



	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Release 4.0	Master 2018-06-14	Release 5.0	Release 5.0.1		
Туре	FRR	FRR	FRR	FRR	FRR	FRR	FRR	FRR	FRR		
Commit ID	3e71b5d	f633dc2	36a7e78	30283fd	5dff4ec	7a377a1	7acf817	ed02df4	85f25d8		
Commit Date	2017-04-02	2017-10-14	2017-11-08	2017-11-08	2018-01-09	2018-03-12	2018-06-04	2018-06-08	2018-07-05		
ANVL-ISISV6-1.1	ISO/IEC 10589:199	ISO/IEC 10589:1992(E)s9.5 p49 Level 1 LAN IS to IS hello PDU									
MUST	Level 1 LAN 1 1. Intra-dom 2. PDU type 1 3. Version/P	evel 1 LAN IS to IS Hello PDU evel 1 LAN IS to IS hello PDU must have . Intra-domain Routing Protocol Discriminator = 0x83 . PDU type = 15 . Version/Protocol ID extension = 1 . Version = 1									
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass		
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass		
ANVL-ISISV6-1.2	ISO/IEC 10589:19	92(E)s9.5 p49 Level	1 LAN IS to IS hello	PDU							
MUST	Bit 6-8 of PR Reserved/Circ	IS to IS Hello DU Type (5th o cuit Type (9th ch are always	octet), Reserv	8th 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: pass		





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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 Intege the correspond 2. The Value	IS to IS Hello Length field r between 1 ar nding length zero, which is 255, which me	shall take arnd 8, inclusiv	re, indicating Lx octet ID, f	an ID field field field length	of							
	Ubuntu 16.04: pass												
	FreeBSD 10.3: pass												
ANVL-ISISV6-1.4	ISO/IEC 10589:19	92(E)s9.5 p49-50 Le	vel 1 LAN IS to IS he	ello PDU									
MUST		IS to IS Hello		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: pass				
ANVL-ISISV6-1.5	RFC 1195 s5.3.1 p	92(E)s9.5 p50 Level 037-38 Level 1 LAN I IPv6 Reachability Ti dddress TLV	S to IS hello PDU	PDU									
	The valid Co of Level 1 L Area Address Authenticati Protocols Su	evel 1 LAN IS to IS Hello PDU he valid Codes that must be present in the VARIABLE LENGTH FIELD f Level 1 LAN IS to IS hello PDU are:											
	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: pass				



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	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Release 4.0	Master 2018-06-14	Release 5.0	Release 5.0.1					
ANVL-ISISV6-1.6		RFC 1195 s4.4 p32 Maintaining Router Adjacencies s5.2 p34 Overview of IP-specific Information for IS-IS												
MUST	The Protocol	Level 1 LAN IS to IS Hello PDU The Protocol supported field must be present in all IS-IS Hello Packets send by IP-only routers												
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass					
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass					
ANVL-ISISV6-1.7	NEGATIVE : RFC	GATIVE : RFC 1195 s4.4 p32 Maintaining Router Adjacencies												
MUST	The Protocol	Level 1 LAN IS to IS Hello PDU The Protocol Supported field must be present in all IS-IS Hello Packets send by IP-only routers												
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass					
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass					
ANVL-ISISV6-1.8	ISO/IEC 10589:19	92(E)s9.6 p51 Level	2 LAN IS to IS hello	PDU										
MUST	Level 2 LAN : 1. Intra-doma 2. PDU type :	= 16 rotocol ID ext	PDU must hav	ve iminator = 0x8	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: pass					



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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 PI Reserved/Circ	Level 1 LAN IS to IS Hello PDU Bit 6-8 of PDU Type (5th octet), Reserved (7th octet), bit 3-8 of Reserved/Circuit Type (9th octet) and 8th bit of Priority are reserved which are always set to zero in Level 2 LAN IS to IS nello 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: pass				
ANVL-ISISV6- 1.10	ISO/IEC 10589:199	92(E)s9.6 p51 Level	2 LAN IS to IS hello	PDU									
MUST	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: pass				
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 (must be either	2 or 3								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass				





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Release 4.0	Master 2018-06-14	Release 5.0	Release 5.0.1				
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 T dddress TLV	S to IS hello PDU	ello PDU									
	The valid Coo of Level 2 L Area Address Protocols Su	el 1 LAN IS to IS Hello PDU valid Codes that must be present in the VARIABLE LENGTH FIELD Level 2 LAN IS to IS hello PDU are: a Address tocols Supported 6 Interface Address											
	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: pass				
ANVL-ISISV6- 1.13		2 Maintaining Route 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: pass				
ANVL-ISISV6-	NEGATIVE : RFC	1195 s4.4 p32 Maint	aining Router Adjac	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												
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass				





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Release 4.0	Master 2018-06-14	Release 5.0	Release 5.0.1			
ANVL-ISISV6- 1.19	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	o know what ne	etwork layer p ea	protocols are							
	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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass			
ANVL-ISISV6- 1.20		C 1195 s4.2 p31 Multiple IP Addresses per Interface C 5308 s3 p3 IPv6 Interface Address TLV										
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: pass			
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 ea	protocols 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: pass			





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Release 4.0	Master 2018-06-14	Release 5.0	Release 5.0.1			
ANVL-ISISV6- 1.22		1 Multiple IP Addres Pv6 Interface Addres										
MUST	Each interfactions transmitted of the mecessarial control of the c	can have maximuly modify the	ing to the SNI mum of 15 IPv6 contents to 1	PA over which 5 addresses be 0-15 16 oct interface add	et IPv6 inter	face						
	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: pass			
ANVL-ISISV6- 1.23		EGATIVE :RFC 1195 s4.2 p31 Multiple IP Addresses per Interface FC 5308 s3 p3 IPv6 Interface Address TLV										
MUST	Each Interface PDU is transi We necessari	mitted can havely the	ing to the SNI we a maximum of contents to b	PA over which of 15 IPv6 Add oe 0-15 16 oct interface add	lresses 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: unpredict	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: FAIL			
ANVL-ISISV6- 1.24		195 s4.2 p31 Multip Pv6 Interface Addres	le IP Addresses per s TLV	Interface								
MUST	Each Interface PDU is transi We necessari	mitted can havely modify the	ing to the SNI we a maximum of contents to b	PA over which of 15 IPv6 Add oe 0-15 16 oct interface add	lresses et IPv6 inter	face						
	Ubuntu 16.04: Ub											
	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: FAIL			





	Release	Release	Release	Release	Release	Release	Master	Release	Release			
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	2018-06-14	5.0	5.0.1			
ANVL-ISISV6-	RFC 5308 s3 p4 IF	Pv6 Interface Addres	s TLV									
1.25 MUST	For LSPs the	el 1 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:	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	pass			
ANVL-ISISV6-	RFC 5308 s3 p4 IF	5308 s3 p4 IPv6 Interface Address TLV										
1.26 MUST	For LSPs the	evel 1 LAN IS to IS Hello PDU or LSPs the "Interfaces Address" TLVs MUST contain only the on-link-local IPv6 addresses assigned to the 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	pass			
ANVL-ISISV6-2.1	ISO/IEC 10589:199	92(E) s9.8 p54 Leve	1 LSPDU									
MUST	Discriminato:	e level 1 LSP r = 0x83, PDU	Type = 18, Ve	cradomaim Rout ersion/Protoco) = 1 in the H	ol ID extensio	n						
	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	pass			





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ANVL-ISISV6-2.2	ISO/IEC 10589:199	92(E) s9.8 p54 Leve	I 1 Link State PDU										
MUST	Level 1 LSPDU Bit 6-8 of PDU Type (5th octet) and Reserved (7th octet) are reserved which are always set to zero in Level 1 Link State PDU												
	Ubuntu 16.04: pass	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: pass				
ANVL-ISISV6-2.3	ISO/IEC 10589:199	O/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: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass				
ANVL-ISISV6-2.4 MUST	RFC 1195 s5.3.4,	p40-43 Level 1 Link IPv6 Reachability T		U									
	The valid coo of level 1 1 Area Addresso Intermediate Protocols Su	Level 1 LSPDU The valid codes that must be present in the VARIABLE LENGTH FIELD of level 1 link state PDU are: Area Addresses Intermediate system Neighbors Protocols Supported IPv6 Reachability Information											
	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL				
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL				





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	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	2018-06-14	5.0	5.0.1			
ANVL-ISISV6-	ISO/IEC 10589:199	ISO/IEC 10589:1992(E) s9.9 p57 Level 2 LSPDU										
2.11 MUST	Discriminato:	e level 2 LSP r =0x83, PDU 5	Type=20,Versio	radomaim Rout on/Protocol ID in the Header	extension(3r	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	pass			
ANVL-ISISV6-	ISO/IEC 10589:199	O/IEC 10589:1992(E) s9.9 p57 Level 2 Link State PDU										
2.12 MUST	Level 1 LSPDU Bit 6-8 of PDU Type (5th octet) and Reserved (7th octet) are reserved which are always set to zero in Level 2 Link State PDU											
	Ubuntu 16.04:	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	pass			
ANVL-ISISV6-	ISO/IEC 10589:199	92(E) s9.9 p57 Leve	2 Link State PDU									
2.13 MUST	values: 1. An intege: coresponding 2. The value	Length field r between 1 ar length zero, which	nd 8 ,inclusiv	ny one of thes re, indicating ix octet ID, f O field (i.e.,	an ID field							
	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	pass			





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ANVL-ISISV6- 2.14 MUST	RFC 1195 s5.3.5,p	92(E) s9.9 p57-59 Lo 43-48 Level 2 Link S IPv6 Reachability T Address TLV	State PDU	U								
	Level 1 LSPDU The valid codes that must be present in the VARIABLE LENGTH FIELD of level 2 link state PDU are: Area Addresses Intermediate system Neighbors Protocols Supported IPv6 Reachability Information											
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass			
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass			
ANVL-ISISV6-	RFC 1195 S3.1 P1	5 Exchange of routi	ng information									
2.17 MUST				eived PDU that ugh unchanged	are not							
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass			
ANVL-ISISV6-	RFC 1195 S3.1 P1	5 Exchange of routing	ng information									
2.18 MUST		~		eived PDU that ugh unchanged	are not							
	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: pass			



RFC Compliance Test Report ISISV6 Results



	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Release 4.0	Master 2018-06-14	Release 5.0	Release 5.0.1		
ANVL-ISISV6-3.1	ISO/IEC 10589:199	92(E) s9.10 p60 Lev	el 1 complete seque	nce numbers PDU	-	-					
MUST	Level 1 compa	lete Sequence lete sequence criminator = (rd octet) = 1	number PDU mu)x83, PDU Type	e = 24, Versio	n/Protocol ID)					
	Ubuntu 16.04: Ub										
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass		
ANVL-ISISV6-3.2	ISO/IEC 10589:19	/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: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass		
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	evel 1 Complete Sequence Numbers PDU Le valid ID Length field in a Level 1 Complete Sequence Number PDU Lall take any one of these following values: An integer between 1 and 8, inclusive, indicating an ID field of Aresponding length The value zero, which indicates a six octet ID, field length The value 255, which means a null ID field (i.e., zero length)									
	Ubuntu 16.04: Ub										
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass		





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Release 4.0	Master 2018-06-14	Release 5.0	Release 5.0.1			
ANVL-ISISV6-3.4	PDU	92(E) s9.10 p60-61 l 948-49 Level 1 comp	•	•								
	The valid cool level 1 comp	lete Sequence des that must lete sequence es ation Informat	be present in numbers PDU a		: LENGTH 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: pass			
ANVL-ISISV6-3.5	ISO/IEC 10589:19 PDU	IEC 10589:1992(E) s9.10 p61-62 Level 2 complete sequence numbers										
MUST	Level 2 comp protocol Dis	lete Sequence lete sequence criminator = (rd octet) = 1	number PDU mu)x83, PDU Type	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: pass			
ANVL-ISISV6-3.6	ISO/IEC 10589:19	92(E) s9.11 p62 Lev	el 2 Complete seque	ence number PDU								
MUST	Bit 6-8 of P:	lete Sequence DU Type (5th o ch are always	octet) and Res			e						
	Ubuntu 16.04: Ub											
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass			





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Release 4.0	Master 2018-06-14	Release 5.0	Release 5.0.1			
ANVL-ISISV6-3.7	ISO/IEC10589:199	92(E) s9.11 p61-62 L	evel 2 complete seq	uence numbers PDI	J							
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 1255, which me	in a Level 2 se following value 8, inclusive indicates a si	values: ve, indicating	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: 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: pass			
ANVL-ISISV6-3.8	PDU	/IEC 10589:1992(E) s9.11 p62 Level 2 complete sequence numbers 3 1195 s5.3.7,p49 Level 2 complete sequence numbers PDU										
	The valid coolevel 2 comp. 1. LSP Entrie	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: pass			
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	26, Version/Pr	otocol ID ext							
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass			
	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass			





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Release 4.0	Master 2018-06-14	Release 5.0	Release 5.0.1		
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 Pi		octet) and Res	served (7th oc in Level 1 par							
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass		
	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass		
ANVL-ISISV6- 3.11	ISO/IEC 10589:1992(E) s9.12 p63 Level 1 partial sequence number PDU										
MUST	Level 1 Complete Sequence Numbers PDU The valid ID Length field shall take any one of these following values: 1. An integer between 1 and 8 , inclusive, indicating an ID field of coresponding length 2. The value zero, which indicates a six octet ID, field length 3. The value 255, which means a null ID field (i.e., zero length)										
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass		
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass		
ANVL-ISISV6- 3.12		` '	el 1 partial sequence equence number PD								
MUST	The valid coolevel 1 parts 1. LSP Entri	ial sequence i	be present ir numbers PDU ar	n the VARIABLE	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: unpredict	FreeBSD 10.3: unpredict	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: pass		





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Release 4.0	Master 2018-06-14	Release 5.0	Release 5.0.1		
ANVL-ISISV6-	ISO/IEC 10589(E)	s9.12 p64-65 Level	2 partial sequence n	umbers PDU							
3.13 MUST	Level 2 parts	criminator=0x	Numbers PDU number PDU mus 33, PDU Type=2 (6th octet)=1	27, 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: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass		
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: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass		
	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass		
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	r between 1 amulength zero, which :	Numbers PDU shall take ar nd 8 ,inclusivindicates a sians anull ID f	re,indicating	an ID field o	f					
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass		
	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass		





	Release	Release	Release	Release	Release	Release	Master	Release	Release		
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	2018-06-14	5.0	5.0.1		
ANVL-ISISV6- 3.16			el 2 partial sequence equence number PD								
MUST	The valid coolevel 2 parts 1. LSP Entri	ial sequence m	be present ir numbers PDU ar	n the VARIABLE	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	pass	pass		
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	pass		
ANVL-ISISV6-4.2	RFC 1195, s5.1, p	33, Overview of ISIS	PDUs								
MUST	Links Hello packets neighbouring		initialize ar	nd maintain ad	ljacencies 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	pass		





	Release	Release	Release	Release	Release	Release	Master	Release	Release			
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	2018-06-14	5.0	5.0.1			
ANVL-ISISV6-4.3	ISO/IEC 10589:19	92(E), s8.4.2, p44, B	Broadcast subnetwor	k IIH PDUs								
MUST	Links An L1 IS sha	ll transmit on	nly L1 LAN III	ıs.								
	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	pass			
ANVL-ISISV6-4.4	ISO/IEC 10589:199	O/IEC 10589:1992(E), s8.4.2, p44, Broadcast subnetwork IIH PDUs										
SHOULD		nt by L1 IS sh s of L1 IS ad	nould contain jacencies.	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	pass			
ANVL-ISISV6-4.5	ISO/IEC 10589:199	92(E), s8.4.2, p44, B	Broadcast subnetwor	k IIH PDUs	-	-						
MUST	Links An L1 IS sha address AllL		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	pass			
ANVL-ISISV6-4.6	ISO/IEC 10589:19	92(E), s8.4.2, p44, B	Broadcast subnetwor	k IIH PDUs								
MUST	Links L1 ISs shall	listen on the	e multi-destir	nation address	allL1ISs.							
	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	pass			





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Release 4.0	Master 2018-06-14	Release 5.0	Release 5.0.1		
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	e 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: FAIL		
ANVL-ISISV6-4.8	ISO/IEC 10589:199	/IEC 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 routingDomainIDLength, it should be discarded.									
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass		
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass		
ANVL-ISISV6-4.9			Receipt of L1 LAN I								
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: pass		





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Release 4.0	Master 2018-06-14	Release 5.0	Release 5.0.1				
ANVL-ISISV6- 4.10		92(E), s8.4.2.2, p45, 92(E), s8.2.4.2, p38,											
MUST	Links If the received L1 IIHs areaAddress field matches any of the values from the manualAreaAddresses of the L1 IS, it shall accept the adjacency.												
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass				
ANVL-ISISV6- 4.11		SO/IEC 10589:1992(E), s8.4.2.2, p45, Receipt of L1 IIH PDUs SO/IEC 10589:1992(E), s8.2.4.2, p38, IIH PDU Processing											
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: pass				
ANVL-ISISV6-	ISO/IEC 10589:19	92(E), s8.4.2.2, p45,	Receipt of L1 IIH P	DUs									
4.12 MUST				not 3, then it dresses value.		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: pass				





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Release 4.0	Master 2018-06-14	Release 5.0	Release 5.0.1				
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: pass				
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: pass				
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: pass				





	Release	Release	Release	Release	Release	Release	Master	Release	Release	
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	2018-06-14	5.0	5.0.1	
ANVL-ISISV6-5.1	ISO/IEC 10589:199	92(E), s7.2.4, p14, L	inks							
MUST				encies by exch	nanging					
	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	pass	
ANVL-ISISV6-5.2	RFC 1195, s5.1, p33, Overview of ISIS PDUs									
MUST				nd maintain ad	ljacencies 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	pass	
ANVL-ISISV6-5.3	ISO/IEC 10589:199	92(E), s8.4.2, p44, B	roadcast subnetwor	k IIH PDUs						
MUST		bnetwork IIH l 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	pass	
ANVL-ISISV6-5.4	ISO/IEC 10589:19	92(E), s8.4.2, p44, E	roadcast subnetwor	k IIH PDUs						
SHOULD	An L2 IIH se	bnetwork IIH h nt by L2 IS sl s of L2 IS ad	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	pass	





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	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	2018-06-14	5.0	5.0.1		
ANVL-ISISV6-5.5	ISO/IEC 10589:19	92(E), s8.4.2, p44, B	roadcast subnetwor	k IIH PDUs							
MUST				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	pass		
ANVL-ISISV6-5.6	ISO/IEC 10589:19	92(E), s8.4.2, p44, B	roadcast subnetwor	k IIH PDUs							
MUST		coadcast Subnetwork IIH PDUs 2 ISs shall listen on the multi-destination 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	pass		
ANVL-ISISV6-5.7	ISO/IEC 10589:19	92(E), s8.4.2, p44, B	roadcast subnetwor	k IIH PDUs							
MUST				doesn"t have	e 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	FAIL		
ANVL-ISISV6-5.8	ISO/IEC 10589:19	92(E), s8.4.2.1, p44,	IIH PDU acceptanc	e tests							
SHOULD	If the IDLen	onetwork IIH l gth of the L2 nIDLength, it	IIH is not eq	qual to the va	llue of the IS	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	pass		





	Release	Release	Release	Release	Release	Release	Master	Release	Release		
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	2018-06-14	5.0	5.0.1		
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 I S receives an generated by t	L2 LAN IIH fr	rom another IS nclude R.	G(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	pass		
ANVL-ISISV6-	ISO/IEC 10589:19	EC 10589:1992(E), s8.4.2.5.1, p45, 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	pass		
ANVL-ISISV6-	ISO/IEC 10589:19	92(E), s8.4.2.5.2, p4	5, New Adjacencies								
5.11 MUST	If a neighbor	bnetwork IIH l 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	pass		





	Release	Release	Release	Release	Release	Release	Master	Release	Release		
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	2018-06-14	5.0	5.0.1		
ANVL-ISISV6-6.1	ISO/IEC 10589:19	92(E), s8.4.2, p44, E	roadcast subnetwor	k IIH PDUs							
MUST		st Subnetwork shall create :	IIH PDUs separate adjad	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	pass	pass	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:		
	pass	unpredict	pass	pass	pass	pass	pass	pass	pass		
ANVL-ISISV6-6.2	ISO/IEC 10589:19	O/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	pass		
ANVL-ISISV6-6.3	ISO/IEC 10589:19	92(E), s8.4.2, p44, E	roadcast subnetwor	k IIH PDUs	-	-					
MUST	An L1/L2 IS		IIH PDUs on the multi-d N IIHs respect		ldress 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	unpredict	pass	pass	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:		
	pass	unpredict	pass	pass	pass	pass	pass	unpredict	pass		
ANVL-ISISV6-6.4	ISO/IEC 10589:19	92(E), s8.4.2, p44, E	roadcast subnetwor	k IIH PDUs							
MUST		_	IIH PDUs any LAN IIH th	nat doesn"t ha	ive the destin	ation					
	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	FAIL		





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	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	2018-06-14	5.0	5.0.1				
ANVL-ISISV6-7.1		92(E) s7.2.3 p14 Bro 1 Designated routers											
MUST	Election pro	adcast Subnetwork ction process of level 1 designated IS is done by verifying ority 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:				
	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	pass				
ANVL-ISISV6-7.2		EC 10589:1992(E) s7.2.3 p14 Broadcast subnetwork 1195 s4.3 p31 Designated routers and Pseudonodes											
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	FAIL				
ANVL-ISISV6-7.3		92(E) s7.2.3 p14 Bro 1 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	pass				





	Release	Release	Release	Release	Release	Release	Master	Release	Release			
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	2018-06-14	5.0	5.0.1			
ANVL-ISISV6-7.4		92(E) s7.2.3 p14 Bro 1 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:			
	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	FAIL			
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	pass			
ANVL-ISISV6-7.6	ISO/IEC 10589:199	92(E) s8.4.5 p47 LAI	N designated ISs									
MUST				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	pass			





	Release	Release	Release	Release	Release	Release	Master	Release	Release			
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	2018-06-14	5.0	5.0.1			
ANVL-ISISV6-8.1		92(E) s7.2.3 p14 Bro 1 Designated routers										
MUST	Election prod	ignated Routers and Pseudonodes ction process of level 2 designated IS is done by verifying ority 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:			
	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	pass			
ANVL-ISISV6-8.2		IEC 10589:1992(E) s7.2.3 p14 Broadcast subnetwork 1195 s4.3 p31 Designated routers and Pseudonodes										
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:			
	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	FAIL			
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 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	pass			





	Release	Release	Release	Release	Release	Release	Master	Release	Release
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	2018-06-14	5.0	5.0.1
ANVL-ISISV6-8.4		92(E) s7.2.3 p14 Bro 1 Designated routers							
MUST	Election pro	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	FAIL
ANVL-ISISV6-8.5	ISO/IEC 10589:199	92(E) s8.4.5 p46 LA	N designated IS						
MUST	J J			shall transm	nit 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	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	pass
ANVL-ISISV6-8.6	ISO/IEC 10589:199	92(E) s8.4.5 p47 LA	N designated ISs						
MUST	An L2 IS sha	outers and Pse ll transmit Li e designated l	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	pass





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Release 4.0	Master 2018-06-14	Release 5.0	Release 5.0.1					
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	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: pass					
ANVL-ISISV6-9.2		/IEC 10589:1992(E) s8.4.4 p46 Transmission of LAN IIH PDUs C 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: pass					
ANVL-ISISV6-9.3	ISO/IEC 10589:19 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: pass					





	Release	Release	Release	Release	Release	Release	Master	Release	Release				
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	2018-06-14	5.0	5.0.1				
ANVL-ISISV6-9.4	ISO/IEC 10589:1992(E) s8.4.2.1 p45 IIH PDU Acceptance Tests RFC 1195 s3.9 p25 Authentication												
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 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	pass				
ANVL-ISISV6-9.5		/IEC 10589:1992(E) s8.4.2.1 p45 IIH PDU Acceptance Tests C 1195 s3.9 p25 Authentication											
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	pass				
ANVL-ISISV6- 10.1	ISO/IEC 10589:19 RFC 1195 s3.9 p2		H PDU Acceptance	Tests									
MUST	Authentication If authentication is enabled on a circuit and the received L2 LAN IIH doesn"t contain the authentication information field, the L2 IS shall discard the PDU												
	Ubuntu 16.04:	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	pass				





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ANVL-ISISV6- 10.2	ISO/IEC 10589:199 RFC 1195 s3.9 p29		nsmission of LAN III	H PDUs								
MUST	containing th	l include auth he circuitTran	nsmitPassword	nformation of as the authen s enabled on t	ıtication valu							
	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: pass			
ANVL-ISISV6- 10.3		IEC 10589:1992(E) s8.4.2.1 p45 IIH PDU Acceptance Tests 1195 s3.9 p25 Authentication										
MUST	contains autl	ation is enabl hentication in ches any of th	nformation of	ait and the re type Password eivePasswords,	l, and if this							
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass			
ANVL-ISISV6- 10.4	ISO/IEC 10589:199 RFC 1195 s3.9 p29		H PDU Acceptance	Tests								
MUST	If authentica contains auth Password does	thentication authentication is enabled on a circuit and the received L2 LAN IIH ntains authentication information of type Password, and if this ssword does not match any of the circuitReceivePasswords, then e 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: pass			





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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	ation is enabl	on information	uit and the re n of a type th J								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass			
ANVL-ISISV6- 11.1	ISO/IEC 10589:19 information	O/IEC 10589:1992(E) s7.3.2 p19-p20 Generation of local link state ormation										
MUST	The update punder the fo	Generation of Local Link State Information The update process is responsible for generating Link State PDUs under the following circumtances Upon Timer Expiration (LSPGenerationTimer)										
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass			
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass			
ANVL-ISISV6-	ISO/IEC 10589:19	92(E) s7.3.5 p21 Per	iodic LSP Generation	on .								
MUST	The Intermed	f Local Link S iate System sh ximum LSPGener	nall regenerat	te every LSP a	at 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: pass			





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ANVL-ISISV6-	ISO/IEC 10589:19	ISO/IEC 10589:1992(E) s7.3.5 p21 Periodic LSP Generation											
11.3 MUST	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: pass				
ANVL-ISISV6-	ISO/IEC 10589:1992(E) s7.3.16.1 p29 Sequence number												
11.4 SHOULD	When the sequence module should	eneration of Local Link State Information hen the sequence number reaches the Sequence Modulus, the routing odule should be disabled for a period of at least MaxAge + eroAgeLifetime											
	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: FAIL				
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		field of the at LSP from it	cion received LSP cs database an		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: pass				





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ANVL-ISISV6- 11.6	ISO/IEC 10589:199 Expiration synchro		9 Remaining LifeTin	ne Field & LSP							
MUST	If the Remain	ning LifeTime	at LSP from it	cion received LSP cs database an		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: pass		
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 following	rocess is resp llowing circur		generating Lin	ık 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: pass		
ANVL-ISISV6-	ISO/IEC 10589:19	92(E) s7.3.16.1 p29	Sequence number								
SHOULD	When the seq	uence number i d be disabled		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: FAIL		





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ANVL-ISISV6-	ISO/IEC 10589:19	92(E) S7.3.4 P21 M	ıltiple LSPs											
17.2 MUST	If an LSP be 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: pass					
ANVL-ISISV6- 17.5	ISO/IEC 10589:19 Intermediate syste	92(E) s7.2.8.1 p15 C ms	computing routes thr	ough overloaded										
MUST	The Decision system neight	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: pass					
ANVL-ISISV6-	ISO/IEC 10589:19	92(E) S7.3.4 P21 M	ultiple LSPs											
17.8 MUST		comes empty be no longer exis		the adjacenci purge that I										
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass					





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ANVL-ISISV6- 17.11	ISO/IEC 10589:19 Intermediate syste	92(E) s7.2.8.1 p15 C ms	computing routes thr	ough overloaded								
MUST		Process shall bour from an										
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass			
ANVL-ISISV6-	RFC 5308, s2, p2	FC 5308, s2, p2 IPv6 Reachability TLV										
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: FAIL			
ANVL-ISISV6-	RFC 5308, s2, p2	IPv6 Reachability TL	V									
17.14 MUST		s bit in IPv6 I internal metr:		TLV must be se	et 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: pass	FreeBSD 10.3: pass			





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ANVL-ISISV6-	RFC 5308, s2, p3	IPv6 Reachability TL	V										
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: pass				
ANVL-ISISV6- 18.1	ISO/IEC 10589:199	O/IEC 10589:1992(E) S7.2.5 P14 Multiple LSPs for the same system											
MUST	The following number zero a 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: FAIL	FreeBSD 10.3: FAIL				
ANVL-ISISV6-	ISO/IEC 10589:19	92(E) S7.3 P19 Upd	ate process										
18.2 MUST		rocess is resp		generating and									
	Ubuntu 16.04: Ub												
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass				





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ANVL-ISISV6- 18.3	ISO/IEC 10589:199	92(E) S7.3.2 P19-20	Generation of local	link state "								
MUST	under the fo	rocess is resp llowing circum	mstances:	generating Lin								
	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: unpredict	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL			
ANVL-ISISV6-	ISO/IEC 10589:199	V/IEC 10589:1992(E) S7.3.8 P22 Generation of level 1 pseudonode LSPs										
18.4 MUST		resses option	will not be pon behalf of p	present when a pseudonode	n IS generate	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: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict			
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	If this is a	ropagation of LSPs f this is a level 1 LSP and the Maximum Area Address field is not qual to the value of the ISs Maximum Area Address then the PDU shall e 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: pass			





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ANVL-ISISV6-	ISO/IEC 10589:1992(E) s7.3.14.1 p23 Propagation of LSPs												
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: pass				
ANVL-ISISV6-	ISO/IEC 10589:19	D/IEC 10589:1992(E) s7.3.14.2 p24 Propagation of LSPs											
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: pass				
ANVL-ISISV6-	ISO/IEC 10589:19	92(E), s7.3.14.2, p24	I, Propagation of LS	Ps									
18.8 MUST	1 1 3	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: pass				





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ANVL-ISISV6-	ISO/IEC 10589:199	ISO/IEC 10589:1992(E) s7.3.14.2 p24 Propagation of LSPs											
18.9 MUST	Propagation of LSPs When an Intermediate System receives a LSP older than the one stored in the database, the stored link state PDU needs to be sent on the link from which the older one was received												
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: FAIL	Ubuntu 16.04: unpredict	Ubuntu 16.04: unpredict	Ubuntu 16.04: pass				
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass				
ANVL-ISISV6- 18.10	ISO/IEC 10589:199	ISO/IEC 10589:1992(E) S7.3.16.3 P29 Remaining Lifetime Field											
MUST	Propagation of LSPs When the source generates a link state PDU, it shall set the Remaining Lifetime to MaxAge. Before transmitting a link state PDU to a neighbour, a system shall decrement the Remaining Lifetime												
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass				
ANVL-ISISV6-	RFC 1195 S3.1 P1	5 Exchange of routi	ng information										
18.12 MUST				ddress are rea	achable 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: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL				
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass									





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ANVL-ISISV6-	RFC 1195 S3.7 P2	4 IP-Only Operation											
18.13 MUST	Some of the omitted 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: Ub												
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass				
ANVL-ISISV6- 19.1	ISO/IEC 10589:199	O/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: pass				
ANVL-ISISV6-	ISO/IEC 10589:199	92(E) S7.3 P19 Upd	ate process										
19.2 MUST	The update p		e System ponsible for g liably through										
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass				





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ANVL-ISISV6- 19.3	ISO/IEC 10589:199	92(E) S7.3.2 P19-20	Generation of local	link state "								
MUST	The update prunder the formula with the contract of the contra	llowing circui	ponsible for g	generating Lin								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass			
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: pass			
ANVL-ISISV6-	ISO/IEC 10589:199	V/IEC 10589:1992(E) S7.3.8 P22 Generation of level 2 pseudonode LSPs										
19.4 MUST	The Area Add:			present when a pseudonode	n IS generate	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: pass			
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	ultiple LSPs for the Same System I this is a level 2 LSP and the Maximum Area Address field is not Qual to the value of the ISs Maximum Area Address then the PDU shall e 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: pass			





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ANVL-ISISV6-	ISO/IEC 10589:1992(E) s7.3.14.1 p23 Propagation of LSPs												
19.6 MUST		s for the Same Us are detecte		1									
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass				
ANVL-ISISV6-	ISO/IEC 10589:19	ISO/IEC 10589:1992(E) s7.3.14.2 p24 Propagation of LSPs											
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: pass				
ANVL-ISISV6-	ISO/IEC 10589:19	92(E), s7.3.14.2, p24	4, Propagation of LS	Ps									
19.8 MUST	When propaga	Multiple LSPs for the Same System When propagating a L2 LSP on a broadcast subnetwork, the IS shall transmit to the multi-destination Address AllL2IS.											
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass				





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ANVL-ISISV6-	ISO/IEC 10589:199	92(E) s7.3.14.2 p24	Propagation of LSPs	S								
19.9 MUST	When an Interone one stored in	n the database	em receives a e, the stored	LSP older tha link state PD er one was rec	OU needs to							
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass	FreeBSD 10.3: unpredict			
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: pass			
ANVL-ISISV6-	ISO/IEC 10589:199	92(E) S7.3.16.3 P29	Remaining Lifetime	Field								
19.11 MUST	When the sou: Lifetime to 1		a link state 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: pass			





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ANVL-ISISV6-	RFC 1195 S3.2 P1	7 Exchange of routing	ng information									
19.13 MUST	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										
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										
ANVL-ISISV6-	ISO/IEC 10589:19	92(E) s7.3.16.1 p28	sequence numbers									
20.1 MUST				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: FAIL			





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ANVL-ISISV6-	ISO/IEC 10589:19	ISO/IEC 10589:1992(E) s7.3.16.1 p28 sequence numbers											
SHOULD	The sequence	Sequence Numbers The sequence number of any actually generated Link State PDU should not be zero											
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass				
ANVL-ISISV6-	ISO/IEC 10589:19	ISO/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: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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: pass	FreeBSD 10.3: pass				
ANVL-ISISV6-	ISO/IEC 10589:19	92(E) s7.3.16.2 p29	LSP confusion										
20.4 MUST	If the seque: generated by	Sequence Numbers If the sequence numbers match, but checksums do not and the LSP is not generated by the local system, then store the LSP with zero Remaining Lifetime, and flood the LSP											
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: pass				





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ANVL-ISISV6-	ISO/IEC 10589:19	92(E) s7.3.16.1 p28	sequence numbers									
21.1 MUST				art with seque	ence 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: FAIL			
ANVL-ISISV6-	ISO/IEC 10589:199	O/IEC 10589:1992(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: pass			
ANVL-ISISV6-	ISO/IEC 10589:19	92(E) s7.3.16.1 p29	sequence numbers									
21.3 MUST	LSP Confusion Update sequent system in the	nce number de	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: pass			





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ANVL-ISISV6-	ISO/IEC 10589:199	ISO/IEC 10589:1992(E) s7.3.16.2 p29 LSP confusion										
21.4 MUST	If the sequent	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: pass			
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 Cor	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: pass			
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: pass			





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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: pass		
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass		
ANVL-ISISV6-	ISO/IEC 10589:19	92(E) s7.3.19.1 p31	Entering the waiting	state							
24.2 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: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict		
ANVL-ISISV6-	RFC3719 Section	2.1 Page 3 " MaxAg	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: FAIL		
ANVL-ISISV6-	RFC3719 Section	RFC3719 Section 2.2 Page 4 " ISISv6HoldingMultiplier"									
25.3 MAY	ISISUpdate - An implement	RFC 3719 ation MAY allo	ow ISISv6Holdi	ingMultiplier	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: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict		





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ANVL-ISISV6-	RFC3719 Section	RFC3719 Section 3.1 Page 4 " ID Length"										
25.4	ISISUpdate - RFC 3719											
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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass			
ANVL-ISISV6-	RFC3719 Section	3.1 Page 4 " ID Lenç	gth"									
25.5 MUST	If a router	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:	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	pass			
ANVL-ISISV6-	RFC3719 Section 3.2 Page 5 "maximumAreaAddresses"											
25.6 SHOULD	ISISUpdate - RFC 3719 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	FAIL			
ANVL-ISISV6-	RFC3719 Section 3.2 Page 5 " maximumAreaAddresses"											
25.7 MUST		receives a PDT		nAreaAddresses in section 7.3		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	pass			





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ANVL-ISISV6-	RFC3719 Section	RFC3719 Section 3.3 Page 5 " Protocol Version"										
25.8 MUST	If a router : drop the pac	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: pass			
ANVL-ISISV6-	RFC3719 Section	3.3 Page 5 " Protoco	ol Version"									
25.9 MUST	If a router : drop the pac	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: pass			
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: pass			





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	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	2018-06-14	5.0	5.0.1			
ANVL-ISISV6- 26.1	RFC1195, s3.2, p1 Information	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:	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	FAIL			
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:	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	FAIL			
ANVL-ISISV6-	RFC 5308, s2, p2 IPv6 Reachability TLV											
26.3 MUST	If a prefix	is redistribut	ted from a hig	oility Informa gher level to n bit is set t	a lower level							
	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	FAIL			





	Release	Release	Release	Release	Release	Release	Master	Release	Release			
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	2018-06-14	5.0	5.0.1			
ANVL-ISISV6-	RFC3719 Section 2.1 Page 3 " MaxAge"											
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	FAIL			
ANVL-ISISV6-	RFC3719 Section	2.2 Page 4 " ISISv6l	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	pass	unpredict	unpredict			
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	pass			
ANVL-ISISV6-	RFC3719 Section 3.1 Page 4 " ID Length"											
28.5 MUST	If a router		PDU with an II) Length diffe ST discard the		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	pass			





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Release 4.0	Master 2018-06-14	Release 5.0	Release 5.0.1		
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: pass		
ANVL-ISISV6-	RFC3719 Section	3.3 Page 5 " Protoco	ol Version"								
28.9 MUST	If a router and 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: pass		
ANVL-ISISV6-	RFC3719 Section 11 Page 11 "Doppelganger LSPs"										
28.23 MUST	A complete so LSPID ranges (i.e., there	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: pass		