IEC 10589:1992(E) s9.9 p57 Level 2 LSPDU								
	Level 1 LSPDU Test that the level 2 LSP must have Intradomaim Routing Protocol Discriminator =0x83, PDU Type=20,Version/Protocol ID extension(3rd octet) = 1 and Version (6th octet) = 1 in the Header								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass

	Release 2.0	3.0-dev 2017-04-25	3.0-dev 2017-05-24	3.0-dev 2017-06-30	Release 3.0-rc1	Master 2017-08-16	Master 2017-08-24	Master 2017-09-08	Release 3.0-rc2
ANVL-ISISV6-2.12 **MUST**	ISO/IEC 10589:1992(E) s9.9 p57 Level 2 Link State PDU								
	Level 1 LSPDU Bit 6-8 of PDU Type (5th octet) and Reserved (7th octet) are reserved which are always set to zero in Level 2 Link State PDU								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-2.13 **MUST**	ISO/IEC 10589:1992(E) s9.9 p57 Level 2 Link State PDU								
	Level 1 LSPDU The valid ID Length field shall take any one of these following values: 1. An integer between 1 and 8 ,inclusive, indicating an ID field of coresponding length 2. The value zero, which indicates a six octet ID, field length 3. The value 255, which means a null ID field (i.e., zero length)								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-2.14 **MUST**	ISO/IEC 10589:1992(E) s9.9 p57-59 Level 2 Link State PDU RFC 1195 s5.3.5,p43-48 Level 2 Link State PDU RFC 5308 p2-4 s2 IPv6 Reachability TLV s3 IPv6 Interface Address TLV s4 IPv6 NLPID								
	Level 1 LSPDU The valid codes that must be present in the VARIABLE LENGTH FIELD of level 2 link state PDU are: Area Addresses Intermediate system Neighbors Protocols Supported IPv6 Reachability Information								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-2.17 **MUST**	RFC 1195 S3.1 P15 Exchange of routing information								
	Level 1 LSPDU IS-IS requires that any codes in a received PDU that are not recognized are ignored and passed through unchanged								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-2.18 **MUST**	RFC 1195 S3.1 P15 Exchange of routing information								
	Level 1 LSPDU IS-IS requires that any codes in a received PDU that are not recognized are ignored and passed through unchanged								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass

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ANVL-ISISV6-3.1 **MUST**	ISO/IEC 10589:1992(E) s9.10 p60 Level 1 complete sequence numbers PDU								
	Level 1 Complete Sequence Numbers PDU Level 1 complete sequence number PDU must have Intra-domain Routing protocol Discriminator = 0x83, PDU Type = 24, Version/Protocol ID extension (3rd octet) = 1 and Version (6th octet) = 1 in the header								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-3.2 **MUST**	ISO/IEC 10589:1992(E) s9.10 p60 Level 1 Complete sequence number PDU								
	Level 1 Complete Sequence Numbers PDU Bit 6-8 of PDU Type (5th octet) and Reserved(7th octet) are reserved which are always set to zero in Level 1 complete sequence								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-3.3 **MUST**	ISO/IEC 10589:1992(E) s9.10 p57 Level 1 complete sequence numbers PDU								
	Level 1 Complete Sequence Numbers PDU The valid ID Length field in a Level 1 Complete Sequence Number PDU shall take any one of these following values: 1. An integer between 1 and 8, inclusive, indicating an ID field of coresponding length 2. The value zero, which indicates a six octet ID,field length 3. The value 255, which means a null ID field (i.e., zero length)								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-3.4 **MUST**	ISO/IEC 10589:1992(E) s9.10 p60-61 Level 1 complete sequence numbers PDU RFC 1195 s5.3.6,p48-49 Level 1 complete sequence numbers PDU								
	Level 1 Complete Sequence Numbers PDU The valid codes that must be present in the VARIABLE LENGTH FIELD of level 1 complete sequence numbers PDU are: 1. LSP Entries 2. Authentication Information								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-3.5 **MUST**	ISO/IEC 10589:1992(E) s9.10 p61-62 Level 2 complete sequence numbers PDU								
	Level 1 Complete Sequence Numbers PDU Level 2 complete sequence number PDU must have Intra-domain Routing protocol Discriminator = 0x83, PDU Type = 25, Version/Protocol ID extension (3rd octet) = 1 and Version (6th octet) = 1 in the header								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass

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ANVL-ISISV6-3.6 **MUST**	ISO/IEC 10589:1992(E) s9.11 p62 Level 2 Complete sequence number PDU								
	Level 1 Complete Sequence Numbers PDU Bit 6-8 of PDU Type (5th octet) and Reserved(7th octet) are reserved which are always set to zero in Level 2 complete sequence numbers PDU								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-3.7 **MUST**	ISO/IEC10589:1992(E) s9.11 p61-62 Level 2 complete sequence numbers PDU								
	Level 1 Complete Sequence Numbers PDU The valid ID Length field in a Level 2 Complete Sequence Number PDU shall take any one of these following values: 1. An integer between 1 and 8, inclusive, indicating an ID field of coresponding length 2. The value zero, which indicates a six octet ID, field length 3. The value 255, which means a null ID field (i.e., zero length)								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-3.8 **MUST**	ISO/IEC 10589:1992(E) s9.11 p62 Level 2 complete sequence numbers PDU RFC 1195 s5.3.7,p49 Level 2 complete sequence numbers PDU								
	Level 1 Complete Sequence Numbers PDU The valid codes that must be present in the VARIABLE LENGTH FIELD of level 2 complete sequence numbers PDU are: 1. LSP Entries 2. Authentication Information								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-3.9 **MUST**	ISO/IEC 10589(E) s9.12 p62-63 Level 1 partial sequence numbers PDU								
	Level 1 Complete Sequence Numbers PDU Level 1 partial sequence number PDU must have Intra-domain Routing protocol Discriminator=0x83, PDU Type=26, Version/Protocol ID extension (3rd octet)=1 and Version (6th octet)=1 in the header								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict
ANVL-ISISV6-3.10 **MUST**	ISO/IEC 10589:1992(E) s9.12 p63 Level 1 partial sequence number PDU								
	Level 1 Complete Sequence Numbers PDU Bit 6-8 of PDU Type (5th octet) and Reserved (7th octet) are reserved which are always set to zero in Level 1 partial sequence numbers PDU								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict

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ANVL-ISISV6-3.11 **MUST**	ISO/IEC 10589:1992(E) s9.12 p63 Level 1 partial sequence number PDU								
	Level 1 Complete Sequence Numbers PDU The valid ID Length field shall take any one of these following values: 1. An integer between 1 and 8 , inclusive, indicating an ID field of coresponding length 2. The value zero, which indicates a six octet ID,field length 3. The value 255, which means a null ID field (i.e., zero length)								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict
ANVL-ISISV6-3.12 **MUST**	ISO/IEC 10589:1992(E) s9.12 p63 Level 1 partial sequence number PDU RFC 1195 s5.3.8,p49 Level 1 partial sequence number PDU								
	Level 1 Complete Sequence Numbers PDU The valid codes that must be present in the VARIABLE LENGTH FIELD of level 1 partial sequence numbers PDU are: 1. LSP Entries 2. Authentication Information								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-3.13 **MUST**	ISO/IEC 10589(E) s9.12 p64-65 Level 2 partial sequence numbers PDU								
	Level 1 Complete Sequence Numbers PDU Level 2 partial sequence number PDU must have Intra-domain Routing protocol Discriminator=0x83, PDU Type=27, Version/Protocol ID extension (3rd octet)=1 and Version (6th octet)=1 in the header								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: unpredict	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict
ANVL-ISISV6-3.14 **MUST**	ISO/IEC 10589:1992(E) s9.12 p64 Level 2 partial sequence number PDU								
	Level 1 Complete Sequence Numbers PDU Bit 6-8 of PDU Type (5th octet) and Reserved(7th octet) are reserved which are always set to zero in Level 2 partial sequence numbers PDU								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-3.15 **MUST**	ISO/IEC 10589:1992(E) s9.12 p64 Level 2 partial sequence number PDU								
	Level 1 Complete Sequence Numbers PDU The valid ID Length field shall take any one of these following values: 1. An integer between 1 and 8 ,inclusive,indicating an ID field of coresponding length 2. The value zero, which indicates a six octet ID,field length 3. The value 255,which means anull ID field(ie zero length)								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass

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ANVL-ISISV6-3.16 **MUST**	ISO/IEC 10589:1992(E) s9.12 p64 Level 2 partial sequence number PDU RFC 1195 s5.3.9,p49 Level 2 partial sequence number PDU								

	`Level 1 Complete Sequence Numbers PDU`
	`The valid codes that must be present in the VARIABLE LENGTH FIELD of`
	`level 2 partial sequence numbers PDU are:`
	`1. LSP Entries`
	`2. Authentication Information`								

	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-4.1 **MUST**	ISO/IEC 10589:1992(E), s7.2.4, p14, Links								

	`Links`
	`IS discover neighbours and forms adjacencies by exchanging`
	`ISIS Hello PDUs.`								

	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-4.2 **MUST**	RFC 1195, s5.1, p33, Overview of ISIS PDUs								

	`Links`
	`Hello packets are used to initialize and maintain adjacencies between`
	`neighbouring ISs.`								

	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-4.3 **MUST**	ISO/IEC 10589:1992(E), s8.4.2, p44, Broadcast subnetwork IIH PDUs								
	`Links` `An L1 IS shall transmit only L1 LAN IIHs.`								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-4.4 **SHOULD**	ISO/IEC 10589:1992(E), s8.4.2, p44, Broadcast subnetwork IIH PDUs								

	`Links`
	`An L1 IIH sent by L1 IS should contain the manualAreaAddresses and`
	`LAN Addresses of L1 IS adjacencies.`								

	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-4.5 **MUST**	ISO/IEC 10589:1992(E), s8.4.2, p44, Broadcast subnetwork IIH PDUs								

	`Links`
	`An L1 IS shall transmit L1 LAN IIHs to the multi-destination`
	`address AllL1ISs.`								

	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-4.6 **MUST**	ISO/IEC 10589:1992(E), s8.4.2, p44, Broadcast subnetwork IIH PDUs								
	`Links` `L1 ISs shall listen on the multi-destination address AllL1ISs.`								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass

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ANVL-ISISV6-4.7 **MUST**	ISO/IEC 10589:1992(E), s8.4.2, p44, Broadcast subnetwork IIH PDUs								
	Links L1 ISs shall reject any L1 LAN IIH that doesn"t have the destination as AllL1ISs.								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL
ANVL-ISISV6-4.8 **SHOULD**	ISO/IEC 10589:1992(E), s8.4.2.1, p44, IIH PDU acceptance tests								
	Links If the IDLength of the L1 IIH is not equal to the value of the IS routingDomainIDLength, it should be discarded.								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: pass	FreeBSD 10.3: pass
ANVL-ISISV6-4.9 **SHOULD**	ISO/IEC 10589:1992(E), s8.4.2.2, p45, Receipt of L1 LAN IIH PDUs ISO/IEC 10589:1992(E), s8.2.4.2, p38, IIH PDU Processing								
	Links If the received L1 IIH"s areaAddresses do not match any of the manualAreaAddresses of the L1 IS, it should reject the adjacency.								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: pass	FreeBSD 10.3: pass
ANVL-ISISV6-4.10 **MUST**	ISO/IEC 10589:1992(E), s8.4.2.2, p45, Receipt of L1 IIH PDUs ISO/IEC 10589:1992(E), s8.2.4.2, p38, IIH PDU Processing								
	Links If the received L1 IIHs areaAddress field matches any of the values from the manualAreaAddresses of the L1 IS, it shall accept the adjacency.								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-4.11 **MUST**	ISO/IEC 10589:1992(E), s8.4.2.2, p45, Receipt of L1 IIH PDUs ISO/IEC 10589:1992(E), s8.2.4.2, p38, IIH PDU Processing								
	Links If the received L1 IIHs maximumAreaAddresses value is equal to the ISs maximumAreaAddresses, accept the PDU.								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-4.12 **MUST**	ISO/IEC 10589:1992(E), s8.4.2.2, p45, Receipt of L1 IIH PDUs								
	Links If the L1 ISs maximumAreaAddresses is not 3, then it will discard all L1 IIH with non matching maximumAreaAddresses value.								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: pass	FreeBSD 10.3: pass

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ANVL-ISISV6-4.14 **MUST**	ISO/IEC 10589:1992(E), s8.4.2.5.1, p45, New Adjacencies								
	Links When an L1 IS receives an L1 LAN IIH from another IS (R), then the next L1 IIH generated by the IS will include R.								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-4.15 **MUST**	ISO/IEC 10589:1992(E), s8.4.2.5.1, p45, New Adjacencies								
	Links When an L1 IS receives an L1 LAN IIH with its own entry, then it shall create an adjacency.								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-4.16 **MUST**	ISO/IEC 10589:1992(E), s8.4.2.5.2, p45, New Adjacencies								
	Links If a neighbour is not heard within the Holding Time, the L1 IS shall purge it from the database.								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-5.1 **MUST**	ISO/IEC 10589:1992(E), s7.2.4, p14, Links								
	Broadcast Subnetwork IIH PDUs IS discover neighbours and forms adjacencies by exchanging ISIS Hello PDUs.								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-5.2 **MUST**	RFC 1195, s5.1, p33, Overview of ISIS PDUs								
	Broadcast Subnetwork IIH PDUs Hello packets are used to initialize and maintain adjacencies between neighbouring ISs.								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-5.3 **MUST**	ISO/IEC 10589:1992(E), s8.4.2, p44, Broadcast subnetwork IIH PDUs								
	Broadcast Subnetwork IIH PDUs An L2 IS shall transmit only L2 LAN IIHs.								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-5.4 **SHOULD**	ISO/IEC 10589:1992(E), s8.4.2, p44, Broadcast subnetwork IIH PDUs								
	Broadcast Subnetwork IIH PDUs An L2 IIH sent by L2 IS should contain the manual Area Addresses and LAN Addresses of L2 IS adjacencies.								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass

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ANVL-ISISV6-5.5 **MUST**	ISO/IEC 10589:1992(E), s8.4.2, p44, Broadcast subnetwork IIH PDUs								
	`Broadcast Subnetwork IIH PDUs` `An L2 IS shall transmit L2 LAN IIHs to the multi-destination address AllL2ISs.`								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-5.6 **MUST**	ISO/IEC 10589:1992(E), s8.4.2, p44, Broadcast subnetwork IIH PDUs								
	`Broadcast Subnetwork IIH PDUs` `L2 ISs shall listen on the multi-destination address AllL2ISs.`								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-5.7 **MUST**	ISO/IEC 10589:1992(E), s8.4.2, p44, Broadcast subnetwork IIH PDUs								
	`Broadcast Subnetwork IIH PDUs` `L2 ISs shall reject any L2 LAN IIH that doesn"t have the destination as AllL2ISs.`								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL
ANVL-ISISV6-5.8 **SHOULD**	ISO/IEC 10589:1992(E), s8.4.2.1, p44, IIH PDU acceptance tests								
	`Broadcast Subnetwork IIH PDUs` `If the IDLength of the L2 IIH is not equal to the value of the ISs routingDomainIDLength, it should be discarded.`								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: pass	FreeBSD 10.3: pass
ANVL-ISISV6-5.9 **MUST**	ISO/IEC 10589:1992(E), s8.4.2.5.1, p45, New Adjacencies								
	`Broadcast Subnetwork IIH PDUs` `When an L2 IS receives an L2 LAN IIH from another IS (R), then the next L2 IIH generated by the IS will include R.`								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-5.10 **MUST**	ISO/IEC 10589:1992(E), s8.4.2.5.1, p45, New Adjacencies								
	`Broadcast Subnetwork IIH PDUs` `When an L2 IS receives an L2 LAN IIH with its own entry, then it shall create an adjacency.`								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-5.11 **MUST**	ISO/IEC 10589:1992(E), s8.4.2.5.2, p45, New Adjacencies								
	`Broadcast Subnetwork IIH PDUs` `If a neighbour is not heard within the Holding Time, the L2 IS shall purge it from the database.`								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass

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ANVL-ISISV6-6.1 **MUST**	ISO/IEC 10589:1992(E), s8.4.2, p44, Broadcast subnetwork IIH PDUs								
	More Broadcast Subnetwork IIH PDUs An L1/L2 IS shall create separate adjacencies on receipt of L1 and L2 LAN IIH.								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict
ANVL-ISISV6-6.2 **MUST**	ISO/IEC 10589:1992(E), s8.4.2, p44, Broadcast subnetwork IIH PDUs								
	More Broadcast Subnetwork IIH PDUs An L1/L2 IS shall transmit both L1 and L2 LAN IIHs.								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-6.3 **MUST**	ISO/IEC 10589:1992(E), s8.4.2, p44, Broadcast subnetwork IIH PDUs								
	More Broadcast Subnetwork IIH PDUs An L1/L2 IS shall listen on the multi-destination address AllL1ISs and AllL2ISs for L1 and L2 LAN IIHs respectively.								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: unpredict	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-6.4 **MUST**	ISO/IEC 10589:1992(E), s8.4.2, p44, Broadcast subnetwork IIH PDUs								
	More Broadcast Subnetwork IIH PDUs An L1/L2 IS shall reject any LAN IIH that doesn"t have the destination as AllL1ISs or AllL2ISs.								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL
ANVL-ISISV6-7.1 **MUST**	ISO/IEC 10589:1992(E) s7.2.3 p14 Broadcast subnetwork RFC 1195 s4.3 p31 Designated routers and Pseudonodes								
	Broadcast Subnetwork Election process of level 1 designated IS is done by verifying priority field in the IIH								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-7.2 **MUST**	ISO/IEC 10589:1992(E) s7.2.3 p14 Broadcast subnetwork RFC 1195 s4.3 p31 Designated routers and Pseudonodes								
	Broadcast Subnetwork Election process of level 1 designated IS is done by verifying priority field in the IIH								
	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL

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ANVL-ISISV6-7.3 **MUST**	ISO/IEC 10589:1992(E) s7.2.3 p14 Broadcast subnetwork RFC 1195 s4.3 p31 Designated routers and Pseudonodes								

	`Broadcast Subnetwork`
	`Election process of level 1 designated IS is done by verifying`
	`priority field in the IIH and the MAC address`								

	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-7.4 **MUST**	ISO/IEC 10589:1992(E) s7.2.3 p14 Broadcast subnetwork RFC 1195 s4.3 p31 Designated routers and Pseudonodes								

	`Broadcast Subnetwork`
	`Election process of level 1 designated IS is done by verifying`
	`priority field in the IIH and the MAC address`								

	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL
ANVL-ISISV6-7.5 **MUST**	ISO/IEC 10589:1992(E) s8.4.5 p46 LAN designated IS								

	`Broadcast Subnetwork`
	`An L1 IS becomes an L1 Designated IS, it shall transmit L1`
	`pseudonode LSP`								

	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-7.6 **MUST**	ISO/IEC 10589:1992(E) s8.4.5 p47 LAN designated ISs								

	`Broadcast Subnetwork`
	`An L1 IS shall transmit L1 LAN IIHs with the LAN ID field set to the`
	`LAN ID of the designated L1 IS`								

	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-8.1 **MUST**	ISO/IEC 10589:1992(E) s7.2.3 p14 Broadcast subnetwork RFC 1195 s4.3 p31 Designated routers and Pseudonodes								

	`Designated Routers and Pseudonodes`
	`Election process of level 2 designated IS is done by verifying`
	`priority field in the IIH`								

	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-8.2 **MUST**	ISO/IEC 10589:1992(E) s7.2.3 p14 Broadcast subnetwork RFC 1195 s4.3 p31 Designated routers and Pseudonodes								

	`Designated Routers and Pseudonodes`
	`Election process of level 2 designated IS is done by verifying`
	`priority field in the IIH`								

	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL

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ANVL-ISISV6-8.3 **MUST**	ISO/IEC 10589:1992(E) s7.2.3 p14 Broadcast subnetwork RFC 1195 s4.3 p31 Designated routers and Pseudonodes								

	`Designated Routers and Pseudonodes`
	`Election process of level 2 designated IS is done by verifying`
	`priority field in the IIH and the MAC address`								

	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-8.4 **MUST**	ISO/IEC 10589:1992(E) s7.2.3 p14 Broadcast subnetwork RFC 1195 s4.3 p31 Designated routers and Pseudonodes								

	`Designated Routers and Pseudonodes`
	`Election process of level 2 designated IS is done by verifying`
	`priority field in the IIH and the MAC address`								

	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL
ANVL-ISISV6-8.5 **MUST**	ISO/IEC 10589:1992(E) s8.4.5 p46 LAN designated IS								

	`Designated Routers and Pseudonodes`
	`An L2 IS becomes an L2 Designated IS,it shall transmit L2`
	`pseudonode LSP`								

	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-8.6 **MUST**	ISO/IEC 10589:1992(E) s8.4.5 p47 LAN designated ISs								

	`Designated Routers and Pseudonodes`
	`An L2 IS shall transmit L2 LAN IIHs with the LAN ID field set to the`
	`LAN ID of the designated L2 IS`								

	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-9.1 **MUST**	ISO/IEC 10589:1992(E) s8.4.2.1 p44 IIH PDU Acceptance Tests RFC 1195 s3.9 p25 Authentication								

	`Acceptance Tests`
	`If authentication is enabled on a circuit and the received L1 LAN IIH`
	`doesn"t contain the authentication information field, the L1 IS shall`
	`discard the PDU`								

	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: pass	FreeBSD 10.3: pass
ANVL-ISISV6-9.2 **MUST**	ISO/IEC 10589:1992(E) s8.4.4 p46 Transmission of LAN IIH PDUs RFC 1195 s3.9 p25 Authentication								

	`Acceptance Tests`
	`An L1 IS will include authentication information of type Password`
	`containing the circuitTransmitPassword as the authentication value in`
	`its L1 LAN IIH PDU if authentication is enabled on the circuit`								

	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass

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ANVL-ISISV6-9.3 **MUST**	ISO/IEC 10589:1992(E) s8.4.2.1 p45 IIH PDU Acceptance Tests RFC 1195 s3.9 p25 Authentication								
	Acceptance Tests If authentication is enabled on a circuit and the received L1 LAN IIH contains authentication information of type Password, and if this Password matches any of the circuitReceivePasswords, then the L1 IS accepts the PDU								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-9.4 **MUST**	ISO/IEC 10589:1992(E) s8.4.2.1 p45 IIH PDU Acceptance Tests RFC 1195 s3.9 p25 Authentication								
	Acceptance Tests If authentication is enabled on a circuit and the received L1 LAN IIH contains authentication information of type Password, and if this Password does not match any of the circuitReceivePasswords, then the L1 IS discards the PDU								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: pass	FreeBSD 10.3: pass
ANVL-ISISV6-9.5 **MUST**	ISO/IEC 10589:1992(E) s8.4.2.1 p45 IIH PDU Acceptance Tests RFC 1195 s3.9 p25 Authentication								
	Acceptance Tests If authentication is enabled on a circuit and the received L1 LAN IIH contains authentication information of a type that the IS doesn"t implement, then the IS discards the PDU								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: pass	FreeBSD 10.3: pass
ANVL-ISISV6-10.1 **MUST**	ISO/IEC 10589:1992(E) s8.4.2.1 p45 IIH PDU Acceptance Tests RFC 1195 s3.9 p25 Authentication								
	Authentication If authentication is enabled on a circuit and the received L2 LAN IIH doesn"t contain the authentication information field, the L2 IS shall discard the PDU								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: pass	FreeBSD 10.3: pass
ANVL-ISISV6-10.2 **MUST**	ISO/IEC 10589:1992(E) s8.4.4 p46 Transmission of LAN IIH PDUs RFC 1195 s3.9 p25 Authentication								
	Authentication An L2 IS will include authentication information of type Password containing the circuitTransmitPassword as the authentication value in its L2 LAN IIH PDU if authentication is enabled on the circuit								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass

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ANVL-ISISV6-10.3 **MUST**	ISO/IEC 10589:1992(E) s8.4.2.1 p45 IIH PDU Acceptance Tests RFC 1195 s3.9 p25 Authentication								
	Authentication If authentication is enabled on a circuit and the received L2 LAN IIH contains authentication information of type Password, and if this Password matches any of the circuitReceivePasswords, then the L2 IS accepts the PDU								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-10.4 **MUST**	ISO/IEC 10589:1992(E) s8.4.2.1 p45 IIH PDU Acceptance Tests RFC 1195 s3.9 p25 Authentication								
	Authentication If authentication is enabled on a circuit and the received L2 LAN IIH contains authentication information of type Password, and if this Password does not match any of the circuitReceivePasswords, then the L2 IS discards the PDU								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: pass	FreeBSD 10.3: pass
ANVL-ISISV6-10.5 **MUST**	ISO/IEC 10589:1992(E) s8.4.2.1 p45 IIH PDU Acceptance Tests RFC 1195 s3.9 p25 Authentication								
	Authentication If authentication is enabled on a circuit and the received L2 LAN IIH contains authentication information of a type that the IS doesn"t implement, then the IS discards the PDU								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: pass	FreeBSD 10.3: pass
ANVL-ISISV6-11.1 **MUST**	ISO/IEC 10589:1992(E) s7.3.2 p19-p20 Generation of local link state information								
	Generation of Local Link State Information The update process is responsible for generating Link State PDUs under the following circumtances. - Upon Timer Expiration (LSPGenerationTimer)								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-11.2 **MUST**	ISO/IEC 10589:1992(E) s7.3.5 p21 Periodic LSP Generation								
	Generation of Local Link State Information The Intermediate System shall regenerate every LSP at intervals of atmost maximum LSPGeneration interval								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-11.3 **MUST**	ISO/IEC 10589:1992(E) s7.3.5 p21 Periodic LSP Generation								
	Generation of Local Link State Information The Intermediate System shall regenerate every LSP at intervals of atmost maximum LSPGeneration interval								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass

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ANVL-ISISV6-11.4 **SHOULD**	ISO/IEC 10589:1992(E) s7.3.16.1 p29 Sequence number								
	Generation of Local Link State Information When the sequence number reaches the Sequence Modulus, the routing module should be disabled for a period of at least MaxAge + ZeroAgeLifetime								
	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL
ANVL-ISISV6-11.5 **MUST**	ISO/IEC 10589:1992(E) s7.3.16.3-4 p29 Remaining LifeTime Field & LSP Expiration synchronization								
	Generation of Local Link State Information If the Remaining LifeTime field of the received LSP is zero the system shall purge that LSP from its database and synchronizes by flooding an expired LSP								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-11.6 **MUST**	ISO/IEC 10589:1992(E) s7.3.16.3-4 p29 Remaining LifeTime Field & LSP Expiration synchronization								
	Generation of Local Link State Information If the Remaining LifeTime field of the received LSP is zero the system shall purge that LSP from its database and synchronizes by flooding an expired LSP								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-11.7 **MUST**	ISO/IEC 10589:1992(E) s7.3.2 p19-p20 Generation of local link state information								
	Generation of Local Link State Information The update process is responsible for generating Link State PDUs under the following circumtances. - Upon Timer Expiration (LSPGenerationTimer)								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-11.8 **SHOULD**	ISO/IEC 10589:1992(E) s7.3.16.1 p29 Sequence number								
	Generation of Local Link State Information When the sequence number reaches the Sequence Modulus, the routing module should be disabled for a period of at least MaxAge + ZeroAgeLifetime								
	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL
ANVL-ISISV6-17.2 **MUST**	ISO/IEC 10589:1992(E) S7.3.4 P21 Multiple LSPs								
	Multiple LSPs If an LSP becomes empty because of all the adjacencies reported in that LSP no longer exists, an IS may purge that LSP instead of re-issuing it								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass

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ANVL-ISISV6-17.5 **MUST**	ISO/IEC 10589:1992(E) s7.2.8.1 p15 Computing routes through overloaded Intermediate systems								
	Multiple LSPs The Decision Process shall not utilise a link to an Intermediate system neighbour from an IS whose LSPs have the LSP Data-base Overload indication set.								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-17.8 **MUST**	ISO/IEC 10589:1992(E) S7.3.4 P21 Multiple LSPs								
	Multiple LSPs If an LSP becomes empty because of all the adjacencies reported in that LSP no longer exists, an IS may purge that LSP instead of re-issuing it								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-17.11 **MUST**	ISO/IEC 10589:1992(E) s7.2.8.1 p15 Computing routes through overloaded Intermediate systems								
	Multiple LSPs The Decision Process shall not utilise a link to an Intermediate system neighbour from an IS whose LSPs have the LSP Data-base Overload indication set.								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-17.13 **MUST**	RFC 5308, s2, p2 IPv6 Reachability TLV								
	Multiple LSPs The external bit in IPv6 Reachability TLV must be set to 0 to indicate internal metric								
	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL
ANVL-ISISV6-17.14 **MUST**	RFC 5308, s2, p2 IPv6 Reachability TLV								
	Multiple LSPs The external bit in IPv6 Reachability TLV must be set to 0 to indicate internal metric								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-17.15 **MUST**	RFC 5308, s2, p3 IPv6 Reachability TLV								
	Multiple LSPs If a prefix is advertised with a metric larger than MAX_V6_PATH_METRIC (0xFE000000), this prefix MUST not be considered during the normal SPF computation.								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass

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ANVL-ISISV6-18.1 **MUST**	ISO/IEC 10589:1992(E) S7.2.5 P14 Multiple LSPs for the same system								
	Propagation of LSPs The following information shall be taken only from LSP with LSP number zero and disregarded if the LSP number is non-zero 1. The setting of the LSP Database Overload bit 2. The value of the IS Type field 3. The Area Addresses option field								
	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL
ANVL-ISISV6-18.2 **MUST**	ISO/IEC 10589:1992(E) S7.3 P19 Update process								
	Propagation of LSPs The update process is responsible for generating and propagating Link State information reliably throughout the routing domain								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-18.3 **MUST**	ISO/IEC 10589:1992(E) S7.3.2 P19-20 Generation of local link state " information								
	Propagation of LSPs The update process is responsible for generating Link State PDUs under the following circumstances: - When notified by the subnetwork dependent functions of an adjacency database change								
	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL
ANVL-ISISV6-18.4 **MUST**	ISO/IEC 10589:1992(E) S7.3.8 P22 Generation of level 1 pseudonode LSPs								
	Propagation of LSPs The Area Addresses option will not be present when an IS generates a level 1 Link State PDU on behalf of pseudonode								
	Ubuntu 16.04: pass	Ubuntu 16.04: unpredict	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: unpredict	Ubuntu 16.04: unpredict	Ubuntu 16.04: pass	Ubuntu 16.04: unpredict	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict
ANVL-ISISV6-18.5 **MUST**	ISO/IEC 10589:1992(E) S7.3.15.1 P24-25 Action on receipt of Link state PDU								
	Propagation of LSPs If this is a level 1 LSP and the Maximum Area Address field is not equal to the value of the ISs Maximum Area Address then the PDU shall be discarded								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-18.6 **MUST**	ISO/IEC 10589:1992(E) s7.3.14.1 p23 Propagation of LSPs								
	Propagation of LSPs Duplicate PDUs are detected and dropped								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass

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ANVL-ISISV6-18.7	ISO/IEC 10589:1992(E) s7.3.14.2 p24 Propagation of LSPs								
MUST	Propagation of LSPs Level 1 Link State PDUs shall be propagated on circuits, which have at least one Level 1 adjacency								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-18.8	ISO/IEC 10589:1992(E), s7.3.14.2, p24, Propagation of LSPs								
MUST	Propagation of LSPs When propagating a L1 LSP on a broadcast subnetwork, the IS shall transmit to the multi-destination Address AllL1IS.								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-18.9	ISO/IEC 10589:1992(E) s7.3.14.2 p24 Propagation of LSPs								
MUST	Propagation of LSPs When an Intermediate System receives a LSP older than the one stored in the database, the stored link state PDU needs to be sent on the link from which the older one was received								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict
ANVL-ISISV6-18.10	ISO/IEC 10589:1992(E) S7.3.16.3 P29 Remaining Lifetime Field								
MUST	Propagation of LSPs When the source generates a link state PDU,it shall set the Remaining Lifetime to MaxAge. Before transmitting a link state PDU to a neighbour, a system shall decrement the Remaining Lifetime								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-18.12	RFC 1195 S3.1 P15 Exchange of routing information								
MUST	Propagation of LSPs Level 1 routers need to know what IP address are reachable from each level 1 router in their area								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict
ANVL-ISISV6-18.13	RFC 1195 S3.7 P24 IP-Only Operation								
MUST	Propagation of LSPs Some of the VARIABLE LENGTH fields from IS-IS link packet must be omitted for IP only routers - The End System Neighbours entries are omitted - The Prefix Neighbours entries are omitted								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass

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ANVL-ISISV6-19.1 **MUST**	ISO/IEC 10589:1992(E) S7.2.5 P14 Multiple LSPs for the same system								
	Multiple LSPs for the Same System The following information shall be taken only from LSP with LSP number zero and disregarded if the LSP number is non-zero 1. The setting of the LSP Database Overload bit 2. The value of the IS Type field 3. The Area Addresses option field								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-19.2 **MUST**	ISO/IEC 10589:1992(E) S7.3 P19 Update process								
	Multiple LSPs for the Same System The update process is responsible for generating and propagating Link State information reliably throughout the routing domain								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-19.3 **MUST**	ISO/IEC 10589:1992(E) S7.3.2 P19-20 Generation of local link state " information								
	Multiple LSPs for the Same System The update process is responsible for generating Link State PDUs under the following circumstances: - When notified by the subnetwork dependent functions of an adjacency database change								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-19.4 **MUST**	ISO/IEC 10589:1992(E) S7.3.8 P22 Generation of level 2 pseudonode LSPs								
	Multiple LSPs for the Same System The Area Addresses option will not be present when an IS generates a level 2 Link State PDU on behalf of pseudonode								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-19.5 **MUST**	ISO/IEC 10589:1992(E) S7.3.15 P24-25 Action on receipt of Link state PDU								
	Multiple LSPs for the Same System If this is a level 2 LSP and the Maximum Area Address field is not equal to the value of the ISs Maximum Area Address then the PDU shall be discarded								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-19.6 **MUST**	ISO/IEC 10589:1992(E) s7.3.14.1 p23 Propagation of LSPs								
	Multiple LSPs for the Same System Duplicate PDUs are detected and dropped								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass

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ANVL-ISISV6-19.7 **MUST**	ISO/IEC 10589:1992(E) s7.3.14.2 p24 Propagation of LSPs								

	`Multiple LSPs for the Same System`
	`Level 2 Link State PDUs shall be propagated on circuits, which have`
	`at least one Level 2 adjacency`								

	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-19.8 **MUST**	ISO/IEC 10589:1992(E), s7.3.14.2, p24, Propagation of LSPs								

	`Multiple LSPs for the Same System`
	`When propagating a L2 LSP on a broadcast subnetwork, the IS shall`
	`transmit to the multi-destination Address AllL2IS.`								

	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-19.9 **MUST**	ISO/IEC 10589:1992(E) s7.3.14.2 p24 Propagation of LSPs								

	`Multiple LSPs for the Same System`
	`When an Intermediate System receives a LSP older than the`
	`one stored in the database, the stored link state PDU needs to`
	`be sent on the link form which the older one was received`								

	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict
ANVL-ISISV6-19.10 **MUST**	ISO/IEC 10589:1992(E) s7.3.15.1 p24 Action on receipt of a link state PDU								

	`Multiple LSPs for the Same System`
	`If the ID Length of the PDU is not equal to the value of the`
	`ISs routingDomainISLength, the PDU shall be discarded`								

	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-19.11 **MUST**	ISO/IEC 10589:1992(E) S7.3.16.3 P29 Remaining Lifetime Field								

	`Multiple LSPs for the Same System`
	`When the source generates a link state PDU, it shall set the Remaining`
	`Lifetime to MaxAge. Before transmitting a link state PDU to a neighbour,`
	`a system shall decrement the Remaining Lifetime`								

	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-19.13 **MUST**	RFC 1195 S3.2 P17 Exchange of routing information								

	`Multiple LSPs for the Same System`
	`Level 2 routers need to know what IP address are reachable from`
	`each level 2 router in their area`								

	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL
	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict

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ANVL-ISISV6-19.14 **MUST**	RFC 1195 S3.7 P25 IP-Only Operation								
	Multiple LSPs for the Same System Some of the VARIABLE LENGTH fields from IS-IS link packet must be omitted for IP only routers - The End System Neighbours entries are omitted - The Prefix Neighbours entries are omitted								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-20.1 **MUST**	ISO/IEC 10589:1992(E) s7.3.16.1 p28 sequence numbers								
	Sequence Numbers When a system initializes, it shall start with sequence number with 1 for its own Link State PDUs:								
	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL
ANVL-ISISV6-20.2 **SHOULD**	ISO/IEC 10589:1992(E) s7.3.16.1 p28 sequence numbers								
	Sequence Numbers The sequence number of any actually generated Link State PDU should not be zero								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-20.3 **MUST**	ISO/IEC 10589:1992(E) s7.3.16.1 p29 sequence numbers								
	Sequence Numbers Update sequence number depending on the sequence number received from system in the domain								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-20.4 **MUST**	ISO/IEC 10589:1992(E) s7.3.16.2 p29 LSP confusion								
	Sequence Numbers If the sequence numbers match, but checksums do not and the LSP is not generated by the local system, then store the LSP with zero Remaining Lifetime, and flood the LSP								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict
ANVL-ISISV6-21.1 **MUST**	ISO/IEC 10589:1992(E) s7.3.16.1 p28 sequence numbers								
	LSP Confusion When a system initializes, it shall start with sequence number with 1 for its own Link State PDUs								
	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL

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ANVL-ISISV6-21.2 **SHOULD**	ISO/IEC 10589:1992(E) s7.3.16.1 p29 sequence numbers								
	LSP Confusion The sequence number of any actually generated Link State PDU should not be zero:								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-21.3 **MUST**	ISO/IEC 10589:1992(E) s7.3.16.1 p29 sequence numbers								
	LSP Confusion Update sequence number depending on the sequence number received from system in the domain								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-21.4 **MUST**	ISO/IEC 10589:1992(E) s7.3.16.2 p29 LSP confusion								
	LSP Confusion If the sequence numbers match, but checksums do not and the LSP is not generated by the local system, then store the LSP with zero Remaining Lifetime, and flood the LSP								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict
ANVL-ISISV6-22.3 **MUST**	ISO/IEC 10589:1992(E), s7.3.17, p30, Making the update reliable								
	Making the Update Reliable I On broadcast links, Designated Intermediate System shall periodically multicast Complete Sequence Number Packet instead of explicit acknowledgement for each Link State Packet that it received								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-22.4 **MUST**	ISO/IEC 10589:1992(E), s7.3.17, p30, Making the update reliable								
	Making the Update Reliable I On broadcast links, Designated Intermediate System shall periodically multicast Complete Sequence Number Packet instead of explicit acknowledgement for each Link State Packet that it received								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict
ANVL-ISISV6-24.1 **MUST**	ISO/IEC 10589:1992(E) s7.3.19.1 p31 Entering the waiting state								
	Entering the Waiting State When an LSP cannot be stored, the LSP shall be ignored and waiting State will be entered								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass

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ANVL-ISISV6-24.2 **MUST**	ISO/IEC 10589:1992(E) s7.3.19.1 p31 Entering the waiting state								

	`Entering the Waiting State`
	`When an LSP cannot be stored, the LSP shall be ignored and waiting`
	`State will be entered`								

	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-25.2 **SHOULD**	RFC3719 Section 2.1 Page 3 " MaxAge"								

	`ISISUpdate - RFC 3719`
	`MaxAge SHOULD exceed maximumLSPGenerationInterval by atleast 300 seconds`
	`Note: Verify the RemainingLifeTime of the Packet`								

	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL
ANVL-ISISV6-25.3 **MAY**	RFC3719 Section 2.2 Page 4 " ISISv6HoldingMultiplier"								
	`ISISUpdate - RFC 3719` `An implementation MAY allow ISISv6HoldingMultiplier to be configurable.`								
	Ubuntu 16.04: pass	Ubuntu 16.04: unpredict	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: unpredict	Ubuntu 16.04: unpredict	Ubuntu 16.04: unpredict
	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-25.4 **MUST**	RFC3719 Section 3.1 Page 4 " ID Length"								
	`ISISUpdate - RFC 3719` `An implementation MUST use an ID Length of 6.`								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-25.5 **MUST**	RFC3719 Section 3.1 Page 4 " ID Length"								

	`ISISUpdate - RFC 3719`
	`If a router encounters a PDU with an ID Length different from 0 or 6,`
	`section 7.3.15.a.2 dictates that it MUST discard the PDU`								

	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: pass	FreeBSD 10.3: pass
ANVL-ISISV6-25.6 **SHOULD**	RFC3719 Section 3.2 Page 5 "maximumAreaAddresses"								
	`ISISUpdate - RFC 3719` `An implementation SHOULD use the value 3.`								
	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL
ANVL-ISISV6-25.7 **MUST**	RFC3719 Section 3.2 Page 5 " maximumAreaAddresses"								

	`ISISUpdate - RFC 3719`
	`If a router receives a PDU with maximumAreaAddresses that is not 0 or 3,`
	`it MUST discard the PDU, as described in section 7.3.15.a.3`								

	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: pass	FreeBSD 10.3: pass

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ANVL-ISISV6-25.8 **MUST**	RFC3719 Section 3.3 Page 5 " Protocol Version"								
	ISISUpdate - RFC 3719 If a router receives a PDU with a value other than 1 for either field, it MUST drop the packet. Note: Verify the Version field								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-25.9 **MUST**	RFC3719 Section 3.3 Page 5 " Protocol Version"								
	ISISUpdate - RFC 3719 If a router receives a PDU with a value other than 1 for either field, it MUST drop the packet. Note: Verify the Version/Protocol ID field								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-25.23 **MUST**	RFC3719 Section 11 Page 11 "Doppelganger LSPs"								
	ISISUpdate - RFC 3719 A complete set of CSNPs is a set whose Start LSPID and End LSPID ranges cover the complete possible range of LSPIDs. (i.e., there is no possible LSPID value which does not appear within the range of one of the CSNPs in the set).								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-26.1 **MUST**	RFC1195, s3.2, p17 Hierarchical Abbreviation of IP Reachability Information								
	Hierarchical Abbreviation of IP Reachability Information Any address obtained from a level 1 LSP which is NOT superceded by the manually configured information is included in the level 2 LSPs								
	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL
ANVL-ISISV6-26.2 **MUST**	RFC1195, s3.2, p17 Hierarchical Abbreviation of IP Reachability Information								
	Hierarchical Abbreviation of IP Reachability Information Any address obtained from a level 1 LSP which is NOT superceded by the manually configured information is included in the level 2 LSPs (Note: This test checks whether the address is not included when it is superceeded)								
	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL
ANVL-ISISV6-26.3 **MUST**	RFC 5308, s2, p2 IPv6 Reachability TLV								
	Hierarchical Abbreviation of IP Reachability Information If a prefix is redistributed from a higher level to a lower level (e.g., Level 2 to Level 1), the up/down bit is set to 1.								
	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL

	Release 2.0	3.0-dev 2017-04-25	3.0-dev 2017-05-24	3.0-dev 2017-06-30	Release 3.0-rc1	Master 2017-08-16	Master 2017-08-24	Master 2017-09-08	Release 3.0-rc2
ANVL-ISISV6-28.2 **SHOULD**	RFC3719 Section 2.1 Page 3 " MaxAge"								
	ISISUpdate - RFC 3719 Part 2 MaxAge SHOULD exceed maximumLSPGenerationInterval by atleast 300 seconds Note: Verify the RemainingLifeTime of the Packet								
	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL
ANVL-ISISV6-28.3 **MAY**	RFC3719 Section 2.2 Page 4 " ISISv6HoldingMultiplier"								
	ISISUpdate - RFC 3719 Part 2 An implementation MAY allow ISISv6HoldingMultiplier to be configurable.								
	Ubuntu 16.04: unpredict	Ubuntu 16.04: unpredict	Ubuntu 16.04: unpredict	Ubuntu 16.04: pass	Ubuntu 16.04: unpredict	Ubuntu 16.04: unpredict	Ubuntu 16.04: unpredict	Ubuntu 16.04: unpredict	Ubuntu 16.04: pass
	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict
ANVL-ISISV6-28.4 **MUST**	RFC3719 Section 3.1 Page 4 " ID Length"								
	ISISUpdate - RFC 3719 Part 2 An implementation MUST use an ID Length of 6.								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-28.5 **MUST**	RFC3719 Section 3.1 Page 4 " ID Length"								
	ISISUpdate - RFC 3719 Part 2 If a router encounters a PDU with an ID Length different from 0 or 6, section 7.3.15.a.2 dictates that it MUST discard the PDU								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: pass	FreeBSD 10.3: pass
ANVL-ISISV6-28.8 **MUST**	RFC3719 Section 3.3 Page 5 " Protocol Version"								
	ISISUpdate - RFC 3719 Part 2 If a router receives a PDU with a value other than 1 for either field, it MUST drop the packet. Note: Verify the Version field								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass
ANVL-ISISV6-28.9 **MUST**	RFC3719 Section 3.3 Page 5 " Protocol Version"								
	ISISUpdate - RFC 3719 Part 2 If a router receives a PDU with a value other than 1 for either field, it MUST drop the packet. Note: Verify the Version/Protocol ID field								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass

	Release 2.0	3.0-dev 2017-04-25	3.0-dev 2017-05-24	3.0-dev 2017-06-30	Release 3.0-rc1	Master 2017-08-16	Master 2017-08-24	Master 2017-09-08	Release 3.0-rc2
ANVL-ISISV6-28.23	RFC3719 Section 11 Page 11 "Doppelganger LSPs"								

MUST	`ISISUpdate - RFC 3719 Part 2`
	`A complete set of CSNPs is a set whose Start LSPID and End`
	`LSPID ranges cover the complete possible range of LSPIDs.`
	`(i.e., there is no possible LSPID value which does not appear`
	`within the range of one of the CSNPs in the set).`								

	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass