



	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16
Туре	FRR	FRR	FRR	FRR	FRR	FRR
Commit ID	3e71b5d	f633dc2	36a7e78	30283fd	5dff4ec	7c0c85a
Commit Date	2017-04-02	2017-10-14	2017-11-08	2017-11-08	2018-01-09	2018-01-17
ANVL-ISIS-1.1	ISO/IEC 10589:1992	2(E)s9.5 p49 Level 1 L	AN IS to IS hello PDU	J		
MUST	IS to IS Hello PDU Level 1 LAN IS to IS hello PDU must have 1. Intra-domain Routing Protocol Discriminator = 0x83 2. PDU type = 15 3. Version/Protocol ID extension = 1 4. Version = 1					
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass
ANVL-ISIS-1.2	ISO/IEC 10589:1992	2(E)s9.5 p49 Level 1 L	AN IS to IS hello PDU	J		
MUST	Reserved/Circ	o PDU U Type (5th oct uit Type (9th o n are always se	octet) and 8th	bit of Priorit	y are	
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass
ANVL-ISIS-1.3	ISO/IEC 10589:1992	2(E)s9.5 p49 Level 1 L	AN IS to IS hello PDU	J		
MUST	1. An Integer the correspond 2. The Value	Length field sh between 1 and	8, inclusive, dicates a six o	indicating an octet ID, field	ID field of 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
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass
ANVL-ISIS-1.4	ISO/IEC 10589:1992	2(E)s9.5 p49-50 Level	1 LAN IS to IS hello F	PDU		
MUST	IS to IS Hello In a LAN Leve	o PDU l 1 IIH the Cir	cuit Type must	be either 1 o	r 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
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass





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ANVL-ISIS-1.5	ISO/IEC 10589:1992(E)s9.5 p50 Level 1 LAN IS to IS hello PDU RFC 1195 s5.3.1 p37-38 Level 1 LAN IS to IS hello PDU							
MUST		es that must be N IS to IS hell ported	e present in th Lo PDU are:	e VARIABLE LEN	GTH 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		
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass		
ANVL-ISIS-1.6		Maintaining Router Ac f IP-specific Information						
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		
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass		
ANVL-ISIS-1.7	NEGATIVE : RFC 11	95 s4.4 p32 Maintain	ing Router Adjacencie	s				
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		
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass		
ANVL-ISIS-1.8	ISO/IEC 10589:1992	2(E)s9.6 p51 Level 2 L	AN IS to IS hello PDU	J				
MUST	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		
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass		





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	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16		
ANVL-ISIS-1.9	ISO/IEC 10589:1992	2(E)s9.6 p51 Level 2 L	AN IS to IS hello PDL	J				
MUST	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:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-1.10	ISO/IEC 10589:1992	2(E)s9.6 p51 Level 2 L	AN IS to IS hello PDL	J				
MUST	IS to IS Hello PDU The valid ID Length field shall take any one of these following values: 1. An Integer between 1 and 8, inclusive, indicating an ID field of the corresponding length 2. The Value zero, which indicates a six octet ID, field length 3. The Value 255, which means a null ID field(ie. zero length)							
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-1.11	ISO/IEC 10589:1992	2(E)s9.6 p51 Level 2 L	AN IS to IS hello PDU	J				
MUST	IS to IS Hello In a LAN Leve		PDU 2 IIH the Circuit Type must be either 2 or 3					
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-1.12		ISO/IEC 10589:1992(E)s9.6 p51-52 Level 2 LAN IS to IS hello PDU RFC 1195 s5.3.2 p38-39 Level 2 LAN IS to IS hello PDU						
MUST	IS to IS Hello PDU The valid Codes that must be present in the VARIABLE LENGTH FIELD of Level 2 LAN IS to IS hello PDU are: Area Address Protocols Supported IP Interface Address							
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		





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	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	
ANVL-ISIS-1.13		Maintaining Router Ad IP-specific Information					
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:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	
	pass	pass	pass	pass	pass	pass	
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	
	pass	pass	pass	pass	pass	pass	
ANVL-ISIS-1.14	NEGATIVE : RFC 11	195 s4.4 p32 Maintain	ing Router Adjacencie	es			
MUST		o PDU Supported field by IP-only rout		ent in all IS-I	S Hello		
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	
	pass	pass	pass	pass	pass	pass	
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	
	pass	pass	pass	pass	pass	pass	
ANVL-ISIS-1.19	RFC 1195 s3.1 p15	Exchange of Routing	information				
MUST	IS to IS Hello PDU IP capable routers need to know what network layer protocols are supported by other routers in their area						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	
	pass	pass	pass	pass	pass	pass	
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	
	pass	pass	pass	pass	pass	pass	
ANVL-ISIS-1.20	RFC 1195 s4.2 p31	Multiple IP Addresses	per Interface				
MUST	I	o PDU e corresponding an have maximum					
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	
	pass	pass	pass	pass	pass	pass	
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	
	pass	pass	pass	pass	pass	pass	
ANVL-ISIS-1.21	RFC 1195 s3.1 p15	Exchange of Routing	information				
MUST	_	o PDU uters need to b other routers i		ork layer proto	cols are		
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	
	pass	pass	pass	pass	pass	pass	
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	
	pass	pass	pass	pass	pass	pass	





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	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16		
ANVL-ISIS-1.22	RFC 1195 s4.2 p31 Multiple IP Addresses per Interface							
MUST		o PDU e corresponding an have maximum						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-1.23	RFC 1195 s4.2 p31	Multiple IP Addresses	per Interface					
MUST		e corresponding		over which a L1 33 IP Addresses				
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-1.24	RFC 1195 s4.2 p31	Multiple IP Addresses	per Interface					
MUST		e corresponding		over which a L2 33 IP Addresses				
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-2.1	ISO/IEC 10589:1992	2(E) s9.8 p54 Level 1 l	_SPDU					
MUST	Discriminator	level 1 LSP mu = 0x83, PDU Ty	pe = 18, Versi	lomaim Routing .on/Protocol ID 1 in the Heade	extension			
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-2.2	ISO/IEC 10589:1992	2(E) s9.8 p54 Level 1 l	_ink State PDU					
MUST		J Type (5th oct		red (7th octet) Level 1 Link St				
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		





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	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	
ANVL-ISIS-2.3	ISO/IEC 10589:1992	2(E) s9.8 p54-55 Leve	I 1 Link State PDU				
MUST	Link State PDU The valid ID Length field shall take any one of these following values: 1. An integer between 1 and 8 ,inclusive, indicating an ID field of coresponding length 2. The value zero, which indicates a six octet ID, field length 3. The value 255, which means a null ID field (i.e., zero length)						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	
	pass	pass	pass	pass	pass	pass	
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	
	pass	pass	pass	pass	pass	pass	
ANVL-ISIS-2.4		2(E) s9.8 p54-55 Leve 40-43 Level 1 Link Sta					
MUST	Link State PDU The valid codes that must be present in the VARIABLE LENGTH FIELD of level 1 link state PDU are: Area Addresses Intermediate system Neighbors Protocols Supported IP Interface Address IP internal Reachability Information						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	
ANVL-ISIS-2.11	ISO/IEC 10589:1992	2(E) s9.9 p57 Level 2 l	_SPDU				
MUST	Test that the Discriminator	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:	
	pass	pass	pass	pass	pass	pass	
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	
	pass	pass	pass	pass	pass	pass	
ANVL-ISIS-2.12	ISO/IEC 10589:1992	2(E) s9.9 p57 Level 2 l	ink State PDU				
MUST		U U Type (5th oct h are always se					
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	
	pass	pass	pass	pass	pass	pass	
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	
	pass	pass	pass	pass	pass	pass	





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	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	
ANVL-ISIS-2.13	ISO/IEC 10589:1992	2(E) s9.9 p57 Level 2 l	ink State PDU				
MUST	Link State PDU The valid ID Length field shall take any one of these following values: 1. An integer between 1 and 8 ,inclusive, indicating an ID field of coresponding length 2. The value zero, which indicates a six octet ID, field length 3. The value 255, which means a null ID field (i.e., zero length)						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	
	pass	pass	pass	pass	pass	pass	
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	
	pass	pass	pass	pass	pass	pass	
ANVL-ISIS-2.14		2(E) s9.9 p57-59 Leve 3-48 Level 2 Link Stat					
MUST	Link State PDU The valid codes that must be present in the VARIABLE LENGTH FIELD of level 2 link state PDU are: Area Addresses Intermediate system Neighbors Protocols Supported IP Interface Address IP internal Reachability Information						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	
ANVL-ISIS-2.17	RFC 1195 S3.1 P15	Exchange of routing i	nformation				
MUST	IS-IS requires	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:	
	pass	pass	pass	pass	pass	pass	
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	
	pass	pass	unpredict	pass	pass	unpredict	
ANVL-ISIS-2.18	RFC 1195 S3.1 P15	Exchange of routing i	nformation				
MUST				ed PDU that are unchanged	not		
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	
	pass	pass	pass	pass	pass	pass	
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	
	pass	pass	pass	pass	pass	pass	





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	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16
ANVL-ISIS-3.1	ISO/IEC 10589:1992	2(E) s9.10 p60 Level 1	complete sequence r	numbers PDU		
MUST	Sequence Numbers PDU Level 1 complete sequence number PDU must have Intra-domain Routing protocol Discriminator = 0x83, PDU Type = 24, Version/Protocol ID extension (3rd octet) = 1 and Version (6th octet) = 1 in the header					
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	pass	pass	pass	pass	pass	pass
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	pass	pass	pass	pass	pass	pass
ANVL-ISIS-3.2	ISO/IEC 10589:1992	2(E) s9.10 p60 Level 1	Complete sequence	number PDU		
MUST		ers PDU U Type (5th oct n are always se				
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	pass	pass	pass	pass	pass	pass
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	pass	pass	pass	pass	pass	pass
ANVL-ISIS-3.3	ISO/IEC 10589:1992	2(E) s9.10 p57 Level 1	complete sequence	numbers PDU		
MUST	shall take and 1. An integer coresponding 2. The value 2	Length field in y one of these between 1 and	following valu 8, inclusive, dicates a six o	ies: indicating an octet ID,field	ID field of length	
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	pass	pass	pass	pass	pass	pass
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	pass	pass	pass	pass	pass	pass
ANVL-ISIS-3.4	PDU	2(E) s9.10 p60-61 Lev 8-49 Level 1 complete				
	Sequence Numbers PDU The valid codes that must be present in the VARIABLE LENGTH FIELD of level 1 complete sequence numbers PDU are: 1. LSP Entries 2. Authentication Information					
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	pass	pass	pass	pass	pass	pass
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	pass	pass	pass	pass	pass	pass





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	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16		
ANVL-ISIS-3.5	ISO/IEC 10589:1992(E) s9.10 p61-62 Level 2 complete sequence numbers PDU							
MUST	protocol Disc:	ers PDU ete sequence nu riminator = 0x8 d octet) = 1 ar	33, PDU Type =	25, Version/Pr	otocol ID			
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-3.6	ISO/IEC 10589:1992	2(E) s9.11 p62 Level 2	Complete sequence	number PDU				
MUST		ers PDU U Type (5th oct h are always se						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-3.7	ISO/IEC 10589:1992(E) s9.11 p61-62 Level 2 complete sequence numbers PDU							
MUST	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:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-3.8	ISO/IEC 10589:1992(E) s9.11 p62 Level 2 complete sequence numbers PDU RFC 1195 s5.3.7,p49 Level 2 complete sequence numbers PDU							
	Sequence Numbers PDU The valid codes that must be present in the VARIABLE LENGTH FIELD of level 2 complete sequence numbers PDU are: 1. LSP Entries 2. Authentication Information							
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		





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	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16		
ANVL-ISIS-3.9	ISO/IEC 10589(E) s	9.12 p62-63 Level 1 pa	artial sequence numb	ers PDU				
MUST	Level 1 partial protocol Disc:	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:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	unpredict	unpredict	FAIL	unpredict	unpredict	unpredict		
ANVL-ISIS-3.10	ISO/IEC 10589:1992	2(E) s9.12 p63 Level 1	partial sequence nun	nber PDU				
MUST		ers PDU U Type (5th oct n are always se						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	unpredict	pass	pass	unpredict	pass	unpredict		
ANVL-ISIS-3.11	ISO/IEC 10589:1992(E) s9.12 p63 Level 1 partial sequence number PDU							
MUST	Sequence Numbers PDU The valid ID Length field shall take any one of these following values: 1. An integer between 1 and 8 , inclusive, indicating an ID field of coresponding length 2. The value zero, which indicates a six octet ID, field length 3. The value 255, which means a null ID field (i.e., zero length)							
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	unpredict	unpredict		
ANVL-ISIS-3.12	ISO/IEC 10589:1992(E) s9.12 p63 Level 1 partial sequence number PDU RFC 1195 s5.3.8,p49 Level 1 partial sequence number PDU							
MUST	Sequence Numbers PDU The valid codes that must be present in the VARIABLE LENGTH FIELD of level 1 partial sequence numbers PDU are: 1. LSP Entries							
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	unpredict	unpredict	unpredict	pass		





	Release	Release	Release	Release	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16			
ANVL-ISIS-3.13	ISO/IEC 10589(E) s	ISO/IEC 10589(E) s9.12 p64-65 Level 2 partial sequence numbers PDU							
MUST	Level 2 partial protocol Disc:	Sequence Numbers PDU Level 2 partial sequence number PDU must have Intra-domain Routing protocol Discriminator=0x83, PDU Type=27, Version/Protocol ID extension (3rd octet)=1 and Version (6th octet)=1 in the header							
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	pass	pass	pass	pass	pass	pass			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	unpredict	unpredict	unpredict	unpredict	unpredict	unpredict			
ANVL-ISIS-3.14	ISO/IEC 10589:1992	2(E) s9.12 p64 Level 2	partial sequence nun	nber PDU					
MUST		J Type (5th oct	cet) and Reserv						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	pass	pass	pass	pass	pass	pass			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	pass	unpredict	unpredict	pass	pass	unpredict			
ANVL-ISIS-3.15	ISO/IEC 10589:1992	2(E) s9.12 p64 Level 2	partial sequence nun	nber PDU					
MUST	Sequence Numbers PDU The valid ID Length field shall take any one of these following values: 1. An integer between 1 and 8 ,inclusive,indicating an ID field of coresponding length 2. The value zero, which indicates a six octet ID,field length 3. The value 255,which means anull ID field(ie zero length)								
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	pass	pass	pass	pass	pass	pass			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	pass	unpredict	pass	unpredict	pass	pass			
ANVL-ISIS-3.16		ISO/IEC 10589:1992(E) s9.12 p64 Level 2 partial sequence number PDU RFC 1195 s5.3.9,p49 Level 2 partial sequence number PDU							
MUST		es that must be al sequence num	e present in th mbers PDU are:	e VARIABLE LEN	GTH FIELD of				
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	pass	pass	pass	pass	pass	pass			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	unpredict	pass	unpredict	pass	pass	pass			





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16
ANVL-ISIS-4.1	ISO/IEC 10589:1992	2(E), s7.2.4, p14, Link	S			
MUST	Level 1 Adjace IS discover ne ISIS Hello PDI	eighbours and f	Forms adjacenci	es by exchangi	ng	
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass
ANVL-ISIS-4.2	RFC 1195, s5.1, p33	3, Overview of ISIS PD	OUs			
MUST	Level 1 Adjace Hello packets neighbouring :	are used to in	nitialize and m	naintain adjace	ncies between	
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass
ANVL-ISIS-4.3	ISO/IEC 10589:1992	2(E), s8.4.2, p44, Broa	dcast subnetwork IIH	PDUs		
MUST	Level 1 Adjacency An L1 IS shall transmit only L1 LAN IIHs.					
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass
ANVL-ISIS-4.4	ISO/IEC 10589:1992	2(E), s8.4.2, p44, Broa	dcast subnetwork IIH	PDUs		
SHOULD		ency t by L1 IS shou of L1 IS adjac		e manualAreaAdd	resses and	
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass
ANVL-ISIS-4.5	ISO/IEC 10589:1992	2(E), s8.4.2, p44, Broa	dcast subnetwork IIH	PDUs		
MUST	Level 1 Adjace An L1 IS shall address AllL1	l transmit L1 I	LAN IIHs to the	multi-destina	tion	
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	
ANVL-ISIS-4.6	ISO/IEC 10589:1992	2(E), s8.4.2, p44, Broa	dcast subnetwork IIH	PDUs			
MUST	Level 1 Adjace L1 ISs shall	ency listen on the m	nulti-destinati	on address All	L1ISs.		
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	
ANVL-ISIS-4.7	NEGATIVE: ISO/IEO Broadcast subnetwo	5 10589:1992(E), s8.4 ork IIH PDUs	.2, p44,				
MUST	Level 1 Adjace L1 ISs shall : destination as	reject any L1 I	LAN IIH that do	esn"t have the			
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	
ANVL-ISIS-4.8	ISO/IEC 10589:1992	2(E), s8.4.2.1, p44, II⊢	I PDU acceptance tes	ts			
SHOULD		ency th of the L1 II IDLength, it sh			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	
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	
ANVL-ISIS-4.9	ISO/IEC 10589:1992(E), s8.4.2.2, p45, Receipt of L1 LAN IIH PDUs ISO/IEC 10589:1992(E), s8.2.4.2, p38, IIH PDU Processing						
SHOULD	Level 1 Adjacency If the received L1 IIH"s areaAddresses do not match any of the manualAreaAddresses of the L1 IS, it should reject the adjacency.						
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	
ANVL-ISIS-4.10		2(E), s8.4.2.2, p45, Re 2(E), s8.2.4.2, p38, IIH		DUs			
MUST	Level 1 Adjacency If the received L1 IIHs areaAddress field matches any of the values from the manualAreaAddresses of the L1 IS, it shall accept the adjacency.						
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	





	Release	Release	Release	Release	Release	Master		
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16		
ANVL-ISIS-4.11		ISO/IEC 10589:1992(E), s8.4.2.2, p45, Receipt of L1 IIH PDUs ISO/IEC 10589:1992(E), s8.2.4.2, p38, IIH PDU Processing						
MUST		ency ed L1 IIHs maxi umAreaAddresses			ual to			
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-4.12	ISO/IEC 10589:1992	2(E), s8.4.2.2, p45, Re	ceipt of L1 IIH PDUs					
MUST		ency maximumAreaAdd th non matching						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-4.13	ISO/IEC 10589:1992(E), s8.2.4.2, p38, IIH PDU processing ISO/IEC 10589:1992(E), s8.4.2.2, p45, Receipt of L1 IIH PDUs							
MUST	Level 1 Adjacency If the L1 IS only implements a value of three for maximumAreaAddresses, IS will accept an L1 IIH even if it has a non-matching maximumAreaAddresses value.							
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL		
ANVL-ISIS-4.14	ISO/IEC 10589:1992	2(E), s8.4.2.5.1, p45, N	New Adjacencies					
MUST	Level 1 Adjacency When an L1 IS receives an L1 LAN IIH from another IS (R), then the next L1 IIH generated by the IS will include R.							
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-4.15	ISO/IEC 10589:1992	2(E), s8.4.2.5.1, p45, N	New Adjacencies					
MUST	Level 1 Adjace When an L1 IS create an adja	receives an L1	LAN IIH with	its own entry,	then it shall			
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		





	Release	Release	Release	Release	Release	Master		
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16		
ANVL-ISIS-4.16	ISO/IEC 10589:1992(E), s8.4.2.5.2, p45, New Adjacencies							
MUST	If a neighbour	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:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-5.1	ISO/IEC 10589:1992	2(E), s7.2.4, p14, Link	S					
MUST	Level 2 Adjace IS discover ne ISIS Hello PD	eighbours and f	Forms adjacenci	es by exchangi	ng			
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-5.2	RFC 1195, s5.1, p33	B, Overview of ISIS PE	DUs					
MUST	Level 2 Adjacency Hello packets are used to initialize and maintain adjacencies between neighbouring ISs.							
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-5.3	ISO/IEC 10589:1992	2(E), s8.4.2, p44, Broa	adcast subnetwork IIH	PDUs				
MUST	Level 2 Adjace An L2 IS shall	ency l transmit only	7 L2 LAN IIHs.					
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-5.4	ISO/IEC 10589:1992	2(E), s8.4.2, p44, Broa	adcast subnetwork IIH	PDUs				
SHOULD	Level 2 Adjace An L2 IIH sent LAN Addresses		uld contain the	e manual Area A	ddresses and			
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16
ANVL-ISIS-5.5	ISO/IEC 10589:1992	2(E), s8.4.2, p44, Broa	dcast subnetwork IIH	PDUs		
MUST	Level 2 Adjace An L2 IS shall address AllL2	l transmit L2 I	LAN IIHs to the	e multi-destina	tion	
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass
ANVL-ISIS-5.6	ISO/IEC 10589:1992	2(E), s8.4.2, p44, Broa	dcast subnetwork IIH	PDUs		
MUST	Level 2 Adjace L2 ISs shall	ency listen on the m	nulti-destinati	on address All	L2ISs.	
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass
ANVL-ISIS-5.7	ISO/IEC 10589:1992	2(E), s8.4.2, p44, Broa	dcast subnetwork IIH	PDUs		
MUST	Level 2 Adjace L2 ISs shall : destination as	reject any L2 I	LAN IIH that do	esn"t have the		
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL
ANVL-ISIS-5.8	ISO/IEC 10589:1992	2(E), s8.4.2.1, p44, IIH	PDU acceptance tes	ts		
SHOULD		ency th of the L2 LA IDLength, it sh			lue of the ISs	
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass
ANVL-ISIS-5.9	ISO/IEC 10589:1992	2(E), s8.4.2.5.1, p45, N	New Adjacencies			
MUST		ency receives an L2 enerated by the			, then 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
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass





	Release	Release	Release	Release	Release	Master		
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16		
ANVL-ISIS-5.10	ISO/IEC 10589:1992(E), s8.4.2.5.1, p45, New Adjacencies							
MUST	Level 2 Adjace When an L2 IS create an adja	receives an L2	2 LAN IIH with	its own entry,	then it shall			
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-5.11	ISO/IEC 10589:1992	2(E), s8.4.2.5.2, p45, N	New Adjacencies					
MUST		ency r is not heard the database.	within the Hol	ding Time, the	L2 IS shall			
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-6.1	ISO/IEC 10589:1992	2(E), s8.4.2, p44, Broa	dcast subnetwork IIH	PDUs				
MUST		evel 2 Adjacend hall create seg		cies on receipt	of L1 and L2			
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	unpredict	pass	unpredict	unpredict	pass		
ANVL-ISIS-6.2	ISO/IEC 10589:1992	2(E), s8.4.2, p44, Broa	dcast subnetwork IIH	PDUs				
MUST		evel 2 Adjacend hall transmit k	-	LAN IIHs.				
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-6.3	ISO/IEC 10589:1992	2(E), s8.4.2, p44, Broa	dcast subnetwork IIH	PDUs				
MUST	An L1/L2 IS sl	evel 2 Adjacend hall listen on L1 and L2 LAN 1	the multi-dest		s AllL1ISs and			
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	unpredict	pass	pass	unpredict	unpredict	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	unpredict	pass	unpredict	unpredict	pass		





	Release	Release	Release	Release	Release	Master		
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16		
ANVL-ISIS-6.4	ISO/IEC 10589:1992	2(E), s8.4.2, p44, Broa	dcast subnetwork IIH	PDUs				
MUST	Level 1 and Level 2 Adjacency An L1/L2 IS shall reject any LAN IIH that doesn"t have the destination as AllL1ISs or AllL2ISs.							
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL		
ANVL-ISIS-7.1		2(E) s7.2.3 p14 Broado Designated routers ar						
MUST				is done by ver	ifying			
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-7.2	ISO/IEC 10589:1992(E) s7.2.3 p14 Broadcast subnetwork RFC 1195 s4.3 p31 Designated routers and Pseudonodes							
MUST	Level 1 Designated Routers and Pseudonodes Election process of level 1 designated IS is done by verifying priority field in the IIH							
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL		
ANVL-ISIS-7.3	ISO/IEC 10589:1992(E) s7.2.3 p14 Broadcast subnetwork RFC 1195 s4.3 p31 Designated routers and Pseudonodes							
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:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-7.4		2(E) s7.2.3 p14 Broade Designated routers ar						
MUST	Election proce	nated Routers a ess of level 1 d in the IIH ar	designated IS	is done by ver	ifying			
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL		





	Release	Release	Release	Release	Release	Master	
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	
ANVL-ISIS-7.5	ISO/IEC 10589:1992	2(E) s8.4.5 p46 LAN d	esignated IS				
MUST	Level 1 Designated Routers and Pseudonodes An L1 IS becomes an L1 Designated IS, it shall transmit L1 pseudonode LSP						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	
	pass	pass	pass	pass	pass	pass	
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	
	pass	pass	pass	pass	pass	pass	
ANVL-ISIS-7.6	ISO/IEC 10589:1992	2(E) s8.4.5 p47 LAN d	esignated ISs				
MUST	An L1 IS shall		and Pseudonodes LAN IIHs with t IS		d set to the		
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	
	pass	pass	pass	pass	pass	pass	
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	
	pass	pass	pass	pass	pass	pass	
ANVL-ISIS-8.1	ISO/IEC 10589:1992(E) s7.2.3 p14 Broadcast subnetwork RFC 1195 s4.3 p31 Designated routers and Pseudonodes						
MUST	Level 2 Designated Routers and Pseudonodes Election process of level 2 designated IS is done by verifying priority field in the IIH						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	
	pass	pass	pass	pass	pass	pass	
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	
	pass	pass	pass	pass	pass	pass	
ANVL-ISIS-8.2	ISO/IEC 10589:1992(E) s7.2.3 p14 Broadcast subnetwork RFC 1195 s4.3 p31 Designated routers and Pseudonodes						
MUST	Level 2 Designated Routers and Pseudonodes Election process of level 2 designated IS is done by verifying priority field in the IIH						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	
ANVL-ISIS-8.3		2(E) s7.2.3 p14 Broad Designated routers ar					
MUST	Level 2 Designated Routers and Pseudonodes Election process of level 2 designated IS is done by verifying priority field in the IIH and the MAC address						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	
	pass	pass	pass	pass	pass	pass	
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	
	pass	pass	pass	pass	pass	pass	





	Release	Release	Release	Release	Release	Master		
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16		
ANVL-ISIS-8.4	ISO/IEC 10589:1992(E) s7.2.3 p14 Broadcast subnetwork RFC 1195 s4.3 p31 Designated routers and Pseudonodes							
MUST	Election proce	nated Routers a ess of level 2 d in the IIH ar	designated IS	is done by ver	ifying			
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL		
ANVL-ISIS-8.5	ISO/IEC 10589:1992	2(E) s8.4.5 p46 LAN d	esignated IS					
MUST		nated Routers a mes an L2 Desig P			2			
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-8.6	ISO/IEC 10589:1992	2(E) s8.4.5 p47 LAN d	esignated 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:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-9.1	ISO/IEC 10589:1992(E) s8.4.2.1 p44 IIH PDU Acceptance Tests RFC 1195 s3.9 p25 Authentication							
MUST	Level 1 LAN Circuit Authentication If authentication is enabled on a circuit and the received L1 LAN IIH doesn"t contain the authentication information field, the L1 IS shall discard the PDU							
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-9.2	ISO/IEC 10589:1992 RFC 1195 s3.9 p25	2(E) s8.4.4 p46 Transr Authentication	nission of LAN IIH PD	Us				
MUST	Level 1 LAN Circuit Authentication An L1 IS will include authentication information of type Password containing the circuitTransmitPassword as the authentication value in its L1 LAN IIH PDU if authentication is enabled on the circuit							
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		





	Release	Release	Release	Release	Release	Master	
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	
ANVL-ISIS-9.3	ISO/IEC 10589:1992 RFC 1195 s3.9 p25		PDU Acceptance Tests	3			
MUST	If authenticat	entication info nes any of the	ication d on a circuit ormation of typ circuitReceive	e Password, an	d if this		
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	
	pass	pass	pass	pass	pass	pass	
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	
	pass	pass	pass	pass	pass	pass	
ANVL-ISIS-9.4	ISO/IEC 10589:1992 RFC 1195 s3.9 p25		PDU Acceptance Tests	5			
MUST	Level 1 LAN Circuit Authentication If authentication is enabled on a circuit and the received L1 LAN IIH contains authentication information of type Password, and if this Password does not match any of the circuitReceivePasswords, then the L1 IS discards the PDU						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	
	pass	pass	pass	pass	pass	pass	
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	
	pass	pass	pass	pass	pass	pass	
ANVL-ISIS-9.5	ISO/IEC 10589:1992(E) s8.4.2.1 p45 IIH PDU Acceptance Tests RFC 1195 s3.9 p25 Authentication						
MUST	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:	
	pass	pass	pass	pass	pass	pass	
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	
	pass	pass	pass	pass	pass	pass	
ANVL-ISIS-10.1	ISO/IEC 10589:1992 RFC 1195 s3.9 p25		PDU Acceptance Tests	5			
MUST	If authenticat	in the authenti	ication d on a circuit ication informa				
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	
	pass	pass	pass	pass	pass	pass	
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	
	pass	pass	pass	pass	pass	pass	





	Release	Release	Release	Release	Release	Master		
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16		
ANVL-ISIS-10.2	ISO/IEC 10589:1992(E) s8.4.4 p46 Transmission of LAN IIH PDUs RFC 1195 s3.9 p25 Authentication							
MUST	An L2 IS will containing the	e circuitTrans	ntication infor mitPassword as	mation of type the authentica abled on the c	tion value in			
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-10.3	ISO/IEC 10589:1992 RFC 1195 s3.9 p25	2(E) s8.4.2.1 p45 IIH F Authentication	PDU Acceptance Tests	5				
MUST	If authentical contains authe	entication infonces any of the	d on a circuit ormation of typ	and the receiv be Password, an Passwords, the	d if this			
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-10.4	ISO/IEC 10589:1992(E) s8.4.2.1 p45 IIH PDU Acceptance Tests RFC 1195 s3.9 p25 Authentication							
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 does not match any of the circuitReceivePasswords, then the L2 IS discards the PDU							
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-10.5	ISO/IEC 10589:1992 RFC 1195 s3.9 p25	2(E) s8.4.2.1 p45 IIH F Authentication	PDU Acceptance Tests	5				
MUST	If authentical		d on a circuit information of	and the receiv a type that t				
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		





	Release	Release	Release	Release	Release	Master		
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16		
ANVL-ISIS-11.1	ISO/IEC 10589:1992 information	ISO/IEC 10589:1992(E) s7.3.2 p19-p20 Generation of local link state information						
MUST	under the fol:		ances.	erating Link St	ate PDUs			
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-11.2	ISO/IEC 10589:1992	2(E) s7.3.5 p21 Period	ic LSP Generation					
MUST			_	every LSP at in	tervals			
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-11.3	ISO/IEC 10589:1992	2(E) s7.3.5 p21 Period	ic 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:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-11.4	ISO/IEC 10589:1992	2(E) s7.3.16.1 p29 Sec	quence number					
SHOULD	When the seque module should	Periodic LSP Generation When the sequence number reaches the Sequence Modulus, the routing module should be disabled for a period of at least MaxAge + ZeroAgeLifetime						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL		
ANVL-ISIS-11.5	ISO/IEC 10589:1992 Expiration synchroni	2(E) s7.3.16.3-4 p29 R zation	Remaining LifeTime Fi	eld & LSP				
MUST		ing LifeTime fi all purge that		ceived LSP is z latabase and sy				
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	FAIL	unpredict	unpredict	pass	unpredict	pass		





	Release	Release	Release	Release	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16			
ANVL-ISIS-11.6		ISO/IEC 10589:1992(E) s7.3.16.3-4 p29 Remaining LifeTime Field & LSP Expiration synchronization							
MUST		ing LifeTime fi all purge that	eld of the rec LSP from its o						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	pass	pass	pass	pass	pass	pass			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	FAIL	unpredict	unpredict	unpredict	unpredict	pass			
ANVL-ISIS-11.7	ISO/IEC 10589:1992 information	2(E) s7.3.2 p19-p20 G	eneration of local link	state					
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:			
	pass	pass	pass	pass	pass	pass			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	pass	pass	pass	pass	pass	pass			
ANVL-ISIS-11.8	ISO/IEC 10589:1992	2(E) s7.3.16.1 p29 Sec	quence number						
SHOULD	Periodic LSP Generation When the sequence number reaches the Sequence Modulus, the routing module should be disabled for a period of at least MaxAge + ZeroAgeLifetime								
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL			
ANVL-ISIS-17.1	RFC 1195 S3.5 P23	Type of Service Routi	ing		-				
MUST	If there is no which supports	ype of Service Routing f there is no path from source to destination made up of routers, hich supports that particular type of service, then the packet will orwarded using default metric							
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	pass	pass	pass	pass	pass	pass			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	pass	pass	pass	pass	pass	unpredict			





	Release	Release	Release	Release	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16			
ANVL-ISIS-17.2	ISO/IEC 10589:1992	2(E) S7.3.4 P21 Multip	ole LSPs						
MUST	If an LSP beco	Type of Service Routing If an LSP becomes empty because of all the adjacencies reported in that LSP no longer exists, an IS may purge that LSP instead of re-issuing it							
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	pass	pass	pass	pass	pass	pass			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	pass	pass	pass	pass	pass	pass			
ANVL-ISIS-17.3	RFC 1195 s5.3.4 P4	2 Level 1 Link State F	DU						
MUST	Type of Service Bit 8 of DEFAN on transmission	JLT METRIC is a	reserved and mu	ast be set to z	ero				
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL			
ANVL-ISIS-17.4	RFC 1195 s5.3.4 P4	2 Level 1 Link State F	DU						
MUST	Type of Service Routing Bit 7 of DEFAULT METRIC field (marked I/E) must be set to zero indicating internal metric								
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL			
ANVL-ISIS-17.5	ISO/IEC 10589:1992(E) s7.2.8.1 p15 Computing routes through overloaded Intermediate systems								
MUST	Type of Service Routing The Decision Process shall not utilise a link to an Intermediate system neighbour from an IS whose LSPs have the LSP Data-base Overload indication set.								
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	pass	pass	pass	pass	pass	pass			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	pass	pass	pass	pass	pass	pass			
ANVL-ISIS-17.7	RFC 1195 S3.5 P23	Type of Service Rout	ing						
MUST	If there is no which supports	Type of Service Routing If there is no path from source to destination made up of routers, which supports that particular type of service, then the packet will forwarded using default metric							
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	pass	pass	pass	pass	pass	pass			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	pass	pass	pass	pass	pass	pass			





	Release	Release	Release	Release	Release	Master		
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16		
ANVL-ISIS-17.8	ISO/IEC 10589:1992	2(E) S7.3.4 P21 Multip	ole LSPs		-			
MUST	If an LSP beco	Type of Service Routing If an LSP becomes empty because of all the adjacencies reported in that LSP no longer exists, an IS may purge that LSP instead of re-issuing it						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-17.9	RFC 1195 s5.3.5 P4	5 Level 2 Link State P	DU					
MUST	Type of Service Bit 8 of DEFAN on transmission	ULT METRIC is a	reserved and mu	ıst be set to z	ero			
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL		
ANVL-ISIS-17.10	RFC 1195 s5.3.4 P4	5 Level 2 Link State F	UD					
MUST	Type of Service Bit 7 of DEFAL indicating in	ULT METRIC fiel	ld (marked I/E)	must be set t	o zero			
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL		
ANVL-ISIS-17.11	ISO/IEC 10589:1992 Intermediate system	2(E) s7.2.8.1 p15 Com s	puting routes through	overloaded				
MUST	Type of Service Routing The Decision Process shall not utilise a link to an Intermediate system neighbour from an IS whose LSPs have the LSP Data-base Overload indication set.							
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		





	Release	Release	Release	Release	Release	Master	
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	
ANVL-ISIS-18.1	ISO/IEC 10589:1992	2(E) S7.2.5 P14 Multip	ole LSPs for the same	system			
MUST	number zero and 1. The setting 2. The value of	information sh nd disregarded		nber is non-zer			
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	
	pass	pass	pass	pass	pass	pass	
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	
	pass	pass	pass	pass	pass	pass	
ANVL-ISIS-18.2	ISO/IEC 10589:1992	2(E) S7.3 P19 Update	process				
MUST		ocess is respor	nsible for gene ably throughout				
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	
	pass	pass	pass	pass	pass	pass	
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	
	pass	pass	pass	pass	pass	pass	
ANVL-ISIS-18.3	ISO/IEC 10589:1992(E) S7.3.2 P19-20 Generation of local link state " information						
MUST	Propagation of LSPs The update process is responsible for generating Link State PDUs under the following circumstances: - When notified by the subnetwork dependent functions of an adjacency database change						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	
	pass	pass	pass	pass	pass	pass	
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	
	pass	pass	pass	pass	pass	pass	
ANVL-ISIS-18.4	ISO/IEC 10589:1992	2(E) S7.3.8 P22 Gene	ration of level 1 pseud	lonode LSPs			
MUST		esses option wi	ill not be pres behalf of pseu		generates		
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	
	pass	pass	pass	pass	pass	pass	
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	
	pass	pass	pass	pass	pass	pass	





	Release	Release	Release	Release	Release	Master	
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	
ANVL-ISIS-18.5	ISO/IEC 10589:1992 PDU	2(E) S7.3.15.1 P24-25	Action on receipt of L	ink state			
MUST		f LSPs level 1 LSP and value of the IS					
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	
	pass	pass	pass	pass	pass	pass	
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	
	pass	pass	pass	pass	pass	pass	
ANVL-ISIS-18.6	ISO/IEC 10589:1992	2(E) s7.3.14.1 p23 Pro	pagation of LSPs	-	-		
MUST	Propagation of Duplicate PDUs	f LSPs s are detected	and dropped				
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	
	pass	pass	pass	pass	pass	pass	
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	
	pass	pass	pass	pass	pass	pass	
ANVL-ISIS-18.7	ISO/IEC 10589:1992	2(E) s7.3.14.2 p24 Pro	pagation ofLSPs	-	-		
MUST	Propagation of LSPs Level 1 Link State PDUs shall be propagated on circuits, which have at least one Level 1 adjacency						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	
	pass	pass	pass	pass	pass	pass	
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	
	pass	pass	pass	pass	pass	pass	
ANVL-ISIS-18.8	ISO/IEC 10589:1992	2(E), s7.3.14.2, p24, P	ropagation of LSPs				
MUST	Propagation of LSPs When propagating a L1 LSP on a broadcast subnetwork, the IS shall transmit to the multi-destination Address AllL1IS.						
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	
	pass	pass	pass	pass	pass	pass	
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	
	pass	pass	pass	pass	pass	pass	
ANVL-ISIS-18.9	ISO/IEC 10589:1992	2(E) s7.3.14.2 p24 Pro	pagation of LSPs				
MUST	one stored in	f LSPs mediate System the database, e link form whi	the stored lin	ık state PDU ne	eds to		
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	
	pass	pass	pass	pass	pass	pass	
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	
	FAIL	FAIL	FAIL	FAIL	unpredict	FAIL	





	Release	Release	Release	Release	Release	Master	
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16	
ANVL-ISIS-18.10	ISO/IEC 10589:1992	2(E) S7.3.16.3 P29 Re	emaining Lifetime Field	d			
MUST	When the source Lifetime to Ma	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:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	
	pass	pass	pass	pass	pass	pass	
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	
	pass	pass	pass	pass	pass	pass	
ANVL-ISIS-18.12	RFC 1195 S3.1 P15	Exchange of routing i	nformation				
MUST		f LSPs rs need to knov router in theim		ess are reachab	le from		
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	
	pass	pass	pass	pass	pass	pass	
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	
	pass	pass	pass	pass	pass	pass	
ANVL-ISIS-18.13	RFC 1195 S3.7 P24	IP-Only Operation					
MUST	omitted for II - The End Syst	f LSPs ARIABLE LENGTH P only routers tem Neighbours Neighbours entr	entries are om	nitted	t must be		
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	
	pass	pass	pass	pass	pass	pass	
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	
	pass	pass	pass	pass	pass	pass	
ANVL-ISIS-19.1	ISO/IEC 10589:1992	2(E) S7.2.5 P14 Multip	ole LSPs for the same	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:	
	pass	pass	pass	pass	pass	pass	
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	
	pass	pass	pass	pass	pass	pass	





	Release	Release	Release	Release	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16			
ANVL-ISIS-19.2	ISO/IEC 10589:1992	2(E) S7.3 P19 Update	process						
MUST	The update pro	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:			
	pass	pass	pass	pass	pass	pass			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	pass	pass	pass	pass	pass	pass			
ANVL-ISIS-19.3	ISO/IEC 10589:1992 information	2(E) S7.3.2 P19-20 Ge	eneration of local link	state "					
MUST	The update prounder the following	Local Link Stances is responded to the community circumsted by the subnember change	nsible for gene cances:	erating Link St					
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	pass	pass	pass	pass	pass	pass			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	pass	pass	pass	pass	pass	pass			
ANVL-ISIS-19.4	ISO/IEC 10589:1992	ISO/IEC 10589:1992(E) S7.3.8 P22 Generation of level 2 pseudonode LSPs							
MUST	Generation of Local Link State Information The Area Addresses option will not be present when an IS generates a level 2 Link State PDU on behalf of pseudonode								
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	pass	pass	pass	pass	pass	pass			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	pass	pass	pass	pass	pass	pass			
ANVL-ISIS-19.5	ISO/IEC 10589:1992(E) S7.3.15 P24-25 Action on receipt of Link state PDU								
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:			
	pass	pass	pass	pass	pass	pass			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	pass	pass	pass	pass	pass	pass			
ANVL-ISIS-19.6	ISO/IEC 10589:1992	2(E) s7.3.14.1 p23 Pro	pagation of LSPs						
MUST		Local Link Sta s are detected		1					
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:			
	pass	pass	pass	pass	pass	pass			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:			
	pass	pass	pass	pass	pass	pass			





	Release	Release	Release	Release	Release	Master
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16
ANVL-ISIS-19.7	ISO/IEC 10589:1992	2(E) s7.3.14.2 p24 Pro	pagation ofLSPs			
MUST	Level 2 Link S	Local Link Sta State PDUs shal Level 2 adjacer	l be propagate	od on circuits,	which have	
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	pass	pass	pass	pass	pass	pass
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	pass	pass	pass	pass	pass	pass
ANVL-ISIS-19.8	ISO/IEC 10589:1992	2(E), s7.3.14.2, p24, P	ropagation of LSPs			
MUST	When propagat:	Local Link Sta ing a L2 LSP or ne multi-destir	n a broadcast s	subnetwork, the	IS shall	
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	pass	pass	pass	pass	pass	pass
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	pass	pass	pass	pass	pass	pass
ANVL-ISIS-19.9	ISO/IEC 10589:1992	2(E) s7.3.14.2 p24 Pro	pagation of LSPs			
MUST	When an Internone stored in	the database,	receives a LSF the stored lin	o Polder than th One was receive	eds to	
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	pass	pass	pass	pass	pass	pass
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	FAIL	unpredict	FAIL	FAIL	unpredict	unpredict
ANVL-ISIS-19.10	ISO/IEC 10589:1992 PDU	2(E) s7.3.15.1 p24 Act	ion on receipt of a link	state		
MUST	If the ID Leng	Local Link Stagth of the PDU mainISLength, t	is not equal t	o the value of	the	
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	pass	pass	pass	pass	pass	pass
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	pass	pass	pass	pass	pass	pass
ANVL-ISIS-19.11	ISO/IEC 10589:1992	2(E) S7.3.16.3 P29 Re	maining Lifetime Field	d		
MUST	When the source Lifetime to Ma		link state PDU cransmitting a	J,it shall set link state PDU		r,
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	pass	pass	pass	pass	pass	pass
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	pass	pass	pass	pass	pass	pass





	Release	Release	Release	Release	Release	Master		
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16		
ANVL-ISIS-19.13	RFC 1195 S3.2 P17	Exchange of routing i	nformation					
MUST	Generation of Local Link State Information Level 2 routers need to know what IP address are reachable from each level 2 router in their area							
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-19.14	RFC 1195 S3.7 P25	IP-Only Operation						
MUST	Some of the Vi omitted for II - The End Syst	Local Link Sta ARIABLE LENGTH P only routers tem Neighbours Neighbours entr	fields from IS entries are om	S-IS link packe nitted	t must be			
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-20.1	ISO/IEC 10589:1992(E) s7.3.16.1 p28 sequence numbers							
MUST	When a system	equence Numbers initializes, i s own Link Stat	it shall start	with sequence	number			
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL		
ANVL-ISIS-20.2	ISO/IEC 10589:1992	2(E) s7.3.16.1 p28 se	quence numbers					
SHOULD		equence Numbers number of any a zero		ited Link State	PDU			
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		
ANVL-ISIS-20.3	ISO/IEC 10589:1992	2(E) s7.3.16.1 p29 se	quence numbers					
MUST		equence Numbers ce number deper domain		equence number	received from			
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:		
	pass	pass	pass	pass	pass	pass		
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:		
	pass	pass	pass	pass	pass	pass		





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Master 2018-01-16	
ANVL-ISIS-20.4	ISO/IEC 10589:1992	2(E) s7.3.16.2 p29 LSI	confusion				
MUST	If the sequence generated by	equence Numbers ce numbers matc the local syste flood the LSP	ch, but checksu				
	Ubuntu 16.04: Ub						
	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: unpredict	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict	
ANVL-ISIS-21.1	ISO/IEC 10589:1992	2(E) s7.3.16.1 p28 se	quence numbers				
MUST	When a system	equence Numbers initializes, i s own Link Stat	t shall start	with sequence	number		
	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	
ANVL-ISIS-21.2	ISO/IEC 10589:1992	2(E) s7.3.16.1 p29 se	quence numbers				
SHOULD		equence Numbers number of any a zero:		ted 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	
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	
ANVL-ISIS-21.3	ISO/IEC 10589:1992	2(E) s7.3.16.1 p29 se	quence numbers				
MUST		equence Numbers ce number deper domain		equence number	received from		
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	
ANVL-ISIS-21.4	ISO/IEC 10589:1992	2(E) s7.3.16.2 p29 LSI	onfusion				
MUST	If the sequence generated by	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	
	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict	FreeBSD 10.3: FAIL	FreeBSD 10.3: unpredict	





	Release	Release	Release	Release	Release	Master
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16
ANVL-ISIS-24.1	ISO/IEC 10589:1992	2(E) s7.3.19.1 p31 Ent	tering 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:
	pass	pass	pass	pass	pass	pass
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	pass	pass	pass	pass	pass	pass
ANVL-ISIS-24.2	ISO/IEC 10589:1992	2(E) s7.3.19.1 p31 Ent	tering the waiting state)		
MUST	Waiting State When an LSP ca State will be		l, the LSP shal	l be ignored a	nd waiting	
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	pass	pass	pass	pass	pass	pass
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	FAIL	unpredict	FAIL	unpredict	FAIL	unpredict
ANVL-ISIS-25.2	RFC3719 Section 2.	1 Page 3 " MaxAge"				
SHOULD				interval by atl Packet	east 300 secon	ds
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	pass	pass	pass	pass	pass	pass
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	pass	pass	pass	pass	pass	pass
ANVL-ISIS-25.3	RFC3719 Section 2.	2 Page 4 " ISISHoldin	gMultiplier"			
MAY	ISISUpdate - I An implementa		ISISHoldingMul	tiplier to be	configurable.	
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	pass	pass	pass	pass	pass	unpredict
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	FAIL	unpredict	FAIL	unpredict	FAIL	unpredict
ANVL-ISIS-25.4	RFC3719 Section 3.	1 Page 4 " ID Length"				
MUST	ISISUpdate - I An implementa	RFC 3719 tion MUST use a	an ID Length of	6.		
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	pass	pass	pass	pass	pass	pass
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	pass	pass	pass	pass	pass	pass





	Release	Release	Release	Release	Release	Master
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16
ANVL-ISIS-25.5	RFC3719 Section 3.	1 Page 4 " ID Length"				
MUST		RFC 3719 ncounters a PDU 5.a.2 dictates				
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	pass	pass	pass	pass	pass	pass
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	pass	pass	pass	pass	pass	pass
ANVL-ISIS-25.6	RFC3719 Section 3.	2 Page 5 "maximumA	reaAddresses"			
SHOULD	ISISUpdate - I An implementa	RFC 3719 tion SHOULD use	e the value 3.			
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL
ANVL-ISIS-25.7	RFC3719 Section 3.	2 Page 5 " maximum/	AreaAddresses"			
MUST					t is not 0 or a.3	3,
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	pass	pass	pass	pass	pass	pass
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	pass	pass	pass	pass	pass	pass
ANVL-ISIS-25.8	RFC3719 Section 3.	3 Page 5 " Protocol V	ersion"			
MUST	drop the packe	eceives a PDU v		ther than 1 for	either field,	it MUST
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	pass	pass	pass	pass	pass	pass
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	pass	pass	pass	pass	pass	pass
ANVL-ISIS-25.9	RFC3719 Section 3.	3 Page 5 " Protocol V	ersion"			
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:
	pass	pass	pass	pass	pass	pass
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	pass	pass	pass	pass	pass	pass





	Release	Release	Release	Release	Release	Master
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16
ANVL-ISIS-25.23	RFC3719 Section 1	1 Page 11 "Doppelgan	ger LSPs"			
MUST	LSPID ranges (i.e., there	RFC 3719 t of CSNPs is a cover the compl is no possible nge of one of t	lete possible r LSPID value wh	ange of LSPIDs ich does not a	•	
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	pass	pass	pass	pass	pass	pass
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	pass	pass	pass	pass	pass	pass
ANVL-ISIS-26.2	RFC3719 Section 2.	1 Page 3 " MaxAge"				
SHOULD	MaxAge SHOULD	RFC 3719 Part 2 exceed maximum the RemainingLi	nLSPGenerationI		east 300 secon	ds
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL
ANVL-ISIS-26.3	RFC3719 Section 2.	2 Page 4 " ISISHoldin	gMultiplier"			
MAY		RFC 3719 Part 2 tion MAY allow		tiplier to be	configurable.	
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	pass	pass	pass	pass	pass	unpredict
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	pass	unpredict	pass	pass	pass	unpredict
ANVL-ISIS-26.4	RFC3719 Section 3.	1 Page 4 " ID Length"				
MUST		RFC 3719 Part 2 tion MUST use a		6.		
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	pass	pass	pass	pass	pass	pass
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	pass	pass	pass	pass	pass	pass
ANVL-ISIS-26.5	RFC3719 Section 3.	1 Page 4 " ID Length"				
MUST	If a router e	RFC 3719 Part 2 ncounters a PDU 5.a.2 dictates	J with an ID Le			
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	pass	pass	pass	pass	pass	pass
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	pass	pass	pass	pass	pass	pass





	Release	Release	Release	Release	Release	Master
	2.0	3.0	2.0.2	3.0.2	3.0.3	2018-01-16
ANVL-ISIS-26.8	RFC3719 Section 3.3 Page 5 " Protocol Version"					
MUST	ISISUpdate - RFC 3719 Part 2 If a router receives a PDU with a value other than 1 for either field, it MUST drop the packet. Note: Verify the Version field					
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	pass	pass	pass	pass	pass	pass
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	pass	pass	pass	pass	pass	pass
ANVL-ISIS-26.9	RFC3719 Section 3.3 Page 5 " Protocol Version"					
MUST	ISISUpdate - RFC 3719 Part 2 If a router receives a PDU with a value other than 1 for either field, it MUST drop the packet. Note: Verify the Version/Protocol ID field					
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	pass	pass	pass	pass	pass	pass
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	pass	pass	pass	pass	pass	pass
ANVL-ISIS-26.23	RFC3719 Section 11 Page 11 "Doppelganger LSPs"					
MUST	ISISUpdate - RFC 3719 Part 2 A complete set of CSNPs is a set whose Start LSPID and End LSPID ranges cover the complete possible range of LSPIDs. (i.e., there is no possible LSPID value which does not appear within the range of one of the CSNPs in the set).					
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	pass	pass	pass	pass	pass	pass
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:
	pass	pass	pass	pass	pass	pass