



	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14
Туре	FRR	FRR	FRR	FRR	FRR	FRR	FRR	FRR	FRR
Commit ID	3e71b5d	f633dc2	36a7e78	30283fd	5dff4ec	7c0c85a	5b8b08d	7a377a1	6ca96cc
Commit Date	2017-04-02	2017-10-14	2017-11-08	2017-11-08	2018-01-09	2018-01-17	2018-02-07	2018-03-12	2018-03-15
ANVL-ISISV6-1.1	ISO/IEC 10589:19	92(E)s9.5 p49 Level	1 LAN IS to IS hello	PDU					
MUST	Level 1 LAN 1 1. Intra-doma 2. PDU type	rotocol ID ext	PDU must hav		13				
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested
ANVL-ISISV6-1.2	ISO/IEC 10589:199	92(E)s9.5 p49 Level	1 LAN IS to IS hello	PDU					
MUST	Bit 6-8 of Pi Reserved/Circ	IS to IS Hello DU Type (5th o cuit Type (9th ch are always	octet), Reserv n octet) and 8	th bit of Pri					
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14			
ANVL-ISISV6-1.3	ISO/IEC 10589:19	92(E)s9.5 p49 Level	1 LAN IS to IS hello	PDU								
MUST	The valid ID 1. An Integent the correspond 2. The Value	r between 1 ar nding length zero, which i	o PDU shall take and 8, inclusiv indicates a si eans a null ID	re, indicating .x octet ID, f	an ID field	of						
	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested			
ANVL-ISISV6-1.4	ISO/IEC 10589:199	92(E)s9.5 p49-50 Le	vel 1 LAN IS to IS he	ello PDU								
MUST		IS to IS Hello el 1 IIH the (o PDU Circuit Type m	nust 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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested			
ANVL-ISISV6-1.5	RFC 1195 s5.3.1 p	37-38 Level 1 LAN I IPv6 Reachability T		PDU								
	The valid Coo of Level 1 L Area Address	AN IS to IS he on Information pported	be present in ello PDU are:	the VARIABLE	LENGTH 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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested			





	Release	Release	Release	Release	Release	Master	Master	Release	Master
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14
ANVL-ISISV6-1.6		2 Maintaining Router of IP-specific Inform							
MUST	The Protocol	IS to IS Hello supported fice by IP-only ro	eld must be pr	resent in all	IS-IS Hello				
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	pass	pass	pass	pass	pass	pass	pass	pass	pass
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	pass	pass	pass	pass	pass	pass	pass	pass	untested
ANVL-ISISV6-1.7	NEGATIVE : RFC	1195 s4.4 p32 Maint	aining Router Adjace	encies					
MUST	The Protocol	IS to IS Hello Supported fie by IP-only ro	eld must be pr	resent in all	IS-IS Hello				
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	pass	pass	pass	pass	pass	pass	pass	pass	pass
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	pass	pass	pass	pass	pass	pass	pass	pass	untested
ANVL-ISISV6-1.8	ISO/IEC 10589:199	92(E)s9.6 p51 Level	2 LAN IS to IS hello	PDU					
MUST	Level 2 LAN : 1. Intra-doma 2. PDU type :	rotocol ID ext	PDU must hav		3				
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	pass	pass	pass	pass	pass	pass	pass	pass	pass
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	pass	pass	pass	pass	pass	pass	pass	pass	untested





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14			
ANVL-ISISV6-1.9	ISO/IEC 10589:199	92(E)s9.6 p51 Level	2 LAN IS to IS hello	PDU				-				
MUST	Bit 6-8 of Pl Reserved/Circ	cuit Type (9th	octet), Reserv	ved (7th octet Bth bit of Pri In Level 2 LAN	ority are							
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested			
ANVL-ISISV6-	ISO/IEC 10589:199	O/IEC 10589:1992(E)s9.6 p51 Level 2 LAN IS to IS hello PDU										
MUST	The valid ID 1. An Integer the correspond 2. The Value	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested			
ANVL-ISISV6-	ISO/IEC 10589:199	92(E)s9.6 p51 Level	2 LAN IS to IS hello	PDU								
1.11 MUST		IS to IS Hello el 2 IIH the 0	-	nust 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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested			





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14				
ANVL-ISISV6- 1.12 MUST	RFC 1195 s5.3.2 p	92(E)s9.6 p51-52 Le 38-39 Level 2 LAN I IPv6 Reachability TI ddress TLV	S to IS hello PDU	ello PDU									
	The valid Coo of Level 2 L Area Address Protocols Su	tocols Supported 6 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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				
ANVL-ISISV6- 1.13		2 Maintaining Router of IP-specific Inform											
MUST	The Protocol	IS to IS Hello supported fie by IP-only ro	eld must be pr	resent in all	IS-IS Hello								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				
ANVL-ISISV6-	NEGATIVE : RFC	1195 s4.4 p32 Maint	aining Router Adjace	encies									
1.14 MUST	The Protocol	IS to IS Hello Supported fie by IP-only ro	eld must be pr	resent in all	IS-IS Hello								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14			
ANVL-ISISV6- 1.19	RFC 1195 s3.1 p19 RFC 5308 s4 p4 IF	5 Exchange of Routi Pv6 NLPID	ng information									
MUST	IP capable re	IS to IS Hello outers need to other routers	know what ne	etwork layer p ea	rotocols are							
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested			
ANVL-ISISV6- 1.20		1 Multiple IP Addres Pv6 Interface Addres										
MUST	Each interfactransmitted We necessari	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested			
ANVL-ISISV6- 1.21	RFC 1195 s3.1 p1: RFC 5308 s4 p4 IF	5 Exchange of Routi Pv6 NLPID	ng information									
MUST	IP capable re	IS to IS Hello outers need to other routers	know what ne	etwork layer p	rotocols are							
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3: untested			





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14		
ANVL-ISISV6- 1.22		1 Multiple IP Addres Pv6 Interface Addres									
MUST	Each interfactransmitted We necessari	can have maxir ly modify the	ing to the SNI num of 15 IPv6 contents to 1	PA over which addresses be 0-15 16 oct interface add	et IPv6 inter	face					
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested		
ANVL-ISISV6- 1.23		NEGATIVE :RFC 1195 s4.2 p31 Multiple IP Addresses per Interface RFC 5308 s3 p3 IPv6 Interface Address TLV									
MUST	Each Interface PDU is transi We necessari	mitted can hav ly modify the	ing to the SNI re a maximum of contents to b	PA over which of 15 IPv6 Add oe 0-15 16 oct interface add	resses et IPv6 inter	face					
	Ubuntu 16.04: pass	Ubuntu 16.04: unpredict	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: unpredict	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: unpredict	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: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested		
ANVL-ISISV6- 1.24		195 s4.2 p31 Multip Pv6 Interface Addres		Interface							
MUST	Each Interface PDU is transi We necessari	mitted can hav ly modify the	ing to the SNI re a maximum of contents to b	PA over which of 15 IPv6 Add oe 0-15 16 oct interface add	resses et IPv6 inter	face					
	Ubuntu 16.04: pass	Ubuntu 16.04: unpredict	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: unpredict	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: unpredict	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: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested		





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14			
ANVL-ISISV6-	RFC 5308 s3 p4 IF	Pv6 Interface Addres	s TLV									
1.25 MUST	For LSPs the	IS to IS Hello "Interfaces <i>I</i> al IPv6 addres	Address" TLVs		only the							
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested			
ANVL-ISISV6-	RFC 5308 s3 p4 IF	C 5308 s3 p4 IPv6 Interface Address TLV										
1.26 MUST	For LSPs the	LI LAN IS to IS Hello PDU LSPs the "Interfaces Address" TLVs MUST contain only the -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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested			
ANVL-ISISV6-2.1	ISO/IEC 10589:19	92(E) s9.8 p54 Level	1 LSPDU									
MUST	Discriminato:	U e level 1 LSP r = 0x83, PDU = 1 and Versio	Type = 18, Ve	ersion/Protoco	l ID extension	n						
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3: untested			





	Release	Release	Release	Release	Release	Master	Master	Release	Master				
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14				
ANVL-ISISV6-2.2	ISO/IEC 10589:19	92(E) s9.8 p54 Leve	1 Link State PDU										
MUST	Bit 6-8 of P	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:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				
ANVL-ISISV6-2.3	ISO/IEC 10589:19	SO/IEC 10589:1992(E) s9.8 p54-55 Level 1 Link State PDU											
MUST	values: 1. An intege: coresponding 2. The value	ne valid ID Length field shall take any one of these following											
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				
ANVL-ISISV6-2.4 MUST	RFC 1195 s5.3.4,	92(E) s9.8 p54-55 Lop40-43 Level 1 Link IPv6 Reachability T ddress TLV	State PDU	U									
	of level 1 l Area Address Intermediate Protocols Su												
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	untested				





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14				
ANVL-ISISV6-	ISO/IEC 10589:199	ISO/IEC 10589:1992(E) s9.9 p57 Level 2 LSPDU											
2.11 MUST	Level 1 LSPD Test that the Discriminator octet) = 1 ar												
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				
ANVL-ISISV6-	ISO/IEC 10589:199	ISO/IEC 10589:1992(E) s9.9 p57 Level 2 Link State PDU											
2.12 MUST		U DU Type (5th o ch are always											
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				
ANVL-ISISV6-	ISO/IEC 10589:199	92(E) s9.9 p57 Level	2 Link State PDU										
2.13 MUST	values: 1. An intege: coresponding 2. The value	Length field r between 1 ar	nd 8 ,inclusiv	re, indicating	an 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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				





	Release	Release	Release	Release	Release	Master	Master	Release	Master				
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14				
ANVL-ISISV6- 2.14 MUST	RFC 1195 s5.3.5,p	92(E) s9.9 p57-59 Le 43-48 Level 2 Link S IPv6 Reachability TI ddress TLV	State PDU	U									
	of level 2 la Area Addresse Intermediate Protocols Su	ne valid codes that must be present in the VARIABLE LENGTH FIELD level 2 link state PDU are:											
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				
ANVL-ISISV6-	RFC 1195 S3.1 P1	5 Exchange of routing	ng information				•						
2.17 MUST		U es that any co re ignored and			are not								
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				
ANVL-ISISV6-	RFC 1195 S3.1 P1	5 Exchange of routing	ng information				-						
2.18 MUST		U es that any co re ignored and			are not								
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				





	Release	Release	Release	Release	Release	Master	Master	Release	Master		
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14		
ANVL-ISISV6-3.1	ISO/IEC 10589:19	92(E) s9.10 p60 Leve	el 1 complete seque	nce numbers PDU		-	-	-			
MUST	Level 1 comp	lete Sequence lete sequence criminator = (rd octet) = 1	number PDU mu)x83, PDU Type	e = 24, Versic	n/Protocol ID						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass	pass	pass	untested		
ANVL-ISISV6-3.2	ISO/IEC 10589:19	D/IEC 10589:1992(E) s9.10 p60 Level 1 Complete sequence number PDU									
MUST	Bit 6-8 of Pi	lete Sequence DU Type (5th o ch are always	octet) and Res			e					
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass	pass	pass	untested		
ANVL-ISISV6-3.3	ISO/IEC 10589:19	92(E) s9.10 p57 Lev	el 1 complete seque	ence numbers PDU							
MUST	The valid ID shall take as 1. An integer coresponding 2. The value	lete Sequence Length field ny one of thes r between 1 ar length zero, which is 255, which me	in a Level 1 se following vand 8, inclusivandicates a si	values: ve, indicating lx octet ID,fi	an ID field	of					
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass	pass	pass	untested		





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14				
ANVL-ISISV6-3.4	PDU	()	_evel 1 complete sed	'									
	The valid cool level 1 comp. 1. LSP Entrie	lete sequence	be present in numbers PDU a		LENGTH FIELD	of							
	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				
ANVL-ISISV6-3.5	ISO/IEC 10589:199 PDU	EC 10589:1992(E) s9.10 p61-62 Level 2 complete sequence numbers											
MUST	Level 2 compi	criminator = (Numbers PDU number PDU mu)x83, PDU Type and Version (e = 25, Versio	n/Protocol ID								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				
ANVL-ISISV6-3.6	ISO/IEC 10589:199	92(E) s9.11 p62 Lev	el 2 Complete seque	nce number PDU									
MUST	Bit 6-8 of Pl		Numbers PDU octet) and Res set to zero i			e							
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14			
ANVL-ISISV6-3.7	ISO/IEC10589:199	2(E) s9.11 p61-62 L	evel 2 complete seq	uence numbers PDL	J							
MUST	The valid ID shall take an 1. An integer coresponding 2. The value	lete Sequence Length field my one of thes r between 1 ar length zero, which me	in a Level 2 se following vad 8, inclusivandicates a si	ralues: re, indicating .x octet ID, f	an ID field	of						
	Ubuntu 16.04: passUbuntu 16.04: passUbuntu 16.04: passUbuntu 16.04: passUbuntu 16.04: passUbuntu 16.04: passUbuntu 16.04: passUbuntu 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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested			
ANVL-ISISV6-3.8	PDU	EC 10589:1992(E) s9.11 p62 Level 2 complete sequence numbers 1195 s5.3.7,p49 Level 2 complete sequence numbers PDU										
	The valid cool level 2 complete. LSP Entries	lete Sequence des that must lete sequence es ation Informat	be present in numbers PDU a		LENGTH FIELD	of						
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested			
ANVL-ISISV6-3.9	ISO/IEC 10589(E)	s9.12 p62-63 Level	1 partial sequence n	umbers PDU								
MUST	Level 1 parts	lete Sequence ial sequence r criminator=0x8 1 and Version	number PDU mus 33, PDU Type=2	6, Version/Pr	otocol ID ext							
	Ubuntu 16.04: passUbuntu 16.04: passUbuntu 16.04: passUbuntu 16.04: passUbuntu 16.04: passUbuntu 16.04: passUbuntu 16.04: passUbuntu 16.04: passUbuntu 16.04: pass											
	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: untested			





	Release	Release	Release	Release	Release	Master	Master	Release	Master				
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14				
ANVL-ISISV6-	ISO/IEC 10589:199	92(E) s9.12 p63 Lev	el 1 partial sequence	e number PDU									
3.10 MUST	Bit 6-8 of Pl		octet) and Res	served (7th oc in Level 1 par									
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	unpredict	pass	pass	pass	pass	unpredict	unpredict	pass	untested				
ANVL-ISISV6- 3.11	ISO/IEC 10589:1992(E) s9.12 p63 Level 1 partial sequence number PDU												
MUST	The valid ID values: 1. An integer coresponding 2. The value	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:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	unpredict	unpredict	unpredict	unpredict	unpredict	pass	untested				
ANVL-ISISV6- 3.12		92(E) s9.12 p63 Leve 49 Level 1 partial se											
MUST	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:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	unpredict	unpredict	unpredict	pass	pass	pass	pass	pass	untested				





	Release	Release	Release	Release	Release	Master	Master	Release	Master		
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14		
ANVL-ISISV6-	ISO/IEC 10589(E)	s9.12 p64-65 Level	2 partial sequence n	umbers PDU							
3.13 MUST	Level 2 parts	lete Sequence ial sequence r criminator=0x8 1 and Version	number PDU mus 33, PDU Type=2	27, Version/Pr	otocol ID ext						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	unpredict	unpredict	pass	pass	unpredict	pass	unpredict	pass	untested		
ANVL-ISISV6-	ISO/IEC 10589:1992(E) s9.12 p64 Level 2 partial sequence number PDU										
3.14 MUST	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:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	unpredict	pass	pass	unpredict	unpredict	unpredict	unpredict	pass	untested		
ANVL-ISISV6-	ISO/IEC 10589:199	92(E) s9.12 p64 Lev	el 2 partial sequence	e number PDU							
3.15 MUST	The valid ID values: 1. An integer coresponding 2. The value	lete Sequence Length field r between 1 ar length zero, which : 255,which mea	shall take and 8 ,inclusive indicates a si	re,indicating .x octet ID,fi	an ID field o	f					
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	unpredict	unpredict	pass	pass	pass	unpredict	pass	unpredict	untested		





	Release	Release	Release	Release	Release	Master	Master	Release	Master		
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14		
ANVL-ISISV6- 3.16			el 2 partial sequence equence number PDI								
MUST	The valid coolers level 2 parts 1. LSP Entrie	ial sequence r	be present in numbers PDU ar		LENGTH FIELD	of					
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	unpredict	unpredict	pass	unpredict	pass	unpredict	untested		
ANVL-ISISV6-4.1	ISO/IEC 10589:199	/IEC 10589:1992(E), s7.2.4, p14, Links									
MUST	Links IS discover neighbours and forms adjacencies by exchanging ISIS Hello PDUs.										
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass	pass	pass	untested		
ANVL-ISISV6-4.2	RFC 1195, s5.1, p3	33, Overview of ISIS	PDUs								
MUST	Links Hello packets neighbouring		initialize an	nd maintain ad	jacencies bet	ween					
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass	pass	pass	untested		





	Release	Release	Release	Release	Release	Master	Master	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14			
ANVL-ISISV6-4.3	ISO/IEC 10589:199	92(E), s8.4.2, p44, B	roadcast subnetwor	k IIH PDUs								
MUST	Links An L1 IS sha	ll transmit or	nly L1 LAN IIF	Is.								
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	pass	pass	pass	pass	pass	pass	pass	pass	pass			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	pass	pass	pass	pass	pass	pass	pass	pass	untested			
ANVL-ISISV6-4.4	ISO/IEC 10589:199	92(E), s8.4.2, p44, B	roadcast subnetwor	k IIH PDUs								
SHOULD		nt by L1 IS sh s of L1 IS ad		the manualAre	aAddresses an	d						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	pass	pass	pass	pass	pass	pass	pass	pass	pass			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	pass	pass	pass	pass	pass	pass	pass	pass	untested			
ANVL-ISISV6-4.5	ISO/IEC 10589:199	92(E), s8.4.2, p44, B	roadcast subnetwor	k IIH PDUs								
MUST	Links An L1 IS sha address AllL	ll transmit L1 1ISs.	L LAN IIHs to	the multi-des	tination							
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	pass	pass	pass	pass	pass	pass	pass	pass	pass			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	pass	pass	pass	pass	pass	pass	pass	pass	untested			
ANVL-ISISV6-4.6	ISO/IEC 10589:199	92(E), s8.4.2, p44, B	roadcast subnetwor	k IIH PDUs								
MUST	Links L1 ISs shall											
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	pass	pass	pass	pass	pass	pass	pass	pass	pass			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	pass	pass	pass	pass	pass	pass	pass	pass	untested			





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14			
ANVL-ISISV6-4.7	ISO/IEC 10589:199	92(E), s8.4.2, p44, B	roadcast subnetwor	k IIH PDUs								
MUST	Links L1 ISs shall destination a		l LAN IIH that	doesn"t have	the							
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested			
ANVL-ISISV6-4.8	ISO/IEC 10589:199	EC 10589:1992(E), s8.4.2.1, p44, IIH PDU acceptance tests										
SHOULD		Links If the IDLength of the L1 IIH is not equal to the value of the IS coutingDomainIDLength, 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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested			
ANVL-ISISV6-4.9		92(E), s8.4.2.2, p45, 92(E), s8.2.4.2, p38,										
SHOULD				do not match nould reject t	-							
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested			





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14		
ANVL-ISISV6- 4.10		92(E), s8.4.2.2, p45, 92(E), s8.2.4.2, p38,									
MUST		ved L1 IIHs an the manualArea				the					
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested		
ANVL-ISISV6- 4.11		92(E), s8.4.2.2, p45, 92(E), s8.2.4.2, p38,									
MUST	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested		
ANVL-ISISV6-	ISO/IEC 10589:19	92(E), s8.4.2.2, p45,	Receipt of L1 IIH PI	DUs							
4.12 MUST		s maximumArea <i>l</i> non matching r		•		all					
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested		





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14				
ANVL-ISISV6-	ISO/IEC 10589:19	92(E), s8.4.2.5.1, p4	5, New Adjacencies	-			-						
4.14 MUST		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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				
ANVL-ISISV6-	ISO/IEC 10589:19	92(E), s8.4.2.5.1, p4	5, New Adjacencies										
4.15 MUST	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				
ANVL-ISISV6-	ISO/IEC 10589:19	92(E), s8.4.2.5.2, p4	5, New Adjacencies										
4.16 MUST		ur is not hear m the database		Holding Time,	the L1 IS sh	all							
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				





	Release	Release	Release	Release	Release	Master	Master	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14			
ANVL-ISISV6-5.1	ISO/IEC 10589:19	92(E), s7.2.4, p14, L	inks									
MUST				encies by exch	anging							
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	pass	pass	pass	pass	pass	pass	pass	pass	pass			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	pass	pass	pass	pass	pass	pass	pass	pass	untested			
ANVL-ISISV6-5.2	RFC 1195, s5.1, p	RFC 1195, s5.1, p33, Overview of ISIS PDUs										
MUST				nd maintain ad	jacencies bet	ween						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	pass	pass	pass	pass	pass	pass	pass	pass	pass			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	pass	pass	pass	pass	pass	pass	pass	pass	untested			
ANVL-ISISV6-5.3	ISO/IEC 10589:19	92(E), s8.4.2, p44, B	roadcast subnetwor	k IIH PDUs								
MUST		onetwork IIH I ll transmit or		Is.								
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	pass	pass	pass	pass	pass	pass	pass	pass	pass			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	pass	pass	pass	pass	pass	pass	pass	pass	untested			
ANVL-ISISV6-5.4	ISO/IEC 10589:19	92(E), s8.4.2, p44, B	roadcast subnetwor	k IIH PDUs								
SHOULD	An L2 IIH se	onetwork IIH Int by L2 IS shows of L2 IS adj	nould contain	the manual Ar	ea Addresses	and						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	pass	pass	pass	pass	pass	pass	pass	pass	pass			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	pass	pass	pass	pass	pass	pass	pass	pass	untested			





	Release	Release	Release	Release	Release	Master	Master	Release	Master		
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14		
ANVL-ISISV6-5.5	ISO/IEC 10589:19	92(E), s8.4.2, p44, B	roadcast subnetwor	k IIH PDUs							
MUST		bnetwork IIH I ll transmit L2 2ISs.		the multi-des	tination						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass	pass	pass	untested		
ANVL-ISISV6-5.6	ISO/IEC 10589:19	92(E), s8.4.2, p44, B	roadcast subnetwor	k IIH PDUs							
MUST		bnetwork IIH H listen on the		nation address	AllL2ISs.						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass	pass	pass	untested		
ANVL-ISISV6-5.7	ISO/IEC 10589:19	92(E), s8.4.2, p44, B	roadcast subnetwor	k IIH PDUs							
MUST		bnetwork IIH I reject any L2 as AllL2ISs.		doesn"t have	the						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	untested		
ANVL-ISISV6-5.8	ISO/IEC 10589:199	92(E), s8.4.2.1, p44,	IIH PDU acceptance	e tests							
SHOULD	If the IDLen	coadcast Subnetwork IIH PDUs the IDLength of the L2 IIH is not equal to the value of the ISs utingDomainIDLength, it should be discarded.									
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass	pass	pass	untested		





	Release	Release	Release	Release	Release	Master	Master	Release	Master		
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14		
ANVL-ISISV6-5.9	ISO/IEC 10589:199	92(E), s8.4.2.5.1, p4	5, New Adjacencies								
MUST	When an L2 I	bnetwork IIH E S receives an generated by t	L2 LAN IIH fr		(R), then th	e					
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass	pass	pass	untested		
ANVL-ISISV6-	ISO/IEC 10589:199	92(E), s8.4.2.5.1, p4	5, New Adjacencies								
5.10 MUST	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:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass	pass	pass	untested		
ANVL-ISISV6-	ISO/IEC 10589:199	92(E), s8.4.2.5.2, p4	5, New Adjacencies								
5.11 MUST	If a neighbou	onetwork IIH I ur is not hear m the database	d within the	Holding Time,	the L2 IS sh	all					
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass	pass	pass	untested		





	Release	Release	Release	Release	Release	Master	Master	Release	Master		
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14		
ANVL-ISISV6-6.1	ISO/IEC 10589:199	92(E), s8.4.2, p44, B	roadcast subnetwor	k IIH PDUs							
MUST		st Subnetwork shall create ເ		cencies on rec	eipt of L1 an	d L2					
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	unpredict	unpredict	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	unpredict	pass	pass	pass	unpredict	pass	pass	untested		
ANVL-ISISV6-6.2	ISO/IEC 10589:19	0/IEC 10589:1992(E), s8.4.2, p44, Broadcast subnetwork IIH PDUs									
MUST		re Broadcast Subnetwork IIH PDUs L1/L2 IS shall transmit both L1 and L2 LAN IIHs.									
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass	pass	pass	untested		
ANVL-ISISV6-6.3	ISO/IEC 10589:19	92(E), s8.4.2, p44, B	roadcast subnetwor	k IIH PDUs							
MUST	An L1/L2 IS	st Subnetwork shall listen (L1 and L2 LAM	on the multi-d		dress AllL1IS	s and					
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	unpredict	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	unpredict	pass	pass	pass	pass	pass	pass	untested		
ANVL-ISISV6-6.4	ISO/IEC 10589:19	92(E), s8.4.2, p44, B	roadcast subnetwor	k IIH PDUs							
MUST	An L1/L2 IS	re Broadcast Subnetwork IIH PDUs L1/L2 IS shall reject any LAN IIH that doesn"t have the destination AllL1ISs or AllL2ISs.									
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	untested		





	Release	Release	Release	Release	Release	Master	Master	Release	Master
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14
ANVL-ISISV6-7.1		92(E) s7.2.3 p14 Bro Designated routers							
MUST			1 designated	IS is done by	verifying				
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	pass	pass	pass	pass	pass	pass	pass	pass	pass
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	pass	pass	pass	pass	pass	pass	pass	pass	untested
ANVL-ISISV6-7.2		92(E) s7.2.3 p14 Bro I Designated routers							
MUST			1 designated	IS is done by	verifying				
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	untested
ANVL-ISISV6-7.3		92(E) s7.2.3 p14 Bro Designated routers							
MUST				IS is done by address	verifying				
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	pass	pass	pass	pass	pass	pass	pass	pass	pass
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	pass	pass	pass	pass	pass	pass	pass	pass	untested





	Release	Release	Release	Release	Release	Master	Master	Release	Master				
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14				
ANVL-ISISV6-7.4	SO/IEC 10589:1992(E) s7.2.3 p14 Broadcast subnetwork RFC 1195 s4.3 p31 Designated routers and Pseudonodes												
MUST		onetwork cess of level ld in the IIH			verifying								
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	untested				
ANVL-ISISV6-7.5	ISO/IEC 10589:199	92(E) s8.4.5 p46 LAI	N designated IS										
MUST	An L1 IS beco	Broadcast Subnetwork An L1 IS becomes an L1 Designated IS, it shall transmit L1 pseudonode LSP											
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				
ANVL-ISISV6-7.6	ISO/IEC 10589:199	92(E) s8.4.5 p47 LAI	N designated ISs										
MUST		onetwork ll transmit L1 e designated I		th the LAN ID	field set to	the							
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				





	Release	Release	Release	Release	Release	Master	Master	Release	Master				
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14				
ANVL-ISISV6-8.1		92(E) s7.2.3 p14 Bro 1 Designated routers											
MUST	Election prod	outers and Pse cess of level ld in the IIH		IS is done by	verifying								
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				
ANVL-ISISV6-8.2		92(E) s7.2.3 p14 Bro 1 Designated routers											
MUST	Election prod	Designated Routers and Pseudonodes Election process of level 2 designated IS is done by verifying priority field in the IIH											
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	untested				
ANVL-ISISV6-8.3		92(E) s7.2.3 p14 Bro 1 Designated routers											
MUST	Election prod	outers and Pse cess of level ld in the IIH	2 designated	IS is done by	verifying								
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				





	Release	Release	Release	Release	Release	Master	Master	Release	Master				
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14				
ANVL-ISISV6-8.4		SO/IEC 10589:1992(E) s7.2.3 p14 Broadcast subnetwork RFC 1195 s4.3 p31 Designated routers and Pseudonodes											
MUST	Election prod	outers and Pse cess of level ld in the IIH	2 designated	IS is done by address	verifying								
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	untested				
ANVL-ISISV6-8.5	ISO/IEC 10589:199	92(E) s8.4.5 p46 LAI	N designated IS										
MUST	An L2 IS beco	Designated Routers and Pseudonodes An L2 IS becomes an L2 Designated IS,it shall transmit L2 Deseudonode LSP											
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				
ANVL-ISISV6-8.6	ISO/IEC 10589:199	92(E) s8.4.5 p47 LAI	N designated ISs										
MUST	An L2 IS sha	outers and Pse ll transmit L2 e designated I	2 LAN IIHs wit	th the LAN ID	field set to	the							
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14				
ANVL-ISISV6-9.1		ISO/IEC 10589:1992(E) s8.4.2.1 p44 IIH PDU Acceptance Tests RFC 1195 s3.9 p25 Authentication											
MUST	If authentica doesn"t conta	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				
ANVL-ISISV6-9.2		SO/IEC 10589:1992(E) s8.4.4 p46 Transmission of LAN IIH PDUs FC 1195 s3.9 p25 Authentication											
MUST	An L1 IS will containing the	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				
ANVL-ISISV6-9.3	ISO/IEC 10589:199 RFC 1195 s3.9 p2	92(E) s8.4.2.1 p45 II 5 Authentication	H PDU Acceptance	Tests									
MUST	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				





	Release	Release	Release	Release	Release	Master	Master	Release	Master				
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14				
ANVL-ISISV6-9.4	ISO/IEC 10589:19 RFC 1195 s3.9 p2	92(E) s8.4.2.1 p45 II 5 Authentication	H PDU Acceptance	Tests									
MUST	If authentica contains auth Password does	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:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				
ANVL-ISISV6-9.5	ISO/IEC 10589:19 RFC 1195 s3.9 p2	92(E) s8.4.2.1 p45 II 5 Authentication	H PDU Acceptance	Tests									
MUST	If authentical IIH contains	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:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				
ANVL-ISISV6- 10.1	ISO/IEC 10589:199 RFC 1195 s3.9 p2	92(E) s8.4.2.1 p45 II 5 Authentication	H PDU Acceptance	Tests									
MUST		ation is enabl ain the auther											
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14				
ANVL-ISISV6- 10.2	ISO/IEC 10589:19 RFC 1195 s3.9 p2	92(E) s8.4.4 p46 Tra 5 Authentication	nsmission of LAN III	H PDUs									
MUST	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				
ANVL-ISISV6- 10.3		D/IEC 10589:1992(E) s8.4.2.1 p45 IIH PDU Acceptance Tests C 1195 s3.9 p25 Authentication											
MUST	If authentical contains authentical Password materials	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				
ANVL-ISISV6- 10.4	ISO/IEC 10589:199 RFC 1195 s3.9 p2	92(E) s8.4.2.1 p45 II 5 Authentication	H PDU Acceptance	Tests									
MUST	If authentical contains authentical Password does	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14
ANVL-ISISV6- 10.5	ISO/IEC 10589:19 RFC 1195 s3.9 p2	92(E) s8.4.2.1 p45 II 5 Authentication	H PDU Acceptance	Tests					
MUST	IIH contains	on ation is enabl authentication hen the IS dis	on information	n of a type th					
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested
ANVL-ISISV6- 11.1	ISO/IEC 10589:199	92(E) s7.3.2 p19-p20	Generation of loca	I link state					
MUST	The update punder the fo	f Local Link S rocess is resp llowing circur Expiration (I	ponsible for gotances.	generating Lin	k State 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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested
ANVL-ISISV6-	ISO/IEC 10589:19	92(E) s7.3.5 p21 Per	iodic LSP Generation	on .					
11.2 MUST	The Intermed	f Local Link S iate System sh ximum LSPGener	nall regenerat	te every LSP a	t intervals				
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14					
ANVL-ISISV6-	ISO/IEC 10589:199	ISO/IEC 10589:1992(E) s7.3.5 p21 Periodic LSP Generation												
11.3 MUST	The Intermed	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested					
ANVL-ISISV6-	ISO/IEC 10589:199	92(E) s7.3.16.1 p29	Sequence number											
11.4 SHOULD	When the sequence module should	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: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested					
ANVL-ISISV6- 11.5	ISO/IEC 10589:199 Expiration synchro	92(E) s7.3.16.3-4 p2 nization	9 Remaining LifeTin	ne Field & LSP										
MUST	If the Remain	f Local Link S ning LifeTime hall purge tha an expired LSI	field of the at LSP from it	received LSP		s								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested					





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14				
ANVL-ISISV6- 11.6	ISO/IEC 10589:19 Expiration synchro	92(E) s7.3.16.3-4 p2 nization	9 Remaining LifeTin	ne Field & LSP									
MUST	If the Remain	eneration 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 Y flooding an expired LSP Thursty 16 04: Th											
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				
ANVL-ISISV6- 11.7	ISO/IEC 10589:199	D/IEC 10589:1992(E) s7.3.2 p19-p20 Generation of local link state ormation											
MUST	The update pounder the fo	f Local Link S rocess is resp llowing circur Expiration (I	ponsible for gontances.	generating Lin	k State 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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				
ANVL-ISISV6-	ISO/IEC 10589:19	92(E) s7.3.16.1 p29	Sequence number										
SHOULD	When the seq	d be disabled	reaches the Se	cion equence Modulu of at least M		g							
	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: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested				





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14				
ANVL-ISISV6-	ISO/IEC 10589:199	92(E) S7.3.4 P21 Mu	ıltiple LSPs										
17.2 MUST	If an LSP bed in that LSP	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				
ANVL-ISISV6- 17.5	ISO/IEC 10589:19 Intermediate syste	92(E) s7.2.8.1 p15 C ms	computing routes three	ough overloaded									
MUST	The Decision system neighb	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				
ANVL-ISISV6-	ISO/IEC 10589:19	92(E) S7.3.4 P21 Mu	ıltiple LSPs										
17.8 MUST		comes empty be no longer exis											
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14					
ANVL-ISISV6- 17.11	ISO/IEC 10589:19 Intermediate syste	92(E) s7.2.8.1 p15 C ms	computing routes three	ough overloaded										
MUST	The Decision system neighb	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested					
ANVL-ISISV6-	RFC 5308, s2, p2	Pv6 Reachability TL	V											
17.13 MUST	The external	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: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested					
ANVL-ISISV6-	RFC 5308, s2, p2	IPv6 Reachability TL	V											
17.14 MUST		s bit in IPv6 F internal metri		TLV must be se	t to 0									
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: untested					





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14				
ANVL-ISISV6-	RFC 5308, s2, p3	RFC 5308, s2, p3 IPv6 Reachability TLV											
17.15 MUST	If a prefix MAX_V6_PATH_I	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				
ANVL-ISISV6- 18.1	ISO/IEC 10589:199	ISO/IEC 10589:1992(E) S7.2.5 P14 Multiple LSPs for the same system											
MUST	The following number zero at 1. The setting 2. The value	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: unpredict	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict	FreeBSD 10.3: untested				
ANVL-ISISV6-	ISO/IEC 10589:19	92(E) S7.3 P19 Upda	ate process										
18.2 MUST		rocess is resp		generating and nout the routi									
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				





	Release	Release	Release	Release	Release	Master	Master	Release	Master				
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14				
ANVL-ISISV6- 18.3	ISO/IEC 10589:199 information	92(E) S7.3.2 P19-20	Generation of local	link state "									
MUST	The update prunder the following the motific terms of the motifications	opagation of LSPs e update process is responsible for generating Link State PDUs der the following circumstances: When notified by the subnetwork dependent functions of an jacency database change											
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	FAIL	FAIL	unpredict	FAIL	FAIL	FAIL	FAIL	FAIL	untested				
ANVL-ISISV6-	ISO/IEC 10589:199	O/IEC 10589:1992(E) S7.3.8 P22 Generation of level 1 pseudonode LSPs											
18.4 MUST	Propagation of The Area Add:		will not be pon behalf of p	oresent when a	n IS generate	s							
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	unpredict	pass	pass	unpredict	unpredict	pass	pass	untested				
ANVL-ISISV6- 18.5	ISO/IEC 10589:199 PDU	92(E) S7.3.15.1 P24	-25 Action on receip	t of Link state									
MUST		level 1 LSP a		um Area Addres Area Address t									
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14			
ANVL-ISISV6-	ISO/IEC 10589:19	92(E) s7.3.14.1 p23	Propagation of LSPs	3								
18.6 MUST	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested			
ANVL-ISISV6-	ISO/IEC 10589:19	92(E) s7.3.14.2 p24	Propagation of LSPs	5								
18.7 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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested			
ANVL-ISISV6-	ISO/IEC 10589:19	92(E), s7.3.14.2, p24	l, Propagation of LS	Ps								
18.8 MUST	1 1 2	of LSPs ting a L1 LSP the multi-dest		•	the IS shall							
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested			





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14				
ANVL-ISISV6-	ISO/IEC 10589:199	92(E) s7.3.14.2 p24	Propagation of LSPs	3									
18.9 MUST	When an Interone stored in	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: unpredict	Ubuntu 16.04: unpredict	Ubuntu 16.04: FAIL	Ubuntu 16.04: unpredict				
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested				
ANVL-ISISV6- 18.10	ISO/IEC 10589:19	92(E) S7.3.16.3 P29	Remaining Lifetime	Field									
MUST	When the sour	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				
ANVL-ISISV6-	RFC 1195 S3.1 P1	5 Exchange of routing	ng information										
18.12 MUST		of LSPs ers need to kr router in the		ldress are rea	chable from								
	Ubuntu 16.04: pass	Ubuntu 16.04: unpredict	Ubuntu 16.04: pass	Ubuntu 16.04: unpredict	Ubuntu 16.04: unpredict	Ubuntu 16.04: FAIL	Ubuntu 16.04: unpredict	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL				
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict	FreeBSD 10.3: untested									





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14					
ANVL-ISISV6-	RFC 1195 S3.7 P2	4 IP-Only Operation												
18.13 MUST	Some of the vomitted for 3	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested					
ANVL-ISISV6- 19.1	ISO/IEC 10589:199	ISO/IEC 10589:1992(E) S7.2.5 P14 Multiple LSPs for the same system												
MUST	The following number zero a 1. The settin 2. The value	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested					
ANVL-ISISV6-	ISO/IEC 10589:199	92(E) S7.3 P19 Upd	ate process											
19.2 MUST	The update p		onsible for g	generating and nout the routi										
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested					





	Release	Release	Release	Release	Release	Master	Master	Release	Master				
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14				
ANVL-ISISV6- 19.3	ISO/IEC 10589:199 information	92(E) S7.3.2 P19-20	Generation of local	link state "									
MUST	The update pounder the following the motification of the motificat	ltiple LSPs for the Same System e update process is responsible for generating Link State PDUs der the following circumstances: When notified by the subnetwork dependent functions of an jacency database change											
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	unpredict	pass	pass	pass	pass	untested				
ANVL-ISISV6-	ISO/IEC 10589:199	O/IEC 10589:1992(E) S7.3.8 P22 Generation of level 2 pseudonode LSPs											
19.4 MUST	The Area Add:	s for the Same resses option nk State PDU o	will not be r	oresent when a	n IS generate	s							
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				
ANVL-ISISV6- 19.5	ISO/IEC 10589:199 PDU	92(E) S7.3.15 P24-2	5 Action on receipt of	of Link state									
MUST	If this is a	s for the Same level 2 LSP a value of the	and the Maximu										
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14			
ANVL-ISISV6-	ISO/IEC 10589:19	92(E) s7.3.14.1 p23	Propagation of LSPs	3			-	-				
19.6 MUST	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: 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			
ANVL-ISISV6-	ISO/IEC 10589:19	92(E) s7.3.14.2 p24	Propagation of LSPs	5								
19.7 MUST	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: 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			
ANVL-ISISV6-	ISO/IEC 10589:19	92(E), s7.3.14.2, p24	1, Propagation of LS	Ps								
19.8 MUST	When propaga	s for the Same ting a L2 LSP the multi-dest	on a broadcas	,	the IS shall							
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested			





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14					
ANVL-ISISV6-	ISO/IEC 10589:199	92(E) s7.3.14.2 p24	Propagation of LSPs	3										
19.9 MUST	When an Interone one stored in	fultiple LSPs for the Same System then an Intermediate System receives a LSP older than the then an Intermediate System receives a LSP older than the the stored in the database, the stored link state PDU needs to the 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: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: untested					
ANVL-ISISV6- 19.10	ISO/IEC 10589:199 state PDU	SO/IEC 10589:1992(E) s7.3.15.1 p24 Action on receipt of a link state PDU												
MUST	If the ID Le	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested					
ANVL-ISISV6-	ISO/IEC 10589:199	92(E) S7.3.16.3 P29	Remaining Lifetime	Field										
19.11 MUST	When the sour		a link state e transmitting	PDU, it shall g a link state 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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested					





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14				
ANVL-ISISV6-	RFC 1195 S3.2 P1	7 Exchange of routing	ng information										
19.13 MUST	Level 2 route	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: unpredict	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				
ANVL-ISISV6- 19.14	RFC 1195 S3.7 P25 IP-Only Operation												
MUST	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				
ANVL-ISISV6-	ISO/IEC 10589:199	92(E) s7.3.16.1 p28	sequence numbers										
20.1 MUST		bers m initializes, ts own Link St		art with seque	nce number								
	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: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested				





	Release	Release	Release	Release	Release	Master	Master	Release	Master		
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14		
ANVL-ISISV6-	ISO/IEC 10589:199	92(E) s7.3.16.1 p28	sequence numbers								
SHOULD	Sequence Numbers The sequence number of any actually generated Link State PDU should not be zero										
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass	pass	pass	untested		
ANVL-ISISV6-	ISO/IEC 10589:199	D/IEC 10589:1992(E) s7.3.16.1 p29 sequence numbers									
20.3 MUST	Sequence Numbers Update sequence number depending on the sequence number received from system in the domain										
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass	pass	unpredict	untested		
ANVL-ISISV6-	ISO/IEC 10589:19	92(E) s7.3.16.2 p29	LSP confusion								
20.4 MUST	generated by	bers nce numbers ma the local sys d flood the LS	stem, then sto								
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	FAIL	FAIL	unpredict	FAIL	FAIL	pass	FAIL	unpredict	untested		





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14		
ANVL-ISISV6-	ISO/IEC 10589:199	92(E) s7.3.16.1 p28	sequence numbers								
21.1 MUST		n m initializes, ts own Link St		art with seque	nce number						
	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: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested		
ANVL-ISISV6-	ISO/IEC 10589:199	92(E) s7.3.16.1 p29	sequence numbers					-			
SHOULD	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested		
ANVL-ISISV6-	ISO/IEC 10589:199	92(E) s7.3.16.1 p29	sequence numbers								
21.3 MUST	LSP Confusion Update sequent system in the	nce number der	pending on the	e sequence num	ber received	from					
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested		





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14			
ANVL-ISISV6-	ISO/IEC 10589:199	ISO/IEC 10589:1992(E) s7.3.16.2 p29 LSP confusion										
21.4 MUST	If the sequence generated by	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: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: untested			
ANVL-ISISV6-	ISO/IEC 10589:199	ISO/IEC 10589:1992(E), s7.3.17, p30, Making the update reliable										
22.3 MUST	On broadcast multicast Con	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested			
ANVL-ISISV6-	ISO/IEC 10589:1992(E), s7.3.17, p30, Making the update reliable											
22.4 MUST	On broadcast multicast Con	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: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: untested			





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14		
ANVL-ISISV6-	ISO/IEC 10589:1992(E) s7.3.19.1 p31 Entering the waiting state										
24.1 MUST	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: unpredict		
	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: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: untested		
ANVL-ISISV6-	ISO/IEC 10589:19	92(E) s7.3.19.1 p31	Entering the waiting	state							
MUST	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested		
ANVL-ISISV6-	RFC3719 Section	2.1 Page 3 " MaxAge	e"								
SHOULD	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: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested		
ANVL-ISISV6-	RFC3719 Section	RFC3719 Section 2.2 Page 4 " ISISv6HoldingMultiplier"									
25.3 MAY	ISISUpdate - An implement	RFC 3719 ation MAY allo	ow ISISv6Holdi	ngMultiplier	to be configu	rable.					
	Ubuntu 16.04: pass	Ubuntu 16.04: unpredict	Ubuntu 16.04: pass	Ubuntu 16.04: unpredict	Ubuntu 16.04: unpredict	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: untested		



RFC Compliance Test Report ISISV6 Results



	Release	Release	Release	Release	Release	Master	Master	Release	Master		
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14		
ANVL-ISISV6-	RFC3719 Section 3.1 Page 4 " ID Length"										
25.4 MUST	ISISUpdate - RFC 3719 An implementation MUST use an ID Length of 6.										
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass	pass	pass	untested		
ANVL-ISISV6-	RFC3719 Section	3.1 Page 4 " ID Leng	yth"								
25.5 MUST	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:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested		
ANVL-ISISV6-	RFC3719 Section 3.2 Page 5 "maximumAreaAddresses"										
25.6	ISISUpdate - RFC 3719										
SHOULD	An implementation SHOULD use the value 3.										
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	untested		
ANVL-ISISV6-	RFC3719 Section 3.2 Page 5 " maximumAreaAddresses"										
25.7 MUST		RFC 3719 receives a PDU ard the PDU, a				0 or 3,					
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass	pass	pass	untested		





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14			
ANVL-ISISV6-	RFC3719 Section	RFC3719 Section 3.3 Page 5 " Protocol Version"										
25.8 MUST	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested			
ANVL-ISISV6-	RFC3719 Section	3.3 Page 5 " Protoco	l Version"									
25.9 MUST	If a router : drop the pack	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested			
ANVL-ISISV6-	RFC3719 Section 11 Page 11 "Doppelganger LSPs"											
25.23 MUST	A complete so LSPID ranges (i.e., there	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested			



RFC Compliance Test Report ISISV6 Results



	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14			
ANVL-ISISV6- 26.1	RFC1195, s3.2, p17 Hierarchical Abbreviation of IP Reachability Information											
MUST	Any address	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: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested			
ANVL-ISISV6- 26.2	RFC1195, s3.2, p17 Hierarchical Abbreviation of IP Reachability Information											
MUST	Any address of by the manual 2 LSPs (Note: This	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: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested			
ANVL-ISISV6-	RFC 5308, s2, p2 IPv6 Reachability TLV											
26.3 MUST	If a prefix	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: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested			





	Release	Release	Release	Release	Release	Master	Master	Release	Master		
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14		
ANVL-ISISV6-	RFC3719 Section 2.1 Page 3 " MaxAge"										
28.2 SHOULD	ISISUpdate - RFC 3719 Part 2 MaxAge SHOULD exceed maximumLSPGenerationInterval by atleast 300 seconds Note: Verify the RemainingLifeTime of the Packet										
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	untested		
ANVL-ISISV6-	RFC3719 Section	2.2 Page 4 " ISISv6H	HoldingMultiplier"								
28.3 MAY	ISISUpdate - RFC 3719 Part 2 An implementation MAY allow ISISv6HoldingMultiplier to be configurable.										
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	unpredict	unpredict	unpredict	unpredict	unpredict	unpredict	unpredict	unpredict	unpredict		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	unpredict	pass	unpredict	pass	unpredict	pass	unpredict	pass	untested		
ANVL-ISISV6-	RFC3719 Section 3.1 Page 4 " ID Length"										
28.4	ISISUpdate - RFC 3719 Part 2										
MUST	An implementation MUST use an ID Length of 6.										
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass	pass	pass	untested		
ANVL-ISISV6-	RFC3719 Section 3.1 Page 4 " ID Length"										
28.5 MUST	If a router of	RFC 3719 Part encounters a B 15.a.2 dictate	PDU with an II			r 6,					
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass	pass	pass	untested		





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14			
ANVL-ISISV6-	RFC3719 Section	RFC3719 Section 3.3 Page 5 " Protocol Version"										
28.8 MUST	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested			
ANVL-ISISV6-	RFC3719 Section	3.3 Page 5 " Protoco	l Version"									
28.9 MUST	If a router of drop the pack	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested			
ANVL-ISISV6-	RFC3719 Section 11 Page 11 "Doppelganger LSPs"											
28.23 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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested			