

	Master 2017-01-16	Master 2017-01-16	Stable 2.0-rc1	Stable 2.0-rc1	Stable 2.0-rc2	Stable 2.0-rc2	Master 2017-02-24	Master 2017-02-24	Master 2017-03-07	Master 2017-03-07	Release 2.0	Release 2.0		
	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3		
Туре	FRR	FRR	FRR	FRR	FRR	FRR	FRR	FRR	FRR	FRR	FRR	FRR		
Commit ID	ab0c954	ab0c954	16e3267	16e3267	5753eb9	5753eb9	821cf0d	821cf0d	1a664f5	1a664f5	3e71b5d	3e71b5d		
Commit Date	2017-01-16	2017-01-16	2017-01-19	2017-01-19	2017-02-23	2017-02-23	2017-02-24	2017-02-24	2017-03-07	2017-03-07	2017-04-02	2017-04-02		
ANVL- ISIS-1.1	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
MUST	ISO/IEC 10589:1992(E)s9.5 p49 Level 1 LAN IS to IS hello PDU IS to IS Hello PDU													
	1. Intra-d 2. PDU typ	/Protocol I	ng Protoco	l Discrimi	nator = 0:	x83	ı	ı	ı	ı				
ANVL- ISIS-1.2	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
MUST	ISO/IEC 10589	:1992(E)s9.5 p49	Level 1 LAN IS	S to IS hello PD	υ									
WOST	ISO/IEC 10589:1992(E)s9.5 p49 Level 1 LAN IS to IS hello PDU 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.													
ANVL- ISIS-1.3	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	ISO/IEC 10589	:1992(E)s9.5 p49	Level 1 LAN IS	S to IS hello PE	υU									
MUST	1. An Inte the corres 2. The Val	ello PDU ID Length f ger between ponding len ue zero, wh ue 255, whi	1 and 8, gth ich indica	inclusive, tes a six	indicatinoctet ID,	ng an ID fi field leng	ield of gth							



	Master 2017-01-16 Ubuntu 16.04	Master 2017-01-16 FreeBSD 10.3	Stable 2.0-rc1 FreeBSD 10.3	Stable 2.0-rc1 Ubuntu 16.04	Stable 2.0-rc2 Ubuntu 16.04	Stable 2.0-rc2 FreeBSD 10.3	Master 2017-02-24 Ubuntu 16.04	Master 2017-02-24 FreeBSD 10.3	Master 2017-03-07 FreeBSD 10.3	Master 2017-03-07 Ubuntu 16.04	Release 2.0 Ubuntu 16.04	Release 2.0 FreeBSD 10.3	
ANVL- ISIS-1.4	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
MUST	ISO/IEC 10589	:1992(E)s9.5 p49	9-50 Level 1 LA	N IS to IS hello	PDU								
WOST	IS to IS H In a LAN L	ello PDU evel 1 IIH	the Circui	t Type mus	t be eithe	er 1 or 3							
ANVL- ISIS-1.5	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
MUST	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												
	IS to IS Hello PDU The valid Codes that must be present in the VARIABLE LENGTH FIELD of Level 1 LAN IS to IS hello PDU are: Area Address Protocols Supported IP Interface Address												
ANVL- ISIS-1.6	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
MUST		p32 Maintaining iew of IP-specific											
	IS to IS Hello PDU The Protocol supported field must be present in all IS-IS Hello Packets send by IP-only routers												
ANVL-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
ISIS-1.7	NEGATIVE : RE	C 1195 s4.4 p32	2 Maintaining R	outer Adjacenc	ies								
MUST		ello PDU ol Supporte nd by IP-on		st be pres	ent in all	l IS-IS Hel	llo						



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	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	 Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3	
ANVL- ISIS-1.8	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
	ISO/IEC 10589	:1992(E)s9.6 p51	Level 2 LAN IS	S to IS hello PD	U								
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												
ANVL- ISIS-1.9	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
	ISO/IEC 10589	:1992(E)s9.6 p51	Level 2 LAN IS	S to IS hello PD	υU	-							
MUST	Reserved/C	ello PDU PDU Type(5 [,] ircuit Type hich are al [,]	(9th octet) and 8th	bit of Pr	iority are							
ANVL- ISIS-1.10	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
	ISO/IEC 10589	:1992(E)s9.6 p51	Level 2 LAN IS	S to IS hello PD	U								
MUST	1. An Inte the corres 2. The Val	ello PDU ID Length f ger between ponding len ue zero,whic ue 255,which	1 and 8,i gth ch indicat	ld of th									
ANVL- pass pass pass pass pass pass pass pas												pass	
	ISO/IEC 10589	:1992(E)s9.6 p51	Level 2 LAN IS	S to IS hello PD	υU								
MUST	IS to IS H In a LAN L	ello PDU evel 2 IIH	the Circui	t Type mus	t be eithe	er 2 or 3							



	Master 2017-01-16 Ubuntu 16.04	Master 2017-01-16 FreeBSD 10.3	Stable 2.0-rc1 FreeBSD 10.3	Stable 2.0-rc1 Ubuntu 16.04	Stable 2.0-rc2 Ubuntu 16.04	Stable 2.0-rc2 FreeBSD 10.3	Master 2017-02-24 Ubuntu 16.04	Master 2017-02-24 FreeBSD 10.3	Master 2017-03-07 FreeBSD 10.3	Master 2017-03-07 Ubuntu 16.04	Release 2.0 Ubuntu 16.04	Release 2.0 FreeBSD 10.3		
ANVL- ISIS-1.12	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
MUST		:1992(E)s9.6 p51 .2 p38-39 Level 2			PDU									
	of Level 2 Area Addre Protocols	Codes that I LAN IS to			he VARIABI	LE LENGTH I	FIELD							
ANVL- ISIS-1.13	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
MUST		FC 1195 s4.4 p32 Maintaining Router Adjacencies 5.2 p34 Overview of IP-specific Information for IS-IS												
	The Protoc	IS to IS Hello PDU The Protocol supported field must be present in all IS-IS Hello Packets send by IP-only routers												
ANVL- ISIS-1.14	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	NEGATIVE : RI	FC 1195 s4.4 p32	! Maintaining R	outer Adjacenc	ies									
MUST		ello PDU ol Supporte nt by IP-on			ent in all	l IS-IS He	llo							
ANVL- ISIS-1.19	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	RFC 1195 s3.1	p15 Exchange o	f Routing inform	nation										
MUST		ello PDU routers ne by other ro			ork layer	protocols	are							
ANVL- ISIS-1.20	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	RFC 1195 s4.2	p31 Multiple IP A	Addresses per l	nterface										
MUST		ello PDU face corres d can have 1				n is								



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	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3
ANVL- ISIS-1.21	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
	RFC 1195 s3.1	p15 Exchange o	f Routing inforn	nation								
MUST		ello PDU routers ne by other ro			ork layer	protocols	are					
ANVL- ISIS-1.22	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
	RFC 1195 s4.2	p31 Multiple IP A	Addresses per I	nterface								
MUST		ello PDU face corres d can have				ı is						
ANVL- ISIS-1.23	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
	RFC 1195 s4.2	p31 Multiple IP A	Addresses per I	nterface								
MUST		ello PDU face corres nsmitted ca	_				IIH					
ANVL-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
ISIS-1.24	RFC 1195 s4.2	p31 Multiple IP A	Addresses per I	nterface								
MUST		ello PDU face corres nsmitted ca					IIH					
ANVL-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
ISIS-2.1	ISO/IEC 10589	:1992(E) s9.8 p5	4 Level 1 LSPD	U								
MUST	Discrimina	PDU the level 1 tor = 0x83,) = 1 and V	PDU Type	= 18, Vers	ion/Protoc	col ID exte						



	Master 2017-01-16 Ubuntu 16.04	Master 2017-01-16 FreeBSD 10.3	Stable 2.0-rc1 FreeBSD 10.3	Stable 2.0-rc1 Ubuntu 16.04	Stable 2.0-rc2 Ubuntu 16.04	Stable 2.0-rc2 FreeBSD 10.3	Master 2017-02-24 Ubuntu 16.04	Master 2017-02-24 FreeBSD 10.3	Master 2017-03-07 FreeBSD 10.3	Master 2017-03-07 Ubuntu 16.04	Release 2.0 Ubuntu 16.04	Release 2.0 FreeBSD 10.3		
ANVL- ISIS-2.2	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	ISO/IEC 10589	:1992(E) s9.8 p54	4 Level 1 Link S	State PDU										
MUST		PDU PDU Type (hich are al					PDU							
ANVL- ISIS-2.3	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
MUST	ISO/IEC 10589:1992(E) s9.8 p54-55 Level 1 Link State PDU													
	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)													
ANVL- ISIS-2.4	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL		
MUST														
	ISO/IEC 10589:1992(E) s9.8 p54-55 Level 1 Link State PDU RFC 1195 s5.3.4, p40-43 Level 1 Link State PDU 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													
ANVL- ISIS-2.11	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	ISO/IEC 10589	:1992(E) s9.9 p5	7 Level 2 LSPD	U										
MUST	Discrimina	PDU the level 2 tor =0x83, 1 and Version	PDU Type=2	0, Version/	Protocol 1	ID extension								



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ANVL- ISIS-2.12	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
	ISO/IEC 10589	:1992(E) s9.9 p5	7 Level 2 Link S	State PDU									
MUST		PDU PDU Type (hich are al					PDU						
ANVL-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
ISIS-2.13	ISO/IEC 10589	:1992(E) s9.9 p5	7 Level 2 Link S	State PDU									
ANN#	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)												
ANVL- ISIS-2.14	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	
MUST													
	ISO/IEC 10589:1992(E) s9.9 p57-59 Level 2 Link State PDU RFC 1195 s5.3.5,p43-48 Level 2 Link State PDU 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												
ANVL- ISIS-2.17	pass	pass	unpredict	pass	pass	pass	pass	pass	pass	pass	pass	pass	
	RFC 1195 S3.1	P15 Exchange	of routing inforn	nation									
MUST		PDU ires that a are ignore											



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ANVL- ISIS-2.18	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
MUST	Link State IS-IS requ	PDU ires that a are ignore	ny codes i	n a receiv									
ANVL- ISIS-3.1	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
MUST	ISO/IEC 10589:1992(E) s9.10 p60 Level 1 complete sequence numbers PDU												
	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												
ANVL- ISIS-3.2	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
MUST	ISO/IEC 10589	:1992(E) s9.10 p	60 Level 1 Com	plete sequence	number PDU								
MUST	Bit 6-8 of	umbers PDU PDU Type (hich are al U					quence						
ANVL- ISIS-3.3	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
MUST	ISO/IEC 10589	:1992(E) s9.10 p	57 Level 1 com	plete sequence	e numbers PDL	J							
WIUST	The valid shall take 1. An inte corespondi 2. The val	umbers PDU ID Length f any one of ger between ng length ue zero, wh ue 255, whi	these fol 1 and 8, ich indica	lowing val inclusive, tes a six	ues: indicatir octet ID,f	ng an ID fi Sield lengt	ield of						



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	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3			
ANVL- ISIS-3.4	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass			
MUST	PDU	:1992(E) s9.10 pt .6,p48-49 Level 1													
	The valid level 1 co	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 pass pass pass pass pass pass pass pas													
ANVL- ISIS-3.5	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass			
MUST	ISO/IEC 10589:1992(E) s9.10 p61-62 Level 2 complete sequence numbers PDU														
	Sequence Numbers PDU Level 2 complete sequence number PDU must have Intra-domain Routing protocol Discriminator = 0x83, PDU Type = 25, Version/Protocol ID extension (3rd octet) = 1 and Version (6th octet) = 1 in the header														
ANVL- ISIS-3.6	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass			
	ISO/IEC 10589	:1992(E) s9.11 p	62 Level 2 Com	plete sequence	e number PDU										
MUST	Bit 6-8 of	umbers PDU PDU Type (hich are al U	,		•	,	quence								
ANVL- ISIS-3.7	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass			
MUST	ISO/IEC 10589:1992(E) s9.11 p61-62 Level 2 complete sequence numbers PDU														



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ANVL- ISIS-3.8	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass			
MUST	PDU	:1992(E) s9.11 po .7,p49 Level 2 co	,	•											
	The valid level 2 co	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 pass unpredict unpredict pass pass unpredict pass unpredict unpredict pass unpredict													
ANVL- ISIS-3.9	pass	unpredict	unpredict	pass	pass	unpredict	pass	unpredict	unpredict	pass	pass	unpredict			
	ISO/IEC 10589(E) s9.12 p62-63 Level 1 partial sequence numbers 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														
ANVL- ISIS-3.10	pass	pass	unpredict	pass	pass	unpredict	pass	pass	pass	pass	pass	unpredict			
	ISO/IEC 10589	:1992(E) s9.12 p	63 Level 1 parti	al sequence nu	ımber PDU										
MUST		PDU Type (hich are al					ıence								
ANVL-	pass	pass	unpredict	pass	pass	pass	pass	pass	pass	pass	pass	pass			
	ISO/IEC 10589	:1992(E) s9.12 p	63 Level 1 parti	al sequence nu	ımber PDU										
MUST	ISIS-3.11 ISO/IEC 10589:1992(E) s9.12 p63 Level 1 partial sequence number PDU 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)														



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	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3	
ANVL- ISIS-3.12	pass	unpredict	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
MUST		:1992(E) s9.12 pt .8,p49 Level 1 pa			ımber PDU								
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													
ANVL-	pass	unpredict	pass	pass	pass	unpredict	pass	unpredict	unpredict	pass	pass	unpredict	
ISIS-3.13	ISO/IEC 10589(E) s9.12 p64-65 Level 2 partial sequence numbers PDU												
MUST	Level 2 pa protocol D	umbers PDU rtial seque iscriminato)=1 and Ver	r=0x83, PD	U Type=27,	Version/	Protocol II							
ANVL- ISIS-3.14	pass	unpredict	unpredict	pass	pass	pass	pass	pass	pass	pass	pass	pass	
	ISO/IEC 10589	:1992(E) s9.12 p	64 Level 2 parti	al sequence nu	ımber PDU								
MUST		PDU Type (hich are al					ıence						
ANVL- ISIS-3.15	pass	pass	pass	pass	pass	pass	pass	unpredict	pass	pass	pass	pass	
	ISO/IEC 10589	:1992(E) s9.12 p	64 Level 2 parti	al sequence nu	ımber PDU								
MUSI	ISO/IEC 10589:1992(E) s9.12 p64 Level 2 partial sequence number PDU 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)												



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	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3		
ANVL- ISIS-3.16	pass	pass	unpredict	pass	pass	unpredict	pass	unpredict	pass	pass	pass	unpredict		
MUST		:1992(E) s9.12 p0 .9,p49 Level 2 pa			ımber PDU									
	Sequence Numbers PDU The valid codes that must be present in the VARIABLE LENGTH FIELD of level 2 partial sequence numbers PDU are: 1. LSP Entries pass pass pass pass pass pass pass pa													
ANVL- ISIS-4.1	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
MUST	ISO/IEC 10589:1992(E), s7.2.4, p14, Links													
INIUST	Level 1 Adjacency IS discover neighbours and forms adjacencies by exchanging ISIS Hello PDUs.													
ANVL- ISIS-4.2	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	RFC 1195, s5.1	I, p33, Overview	of ISIS PDUs											
MUST	Level 1 Ad Hello pack neighbouri	ets are use	d to initi	alize and	maintain a	adjacencies	s between							
ANVL- ISIS-4.3	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	ISO/IEC 10589	:1992(E), s8.4.2,	p44, Broadcas	t subnetwork III	H PDUs									
MUST	Level 1 Ad An L1 IS s	jacency hall transm	it only L1	LAN IIHs.										
ANVL- ISIS-4.4	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	ISO/IEC 10589	:1992(E), s8.4.2,	p44, Broadcas	t subnetwork III	H PDUs									
SHOULD		jacency sent by L1 ses of L1 I			e manualAr	reaAddresse	es and							



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	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3	
ANVL- ISIS-4.5	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
	ISO/IEC 10589	:1992(E), s8.4.2,	p44, Broadcas	t subnetwork III	H PDUs								
MUST	Level 1 Ad An L1 IS s address Al	hall transm	it L1 LAN	IIHs to th	e multi-de	estination							
ANVL- ISIS-4.6	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
	ISO/IEC 10589:1992(E), s8.4.2, p44, Broadcast subnetwork IIH PDUs												
Level 1 Adjacency L1 ISs shall listen on the multi-destination address AllL1ISs.													
ANVL- ISIS-4.7	pass	FAIL	FAIL	pass	pass	FAIL	pass	FAIL	FAIL	pass	pass	FAIL	
MUST		D/IEC 10589:199 network IIH PDUs		4,									
		jacency ll reject a n as AllL1I		IIH that d	oesn"t hav	re the							
ANVL- ISIS-4.8	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
	ISO/IEC 10589	:1992(E), s8.4.2.	1, p44, IIH PDL	acceptance te	sts		-			-			
SHOULD		jacency ength of th ainIDLength				alue of th	ne IS						
ANVL-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
ISIS-4.9 SHOULD		:1992(E), s8.4.2.: :1992(E), s8.2.4.:			PDUs								
		jacency eived L1 II Addresses o											



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	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3		
ANVL- ISIS-4.10	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
MUST		:1992(E), s8.4.2.2 :1992(E), s8.2.4.2	· · · · · ·		PDUs									
		eived L1 III m the manua				-	ccept the							
ANVL- ISIS-4.11	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
MUST		SO/IEC 10589:1992(E), s8.4.2.2, p45, Receipt of L1 IIH PDUs SO/IEC 10589:1992(E), s8.2.4.2, p38, IIH PDU Processing												
	Level 1 Adjacency If the received L1 IIHs maximumAreaAddresses value is equal to the ISs maximumAreaAddresses, accept the PDU.													
ANVL- ISIS-4.12	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	ISO/IEC 10589	:1992(E), s8.4.2.2	2, p45, Receipt	of L1 IIH PDUs	6									
MUST		jacency ISs maximum with non ma					scard all							
ANVL-	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL		
MUST		:1992(E), s8.2.4.2 :1992(E), s8.4.2.2			5									
	ISO/IEC 10589:1992(E), s8.4.2.2, p45, Receipt of L1 IIH PDUs 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.													
ANVL- ISIS-4.14	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	ISO/IEC 10589	:1992(E), s8.4.2.	5.1, p45, New A	djacencies										
MUST		jacency IS receive H generated				IS (R), the	en the							



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ANVL- ISIS-4.15	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
	ISO/IEC 10589	:1992(E), s8.4.2.	5.1, p45, New A	djacencies									
MUST	Level 1 Ad When an L1 create an	IS receive	s an L1 LA	N IIH with	its own e	entry, ther	n it shall						
ANVL- ISIS-4.16	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
	ISO/IEC 10589	:1992(E), s8.4.2.	5.2, p45, New A	djacencies									
MUST ISO/IEC 10589:1992(E), s8.4.2.5.2, p45, New Adjacencies Level 1 Adjacency If a neighbour is not heard within the Holding Time, the L1 IS shall purge it from the database.													
ANVL- ISIS-5.1	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
	ISO/IEC 10589	:1992(E), s7.2.4,	p14, Links										
MUST	Level 2 Ad IS discove ISIS Hello	r neighbour	s and form	s adjacenc	ies by exc	changing							
ANVL-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
ISIS-5.2	RFC 1195, s5.1	I, p33, Overview	of ISIS PDUs										
MUST	RFC 1195, s5.1, p33, Overview of ISIS PDUs Level 2 Adjacency Hello packets are used to initialize and maintain adjacencies between neighbouring ISs.												
ANVL- ISIS-5.3	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
	ISO/IEC 10589	:1992(E), s8.4.2,	p44, Broadcast	subnetwork III	H PDUs								
MUST	Level 2 Ad An L2 IS s	jacency hall transm	it only L2	LAN IIHs.									



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	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3	
ANVL- ISIS-5.4	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
	ISO/IEC 10589	:1992(E), s8.4.2,	p44, Broadcas	t subnetwork III	H PDUs								
SHOULD	Level 2 Adjacency An L2 IIH sent by L2 IS should contain the manual Area Addresses and LAN Addresses of L2 IS adjacencies.												
ANVL- ISIS-5.5	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
	ISO/IEC 10589:1992(E), s8.4.2, p44, Broadcast subnetwork IIH PDUs												
MUST Level 2 Adjacency An L2 IS shall transmit L2 LAN IIHs to the multi-destination address AllL2ISs.													
ANVL- ISIS-5.6	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
MUST	ISO/IEC 10589	:1992(E), s8.4.2,	p44, Broadcas	t subnetwork III	H PDUs								
WIUST	Level 2 Ad L2 ISs sha	jacency ll listen o	n the mult	i-destinat	ion addres	s AllL2ISs	3.						
ANVL- ISIS-5.7	pass	FAIL	FAIL	pass	pass	FAIL	pass	FAIL	FAIL	pass	pass	FAIL	
	ISO/IEC 10589	:1992(E), s8.4.2,	p44, Broadcas	t subnetwork III	H PDUs								
MUST		jacency ll reject a n as AllL2I		IIH that d	oesn"t hav	ve the							
ANVL- ISIS-5.8	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
	ISO/IEC 10589	:1992(E), s8.4.2.	1, p44, IIH PDL	acceptance te	sts								
SHOULD		jacency ength of th ainIDLength				the value o	of the ISs						



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	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3
ANVL- ISIS-5.9	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
	ISO/IEC 10589	:1992(E), s8.4.2.	5.1, p45, New A	Adjacencies								
MUST		jacency IS receive H generated				IS (R), the	en the					
ANVL- ISIS-5.10	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
	ISO/IEC 10589	:1992(E), s8.4.2.	5.1, p45, New A	Adjacencies								
MUST	Level 2 Ad When an L2 create an	IS receive	s an L2 LA	N IIH with	its own e	entry, ther	n it shall					
ANVL- ISIS-5.11	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
	ISO/IEC 10589	:1992(E), s8.4.2.	5.2, p45, New A	Adjacencies								
MUST		jacency bour is not rom the dat		hin the Ho	olding Time	e, the L2	IS shall					
ANVL-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
ISIS-6.1	ISO/IEC 10589	:1992(E), s8.4.2,	p44, Broadcas	t subnetwork III	H PDUs							
MUST	ISO/IEC 10589:1992(E), s8.4.2, p44, Broadcast subnetwork IIH PDUs Level 1 and Level 2 Adjacency An L1/L2 IS shall create separate adjacencies on receipt of L1 and L2 LAN IIH.											
ANVL- ISIS-6.2	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
	ISO/IEC 10589	:1992(E), s8.4.2,	p44, Broadcas	t subnetwork III	H PDUs							
MUST		d Level 2 A S shall tra		L1 and L2	LAN IIHs.							



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ANVL- ISIS-6.3	pass	pass	pass	unpredict	pass	pass	pass	pass	pass	unpredict	unpredict	pass	
	ISO/IEC 10589	:1992(E), s8.4.2,	p44, Broadcas	t subnetwork III	H PDUs								
MUST	An L1/L2 I	d Level 2 A S shall lis or L1 and L	ten on the			address All	lL1ISs and						
ANVL-	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	
ISIS-6.4	ISO/IEC 10589	:1992(E), s8.4.2,	p44, Broadcas	t subnetwork III	H 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.												
ANVL- ISIS-7.1	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
MUST		:1992(E) s7.2.3 p p31 Designated											
	Election p	signated Ro rocess of l ield in the	evel 1 des			y verifyir	ng						
ANVL-	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	
ISIS-7.2		:1992(E) s7.2.3 p p31 Designated											
	Election p	signated Ro rocess of l ield in the	evel 1 des			y verifyir	ng						
ANVL- ISIS-7.3	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
MUST		:1992(E) s7.2.3 p p31 Designated											
	Election p	signated Ro process of l ield in the	evel 1 des	ignated IS	is done b	y verifyir	ng						



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	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3	
ANVL- ISIS-7.4	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	
MUST		:1992(E) s7.2.3 p p31 Designated											
	Election p	signated Rorrocess of leight in the	evel 1 des	ignated IS	is done b	oy verifyin	ng						
ANVL- ISIS-7.5	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
	ISO/IEC 10589:1992(E) s8.4.5 p46 LAN designated IS												
MUST	Level 1 Designated Routers and Pseudonodes An L1 IS becomes an L1 Designated IS, it shall transmit L1 pseudonode LSP												
ANVL- ISIS-7.6	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
	ISO/IEC 10589	:1992(E) s8.4.5 p	47 LAN design	ated ISs									
MUST	An L1 IS s	signated Romhall transm the designa	it L1 LAN) field set	t to the						
ANVL-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
MUST		:1992(E) s7.2.3 p p31 Designated											
	Election p	signated Rorrocess of lield in the	evel 2 des			oy verifyin	ng						
ANVL- ISIS-8.2	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	
MUST		:1992(E) s7.2.3 p p31 Designated											
	Election p	signated Rorrocess of leight in the	evel 2 des			oy verifyin	ng						



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ANVL- ISIS-8.3	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
MUST		:1992(E) s7.2.3 p p31 Designated											
	Election p	signated Rorrocess of leight in the	evel 2 des	ignated IS	is done k	oy verifyiı	ng						
ANVL- ISIS-8.4	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	
MUST	ISO/IEC 10589:1992(E) s7.2.3 p14 Broadcast subnetwork RFC 1195 s4.3 p31 Designated routers and Pseudonodes												
	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												
ANVL- ISIS-8.5	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
	ISO/IEC 10589	:1992(E) s8.4.5 p	46 LAN design	ated IS									
MUST		signated Ro ecomes an L LSP				smit L2							
ANVL- ISIS-8.6	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
	ISO/IEC 10589	:1992(E) s8.4.5 p	47 LAN design	ated ISs									
MUST	An L2 IS s	signated Romhall transm the designa	it L2 LAN) field set	t to the						
ANVL-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
ISIS-9.1		:1992(E) s8.4.2.1 p25 Authentication		Acceptance Tes	ts								
	If authent	N Circuit Aication is an armin the armed PDU	enabled on	a circuit									



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ANVL- ISIS-9.2	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
MUST		:1992(E) s8.4.4 p p25 Authenticati		on of LAN IIH P	DUs								
	An L1 IS w containing	N Circuit A ill include the circui IIH PDU if	authentic tTransmitP	ation info assword as	the authe	entication	value in						
ANVL- ISIS-9.3	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
MUST	ISO/IEC 10589:1992(E) s8.4.2.1 p45 IIH PDU Acceptance Tests RFC 1195 s3.9 p25 Authentication												
	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 matches any of the circuitReceivePasswords, then the L1 IS accepts the PDU												
ANVL- ISIS-9.4	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
MUST				Acceptance Tes	ts								
	ISO/IEC 10589:1992(E) s8.4.2.1 p45 IIH PDU Acceptance Tests RFC 1195 s3.9 p25 Authentication 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												
ANVL- ISIS-9.5	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
MUST		:1992(E) s8.4.2.1 p25 Authentication		Acceptance Tes	ts								
	If authent IIH contai	N Circuit A ication is ns authenti then the I	enabled on cation inf	a circuit ormation o									



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	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3	
ANVL- ISIS-10.1	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
MUST		:1992(E) s8.4.2.1 p25 Authentication		Acceptance Tes	ts								
	If authent	N Circuit A ication is ntain the a e PDU	enabled on	a circuit									
ANVL- ISIS-10.2	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
MUST	ISO/IEC 10589:1992(E) s8.4.4 p46 Transmission of LAN IIH PDUs RFC 1195 s3.9 p25 Authentication												
	Level 2 LAN Circuit Authentication An L2 IS will include authentication information of type Password containing the circuitTransmitPassword as the authentication value in its L2 LAN IIH PDU if authentication is enabled on the circuit												
ANVL- ISIS-10.3	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
MUST		:1992(E) s8.4.2.1 p25 Authentication		Acceptance Tes	ts								
	If authent contains a	N Circuit A ication is uthenticati atches any e PDU	enabled on on informa	a circuit	pe Passwoi	d, and if	this						
ANVL- ISIS-10.4	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
MUST	ISO/IEC 10589:1992(E) s8.4.2.1 p45 IIH PDU Acceptance Tests RFC 1195 s3.9 p25 Authentication												
	If authent contains a Password d	N Circuit A ication is uthenticati oes not mat discards th	enabled on on informa ch any of	a circuit tion of ty	pe Passwoi	d, and if	this						



	Master 2017-01-16 Ubuntu 16.04	Master 2017-01-16 FreeBSD 10.3	Stable 2.0-rc1 FreeBSD 10.3	Stable 2.0-rc1 Ubuntu 16.04	Stable 2.0-rc2 Ubuntu 16.04	Stable 2.0-rc2 FreeBSD 10.3	Master 2017-02-24 Ubuntu 16.04	Master 2017-02-24 FreeBSD 10.3	Master 2017-03-07 FreeBSD 10.3	Master 2017-03-07 Ubuntu 16.04	Release 2.0 Ubuntu 16.04	Release 2.0 FreeBSD 10.3	
ANVL- ISIS-10.5	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
MUST		:1992(E) s8.4.2.1 p25 Authentication	•	Acceptance Tes	ets								
	If authent IIH contai	N Circuit A ication is ns authenti then the I	enabled on cation inf	a circuit ormation c									
ANVL- ISIS-11.1	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
MUST	ISO/IEC 10589:1992(E) s7.3.2 p19-p20 Generation of local link state information												
	Periodic LSP Generation The update process is responsible for generating Link State PDUs under the following circumtances Upon Timer Expiration (LSPGenerationTimer)												
ANVL- ISIS-11.2	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
MUST	ISO/IEC 10589	:1992(E) s7.3.5 p	21 Periodic LS	P Generation									
MUST	The Interm	SP Generati ediate Syst maximum LSP	em shall r		every LSP	at interva	als						
ANVL- ISIS-11.3	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
MUST	ISO/IEC 10589	:1992(E) s7.3.5 p	21 Periodic LS	P Generation									
MUST	The Interm	SP Generati ediate Syst maximum LSP	em shall r		every LSP	at interva	als						
ANVL- ISIS-11.4	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	
SHOULD	ISO/IEC 10589	:1992(E) s7.3.16	.1 p29 Sequenc	e number									
SHOOLD	When the s	SP Generati equence num uld be disa etime	ber reache				outing						



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	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3		
ANVL- ISIS-11.5	pass	FAIL	FAIL	pass	pass	FAIL	pass	unpredict	FAIL	pass	pass	FAIL		
MUST	ISO/IEC 10589 Expiration sync	:1992(E) s7.3.16. hronization	3-4 p29 Remai	ning LifeTime F	Field & LSP									
	If the Rem	SP Generation aining Life' shall purgong an expired	Time field e that LSP				onizes							
ANVL- ISIS-11.6	pass	FAIL	FAIL	pass	pass	unpredict	pass	FAIL	FAIL	pass	pass	FAIL		
MUST	ISO/IEC 10589:1992(E) s7.3.16.3-4 p29 Remaining LifeTime Field & LSP Expiration synchronization													
	Periodic LSP Generation If the Remaining LifeTime field of the received LSP is zero the system shall purge that LSP from its database and synchronizes by flooding an expired LSP													
ANVL-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
ISIS-11.7	ISO/IEC 10589 information	:1992(E) s7.3.2 p	19-p20 Genera	tion of local lin	< state									
	The update under the	ISO/IEC 10589:1992(E) s7.3.2 p19-p20 Generation of local link state information Periodic LSP Generation The update process is responsible for generating Link State PDUs under the following circumtances. - Upon Timer Expiration (LSPGenerationTimer)												
ANVL-	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL		
ISIS-11.8	ISO/IEC 10589	:1992(E) s7.3.16.	1 p29 Sequenc	e number										
SHOULD	When the s	SP Generation of the sequence number of the sequence number of the sequence of	ber reache				outing							



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ANVL- ISIS-17.1	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
	RFC 1195 S3.5	P23 Type of Ser	vice Routing									
MUST	If there i	rvice Routing no path forts that pausing defau	rom source articular	to destin type of se	ation madervice, the	e up of rou en the pack	uters, ket will					
ANVL- ISIS-17.2	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
	ISO/IEC 10589	:1992(E) S7.3.4 F	P21 Multiple LS	Ps			-					
MUST	If an LSP	rvice Routi becomes emp P no longer ing it	ty because									
ANVL- ISIS-17.3	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL
	RFC 1195 s5.3	.4 P42 Level 1 Lir	nk State PDU									
MUST		rvice Routi: EFAULT METR ssion		rved and m	ust be set	to zero						
ANVL-	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL
ISIS-17.4	RFC 1195 s5.3	.4 P42 Level 1 Lir	nk State PDU				-					
MUST	Bit 7 of D	rvice Routi EFAULT METR internal m	IC field (marked I/E) must be	set to zer	ro					
ANVL-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
ISIS-17.5	ISO/IEC 10589 Intermediate sy	:1992(E) s7.2.8.1 estems	p15 Computin	g routes throug	h overloaded							
	The Decisi system nei	rvice Routi on Process ghbour from ndication s	shall not an IS who									



	Master 2017-01-16 	Master 2017-01-16	Stable 2.0-rc1	Stable 2.0-rc1	Stable 2.0-rc2	Stable 2.0-rc2	Master 2017-02-24 	Master 2017-02-24 	Master 2017-03-07 	Master 2017-03-07 	Release 2.0	Release 2.0
	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3
ANVL- ISIS-17.7	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
	RFC 1195 S3.5	P23 Type of Ser	vice Routing									
MUST	If there i which supp	rvice Routing no path forts that pausing defau	rom source articular									
ANVL- ISIS-17.8	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
	ISO/IEC 10589	:1992(E) S7.3.4 F	P21 Multiple LS	Ps			-					
MUST	If an LSP	rvice Routi becomes emp P no longer ing it	ty because									
ANVL- ISIS-17.9	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL
	RFC 1195 s5.3	.5 P45 Level 2 Lir	nk State PDU									
MUST	4 4	rvice Routi EFAULT METR ssion	_	rved and m	ust be set	to zero						
ANVL- ISIS-	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL
17.10	RFC 1195 s5.3	.4 P45 Level 2 Lir	nk State PDU									
MUST	Bit 7 of D	rvice Routi: EFAULT METR internal m	IC field (marked I/E) must be	set to zer	ro					
ANVL-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
ISIS- 17.11	ISO/IEC 10589 Intermediate sy	:1992(E) s7.2.8.1 stems	p15 Computing	g routes throug	h overloaded							
MUST	The Decisi system nei	rvice Routi on Process ghbour from ndication s	shall not an IS who					_				



	Master 2017-01-16 Ubuntu 16.04	Master 2017-01-16 FreeBSD 10.3	Stable 2.0-rc1 FreeBSD 10.3	Stable 2.0-rc1 Ubuntu 16.04	Stable 2.0-rc2 Ubuntu 16.04	Stable 2.0-rc2 FreeBSD 10.3	Master 2017-02-24 Ubuntu 16.04	Master 2017-02-24 FreeBSD 10.3	Master 2017-03-07 FreeBSD 10.3	Master 2017-03-07 Ubuntu 16.04	Release 2.0 Ubuntu 16.04	Release 2.0 FreeBSD 10.3	
ANVL- ISIS-18.1	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
	ISO/IEC 10589	:1992(E) S7.2.5 F	P14 Multiple LS	Ps for the same	e system								
WOST	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												
ANVL- ISIS-18.2	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
	ISO/IEC 10589	:1992(E) S7.3 P1	9 Update proce	ess		-							
MUST	ISO/IEC 10589:1992(E) S7.3 P19 Update process Propagation of LSPs The update process is responsible for generating and propagating Link State information reliably throughout the routing domain												
ANVL-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
ISIS-18.3	ISO/IEC 10589 information	:1992(E) S7.3.2 F	P19-20 General	tion of local link	state "								
	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												
ANVL- ISIS-18.4	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
	ISO/IEC 10589	:1992(E) S7.3.8 F	P22 Generation	of level 1 pseu	idonode LSPs								
MUST		n of LSPs ddresses op Link State				an IS gene	erates						



	Master 2017-01-16 Ubuntu 16.04	Master 2017-01-16 FreeBSD 10.3	Stable 2.0-rc1 FreeBSD 10.3	Stable 2.0-rc1 Ubuntu 16.04	Stable 2.0-rc2 Ubuntu 16.04	Stable 2.0-rc2 FreeBSD 10.3	Master 2017-02-24 Ubuntu 16.04	Master 2017-02-24 FreeBSD 10.3	Master 2017-03-07 FreeBSD 10.3	Master 2017-03-07 Ubuntu 16.04	Release 2.0 Ubuntu 16.04	Release 2.0 FreeBSD 10.3		
ANVL-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
ISIS-18.5	ISO/IEC 10589 PDU	:1992(E) S7.3.15	.1 P24-25 Actio	on on receipt of	Link state									
	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 pass pass pass pass pass pass pass pas													
ANVL- ISIS-18.6	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
MUST	ISO/IEC 10589	:1992(E) s7.3.14.	1 p23 Propaga	tion of LSPs										
MUST	ISO/IEC 10589:1992(E) s7.3.14.1 p23 Propagation of LSPs Propagation of LSPs Duplicate PDUs are detected and dropped													
ANVL- ISIS-18.7	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	ISO/IEC 10589	:1992(E) s7.3.14.	2 p24 Propaga	tion ofLSPs										
MUST		n of LSPs nk State PD ne Level 1		e propagat	ed on circ	cuits, whic	ch have							
ANVL- ISIS-18.8	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	ISO/IEC 10589	:1992(E), s7.3.14	.2, p24, Propaç	gation of LSPs										
MUST		n of LSPs gating a L1 o the multi				t, the IS s	shall							
ANVL- ISIS-18.9	pass	FAIL	FAIL	pass	pass	FAIL	pass	FAIL	FAIL	pass	pass	FAIL		
1010 1010	ISO/IEC 10589	:1992(E) s7.3.14.	2 p24 Propaga	tion of LSPs										
MUST	one stored	n of LSPs termediate in the dat the link f	abase, the	stored li	nk state I	PDU needs t	50							



	Master 2017-01-16	Master 2017-01-16	Stable 2.0-rc1	Stable 2.0-rc1	Stable 2.0-rc2	Stable 2.0-rc2	Master 2017-02-24	Master 2017-02-24 	Master 2017-03-07	Master 2017-03-07	Release 2.0	Release 2.0	
_	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3	
ANVL- ISIS-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
18.10	ISO/IEC 10589	:1992(E) S7.3.16	.3 P29 Remain	ing Lifetime Fie	eld								
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												
ANVL- ISIS-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
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												
ANVL- ISIS-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
18.13	RFC 1195 S3.7	P24 IP-Only Op	eration										
MUST	omitted fo - The End	n of LSPs e VARIABLE : r IP only ro System Neig ix Neighbou	outers hbours ent	ries are o	mitted	packet mus	st be						
ANVL- ISIS-19.1	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
	ISO/IEC 10589	:1992(E) S7.2.5 F	P14 Multiple LS	Ps for the same	e system								
MUST	The follow number zer 1. The set 2. The val	of Local Ling informa o and disreting of the ue of the I a Addresses	tion shall garded if LSP Datab S Type fie	be taken the LSP nu ase Overlo ld	only from mber is no		LSP						



	Master 2017-01-16 Ubuntu 16.04	Master 2017-01-16 FreeBSD 10.3	Stable 2.0-rc1 FreeBSD 10.3	Stable 2.0-rc1 Ubuntu 16.04	Stable 2.0-rc2 Ubuntu 16.04	Stable 2.0-rc2 FreeBSD 10.3	Master 2017-02-24 Ubuntu 16.04	Master 2017-02-24 FreeBSD 10.3	Master 2017-03-07 FreeBSD 10.3	Master 2017-03-07 Ubuntu 16.04	Release 2.0 Ubuntu 16.04	Release 2.0 FreeBSD 10.3	
ANVL-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
ISIS-19.2	ISO/IEC 10589	:1992(E) S7.3 P1	9 Update proce	ess									
MUST	The update	of Local L process is informatio	responsib	le for gen	erating ar								
ANVL- ISIS-19.3	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
MUST	ISO/IEC 10589:1992(E) S7.3.2 P19-20 Generation of local link state " information												
	Generation of Local Link State Information 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												
ANVL-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
ISIS-19.4	ISO/IEC 10589	:1992(E) S7.3.8 I	P22 Generation	of level 2 pseu	idonode LSPs								
MUST	The Area A	of Local L ddresses op Link State	tion will	not be pre	sent when	an IS gene	erates						
ANVL-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
ISIS-19.5	ISO/IEC 10589 PDU	:1992(E) S7.3.15	P24-25 Action	on receipt of L	ink state								
	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												
ANVL- ISIS-19.6	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
	ISO/IEC 10589	:1992(E) s7.3.14	.1 p23 Propaga	tion of LSPs									
MUST		of Local L PDUs are de			on .								



	Master 2017-01-16 	Master 2017-01-16 	Stable 2.0-rc1 	Stable 2.0-rc1	Stable 2.0-rc2 	Stable 2.0-rc2 	Master 2017-02-24 	Master 2017-02-24 	Master 2017-03-07 	Master 2017-03-07 	Release 2.0	Release 2.0		
	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3		
ANVL- ISIS-19.7	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	ISO/IEC 10589	:1992(E) s7.3.14.	2 p24 Propaga	tion ofLSPs										
MUST	Level 2 Li	of Local L nk State PD ne Level 2	Us shall b			cuits, whic	ch have							
ANVL- ISIS-19.8	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
	ISO/IEC 10589	ISO/IEC 10589:1992(E), s7.3.14.2, p24, Propagation of LSPs												
MUST	When propa	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.												
ANVL- ISIS-19.9	pass	FAIL	FAIL	pass	pass	FAIL	pass	FAIL	FAIL	pass	pass	FAIL		
MUST	ISO/IEC 10589	:1992(E) s7.3.14	2 p24 Propaga	tion of LSPs										
WOST	When an In one stored	of Local L termediate in the dat the link f	System rec abase, the	eives a LS stored li	P older th nk state I	PDU needs t	ī.o							
ANVL- ISIS-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
19.10	ISO/IEC 10589 PDU	:1992(E) s7.3.15	1 p24 Action or	n receipt of a lir	nk state									
MUST	If the ID	of Local L Length of to gDomainISLe	he PDU is	not equal	to the val									
ANVL- ISIS-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
19.11	ISO/IEC 10589	:1992(E) S7.3.16	.3 P29 Remain	ing Lifetime Fie	ld									
MUST	When the s Lifetime t	of Local L ource gener o MaxAge. B hall decrem	ates a lin efore tran	k state PD smitting a	U,it shall link stat			,						



	Master 2017-01-16 Ubuntu 16.04	Master 2017-01-16 FreeBSD 10.3	Stable 2.0-rc1 FreeBSD 10.3	Stable 2.0-rc1 Ubuntu 16.04	Stable 2.0-rc2 Ubuntu 16.04	Stable 2.0-rc2 FreeBSD 10.3	Master 2017-02-24 Ubuntu 16.04	Master 2017-02-24 FreeBSD 10.3	Master 2017-03-07 FreeBSD 10.3	Master 2017-03-07 Ubuntu 16.04	Release 2.0 Ubuntu 16.04	Release 2.0 FreeBSD 10.3	
ANVL-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
ISIS- 19.13	RFC 1195 S3.2	P17 Exchange o	of routing inform	ation									
MUST	Level 2 ro	of Local Liuters need 2	to know wh	at IP addr		eachable fi	rom						
ANVL- ISIS-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
19.14	RFC 1195 S3.7 P25 IP-Only Operation												
MUST	Generation of Local Link State Information Some of the VARIABLE LENGTH fields from IS-IS link packet must be omitted for IP only routers - The End System Neighbours entries are omitted - The Prefix Neighbours entries are omitted												
ANVL- ISIS-20.1	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	
	ISO/IEC 10589	:1992(E) s7.3.16.	.1 p28 sequend	e numbers			-			-			
MUST	When a sys	P Sequence l tem initial: its own Li	izes, it s		with sequ	uence numbe	er						
ANVL- ISIS-20.2	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
	ISO/IEC 10589	:1992(E) s7.3.16.	.1 p28 sequend	ce numbers									
SHOULD		P Sequence l ce number o: be zero		ally gener	ated Link	State PDU							
ANVL- ISIS-20.3	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
	ISO/IEC 10589	:1992(E) s7.3.16.	.1 p29 sequend	ce numbers									
MUST	Update seq	P Sequence luence number the domain		g on the s	equence ni	umber rece	ived from						



	Master 2017-01-16 Ubuntu 16.04	Master 2017-01-16 FreeBSD 10.3	Stable 2.0-rc1 FreeBSD 10.3	Stable 2.0-rc1 Ubuntu 16.04	Stable 2.0-rc2 Ubuntu 16.04	Stable 2.0-rc2 FreeBSD 10.3	Master 2017-02-24 Ubuntu 16.04	Master 2017-02-24 FreeBSD 10.3	Master 2017-03-07 FreeBSD 10.3	Master 2017-03-07 Ubuntu 16.04	Release 2.0 Ubuntu 16.04	Release 2.0 FreeBSD 10.3
ANVL-	pass	FAIL	FAIL	pass	pass	FAIL	pass	FAIL	FAIL	pass	pass	FAIL
ISIS-20.4	ISO/IEC 10589	:1992(E) s7.3.16.	2 p29 LSP con	fusion								
MUST	If the seq generated	P Sequence luence number by the loca and flood the	rs match, l system,									
ANVL- ISIS-21.1	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL
	ISO/IEC 10589	:1992(E) s7.3.16.	.1 p28 sequend	ce numbers								
MUST	When a sys	P Sequence I tem initial its own Li	izes, it s		with sequ	uence numbe	er					
ANVL- ISIS-21.2	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
	ISO/IEC 10589	:1992(E) s7.3.16.	.1 p29 sequend	ce numbers								
SHOULD		P Sequence l ce number o be zero:		ally gener	ated Link	State PDU						
ANVL- ISIS-21.3	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
MUST	ISO/IEC 10589	:1992(E) s7.3.16.	.1 p29 sequend	ce numbers								
MUSI	Update seq	P Sequence I uence numbe: the domain		g on the s	equence ni	umber rece:	ived from					
ANVL- ISIS-21.4	pass	FAIL	FAIL	pass	pass	FAIL	pass	FAIL	FAIL	pass	pass	FAIL
	ISO/IEC 10589	:1992(E) s7.3.16.	2 p29 LSP con	fusion								
MUST	If the seq generated	P Sequence business of the local and flood the	rs match, l system,									



ANVL-	Master 2017-01-16 Ubuntu 16.04 pass	Master 2017-01-16 FreeBSD 10.3 pass	Stable 2.0-rc1 FreeBSD 10.3	Stable 2.0-rc1 Ubuntu 16.04 pass	Stable 2.0-rc2 Ubuntu 16.04 pass	Stable 2.0-rc2 FreeBSD 10.3	Master 2017-02-24 Ubuntu 16.04 pass	Master 2017-02-24 FreeBSD 10.3 pass	Master 2017-03-07 FreeBSD 10.3 pass	Master 2017-03-07 Ubuntu 16.04 pass	Release 2.0 Ubuntu 16.04	Release 2.0 FreeBSD 10.3	
ISIS-24.1	ISO/IEC 10589	:1992(E) s7.3.19	1 p31 Entering	the waiting sta	te	<u> </u>					·		
MUST		ate P cannot be be entered		he LSP sha	ll be igno	ored and wa	aiting						
ANVL- ISIS-24.2	pass	FAIL	FAIL	pass	pass	FAIL	pass	FAIL	FAIL	pass	pass	FAIL	
MUST	ISO/IEC 10589:1992(E) s7.3.19.1 p31 Entering the waiting state												
MUST	Waiting State When an LSP cannot be stored, the LSP shall be ignored and waiting State will be entered												
ANVL- ISIS-25.2	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
	RFC3719 Secti	on 2.1 Page 3 " N	/laxAge"										
SHOULD	MaxAge SHO	- RFC 3719 ULD exceed fy the Rema				oy atleast	300 seconds	5					
ANVL- ISIS-25.3	pass	FAIL	FAIL	pass	pass	FAIL	pass	FAIL	FAIL	pass	pass	FAIL	
	RFC3719 Secti	on 2.2 Page 4 " I	SISHoldingMult	iplier"									
MAY		- RFC 3719 ntation MAY	allow ISI	SHoldingMu	ltiplier t	to be confi	igurable.						
ANVL- ISIS-25.4	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
	RFC3719 Secti	on 3.1 Page 4 " I	D Length"										
MUST		- RFC 3719 ntation MUS	T use an I	D Length o	f 6.								



	Master 2017-01-16 Ubuntu 16.04	Master 2017-01-16 FreeBSD 10.3	Stable 2.0-rc1 FreeBSD 10.3	Stable 2.0-rc1 Ubuntu 16.04	Stable 2.0-rc2 Ubuntu 16.04	Stable 2.0-rc2 FreeBSD 10.3	Master 2017-02-24 Ubuntu 16.04	Master 2017-02-24 FreeBSD 10.3	Master 2017-03-07 FreeBSD 10.3	Master 2017-03-07 Ubuntu 16.04	Release 2.0 Ubuntu 16.04	Release 2.0 FreeBSD 10.3
ANVL- ISIS-25.5	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
	RFC3719 Secti	ion 3.1 Page 4 " I	D Length"									
MUST	If a route	- RFC 3719 r encounter 3.15.a.2 di	s a PDU wi				n 0 or 6,					
ANVL-	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL
ISIS-25.6	RFC3719 Secti	on 3.2 Page 5 "m	naximumAreaAd	ddresses"						-		
SHOULD		- RFC 3719 ntation SHO		e value 3.								
ANVL- ISIS-25.7	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
	RFC3719 Secti	ion 3.2 Page 5 " r	maximumAreaA	ddresses"								
MUST	If a route	- RFC 3719 r receives scard the P					not 0 or 3	,				
ANVL-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
ISIS-25.8	RFC3719 Secti	on 3.3 Page 5 " F	Protocol Version	II .								
MUST	If a route drop the p	- RFC 3719 r receives acket. fy the Vers	a PDU with	a value o	ther than	1 for eith	ner field, i	it MUST				
ANVL-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
ISIS-25.9	RFC3719 Secti	on 3.3 Page 5 " F	Protocol Version	II .								
MUST	If a route drop the p	- RFC 3719 r receives acket. fy the Vers	a PDU with			1 for eith	ner field, i	it MUST				



	Master 2017-01-16	Master 2017-01-16	Stable 2.0-rc1	Stable 2.0-rc1	Stable 2.0-rc2	Stable 2.0-rc2	Master 2017-02-24	Master 2017-02-24	Master 2017-03-07	Master 2017-03-07	Release 2.0	Release 2.0	
	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3	
ANVL- ISIS-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
25.23	RFC3719 Secti	on 11 Page 11 "[Doppelganger L	SPs"									
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).												
ANVL- ISIS-26.2	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	
	RFC3719 Secti	on 2.1 Page 3 " N	ЛахAge"										
SHOULD	MaxAge SHO	- RFC 3719 ULD exceed fy the Rema	maximumLSP			oy atleast	300 seconds	5					
ANVL- ISIS-26.3	pass	unpredict	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
	RFC3719 Secti	on 2.2 Page 4 " I	SISHoldingMult	iplier"									
MAY		- RFC 3719 ntation MAY		SHoldingMu	ıltiplier t	to be confi	igurable.						
ANVL- ISIS-26.4	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
MUST	RFC3719 Secti	on 3.1 Page 4 " I	D Length"										
MUSI	ISISUpdate - RFC 3719 Part 2 An implementation MUST use an ID Length of 6.												
ANVL- ISIS-26.5	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
	RFC3719 Secti	on 3.1 Page 4 " I	D Length"										
MUST	If a route	- RFC 3719 r encounter 3.15.a.2 di	s a PDU wi				n 0 or 6,						



	Master 2017-01-16 Ubuntu 16.04	Master 2017-01-16 FreeBSD 10.3	Stable 2.0-rc1 FreeBSD 10.3	Stable 2.0-rc1 Ubuntu 16.04	Stable 2.0-rc2 Ubuntu 16.04	Stable 2.0-rc2 FreeBSD 10.3	Master 2017-02-24 Ubuntu 16.04	Master 2017-02-24 FreeBSD 10.3	Master 2017-03-07 FreeBSD 10.3	Master 2017-03-07 Ubuntu 16.04	Release 2.0 Ubuntu 16.04	Release 2.0 FreeBSD 10.3
ANVL- ISIS-26.8	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
	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											
ANVL- ISIS-26.9	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
	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											
ANVL- ISIS- 26.23	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
	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).											