



	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-ISIS-1.1	ISO/IEC 10589:199	O/IEC 10589:1992(E)s9.5 p49 Level 1 LAN IS to IS hello PDU									
MUST	1. Intra-doma 2. PDU type	IS to IS hello ain Routing Pr = 15 rotocol ID ext	cotocol Discri	~	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-ISIS-1.2	ISO/IEC 10589:199	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 PDU Bit 6-8 of PDU Type (5th octet), Reserved (7th octet), bit 3-8 of Reserved/Circuit Type (9th octet) and 8th bit of Priority are reserved which are always set to zero in Level 1 LAN IS to IS hello PDU.									
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass		
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass		





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ANVL-ISIS-1.3	ISO/IEC 10589:199	SO/IEC 10589:1992(E)s9.5 p49 Level 1 LAN IS to IS hello PDU											
MUST	The valid ID 1. An Intege: the correspond 2. The Value	S to IS Hello PDU ne valid ID Length field shall take any one of these following values: . An Integer between 1 and 8, inclusive, indicating an ID field of ne corresponding 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: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	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-ISIS-1.4	ISO/IEC 10589:199	92(E)s9.5 p49-50 Le	vel 1 LAN IS to IS he	ello PDU									
MUST	IS to IS Hell In a LAN Leve		Circuit Type m	ust 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-ISIS-1.5		92(E)s9.5 p50 Level 37-38 Level 1 LAN I	1 LAN IS to IS hello S to IS hello PDU	PDU									
MUST	The valid Coo of Level 1 Li Area Address Protocols Su	S to IS Hello PDU ne valid Codes that must be present in the VARIABLE LENGTH FIELD f Level 1 LAN IS to IS hello PDU are: rea Address rotocols Supported P 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				



RFC Compliance Test Report ISIS Results



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ANVL-ISIS-1.6		RFC 1195 s4.4 p32 Maintaining Router Adjacencies s5.2 p34 Overview of IP-specific Information for IS-IS											
MUST	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-ISIS-1.7	NEGATIVE : RFC	1195 s4.4 p32 Mainta	aining Router Adjace	encies									
MUST	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-ISIS-1.8	ISO/IEC 10589:199	92(E)s9.6 p51 Level	2 LAN IS to IS hello	PDU									
MUST	1. Intra-doma 2. PDU type	IS to IS hello ain Routing Pr = 16 rotocol ID ext	otocol Discri		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	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-ISIS-1.9	ISO/IEC 10589:199	92(E)s9.6 p51 Level	2 LAN IS to IS hello	PDU									
MUST	Bit 6-8 of PR Reserved/Circ	IS to IS Hello PDU Bit 6-8 of PDU Type(5th octet), Reserved(7th octet), bit 3-8 of Reserved/Circuit Type(9th octet) and 8th bit of Priority are reserved which are always set to zero in Level 2 LAN IS to IS hello PDU.											
	Ubuntu 16.04:	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-ISIS-1.10	ISO/IEC 10589:199	92(E)s9.6 p51 Level	2 LAN IS to IS hello	PDU									
MUST	1. An Integer the correspond 2. The Value	Length field r between 1 an	nd 8,inclusive ndicates a six	octet ID, fi	n ID field of eld length	alues:							
	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-ISIS-1.11	ISO/IEC 10589:199	92(E)s9.6 p51 Level	2 LAN IS to IS hello	PDU	-								
MUST	IS to IS Hell In a LAN Leve	lo PDU el 2 IIH the C	Circuit Type m	ust be either	2 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				





	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-ISIS-1.12		92(E)s9.6 p51-52 Le 38-39 Level 2 LAN I		ello PDU					
MUST		des that must AN IS to IS he			LENGTH 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
ANVL-ISIS-1.13		2 Maintaining Router of IP-specific Inform							
MUST		lo PDU supported fie by IP-only ro		esent in all	IS-IS Hello				
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	pass	pass	pass	pass	pass	pass	pass	pass	pass
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	pass	pass	pass	pass	pass	pass	pass	pass	pass
ANVL-ISIS-1.14	NEGATIVE : RFC	1195 s4.4 p32 Mainta	aining Router Adjace	encies					
MUST		lo PDU Supported fie by IP-only ro		esent in all	IS-IS Hello				
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	pass	pass	pass	pass	pass	pass	pass	pass	pass
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	pass	pass	pass	pass	pass	pass	pass	pass	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-ISIS-1.19	RFC 1195 s3.1 p15	5 Exchange of Routin	ng information											
MUST	IP capable ro	IS to IS Hello PDU IP capable routers need to know what network layer protocols are supported by other routers in their area												
	Ubuntu 16.04:	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-ISIS-1.20	RFC 1195 s4.2 p3	1 Multiple IP Address	ses per Interface											
MUST	IS to IS Hello PDU Each interface corresponding to the SNPA over which is transmitted can have maximum of 63 IP addresses													
	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-ISIS-1.21	RFC 1195 s3.1 p1	5 Exchange of Routin	ng information											
MUST		lo PDU outers need to other routers			rotocols are									
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:					
	pass	pass	pass	pass	pass	pass	pass	pass	pass					
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:					
	pass	pass	pass	pass	pass	pass	pass	pass	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-ISIS-1.22	RFC 1195 s4.2 p3	1 Multiple IP Address	ses per Interface										
MUST		lo PDU ce correspondi can have maxim			is								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass				
ANVL-ISIS-1.23	RFC 1195 s4.2 p3	1 Multiple IP Address	ses per Interface										
MUST	Each Interfac	IS to IS Hello PDU Each Interface corresponding to the SNPA over which a L1 LAN IIH PDU is transmitted can have a maximum of 63 IP Addresses											
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	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-ISIS-1.24	RFC 1195 s4.2 p3	1 Multiple IP Address	ses per Interface										
MUST		lo PDU ce correspondi mitted can hav											
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	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-ISIS-2.1	ISO/IEC 10589:199	92(E) s9.8 p54 Level	1 LSPDU									
MUST	Test that the Discriminator	hink State PDU lest that the level 1 LSP must have Intradomaim Routing Protocol liscriminator = 0x83, PDU Type = 18, Version/Protocol ID extension 2nd octet) = 1 and Version (6th octet) = 1 in the Header										
	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-ISIS-2.2	ISO/IEC 10589:199	92(E) s9.8 p54 Level	1 Link State PDU									
MUST		OU OU Type (5th c ch are always										
	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-ISIS-2.3	ISO/IEC 10589:199	92(E) s9.8 p54-55 Le	vel 1 Link State PDU	J								
MUST	values: 1. An integer coresponding 2. The value	Length field r between 1 an	d 8 ,inclusiv	e, indicating x octet ID, f	an ID field o	of						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	pass	pass	pass	pass	pass	pass	pass	pass	pass			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	pass	pass	pass	pass	pass	pass	pass	pass	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-ISIS-2.4		92(E) s9.8 p54-55 Le p40-43 Level 1 Link \$		J					
MUST	of level 1 1: Area Addresse Intermediate Protocols Suj IP Interface	des that must ink state PDU es system Neighk pported	are: oors	the VARIABLE	LENGTH 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:
	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	unpredict	FAIL
ANVL-ISIS-2.11	ISO/IEC 10589:199	92(E) s9.9 p57 Level	2 LSPDU						
MUST	Discriminato:	DU e level 2 LSP r =0x83, PDU 1 nd Version (6t	Type=20,Versio	n/Protocol ID		Ĺ			
	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-ISIS-2.12	ISO/IEC 10589:199	92(E) s9.9 p57 Level	2 Link State PDU			-	-	-	
MUST		DU DU Type (5th c ch are always							
	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-ISIS-2.13	ISO/IEC 10589:199	92(E) s9.9 p57 Level	2 Link State PDU									
MUST	Link State 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:											
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	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-ISIS-2.14		SO/IEC 10589:1992(E) s9.9 p57-59 Level 2 Link State PDU FC 1195 s5.3.5,p43-48 Level 2 Link State PDU										
MUST	of level 2 1: Area Addresse Intermediate Protocols Su IP Interface	des that must ink state PDU es system Neighk pported	are: pors	the VARIABLE	LENGTH 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: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL			
ANVL-ISIS-2.17	RFC 1195 S3.1 P1	5 Exchange of routing	ng information		-		-	•				
MUST	_	DU es that any co re ignored and			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: unpredict	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-ISIS-2.18	RFC 1195 S3.1 P1	RFC 1195 S3.1 P15 Exchange of routing information											
MUST	Link State PDU IS-IS requires that any codes in a received PDU that are not recognized are ignored and passed through unchanged												
	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-ISIS-3.1	ISO/IEC 10589:199	O/IEC 10589:1992(E) s9.10 p60 Level 1 complete sequence numbers PDU											
MUST	Sequence Numbers PDU Level 1 complete sequence number PDU must have Intra-domain Routing protocol Discriminator = 0x83, PDU Type = 24, Version/Protocol ID extension (3rd octet) = 1 and Version (6th octet) = 1 in the header												
	Ubuntu 16.04:	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-ISIS-3.2	ISO/IEC 10589:199	92(E) s9.10 p60 Leve	el 1 Complete seque	nce number PDU									
MUST		bers PDU DU Type (5th c ch are always				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				





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ANVL-ISIS-3.3	ISO/IEC 10589:19	92(E) s9.10 p57 Leve	el 1 complete seque	nce numbers PDU									
MUST	The valid ID shall take as 1. An integer coresponding 2. The value	Sequence Numbers PDU The valid ID Length field in a Level 1 Complete Sequence Number PDU Shall take any one of these following values: An integer between 1 and 8, inclusive, indicating an ID field of coresponding length 2. The value zero, which indicates a six octet ID, field length 3. The value 255, which means a null ID field (i.e., zero length)											
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass				
ANVL-ISIS-3.4 MUST	PDU	SO/IEC 10589:1992(E) s9.10 p60-61 Level 1 complete sequence numbers DU FC 1195 s5.3.6,p48-49 Level 1 complete sequence numbers PDU											
	level 1 comp. 1. LSP Entri	des that must lete sequence	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-ISIS-3.5	ISO/IEC 10589:199 PDU	92(E) s9.10 p61-62 L	evel 2 complete seq	uence numbers									
MUST	protocol Dis	bers PDU lete sequence criminator = 0 rd octet) = 1	x83, PDU Type	= 25, Version	n/Protocol ID								
	Ubuntu 16.04: pass												
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	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-ISIS-3.6	ISO/IEC 10589:19	92(E) s9.11 p62 Leve	el 2 Complete seque	nce number PDU									
MUST	Bit 6-8 of Pi	Sequence Numbers PDU Bit 6-8 of PDU Type (5th octet) and Reserved(7th octet) are reserved which are always set to zero in Level 2 complete sequence numbers PDU											
	Ubuntu 16.04: 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:												
ANVL-ISIS-3.7	ISO/IEC 10589:199 PDU	O/IEC 10589:1992(E) s9.11 p61-62 Level 2 complete sequence numbers											
MUST	shall take as 1. An integes coresponding 2. The value	Length field ny one of thes r between 1 ar	se following vand 8, inclusivon. .ndicates a si	alues: e, indicating x octet ID, f	an ID field o								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	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-ISIS-3.8	PDU	92(E) s9.11 p62 Leve											
	The valid coolevel 2 comp. 1. LSP Entri	dequence Numbers PDU The valid codes that must be present in the VARIABLE LENGTH FIELD of evel 2 complete sequence numbers PDU are: . LSP Entries . Authentication Information											
	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				





	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-ISIS-3.9	ISO/IEC 10589(E)	s9.12 p62-63 Level 1	partial sequence no	umbers PDU							
MUST	Sequence Numbers PDU Level 1 partial sequence number PDU must have Intra-domain Routing protocol Discriminator=0x83, PDU Type=26, Version/Protocol ID extension (3rd octet)=1 and Version (6th octet)=1 in the header										
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	unpredict	unpredict	FAIL	unpredict	unpredict	unpredict	pass	pass	pass		
ANVL-ISIS-3.10	ISO/IEC 10589:199	92(E) s9.12 p63 Leve	el 1 partial sequence	number PDU							
MUST		bers PDU DU Type (5th c ch are always									
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	unpredict	pass	pass	unpredict	pass	unpredict	pass	pass	pass		
ANVL-ISIS-3.11	ISO/IEC 10589:199	92(E) s9.12 p63 Leve	el 1 partial sequence	number PDU							
MUST	values: 1. An intege: coresponding 2. The value	Length field r between 1 an	d 8 , inclusi ndicates a si	ve, indicatin x octet ID,fi	g an ID field	of					
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	unpredict	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-ISIS-3.12		92(E) s9.12 p63 Leve 49 Level 1 partial se											
MUST	The valid coolevel 1 part	equence Numbers PDU he valid codes that must be present in the VARIABLE LENGTH FIELD of evel 1 partial sequence numbers PDU are: . LSP Entries											
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	unpredict	unpredict	unpredict	pass	pass	pass	pass				
ANVL-ISIS-3.13	ISO/IEC 10589(E)	s9.12 p64-65 Level 2	2 partial sequence no	umbers PDU									
MUST	Level 2 part	Sequence Numbers PDU Level 2 partial sequence number PDU must have Intra-domain Routing protocol Discriminator=0x83, PDU Type=27, Version/Protocol ID extension 3rd octet)=1 and Version (6th octet)=1 in the header											
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	unpredict	unpredict	unpredict	unpredict	unpredict	unpredict	pass	pass	pass				
ANVL-ISIS-3.14	ISO/IEC 10589:19	92(E) s9.12 p64 Leve	el 2 partial sequence	number PDU									
MUST		bers PDU DU Type (5th c ch are always											
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	unpredict	unpredict	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-ISIS-3.15	ISO/IEC 10589:19	92(E) s9.12 p64 Leve	el 2 partial sequence	number PDU								
MUST	Sequence Numbers PDU The valid ID Length field shall take any one of these following values: 1. An integer between 1 and 8 ,inclusive,indicating an ID field of coresponding length 2. The value zero, which indicates a six octet ID, field length 3. The value 255, which means anull ID field(ie zero length)											
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass			
	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass			
ANVL-ISIS-3.16		92(E) s9.12 p64 Leve 949 Level 2 partial se										
MUST	The valid coolevel 2 part.	Sequence Numbers PDU The valid codes that must be present in the VARIABLE LENGTH FIELD of Level 2 partial sequence numbers PDU are: L. LSP Entries										
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: 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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass			
ANVL-ISIS-4.1	ISO/IEC 10589:19	92(E), s7.2.4, p14, Li	nks									
MUST	Level 1 Adja IS discover : ISIS Hello P	neighbours and	l forms adjace	ncies by exch	anging							
	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	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-ISIS-4.2	RFC 1195, s5.1, p	33, Overview of ISIS	PDUs						
MUST	Level 1 Adja Hello packets neighbouring	s are used to	initialize an	d maintain ad	jacencies betw	veen			
	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-ISIS-4.3	ISO/IEC 10589:19	92(E), s8.4.2, p44, B	roadcast subnetwork	(IIH PDUs					
MUST	Level 1 Adja An L1 IS sha	cency ll transmit on	nly L1 LAN IIH	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
ANVL-ISIS-4.4	ISO/IEC 10589:19	92(E), s8.4.2, p44, B	roadcast subnetwork	(IIH PDUs					
SHOULD		cency nt by L1 IS sh s of L1 IS adj		the manualAre	aAddresses and	1			
	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-ISIS-4.5	ISO/IEC 10589:19	92(E), s8.4.2, p44, B	roadcast subnetwork	(IIH PDUs					
MUST	Level 1 Adja An L1 IS sha address AllL	ll transmit L1	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





	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-ISIS-4.6	ISO/IEC 10589:199	92(E), s8.4.2, p44, B	roadcast subnetwork	(IIH PDUs							
MUST	Level 1 Adja L1 ISs shall	cency listen on the	multi-destin	ation address	AllL1ISs.						
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass		
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass		
ANVL-ISIS-4.7		NEGATIVE: ISO/IEC 10589:1992(E), s8.4.2, p44, Broadcast subnetwork IIH PDUs									
MUST	Level 1 Adjacency L1 ISs shall reject any L1 LAN IIH that doesn"t have the destination as AllL1ISs.										
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass		
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL		
ANVL-ISIS-4.8	ISO/IEC 10589:199	92(E), s8.4.2.1, p44,	IIH PDU acceptance	e tests							
SHOULD		cency gth of the L1 nIDLength, it			lue of the IS						
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass		
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: 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-ISIS-4.9		SO/IEC 10589:1992(E), s8.4.2.2, p45, Receipt of L1 LAN IIH PDUs SO/IEC 10589:1992(E), s8.2.4.2, p38, IIH PDU Processing											
SHOULD	Level 1 Adjacency If the received L1 IIH"s areaAddresses do not match any of the manualAreaAddresses of the L1 IS, it should reject the adjacency.												
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass				
ANVL-ISIS-4.10		92(E), s8.4.2.2, p45, 92(E), s8.2.4.2, p38,											
MUST	Level 1 Adjacency 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-ISIS-4.11		92(E), s8.4.2.2, p45, 92(E), s8.2.4.2, p38,											
MUST		cency ved L1 IIHs ma mumAreaAddress			s equal 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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	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-ISIS-4.12	ISO/IEC 10589:1992(E), s8.4.2.2, p45, Receipt of L1 IIH PDUs												
MUST	Level 1 Adja If the L1 IS: L1 LAN IIH w												
	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-ISIS-4.13		92(E), s8.2.4.2, p38, 92(E), s8.4.2.2, p45,											
MUST	If the L1 IS IS will accep	Level 1 Adjacency If the L1 IS only implements a value of three for maximumAreaAddresses, IS will accept an L1 IIH even if it has a non-matching maximumAreaAddresses value.											
	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-ISIS-4.14	ISO/IEC 10589:199	92(E), s8.4.2.5.1, p4	5, New Adjacencies										
MUST		cency S receives an generated by t			(R), then the	2							
	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-ISIS-4.15	ISO/IEC 10589:199	92(E), s8.4.2.5.1, p4	5, New Adjacencies									
MUST	Level 1 Adja When an L1 I create an ad	S receives an	L1 LAN IIH wi	th its own en	try, then it s	shall						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	pass	pass	pass	pass	pass	pass	pass	pass	pass			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	pass	pass	pass	pass	pass	pass	pass	pass	pass			
ANVL-ISIS-4.16	ISO/IEC 10589:199	92(E), s8.4.2.5.2, p4	5, New Adjacencies									
MUST	Level 1 Adjacency If a neighbour is not heard within the Holding Time, the L1 IS shall purge it from the database.											
	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-ISIS-5.1	ISO/IEC 10589:199	92(E), s7.2.4, p14, Li	nks									
MUST	Level 2 Adjac IS discover I ISIS Hello Pl	neighbours and	l forms adjace	ncies by exch	anging							
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	pass	pass	pass	pass	pass	pass	pass	pass	pass			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	pass	pass	pass	pass	pass	pass	pass	pass	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-ISIS-5.2	RFC 1195, s5.1, p	33, Overview of ISIS	PDUs						
MUST	Level 2 Adja Hello packets neighbouring	s are used to	initialize an	d maintain ad	jacencies betw	veen			
	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-ISIS-5.3	ISO/IEC 10589:19	92(E), s8.4.2, p44, B	roadcast subnetwork	(IIH PDUs					
MUST	Level 2 Adja An L2 IS sha	cency ll transmit or	uly L2 LAN IIH	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
ANVL-ISIS-5.4	ISO/IEC 10589:19	92(E), s8.4.2, p44, B	roadcast subnetwork	(IIH PDUs					
SHOULD		cency nt by L2 IS sh s of L2 IS adj		the manual Ar	ea Addresses a	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
ANVL-ISIS-5.5	ISO/IEC 10589:19	92(E), s8.4.2, p44, B	roadcast subnetwork	(IIH PDUs					
MUST	Level 2 Adja An L2 IS sha address AllL	ll transmit L2	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





	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-ISIS-5.6	ISO/IEC 10589:19	92(E), s8.4.2, p44, B	roadcast subnetwork	(IIH PDUs								
MUST	Level 2 Adja L2 ISs shall	cency listen on the	multi-destin	ation 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-ISIS-5.7	ISO/IEC 10589:19	SO/IEC 10589:1992(E), s8.4.2, p44, Broadcast subnetwork IIH PDUs										
MUST	Level 2 Adjac L2 ISs shall destination	reject any L2	LAN IIH that	doesn"t have	the							
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	pass	pass	pass	pass	pass	pass	pass	pass	pass			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL			
ANVL-ISIS-5.8	ISO/IEC 10589:19	92(E), s8.4.2.1, p44,	IIH PDU acceptance	e tests								
SHOULD		cency gth of the L2 nIDLength, it			e value of the	e ISs						
	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-ISIS-5.9	ISO/IEC 10589:19	92(E), s8.4.2.5.1, p4	5, New Adjacencies									
MUST		cency S receives an generated by t			(R), then the	2						
	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-ISIS-5.10	ISO/IEC 10589:19	92(E), s8.4.2.5.1, p4	5, New Adjacencies									
MUST	Level 2 Adja When an L2 I create an ad	S receives an	L2 LAN IIH wi	th its own en	try, then it s	shall						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	pass	pass	pass	pass	pass	pass	pass	pass	pass			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	pass	pass	pass	pass	pass	pass	pass	pass	pass			
ANVL-ISIS-5.11	ISO/IEC 10589:19	SO/IEC 10589:1992(E), s8.4.2.5.2, p45, New Adjacencies										
MUST		cency ur is not hear m the database		Holding Time,	the L2 IS sha	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			
ANVL-ISIS-6.1	ISO/IEC 10589:19	92(E), s8.4.2, p44, B	roadcast subnetwork	(IIH PDUs								
MUST		Level 2 Adjace shall create s		encies on rec	eipt of L1 and	1 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	unpredict	pass	unpredict	unpredict	pass	pass	pass	pass			
ANVL-ISIS-6.2	ISO/IEC 10589:19	92(E), s8.4.2, p44, B	roadcast subnetwork	(IIH PDUs								
MUST		Level 2 Adjace shall transmit		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			





	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-ISIS-6.3	ISO/IEC 10589:199	92(E), s8.4.2, p44, B	roadcast subnetwork	(IIH PDUs									
MUST	Level 1 and Level 2 Adjacency An L1/L2 IS shall listen on the multi-destination address AllL1ISs and AllL2ISs for L1 and L2 LAN IIHs respectively.												
	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	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass				
ANVL-ISIS-6.4	ISO/IEC 10589:199	SO/IEC 10589:1992(E), s8.4.2, p44, Broadcast subnetwork IIH PDUs											
MUST	Level 1 and Level 2 Adjacency An L1/L2 IS shall reject any LAN IIH that doesn"t have the destination as AllL1ISs or AllL2ISs.												
	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-ISIS-7.1		92(E) s7.2.3 p14 Bro 1 Designated routers											
MUST	Election pro	gnated Routers cess of level ld in the IIH			verifying								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	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-ISIS-7.2		92(E) s7.2.3 p14 Bro 1 Designated routers											
MUST	Level 1 Designated Routers and Pseudonodes Election process of level 1 designated IS is done by verifying priority field in the IIH												
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL				
ANVL-ISIS-7.3		D/IEC 10589:1992(E) s7.2.3 p14 Broadcast subnetwork C 1195 s4.3 p31 Designated routers and Pseudonodes											
MUST	Election prod	Level 1 Designated Routers and Pseudonodes Election process of level 1 designated IS is done by verifying priority field in the IIH and the MAC address											
	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-ISIS-7.4		92(E) s7.2.3 p14 Bro 1 Designated routers											
MUST	Election prod	gnated Routers cess of level ld in the IIH	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				





	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-ISIS-7.5	ISO/IEC 10589:199	92(E) s8.4.5 p46 LAN	l designated IS			-					
MUST		gnated Routers omes an L1 Des SP			mit L1						
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass		
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	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-ISIS-7.6	ISO/IEC 10589:199	SO/IEC 10589:1992(E) s8.4.5 p47 LAN designated ISs									
MUST	Level 1 Designated Routers and Pseudonodes An L1 IS shall transmit L1 LAN IIHs with the LAN ID field set to the LAN ID of the designated L1 IS										
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass		
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass		
ANVL-ISIS-8.1		92(E) s7.2.3 p14 Bro 1 Designated routers									
MUST	Election pro	gnated Routers cess of level ld in the IIH			verifying						
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		





	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-ISIS-8.2		92(E) s7.2.3 p14 Bro 1 Designated routers										
MUST	Election prod	gnated Routers cess of level ld in the IIH			verifying							
	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-ISIS-8.3		D/IEC 10589:1992(E) s7.2.3 p14 Broadcast subnetwork C 1195 s4.3 p31 Designated routers and Pseudonodes										
MUST	Level 2 Designated Routers and Pseudonodes Election process of level 2 designated IS is done by verifying priority field in the IIH and the MAC address											
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass			
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass			
ANVL-ISIS-8.4		92(E) s7.2.3 p14 Bro 1 Designated routers										
MUST	Election prod	gnated Routers cess of level ld in the IIH	2 designated	IS is done by	verifying							
	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			





	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-ISIS-8.5	ISO/IEC 10589:19	92(E) s8.4.5 p46 LAN	N designated IS										
MUST	•	gnated Routers omes an L2 Des SP			it L2								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	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-ISIS-8.6	ISO/IEC 10589:19	ISO/IEC 10589:1992(E) s8.4.5 p47 LAN designated ISs											
MUST	An L2 IS sha	Level 2 Designated Routers and Pseudonodes An L2 IS shall transmit L2 LAN IIHs with the LAN ID field set to the LAN ID of the designated L2 IS											
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass				
ANVL-ISIS-9.1	ISO/IEC 10589:19 RFC 1195 s3.9 p2	92(E) s8.4.2.1 p44 III 5 Authentication	H PDU Acceptance	Tests									
MUST	If authentic	Circuit Auther ation is enabl ain the auther PDU	ed on a circu										
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	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-ISIS-9.2	ISO/IEC 10589:199 RFC 1195 s3.9 p29	92(E) s8.4.4 p46 Trai 5 Authentication	nsmission of LAN III	I PDUs								
MUST	An L1 IS will containing the	Level 1 LAN Circuit Authentication 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: 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-ISIS-9.3		V/IEC 10589:1992(E) s8.4.2.1 p45 IIH PDU Acceptance Tests C 1195 s3.9 p25 Authentication										
MUST	If authentical contains auth	Circuit Auther ation is enabl hentication in ches any of th PDU	ed on a circu formation of	type Password	, 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-ISIS-9.4	ISO/IEC 10589:199 RFC 1195 s3.9 p29	92(E) s8.4.2.1 p45 III 5 Authentication	H PDU Acceptance	Tests								
MUST	If authentica contains auth Password does	Circuit Authen ation is enabl hentication in s not match an scards the PDU	ed on a circu formation of y of the circ	type Password	, and if this	IIH						
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass			
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: 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-ISIS-9.5	ISO/IEC 10589:199 RFC 1195 s3.9 p29	92(E) s8.4.2.1 p45 III 5 Authentication	H PDU Acceptance ⁻	Tests									
MUST	If authentica	Level 1 LAN Circuit Authentication If authentication is enabled on a circuit and the received L1 LAN IIH contains authentication information of a type that the IS doesn"t implement, then the IS discards the PDU											
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass				
ANVL-ISIS-10.1		D/IEC 10589:1992(E) s8.4.2.1 p45 IIH PDU Acceptance Tests C 1195 s3.9 p25 Authentication											
MUST	If authentica	Circuit Auther ation is enabl ain the auther PDU	ed on a circu.										
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	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-ISIS-10.2	ISO/IEC 10589:199 RFC 1195 s3.9 p29	92(E) s8.4.4 p46 Trai 5 Authentication	nsmission of LAN III-	I PDUs									
MUST	An L2 IS will containing the	Circuit Auther l include auth he circuitTran IH PDU if auth	nentication in nsmitPassword	as the authen	tication value	e in							
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	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-ISIS-10.3	ISO/IEC 10589:19 RFC 1195 s3.9 p2	92(E) s8.4.2.1 p45 III 5 Authentication	H PDU Acceptance ⁻	Tests								
MUST	Level 2 LAN Circuit Authentication If authentication is enabled on a circuit and the received L2 LAN IIH contains authentication information of type Password, and if this Password matches any of the circuitReceivePasswords, then the L2 IS accepts the PDU											
	Ubuntu 16.04:	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-ISIS-10.4		O/IEC 10589:1992(E) s8.4.2.1 p45 IIH PDU Acceptance Tests FC 1195 s3.9 p25 Authentication										
MUST	If authentication contains auther Password does	Circuit Auther ation is enabl hentication ir s not match ar scards the PDU	ed on a circunformation of ay of the circ	type Password	, and if this	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-ISIS-10.5	ISO/IEC 10589:199 RFC 1195 s3.9 p2	92(E) s8.4.2.1 p45 III 5 Authentication	H PDU Acceptance ⁻	Tests								
MUST	If authentical IIH contains	Circuit Authen ation is enabl authenticatio hen the IS dis	ed on a circu on information	of a type th		sn"t						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	pass	pass	pass	pass	pass	pass	pass	pass	pass			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	pass	pass	pass	pass	pass	pass	pass	pass	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-ISIS-11.1	ISO/IEC 10589:199 information	92(E) s7.3.2 p19-p20	Generation of local	link state										
MUST	The update pounder the following	Periodic LSP Generation 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-ISIS-11.2	ISO/IEC 10589:199	SO/IEC 10589:1992(E) s7.3.5 p21 Periodic LSP Generation												
MUST	The Intermed	Periodic LSP Generation 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-ISIS-11.3	ISO/IEC 10589:199	92(E) s7.3.5 p21 Per	iodic LSP Generatio	n										
MUST		Generation iate System sh ximum LSPGener			t intervals									
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass					
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: 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-ISIS-11.4	ISO/IEC 10589:199	92(E) s7.3.16.1 p29	Sequence number										
SHOULD	Periodic LSP Generation When the sequence number reaches the Sequence Modulus, the routing module should be disabled for a period of at least MaxAge + ZeroAgeLifetime												
	Ubuntu 16.04:	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-ISIS-11.5		D/IEC 10589:1992(E) s7.3.16.3-4 p29 Remaining LifeTime Field & LSP piration synchronization											
MUST	If the Remain	Periodic LSP Generation If the Remaining LifeTime field of the received LSP is zero The system shall purge that LSP from its database and synchronizes By flooding an expired LSP											
	Ubuntu 16.04:	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	unpredict	unpredict	pass	unpredict	pass	pass	pass	pass				
ANVL-ISIS-11.6	ISO/IEC 10589:199 Expiration synchro	92(E) s7.3.16.3-4 p2	9 Remaining LifeTim	e Field & LSP									
MUST	the system sl	Generation ning LifeTime hall purge tha an expired LSF	at LSP from it			5							
	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	unpredict	unpredict	unpredict	unpredict	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-ISIS-11.7	ISO/IEC 10589:199	SO/IEC 10589:1992(E) s7.3.2 p19-p20 Generation of local link state information												
MUST	The update pounder the following	Periodic LSP Generation The update process is responsible for generating Link State PDUs under the following circumtances. - Upon Timer Expiration (LSPGenerationTimer)												
	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-ISIS-11.8	ISO/IEC 10589:199	92(E) s7.3.16.1 p29	Sequence number											
SHOULD	When the sequent	Periodic LSP Generation When the sequence number reaches the Sequence Modulus, the routing module should be disabled for a period of at least MaxAge + ZeroAgeLifetime												
	Ubuntu 16.04:	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-ISIS-17.1	RFC 1195 S3.5 P2	3 Type of Service Ro	outing											
MUST	which support	ice Routing no path from s ts that partic ing default me	ular type of	ination made service, then	up of routers, the packet wi	111								
	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	unpredict	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-ISIS-17.2	ISO/IEC 10589:199	92(E) S7.3.4 P21 Mu	ltiple LSPs						
MUST		comes empty be no longer exis							
	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-ISIS-17.3	RFC 1195 s5.3.4 F	242 Level 1 Link State	e PDU						
MUST	Type of Servi Bit 8 of DEFA on transmiss:	AULT METRIC is	reserved and	must be set	to zero				
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	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-ISIS-17.4	RFC 1195 s5.3.4 F	242 Level 1 Link State	e PDU						
MUST		ice Routing AULT METRIC fi nternal metric		/E) must be s	et to zero				
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	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-ISIS-17.5	ISO/IEC 10589:199 Intermediate system	92(E) s7.2.8.1 p15 C ms	omputing routes thro	ough overloaded										
MUST	The Decision system neighl	ype of Service Routing he Decision Process shall not utilise a link to an Intermediate ystem neighbour from an IS whose LSPs have the LSP Data-base verload indication set.												
	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-ISIS-17.7	RFC 1195 S3.5 P2	23 Type of Service Ro	outing											
MUST	If there is which support	Type of Service Routing If there is no path from source to destination made up of routers, which supports that particular type of service, then the packet will Forwarded using default metric												
	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-ISIS-17.8	ISO/IEC 10589:199	92(E) S7.3.4 P21 Mu	ltiple LSPs											
MUST		comes empty be no longer exis												
	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-ISIS-17.9	RFC 1195 s5.3.5 F	245 Level 2 Link State	e PDU										
MUST	Type of Service Routing Bit 8 of DEFAULT METRIC is reserved and must be set to zero on transmission												
	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-ISIS-	RFC 1195 s5.3.4 F	245 Level 2 Link State	e PDU										
17.10 MUST	Type of Service Routing Bit 7 of DEFAULT METRIC field (marked I/E) must be set to zero indicating internal metric												
	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-ISIS- 17.11	ISO/IEC 10589:199 Intermediate system	92(E) s7.2.8.1 p15 C ms	omputing routes thro	ough overloaded									
MUST		Process shall bour from an I											
	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-ISIS-18.1	ISO/IEC 10589:19	92(E) S7.2.5 P14 Mu	ltiple LSPs for the sa	ame system									
MUST	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: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	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-ISIS-18.2	ISO/IEC 10589:19	92(E) S7.3 P19 Upda	ate process										
MUST	The update p	Propagation of LSPs The update process is responsible for generating and propagating Link State information reliably throughout the routing domain											
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass				
ANVL-ISIS-18.3	ISO/IEC 10589:199	92(E) S7.3.2 P19-20	Generation of local	link state "									
MUST	under the fo - When notif	of LSPs rocess is resp llowing circum ied by the sub tabase change	stances:										
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	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-ISIS-18.4	ISO/IEC 10589:199	92(E) S7.3.8 P22 Ge	neration of level 1 ps	seudonode LSPs									
MUST	Propagation of LSPs The Area Addresses option will not be present when an IS generates a level 1 Link State PDU on behalf of pseudonode												
	Ubuntu 16.04:	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-ISIS-18.5	ISO/IEC 10589:199 PDU	92(E) S7.3.15.1 P24-	25 Action on receipt	of Link state									
MUST	If this is a	Propagation of LSPs If this is a level 1 LSP and the Maximum Area Address field is not equal to the value of the ISs Maximum Area Address then the PDU shall be discarded											
	Ubuntu 16.04:	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-ISIS-18.6	ISO/IEC 10589:199	92(E) s7.3.14.1 p23 l	Propagation of LSPs										
MUST	Propagation of Duplicate PD	of LSPs Us are detecte	d and dropped										
	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-ISIS-18.7	ISO/IEC 10589:199	92(E) s7.3.14.2 p24	Propagation ofLSPs								
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:	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-ISIS-18.8	ISO/IEC 10589:199	O/IEC 10589:1992(E), s7.3.14.2, p24, Propagation of LSPs									
MUST		of LSPs ting a L1 LSP the multi-dest			the IS shall						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-18.9	ISO/IEC 10589:199	92(E) s7.3.14.2 p24	Propagation of LSPs								
MUST	one stored in	of LSPs rmediate Syste n the database he link form w	e, the stored	link state PD	U needs to						
	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	unpredict	unpredict	pass	pass	unpredict		





	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-ISIS-	ISO/IEC 10589:1992(E) S7.3.16.3 P29 Remaining Lifetime Field												
18.10 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-ISIS-	RFC 1195 S3.1 P1	5 Exchange of routir	ng information										
18.12 MUST	Propagation of LSPs Level 1 routers need to know what IP address are reachable from each level 1 router in their area												
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	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-ISIS-	RFC 1195 S3.7 P2	4 IP-Only Operation											
18.13 MUST	omitted for 3	of LSPs VARIABLE LENGT IP only router stem Neighbour Neighbours en	s s entries are	omitted	acket must be								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	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-ISIS-19.1	ISO/IEC 10589:199	92(E) S7.2.5 P14 Mu	ultiple LSPs for the sa	ame system									
MUST	The following number zero at 1. The setting 2. The value	eneration of Local Link State Information he following information shall be taken only from LSP with LSP umber zero and disregarded if the LSP number is non-zero . The setting of the LSP Database Overload bit . The value of the IS Type field . The Area Addresses option 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				
ANVL-ISIS-19.2	ISO/IEC 10589:199	92(E) S7.3 P19 Upda	ate process					-					
MUST	The update p	rocess is resp	State Informat consible for g iably through	enerating 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				
ANVL-ISIS-19.3	ISO/IEC 10589:199	92(E) S7.3.2 P19-20	Generation of local	link state "									
MUST	The update prunder the formula the moder the formula the motifications are notificated as the modern than the modern the	rocess is resp llowing circum	State Informat consible for g nstances: onetwork depen	enerating Lin									
	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-ISIS-19.4	ISO/IEC 10589:199	92(E) S7.3.8 P22 Ge	neration of level 2 ps	seudonode LSPs									
MUST	Generation of Local Link State Information The Area Addresses option will not be present when an IS generates a level 2 Link State PDU on behalf of pseudonode												
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass				
ANVL-ISIS-19.5	ISO/IEC 10589:199 PDU	SO/IEC 10589:1992(E) S7.3.15 P24-25 Action on receipt of Link state DU											
MUST	If this is a	Generation of Local Link State Information If this is a level 2 LSP and the Maximum Area Address field is not equal to the value of the ISs Maximum Area Address then the PDU shall be discarded											
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass				
ANVL-ISIS-19.6	ISO/IEC 10589:199	92(E) s7.3.14.1 p23	Propagation of LSPs										
MUST		f Local Link S Us are detecte		-									
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	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-ISIS-19.7	ISO/IEC 10589:199	92(E) s7.3.14.2 p24 l	Propagation ofLSPs										
MUST	Level 2 Link	f Local Link S State PDUs sh Level 2 adjac	all be propag	-	ion ated on circuits, which have								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	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-ISIS-19.8	ISO/IEC 10589:199	SO/IEC 10589:1992(E), s7.3.14.2, p24, Propagation of LSPs											
MUST	When propaga	Generation of Local Link State Information When propagating a L2 LSP on a broadcast subnetwork, the IS shall Cransmit 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				
ANVL-ISIS-19.9	ISO/IEC 10589:199	92(E) s7.3.14.2 p24 l	Propagation of LSPs										
MUST	When an Interone one stored in	f Local Link S rmediate Syste n the database ne link form w	em receives a e, the stored	LSP older that link state PD	U 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: unpredict	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				





	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-ISIS- 19.10	ISO/IEC 10589:199 PDU	92(E) s7.3.15.1 p24	Action on receipt of a	a link state										
MUST	If the ID Le	Generation of Local Link State Information 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-ISIS- 19.11	ISO/IEC 10589:1992(E) S7.3.16.3 P29 Remaining Lifetime Field													
MUST	Generation of Local Link State Information 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-ISIS-	RFC 1195 S3.2 P1	7 Exchange of routir	ng information											
19.13 MUST	Level 2 route	f Local Link S ers need to kr router in the	now what IP ad	-	chable 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:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:					





	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-ISIS-	RFC 1195 S3.7 P2	25 IP-Only Operation											
19.14 MUST	Generation of Local Link State Information Some of the VARIABLE LENGTH fields from IS-IS link packet must be omitted for IP only routers - The End System Neighbours entries are omitted - The Prefix Neighbours entries are omitted												
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass				
ANVL-ISIS-20.1	ISO/IEC 10589:19	92(E) s7.3.16.1 p28	sequence numbers										
MUST	Level 1 LSP Sequence Numbers When a system initializes, it shall start with sequence number with 1 for its own Link State PDUs:												
	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL				
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL				
ANVL-ISIS-20.2	ISO/IEC 10589:19	92(E) s7.3.16.1 p28	sequence numbers										
SHOULD		Sequence Numbe number of any e zero		erated Link S	tate 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-ISIS-20.3	ISO/IEC 10589:199	92(E) s7.3.16.1 p29	sequence numbers										
MUST	Level 1 LSP Sequence Numbers Update sequence number depending on the sequence number received from system in the domain												
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
ANVL-ISIS-20.4	ISO/IEC 10589:199	O/IEC 10589:1992(E) s7.3.16.2 p29 LSP confusion											
MUST	If the sequengenerated by	Level 1 LSP 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:	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	unpredict	unpredict	unpredict	FAIL	unpredict	unpredict	pass	pass				
ANVL-ISIS-21.1	ISO/IEC 10589:199	92(E) s7.3.16.1 p28	sequence numbers										
MUST	When a system	Sequence Numbe m initializes, ts own Link St	it shall sta	rt with seque	nce number								
	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 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-ISIS-21.2	ISO/IEC 10589:1992(E) s7.3.16.1 p29 sequence numbers									
SHOULD	Level 2 LSP 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-ISIS-21.3	ISO/IEC 10589:1992(E) s7.3.16.1 p29 sequence numbers									
MUST	Level 2 LSP 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: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	
ANVL-ISIS-21.4	ISO/IEC 10589:199	92(E) s7.3.16.2 p29 l	_SP confusion							
MUST	Level 2 LSP 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: unpredict	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: pass	FreeBSD 10.3:	FreeBSD 10.3:	





	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-ISIS-24.1	ISO/IEC 10589:19	92(E) s7.3.19.1 p31	Entering the waiting	state								
MUST	When an LSP	Waiting State When an LSP cannot be stored, the LSP shall be ignored and waiting State will be entered										
	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-ISIS-24.2	ISO/IEC 10589:19	ISO/IEC 10589:1992(E) s7.3.19.1 p31 Entering the waiting state										
MUST	Waiting State When an LSP cannot be stored, the LSP shall be ignored and waiting State will be entered											
	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	unpredict	FAIL	unpredict	FAIL	FAIL	pass	pass	pass			
ANVL-ISIS-25.2	RFC3719 Section	2.1 Page 3 " MaxAge	•"									
SHOULD		RFC 3719 D exceed maxim the Remaining			atleast 300 s	seconds						
	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-ISIS-25.3	RFC3719 Section	2.2 Page 4 " ISISHol	dingMultiplier"									
MAY	ISISUpdate - An implement	RFC 3719 ation MAY allo	w ISISHolding	Multiplier to	be configurak	ole.						
	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	unpredict	FAIL	unpredict	FAIL	unpredict	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-ISIS-25.4	RFC3719 Section	3.1 Page 4 " ID Leng	th"									
MUST	ISISUpdate - RFC 3719 An implementation MUST use an ID Length of 6.											
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	pass	pass	pass	pass	pass	pass	pass	pass	pass			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	pass	pass	pass	pass	pass	pass	pass	pass	pass			
ANVL-ISIS-25.5	RFC3719 Section	RFC3719 Section 3.1 Page 4 " ID Length"										
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-ISIS-25.6	RFC3719 Section	3.2 Page 5 "maximur	mAreaAddresses"									
SHOULD	ISISUpdate - An implement	RFC 3719 ation SHOULD u	se 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-ISIS-25.7	RFC3719 Section	3.2 Page 5 " maximu	mAreaAddresses"									
MUST	ISISUpdate - RFC 3719 If a router receives a PDU with maximumAreaAddresses that is not 0 or 3, it MUST discard the PDU, as described in section 7.3.15.a.3											
	Ubuntu 16.04:	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-ISIS-25.8	RFC3719 Section 3.3 Page 5 " Protocol Version"										
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-ISIS-25.9	RFC3719 Section	3.3 Page 5 " Protoco	I Version"								
MUST	ISISUpdate - RFC 3719 If a router receives a PDU with a value other than 1 for either field, it MUST drop the packet. Note: Verify the Version/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-ISIS-	RFC3719 Section 11 Page 11 "Doppelganger LSPs"										
25.23 MUST	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		





	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-ISIS-26.2	RFC3719 Section	2.1 Page 3 " MaxAge	9"								
SHOULD	MaxAge SHOULI	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-ISIS-26.3	RFC3719 Section 2	RFC3719 Section 2.2 Page 4 " ISISHoldingMultiplier"									
MAY		ISISUpdate - RFC 3719 Part 2 An implementation MAY allow ISISHoldingMultiplier 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:		
	pass	pass	pass	pass	pass	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:		
	pass	unpredict	pass	pass	pass	unpredict	unpredict	unpredict	pass		
ANVL-ISIS-26.4	RFC3719 Section	3.1 Page 4 " ID Leng	th"								
MUST	-	RFC 3719 Part ation MUST use		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-ISIS-26.5	RFC3719 Section	3.1 Page 4 " ID Leng	th"		-	-		-			
MUST	If a router of	ISISUpdate - RFC 3719 Part 2 If a router encounters a PDU with an ID Length different from 0 or 6, section 7.3.15.a.2 dictates that it MUST discard the PDU									
	Ubuntu 16.04:	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-ISIS-26.8	-26.8 RFC3719 Section 3.3 Page 5 " Protocol Version"										
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:	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-ISIS-26.9	RFC3719 Section	3.3 Page 5 " Protoco	I Version"								
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/Protocol 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		
ANVL-ISIS-	RFC3719 Section 11 Page 11 "Doppelganger LSPs"										
26.23 MUST	ISISUpdate - RFC 3719 Part 2 A complete set of CSNPs is a set whose Start LSPID and End LSPID ranges cover the complete possible range of LSPIDs. (i.e., there is no possible LSPID value which does not appear within the range of one of the CSNPs in the set).										
	Ubuntu 16.04:	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		