



	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14	
Туре	FRR	FRR	FRR	FRR	FRR	FRR	FRR	FRR	FRR	
Commit ID	3e71b5d	f633dc2	36a7e78	30283fd	5dff4ec	7c0c85a	5b8b08d	7a377a1	6ca96cc	
Commit Date	2017-04-02	2017-10-14	2017-11-08	2017-11-08	2018-01-09	2018-01-17	2018-02-07	2018-03-12	2018-03-15	
ANVL-ISIS-1.1	ISO/IEC 10589:199	92(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	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: untested	
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 PI 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: untested	





	Release	Release	Release	Release	Release	Master	Master	Release	Master		
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14		
ANVL-ISIS-1.3	ISO/IEC 10589:199	92(E)s9.5 p49 Level	1 LAN IS to IS hello	PDU							
MUST	1. An Integer the corresport 2. The Value	Length field r between 1 an	d 8, inclusiv ndicates a si	e, indicating x octet ID, fi	an ID field o ield length						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass	pass	pass	untested		
ANVL-ISIS-1.4	ISO/IEC 10589:199	92(E)s9.5 p49-50 Le	vel 1 LAN IS to IS he	llo PDU							
MUST	IS to IS Hell In a LAN Leve	lo PDU el 1 IIH the C	ircuit Type m	ust be either	1 or 3						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass	pass	pass	untested		
ANVL-ISIS-1.5		92(E)s9.5 p50 Level 37-38 Level 1 LAN I		PDU							
MUST	The valid Coo of Level 1 Li Area Address Protocols Su	S to IS Hello PDU he valid Codes that must be present in the VARIABLE LENGTH FIELD f Level 1 LAN IS to IS hello PDU are: rea Address rotocols Supported P Interface 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	untested		



RFC Compliance Test Report ISIS Results



	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14				
ANVL-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: untested				
ANVL-ISIS-1.7	NEGATIVE : RFC	NEGATIVE : RFC 1195 s4.4 p32 Maintaining Router Adjacencies											
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: untested				
ANVL-ISIS-1.8	ISO/IEC 10589:199	92(E)s9.6 p51 Level :	2 LAN IS to IS hello	PDU									
MUST	Level 2 LAN 3 1. Intra-doma 2. PDU type = 3. Version/Pa	IS to IS Hello PDU Level 2 LAN IS to IS hello PDU must have 1. Intra-domain Routing Protocol Discriminator = 0x83 2. PDU type = 16 3. Version/Protocol ID extension = 1 4. Version = 1											
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				





	Release	Release	Release	Release	Release	Master	Master	Release	Master				
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14				
ANVL-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 PI 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	untested				
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 corresport 2. The Value	Length field r between 1 an	d 8,inclusive dicates a six	,indicating as	n ID field of eld length	lues:							
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				
ANVL-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	ircuit 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	untested				





	Release	Release	Release	Release	Release	Master	Master	Release	Master
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14
ANVL-ISIS-1.12		92(E)s9.6 p51-52 Lev 38-39 Level 2 LAN IS		illo PDU					
MUST	IS to IS Hell The valid Coc of Level 2 La Area Address Protocols Sup IP Interface	des that must AN IS to IS he	be present in llo PDU are :	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:
	pass	pass	pass	pass	pass	pass	pass	pass	pass
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	pass	pass	pass	pass	pass	pass	pass	pass	untested
ANVL-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	untested
ANVL-ISIS-1.14	NEGATIVE : RFC	1195 s4.4 p32 Mainta	aining Router Adjace	ncies					
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	untested





	Release	Release	Release	Release	Release	Master	Master	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14			
ANVL-ISIS-1.19	RFC 1195 s3.1 p15	5 Exchange of Routir	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	untested			
ANVL-ISIS-1.20	RFC 1195 s4.2 p3	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	untested			
ANVL-ISIS-1.21	RFC 1195 s3.1 p15	Exchange of Routir	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	untested			





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14					
ANVL-ISIS-1.22	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 is transmitted can have 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: untested					
ANVL-ISIS-1.23	RFC 1195 s4.2 p3	RFC 1195 s4.2 p31 Multiple IP Addresses per Interface												
MUST	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: untested					
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:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3: untested					





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14				
ANVL-ISIS-2.1	ISO/IEC 10589:199	92(E) s9.8 p54 Level	1 LSPDU					•					
MUST	Discriminator	DU e level 1 LSP r = 0x83, PDU = 1 and Versio	Type = 18, Ve	rsion/Protoco	l ID extension	ı							
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				
ANVL-ISIS-2.2	ISO/IEC 10589:199	92(E) s9.8 p54 Level	1 Link State PDU										
MUST	Bit 6-8 of PI	Link State PDU Bit 6-8 of PDU Type (5th octet) and Reserved (7th octet) are reserved which are always set to zero in Level 1 Link State PDU											
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				
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 between 1 an	d 8 ,inclusiv	e, indicating x octet ID, f:	an ID field c	of							
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				





	Release	Release	Release	Release	Release	Master	Master	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14			
ANVL-ISIS-2.4		92(E) s9.8 p54-55 Le p40-43 Level 1 Link \$		J								
MUST	of level 1 l: Area Addresse Intermediate Protocols Su IP Interface	des that must ink state PDU es system Neighb oported	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	FAIL	untested			
ANVL-ISIS-2.11	ISO/IEC 10589:199	92(E) s9.9 p57 Level	2 LSPDU									
MUST	Link State PDU Test that the level 2 LSP must have Intradomaim Routing Protocol Discriminator =0x83, PDU Type=20,Version/Protocol ID extension(3rd octet) = 1 and Version (6th octet) = 1 in the Header											
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	pass	pass	pass	pass	pass	pass	pass	pass	pass			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	pass	pass	pass	pass	pass	pass	pass	pass	untested			
ANVL-ISIS-2.12	ISO/IEC 10589:199	92(E) s9.9 p57 Level	2 Link State PDU									
MUST	Link State PI Bit 6-8 of PI reserved which	DU DU Type (5th c ch are always	ctet) and Res set to zero i	erved (7th oc n Level 2 Lin	tet) are k State PDU							
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	pass	pass	pass	pass	pass	pass	pass	pass	pass			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	pass	pass	pass	pass	pass	pass	pass	pass	untested			





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14				
ANVL-ISIS-2.13	ISO/IEC 10589:199	92(E) s9.9 p57 Level	2 Link State PDU										
MUST	The valid ID values: 1. An integer coresponding 2. The value	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: passUbuntu 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: untested				
ANVL-ISIS-2.14		O/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 Neighb oported	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: unpredict	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested				
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	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				





	Release	Release	Release	Release	Release	Master	Master	Release	Master					
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14					
ANVL-ISIS-2.18	RFC 1195 S3.1 P1	5 Exchange of routing	g information		-		-	•	-					
MUST	IS-IS require	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	untested					
ANVL-ISIS-3.1	ISO/IEC 10589:199	SO/IEC 10589:1992(E) s9.10 p60 Level 1 complete sequence numbers PDU												
MUST	Level 1 compi	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	untested					
ANVL-ISIS-3.2	ISO/IEC 10589:199	92(E) s9.10 p60 Leve	el 1 Complete seque	nce number PDU										
MUST		oers PDU DU Type (5th c ch are always				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	untested					





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14				
ANVL-ISIS-3.3	ISO/IEC 10589:199	92(E) s9.10 p57 Leve	el 1 complete seque	nce numbers PDU									
MUST	shall take and 1. An integer coresponding 2. The value	Length field ny one of thes r between 1 an	se following valud 8, inclusivandicates a si	alues: e, indicating x octet ID,fie	an ID field o								
	Ubuntu 16.04: pass												
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				
ANVL-ISIS-3.4	PDU	D/IEC 10589:1992(E) s9.10 p60-61 Level 1 complete sequence numbers U C 1195 s5.3.6,p48-49 Level 1 complete sequence numbers PDU											
	level 1 compi 1. LSP Entrie	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: untested				
ANVL-ISIS-3.5	ISO/IEC 10589:199 PDU	92(E) s9.10 p61-62 L	evel 2 complete seq	uence numbers									
MUST	protocol Disc	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: untested				



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	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14				
ANVL-ISIS-3.6	ISO/IEC 10589:199	92(E) s9.11 p62 Leve	el 2 Complete seque	nce number PDU									
MUST	Bit 6-8 of PI												
	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 pass pass pass pass pass pass pas												
ANVL-ISIS-3.7	ISO/IEC 10589:199 PDU	92(E) s9.11 p61-62 L	evel 2 complete seq	uence numbers									
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 2 Complete Sequence Number PDU shall take any one of these following values: 1. An integer between 1 and 8, inclusive, indicating an ID field of coresponding length 2. The value zero, which indicates a six octet ID, field length 3. The value 255, which means a null ID field (i.e., zero length)											
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				
ANVL-ISIS-3.8	PDU	92(E) s9.11 p62 Level 49 Level 2 complete											
	level 2 compi	des that must lete sequence	numbers PDU a		LENGTH FIELD	of							
	Ubuntu 16.04: passUbuntu 16.04: passUbuntu 16.04: passUbuntu 16.04: passUbuntu 16.04: passUbuntu 16.04: passUbuntu 16.04: passUbuntu 16.04: passUbuntu 16.04: pass												
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				





	Release	Release	Release	Release	Release	Master	Master	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14			
ANVL-ISIS-3.9	ISO/IEC 10589(E)	s9.12 p62-63 Level 1	partial sequence nu	ımbers 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	unpredict	unpredict	untested			
ANVL-ISIS-3.10	ISO/IEC 10589:199	92(E) s9.12 p63 Leve	el 1 partial sequence	number PDU								
MUST	Sequence Numbers PDU Bit 6-8 of PDU Type (5th octet) and Reserved (7th octet) are reserved which are always set to zero in Level 1 partial sequence numbers PDU											
	Ubuntu 16.04:	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	unpredict	untested			
ANVL-ISIS-3.11	ISO/IEC 10589:199	92(E) s9.12 p63 Leve	el 1 partial sequence	number PDU								
MUST	values: 1. An integer coresponding 2. The value	Length field r between 1 an	d 8 , inclusi	ve, indicating x octet ID,fic	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	unpredict	unpredict	pass	untested			





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14	
ANVL-ISIS-3.12		92(E) s9.12 p63 Leve 49 Level 1 partial se								
MUST		des that must ial sequence n			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: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: untested	
ANVL-ISIS-3.13	ISO/IEC 10589(E)	s9.12 p64-65 Level 2	2 partial sequence no	umbers PDU						
MUST	protocol Disc	oers PDU ial sequence n criminator=0x8 1 and Version	3, PDU Type=2	7, Version/Pro	otocol ID exte					
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	
	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: untested	
ANVL-ISIS-3.14	ISO/IEC 10589:199	92(E) s9.12 p64 Leve	el 2 partial sequence	number PDU						
MUST		oers PDU DU Type (5th c ch are always								
	Ubuntu 16.04: pass Ubuntu 16.04:									
	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	FreeBSD 10.3: pass	FreeBSD 10.3: untested	





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14				
ANVL-ISIS-3.15	ISO/IEC 10589:19	92(E) s9.12 p64 Leve	el 2 partial sequence	number PDU									
MUST	The valid ID values: 1. An integer coresponding 2. The value	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												
	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: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: untested				
ANVL-ISIS-3.16		CO/IEC 10589:1992(E) s9.12 p64 Level 2 partial sequence number PDU FC 1195 s5.3.9,p49 Level 2 partial sequence number PDU											
MUST		des that must ial sequence n			LENGTH FIELD	of							
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				
ANVL-ISIS-4.1	ISO/IEC 10589:19	92(E), s7.2.4, p14, Li	nks										
MUST	Level 1 Adjac IS discover I ISIS Hello P	neighbours and	forms adjace	ncies by excha	anging								
	Ubuntu 16.04: pass												
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				





	Release	Release	Release	Release	Release	Master	Master	Release	Master
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14
ANVL-ISIS-4.2	RFC 1195, s5.1, p3	33, Overview of ISIS	PDUs						
MUST	Level 1 Adjac Hello packets neighbouring	s are used to	initialize an	d maintain ad	jacencies betw	reen			
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	pass	pass	pass	pass	pass	pass	pass	pass	pass
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	pass	pass	pass	pass	pass	pass	pass	pass	untested
ANVL-ISIS-4.3	ISO/IEC 10589:199	92(E), s8.4.2, p44, B	roadcast subnetwork	(IIH PDUs					
MUST	Level 1 Adjac An L1 IS sha	cency ll transmit on	ly 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	untested
ANVL-ISIS-4.4	ISO/IEC 10589:199	92(E), s8.4.2, p44, B	roadcast subnetwork	(IIH PDUs					
SHOULD		cency nt by L1 IS sh s of L1 IS adj		the manualArea	aAddresses and	l			
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	pass	pass	pass	pass	pass	pass	pass	pass	pass
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	pass	pass	pass	pass	pass	pass	pass	pass	untested
ANVL-ISIS-4.5	ISO/IEC 10589:199	92(E), s8.4.2, p44, B	roadcast subnetwork	(IIH PDUs					
MUST	Level 1 Adjac 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	untested





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14		
ANVL-ISIS-4.6	ISO/IEC 10589:199	92(E), s8.4.2, p44, B	roadcast subnetwork	IIH PDUs							
MUST	Level 1 Adjac 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: untested		
ANVL-ISIS-4.7	NEGATIVE: ISO/IE Broadcast subnetw	C 10589:1992(E), s8 ork IIH PDUs	3.4.2, p44,								
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: untested		
ANVL-ISIS-4.8	ISO/IEC 10589:199	92(E), s8.4.2.1, p44,	IIH PDU acceptance	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: untested		





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14				
ANVL-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		cency ved L1 IIH"s a dresses of the											
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				
ANVL-ISIS-4.10		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											
MUST	If the receiv	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: untested				
ANVL-ISIS-4.11		92(E), s8.4.2.2, p45, 92(E), s8.2.4.2, p38,											
MUST		cency ved L1 IIHs ma numAreaAddress			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: untested				





	Release	Release	Release	Release	Release	Master	Master	Release	Master		
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14		
ANVL-ISIS-4.12	ISO/IEC 10589:199	92(E), s8.4.2.2, p45,	Receipt of L1 IIH PD	Us							
MUST	Level 1 Adjacency If the L1 ISs maximumAreaAddresses is not 3, then it will discard all L1 LAN IIH with 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:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass	pass	pass	untested		
ANVL-ISIS-4.13		92(E), s8.2.4.2, p38, 92(E), s8.4.2.2, p45,		DUs							
MUST	IS will accer	cency only implemen ot an L1 IIH e ddresses value	ven if it has			esses,					
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	untested		
ANVL-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						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass	pass	pass	untested		





	Release	Release	Release	Release	Release	Master	Master	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14			
ANVL-ISIS-4.15	ISO/IEC 10589:199	92(E), s8.4.2.5.1, p4	5, New Adjacencies									
MUST	Level 1 Adjac When an L1 IS 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	untested			
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	untested			
ANVL-ISIS-5.1	ISO/IEC 10589:199	92(E), s7.2.4, p14, Li	nks									
MUST	Level 2 Adjac IS discover n ISIS Hello PI	neighbours and	forms adjace	ncies by excha	anging							
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	pass	pass	pass	pass	pass	pass	pass	pass	pass			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	pass	pass	pass	pass	pass	pass	pass	pass	untested			





	Release	Release	Release	Release	Release	Master	Master	Release	Master		
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14		
ANVL-ISIS-5.2	RFC 1195, s5.1, p	33, Overview of ISIS	PDUs								
MUST	Level 2 Adjace 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	untested		
ANVL-ISIS-5.3	ISO/IEC 10589:19	D/IEC 10589:1992(E), s8.4.2, p44, Broadcast subnetwork IIH PDUs									
MUST	Level 2 Adja An L2 IS sha	cency ll transmit on	aly 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	untested		
ANVL-ISIS-5.4	ISO/IEC 10589:199	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	untested		
ANVL-ISIS-5.5	ISO/IEC 10589:199	92(E), s8.4.2, p44, B	roadcast subnetwork	(IIH PDUs							
MUST	Level 2 Adjac 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	untested		





	Release	Release	Release	Release	Release	Master	Master	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14			
ANVL-ISIS-5.6	ISO/IEC 10589:199	92(E), s8.4.2, p44, B	roadcast subnetwork	(IIH PDUs								
MUST	Level 2 Adjao 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	untested			
ANVL-ISIS-5.7	ISO/IEC 10589:199	SO/IEC 10589:1992(E), s8.4.2, p44, Broadcast subnetwork IIH PDUs										
MUST	Level 2 Adjac L2 ISs shall destination a	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	untested			
ANVL-ISIS-5.8	ISO/IEC 10589:199	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	untested			
ANVL-ISIS-5.9	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	untested			





	Release	Release	Release	Release	Release	Master	Master	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14			
ANVL-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	untested			
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	untested			
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 rece	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	untested			
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	untested			





	Release	Release	Release	Release	Release	Master	Master	Release	Master				
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14				
ANVL-ISIS-6.3	ISO/IEC 10589:199	92(E), s8.4.2, p44, B	roadcast subnetwork	IIH PDUs									
MUST	An L1/L2 IS s	evel 1 and Level 2 Adjacency n L1/L2 IS shall listen on the multi-destination address AllL1ISs and llL2ISs for L1 and L2 LAN IIHs respectively.											
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	unpredict	pass	pass	unpredict	unpredict	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	unpredict	pass	untested				
ANVL-ISIS-6.4	ISO/IEC 10589:199	O/IEC 10589:1992(E), s8.4.2, p44, Broadcast subnetwork IIH PDUs											
MUST	An L1/L2 IS	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:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	untested				
ANVL-ISIS-7.1		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:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				





	Release	Release	Release	Release	Release	Master	Master	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14			
ANVL-ISIS-7.2		92(E) s7.2.3 p14 Bro Designated routers						•				
MUST		gnated Routers cess of level ld in the IIH			verifying							
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	untested			
ANVL-ISIS-7.3		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 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	untested			
ANVL-ISIS-7.4		92(E) s7.2.3 p14 Bro 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	untested			





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14					
ANVL-ISIS-7.5	ISO/IEC 10589:199	92(E) s8.4.5 p46 LAN	N designated IS											
MUST	An L1 IS beco	Level 1 Designated Routers and Pseudonodes An L1 IS becomes an L1 Designated IS, it shall transmit L1 pseudonode LSP												
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass					
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested					
ANVL-ISIS-7.6	ISO/IEC 10589:199	O/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: untested					
ANVL-ISIS-8.1		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: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass					
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3: untested					





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14				
ANVL-ISIS-8.2		92(E) s7.2.3 p14 Broad Designated routers											
MUST	Election prod	gnated Routers cess of level ld in the IIH											
	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL				
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested				
ANVL-ISIS-8.3		SO/IEC 10589:1992(E) s7.2.3 p14 Broadcast subnetwork RFC 1195 s4.3 p31 Designated routers and Pseudonodes											
MUST	Election prod	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: untested				
ANVL-ISIS-8.4		92(E) s7.2.3 p14 Broat 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: untested				





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14			
ANVL-ISIS-8.5	ISO/IEC 10589:199	92(E) s8.4.5 p46 LAN	N designated IS	-			-	-				
MUST	Level 2 Designant L2 IS become pseudonode L3											
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass			
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested			
ANVL-ISIS-8.6	ISO/IEC 10589:199	SO/IEC 10589:1992(E) s8.4.5 p47 LAN designated ISs										
MUST	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: untested			
ANVL-ISIS-9.1	ISO/IEC 10589:199 RFC 1195 s3.9 p29	92(E) s8.4.2.1 p44 III 5 Authentication	H PDU Acceptance	Tests								
MUST	If authentica	Circuit Authen ation is enabl ain the authen 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: untested			





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14			
ANVL-ISIS-9.2	ISO/IEC 10589:1992(E) s8.4.4 p46 Transmission of LAN IIH PDUs RFC 1195 s3.9 p25 Authentication 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											
MUST												
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass			
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested			
ANVL-ISIS-9.3		SO/IEC 10589:1992(E) s8.4.2.1 p45 IIH PDU Acceptance Tests RFC 1195 s3.9 p25 Authentication										
MUST	If authentica contains auth	Circuit Authen ation is enabl nentication in the ches any of the 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: untested			
ANVL-ISIS-9.4	ISO/IEC 10589:199 RFC 1195 s3.9 p25	92(E) s8.4.2.1 p45 III 5 Authentication	H PDU Acceptance	Tests Tests								
MUST	If authentica contains auth Password does	Circuit Authen ation is enabl mentication 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: untested			





	Release	Release	Release	Release	Release	Master	Master	Release	Master				
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14				
ANVL-ISIS-9.5	ISO/IEC 10589:199 RFC 1195 s3.9 p25	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:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				
ANVL-ISIS-10.1		SO/IEC 10589:1992(E) s8.4.2.1 p45 IIH PDU Acceptance Tests IFC 1195 s3.9 p25 Authentication											
MUST	If authentica doesn"t conta	Level 2 LAN Circuit Authentication If authentication is enabled on a circuit and the received L2 LAN IIH Roesn"t contain the authentication information field, the L2 IS shall Riscard the PDU											
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				
ANVL-ISIS-10.2	ISO/IEC 10589:199 RFC 1195 s3.9 p25	92(E) s8.4.4 p46 Trar 5 Authentication	nsmission of LAN III-	l PDUs									
MUST	An L2 IS will containing th	Circuit Authen l include auth ne circuitTran IH PDU if auth	entication in smitPassword	as the authen	tication value	: in							
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				





	Release	Release	Release	Release	Release	Master	Master	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14			
ANVL-ISIS-10.3	ISO/IEC 10589:199 RFC 1195 s3.9 p29	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	untested			
ANVL-ISIS-10.4		SO/IEC 10589:1992(E) s8.4.2.1 p45 IIH PDU Acceptance Tests RFC 1195 s3.9 p25 Authentication										
MUST	If authentica contains auth Password does	Circuit Authen ation is enabl mentication 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:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	pass	pass	pass	pass	pass	pass	pass	pass	pass			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	pass	pass	pass	pass	pass	pass	pass	pass	untested			
ANVL-ISIS-10.5	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	Circuit Authen ation is enabl authenticatio nen the IS dis	ed on a circu n information	of a type tha		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	untested			





	Release	Release	Release	Release	Release	Master	Master	Release	Master				
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14				
ANVL-ISIS-11.1	ISO/IEC 10589:1992(E) s7.3.2 p19-p20 Generation of local link state information												
MUST	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	untested				
ANVL-ISIS-11.2	ISO/IEC 10589:199	SO/IEC 10589:1992(E) s7.3.5 p21 Periodic LSP Generation											
MUST	Periodic LSP Generation The Intermediate System shall regenerate every LSP at intervals of atmost maximum LSPGeneration interval												
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				
ANVL-ISIS-11.3	ISO/IEC 10589:199	92(E) s7.3.5 p21 Peri	odic LSP Generation	n									
MUST		Generation iate System sh kimum LSPGener			t intervals								
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				





	Release	Release	Release	Release	Release	Master	Master	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14			
ANVL-ISIS-11.4	ISO/IEC 10589:199	92(E) s7.3.16.1 p29 \$	Sequence number									
SHOULD	When the sequence module should	riodic LSP Generation en the sequence number reaches the Sequence Modulus, the routing dule should be disabled for a period of at least MaxAge + roAgeLifetime										
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	untested			
ANVL-ISIS-11.5		D/IEC 10589:1992(E) s7.3.16.3-4 p29 Remaining LifeTime Field & LSP piration synchronization										
MUST	the system sl	Generation ning LifeTime nall purge tha an expired LSP	t LSP from it			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:			
	FAIL	unpredict	unpredict	pass	unpredict	pass	unpredict	pass	untested			
ANVL-ISIS-11.6	ISO/IEC 10589:199 Expiration synchro	92(E) s7.3.16.3-4 p29 nization	Remaining LifeTim	e Field & LSP								
MUST	the system sl	Generation ning LifeTime nall purge tha an expired LSP	t 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	untested			





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14				
ANVL-ISIS-11.7	ISO/IEC 10589:199 information	92(E) s7.3.2 p19-p20	Generation of local	link state									
MUST	under the fol	Generation rocess is resp llowing circum Expiration (L	itances.	J	k State PDUs								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested				
ANVL-ISIS-11.8	ISO/IEC 10589:199	92(E) s7.3.16.1 p29 \$	Sequence number										
SHOULD	When the sequent	eriodic LSP Generation hen the sequence number reaches the Sequence Modulus, the routing odule should be disabled for a period of at least MaxAge + eroAgeLifetime											
	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL				
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested				
ANVL-ISIS-17.1	RFC 1195 S3.5 P2	3 Type of Service Ro	outing										
MUST	which support	ice Routing no path from s as that partic ing default me	ular type 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:	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: untested				





	Release	Release	Release	Release	Release	Master	Master	Release	Master				
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14				
ANVL-ISIS-17.2	ISO/IEC 10589:199	92(E) S7.3.4 P21 Mu	ltiple LSPs										
MUST	If an LSP bed in that LSP i	e of Service Routing an LSP becomes empty because of all the adjacencies reported that LSP no longer exists, an IS may purge that LSP instead re-issuing it											
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				
ANVL-ISIS-17.3	RFC 1195 s5.3.4 F	242 Level 1 Link State	e PDU										
MUST	Type of Servi Bit 8 of DEFI 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	untested				
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 se	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	untested				





	Release	Release	Release	Release	Release	Master	Master	Release	Master				
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14				
ANVL-ISIS-17.5	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	untested				
ANVL-ISIS-17.7	RFC 1195 S3.5 P2	3 Type of Service Ro	outing										
MUST	If there is a 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 I corwarded 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	unpredict	pass	untested				
ANVL-ISIS-17.8	ISO/IEC 10589:199	92(E) S7.3.4 P21 Mu	Itiple 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	untested				





	Release	Release	Release	Release	Release	Master	Master	Release	Master
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14
ANVL-ISIS-17.9	RFC 1195 s5.3.5 P	245 Level 2 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	untested
ANVL-ISIS-	RFC 1195 s5.3.4 F	245 Level 2 Link State	e PDU						
17.10 MUST		ice Routing AULT METRIC fi nternal metric		/E) must be se	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	untested
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 oour 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	untested





	Release	Release	Release	Release	Release	Master	Master	Release	Master				
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14				
ANVL-ISIS-18.1	ISO/IEC 10589:199	92(E) S7.2.5 P14 Mu	Itiple LSPs for the sa	ame system									
MUST	The following number zero at 1. The setting 2. The value	Propagation of LSPs The following information shall be taken only from LSP with LSP number zero and disregarded if the LSP number is non-zero 1. The setting of the LSP Database Overload bit 2. The value of the IS Type field 3. The Area Addresses option field											
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				
ANVL-ISIS-18.2	ISO/IEC 10589:199	92(E) S7.3 P19 Upda	ate process										
MUST	The update pr	Propagation of LSPs The update process is responsible for generating and propagating Link State information reliably throughout the routing 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	untested				
ANVL-ISIS-18.3	ISO/IEC 10589:199	92(E) S7.3.2 P19-20	Generation of local l	link state "									
MUST	under the for - When notif:	of LSPs rocess is resp llowing circum ied by the sub tabase change	stances:	3									
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14					
ANVL-ISIS-18.4	ISO/IEC 10589:199	92(E) S7.3.8 P22 Ge	neration of level 1 ps	seudonode LSPs										
MUST	The Area Add	Propagation of LSPs The Area Addresses option will not be present when an IS generates a level 1 Link State PDU on behalf of pseudonode												
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass					
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested					
ANVL-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: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass					
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested					
ANVL-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: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass					
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3:	FreeBSD 10.3: pass	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3: untested					





	Release	Release	Release	Release	Release	Master	Master	Release	Master				
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14				
ANVL-ISIS-18.7	ISO/IEC 10589:199	92(E) s7.3.14.2 p24 l	Propagation ofLSPs										
MUST		of LSPs State PDUs sh Level 1 adjac		ated on circu	its, which hav	7e							
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				
ANVL-ISIS-18.8	ISO/IEC 10589:199	92(E), s7.3.14.2, p24	, Propagation of LSF	Ps									
MUST	When propagat	Propagation of LSPs When propagating a L1 LSP on a broadcast subnetwork, the IS shall transmit to the multi-destination Address AllL1IS.											
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				
ANVL-ISIS-18.9	ISO/IEC 10589:199	92(E) s7.3.14.2 p24 l	Propagation of LSPs										
MUST	one stored in	of LSPs rmediate Syste n the database ne link form w	e, the stored	link state PD	J 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	FAIL	FAIL	unpredict	untested				





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14				
ANVL-ISIS-	ISO/IEC 10589:199	92(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: untested				
ANVL-ISIS-	RFC 1195 S3.1 P1	5 Exchange of routing	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: untested				
ANVL-ISIS-	RFC 1195 S3.7 P2	4 IP-Only Operation											
18.13 MUST	omitted for 1	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:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3: untested				





	Release	Release	Release	Release	Release	Master	Master	Release	Master				
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14				
ANVL-ISIS-19.1	ISO/IEC 10589:199	92(E) S7.2.5 P14 Mu	Itiple LSPs for the sa	ame system									
MUST	Generation of Local Link State Information 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:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				
ANVL-ISIS-19.2	ISO/IEC 10589:199	92(E) S7.3 P19 Upda	ite process										
MUST	The update pr	Generation of Local Link State Information The update process is responsible for generating and propagating Link State information reliably throughout the routing 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	untested				
ANVL-ISIS-19.3	ISO/IEC 10589:199	92(E) S7.3.2 P19-20	Generation of local l	ink state "									
MUST	The update prunder the following the motific terms of the motifications	f Local Link S rocess is resp llowing circum ied by the sub tabase change	onsible for g	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	untested				





	Release	Release	Release	Release	Release	Master	Master	Release	Master				
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14				
ANVL-ISIS-19.4	ISO/IEC 10589:199	92(E) S7.3.8 P22 Ge	neration of level 2 ps	seudonode LSPs									
MUST	The Area Add	f Local Link S resses option nk State PDU o	will not be p	resent when a	n IS generates	3							
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				
ANVL-ISIS-19.5	ISO/IEC 10589:199 PDU	92(E) S7.3.15 P24-29	5 Action on receipt o	f Link state									
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:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				
ANVL-ISIS-19.6	ISO/IEC 10589:199	92(E) s7.3.14.1 p23 l	Propagation of LSPs										
MUST		f Local Link S Us are detecte		-									
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14			
ANVL-ISIS-19.7	ISO/IEC 10589:199	92(E) s7.3.14.2 p24 F	Propagation ofLSPs									
MUST	Level 2 Link	Local Link S State PDUs sh Level 2 adjac	all be propag	-	its, which hav	re						
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass			
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested			
ANVL-ISIS-19.8	ISO/IEC 10589:199	92(E), s7.3.14.2, p24	, Propagation of LSF	Ps								
MUST	Generation of Local Link State Information When propagating a L2 LSP on a broadcast subnetwork, the IS shall transmit to the multi-destination Address AllL2IS.											
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass			
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested			
ANVL-ISIS-19.9	ISO/IEC 10589:199	92(E) s7.3.14.2 p24 F	Propagation of LSPs									
MUST	When an Interone stored in	E Local Link S rmediate Syste n the database ne link form w	m receives a e, the stored	LSP older than link state PD	J 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:	FreeBSD 10.3: unpredict	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: untested			





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14			
ANVL-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 Ler	E Local Link S ngth of the PD omainISLength,	U is not equa	l to the value								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass			
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested			
ANVL-ISIS- 19.11	ISO/IEC 10589:199	92(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: untested			
ANVL-ISIS-	RFC 1195 S3.2 P1	7 Exchange of routing	g information									
19.13 MUST	Level 2 route	Local Link Sers need to kn	low 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: untested			





	Release	Release	Release	Release	Release	Master	Master	Release	Master				
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14				
ANVL-ISIS-	RFC 1195 S3.7 P2	5 IP-Only Operation											
19.14 MUST	Some of the Vomitted for 1 - The End Sys	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:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				
ANVL-ISIS-20.1	ISO/IEC 10589:199	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:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	untested				
ANVL-ISIS-20.2	ISO/IEC 10589:199	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:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				





	Release	Release	Release	Release	Release	Master	Master	Release	Master				
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14				
ANVL-ISIS-20.3	ISO/IEC 10589:199	92(E) s7.3.16.1 p29	sequence numbers										
MUST		Sequence Numbe nce number dep e domain		sequence numl	per received f	rom							
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:				
	pass	pass	pass	pass	pass	pass	pass	pass	pass				
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	pass	pass	pass	pass	pass	pass	pass	pass	untested				
ANVL-ISIS-20.4	ISO/IEC 10589:199	0/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	FAIL	unpredict	untested				
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	untested				





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14		
ANVL-ISIS-21.2	ISO/IEC 10589:1992(E) s7.3.16.1 p29 sequence numbers										
SHOULD	The sequence	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: untested		
ANVL-ISIS-21.3	ISO/IEC 10589:199	92(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: unpredict	FreeBSD 10.3: pass	FreeBSD 10.3: untested		
ANVL-ISIS-21.4	ISO/IEC 10589:199	92(E) s7.3.16.2 p29 l	LSP 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:	FreeBSD 10.3: unpredict	FreeBSD 10.3:	FreeBSD 10.3: unpredict	FreeBSD 10.3:	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: FAIL	FreeBSD 10.3: untested		





	Release	Release	Release	Release	Release	Master	Master	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14			
ANVL-ISIS-24.1	ISO/IEC 10589:199	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	untested			
ANVL-ISIS-24.2	ISO/IEC 10589:199	92(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	unpredict	unpredict	FAIL	untested			
ANVL-ISIS-25.2	RFC3719 Section 2.1 Page 3 " MaxAge"											
SHOULD	ISISUpdate - RFC 3719 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:			
	pass	pass	pass	pass	pass	pass	pass	pass	pass			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	pass	pass	pass	pass	pass	pass	pass	pass	untested			
ANVL-ISIS-25.3	RFC3719 Section 2	2.2 Page 4 " ISISHol	dingMultiplier"									
MAY	ISISUpdate - An implementa	RFC 3719 ation MAY allo	w ISISHolding	Multiplier to	be configurab	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	unpredict	pass	pass	unpredict			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	FAIL	unpredict	FAIL	unpredict	FAIL	unpredict	unpredict	unpredict	untested			





	Release	Release	Release	Release	Release	Master	Master	Release	Master		
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14		
ANVL-ISIS-25.4	RFC3719 Section 3.1 Page 4 " ID Length"										
MUST		SISUpdate - RFC 3719 n implementation MUST use an ID Length of 6.									
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass	pass	pass	untested		
ANVL-ISIS-25.5	RFC3719 Section	3.1 Page 4 " ID Leng	th"								
MUST		RFC 3719 encounters a F 15.a.2 dictate				6,					
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass	pass	pass	untested		
ANVL-ISIS-25.6	RFC3719 Section	3.2 Page 5 "maximur	nAreaAddresses"								
SHOULD	ISISUpdate - An implementa	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	untested		
ANVL-ISIS-25.7	RFC3719 Section 3.2 Page 5 " maximumAreaAddresses"										
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	untested		





	Release	Release	Release	Release	Release	Master	Master	Release	Master		
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14		
ANVL-ISIS-25.8	RFC3719 Section 3.3 Page 5 " Protocol Version"										
MUST	If a router of drop the pack	ISISUpdate - RFC 3719 If a router receives a PDU with a value other than 1 for either field, it MUST drop the packet. Note: Verify the Version 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	untested		
ANVL-ISIS-25.9	RFC3719 Section 3	3.3 Page 5 " Protoco	l 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:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass	pass	pass	untested		
ANVL-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:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass	pass	pass	untested		





	Release	Release	Release	Release	Release	Master	Master	Release	Master		
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	2018-02-06	4.0	2018-03-14		
ANVL-ISIS-26.2	RFC3719 Section 2	RFC3719 Section 2.1 Page 3 " MaxAge"									
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	untested		
ANVL-ISIS-26.3	RFC3719 Section 2	2.2 Page 4 " ISISHol	dingMultiplier"								
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	untested		
ANVL-ISIS-26.4	RFC3719 Section 3	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	untested		
ANVL-ISIS-26.5	RFC3719 Section 3	3.1 Page 4 " ID Leng	th"								
MUST	If a router o	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	untested		





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	Master 2018-02-06	Release 4.0	Master 2018-03-14		
ANVL-ISIS-26.8	RFC3719 Section 3.3 Page 5 " Protocol Version"										
MUST	If a router of drop the pack	ISISUpdate - RFC 3719 Part 2 If a router receives a PDU with a value other than 1 for either field, it MUST drop the packet. Note: Verify the Version field									
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass		
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested		
ANVL-ISIS-26.9	RFC3719 Section :	3.3 Page 5 " Protocol	l 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: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass		
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested		
ANVL-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: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: 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:		