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	Release	Release	Release	Release	Release	Release	Master	Release		
	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0		
Туре	FRR	FRR	FRR	FRR	FRR	FRR	FRR	FRR		
Commit ID	36a7e78	30283fd	5dff4ec	7a377a1	85f25d8	c8c2427	5a80b8c	10d4945		
Commit Date	2017-11-08	2017-11-08	2018-01-09	2018-03-12	2018-07-05	2018-10-08	2019-02-24	2019-03-01		
ANVL-ISIS-	ISO/IEC 10589	:1992(E)s9.5 p49	Level 1 LAN IS t	to IS hello PDU						
1.1 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									
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested		
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu		
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass		
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD		
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass		
ANVL-ISIS- 1.2	ISO/IEC 10589:1992(E)s9.5 p49 Level 1 LAN IS to IS hello PDU									
MUST	Reserved/C	PDU Type (ircuit Type	5th octet), (9th octet ways set to) and 8th b	it of Prior	ity are				
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested		
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu		
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass		
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD		
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass		
ANVL-ISIS-	ISO/IEC 10589	:1992(E)s9.5 p49	Level 1 LAN IS 1	to IS hello PDU						
1.3 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 (i.e., zero length)									
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested		
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu		
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass		
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD		
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass		





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	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0
ANVL-ISIS-	ISO/IEC 10589	:1992(E)s9.5 p49)-50 Level 1 LAN	IS to IS hello PD	U			
1.4 MUST	IS to IS H In a LAN L		the Circuit	Type must l	oe either 1	or 3		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS- 1.5			Level 1 LAN IS t LAN IS to IS hel					
MUST		Codes that LAN IS to ss Supported	must be pre IS hello PD	sent in the U are:	VARIABLE LI	ENGTH FIELD		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS- 1.6			Router Adjacence Information for IS					
MUST				t be presen	t in all IS	-IS Hello		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS-	NEGATIVE : RF	C 1195 s4.4 p32	Maintaining Rou	ıter Adjacencies				
MUST				t be presen	t in all IS	-IS Hello		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
	_	_	_	_	_	_		





	Release 2.0.2	Release 3.0.2	Release 3.0.3	Release 4.0	Release 5.0.1	Release 6.0	Master 2019-02-24	Release 7.0
ANVL-ISIS-	ISO/IEC 10589:	:1992(E)s9.6 p51	Level 2 LAN IS t	to IS hello PDU				
MUST	1. Intra-do 2. PDU type	N IS to IS : omain Routi: e = 16 /Protocol I:	ng Protocol	Discriminat	cor = 0x83			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS- 1.9	ISO/IEC 10589:	:1992(E)s9.6 p51	Level 2 LAN IS 1	to IS hello PDU				
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.							
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS-	ISO/IEC 10589:	:1992(E)s9.6 p51	Level 2 LAN IS t	to IS hello PDU				
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)							
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass





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	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0		
ANVL-ISIS-	ISO/IEC 10589	:1992(E)s9.6 p51	Level 2 LAN IS t	to IS hello PDU						
1.11 MUST	IS to IS H In a LAN L		the Circuit	Type must l	oe either 2	or 3				
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested		
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu		
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass		
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD		
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass		
ANVL-ISIS- 1.12		:1992(E)s9.6 p51 .2 p38-39 Level 2			U					
MUST	IS to IS H The valid of Level 2 Area Addre Protocols IP Interfa	Codes that to LAN IS to ss Supported	must be pre IS hello PD	sent in the U are :	VARIABLE LI	ENGTH FIELD				
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested		
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu		
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass		
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD		
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass		
ANVL-ISIS- 1.13	RFC 1195 s4.4 p32 Maintaining Router Adjacencies s5.2 p34 Overview of IP-specific Information for IS-IS									
MUST	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								
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested		
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu		
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass		
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD		
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass		
ANVL-ISIS-	NEGATIVE : RF	C 1195 s4.4 p32	Maintaining Rou	iter Adjacencies						
1.14 MUST				t be presen	t in all IS-	-IS Hello				
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested		
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu		
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass		
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD		
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass		





	Release	Release	Release	Release	Release	Release	Master	Release	
	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0	
ANVL-ISIS- 1.19	RFC 1195 s3.1	p15 Exchange o	f Routing informa	tion			-		
MUST		ello PDU routers ne by other ro			ι layer prot	cocols are			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested	
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD	
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass	
ANVL-ISIS-	RFC 1195 s4.2	p31 Multiple IP A	Addresses per Int	erface					
1.20 MUST		ello PDU face corres d can have							
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested	
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD	
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass	
ANVL-ISIS-	RFC 1195 s3.1	p15 Exchange o	f Routing informa	tion					
1.21 MUST	IS to IS Hello PDU IP capable routers need to know what network layer protocols are supported by other routers in their area								
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested	
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD	
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass	
ANVL-ISIS-	RFC 1195 s4.2	p31 Multiple IP A	Addresses per Int	erface					
1.22 MUST	IS to IS Hello PDU Each interface corresponding to the SNPA over which is transmitted can have maximum of 63 IP addresses								
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested	
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD	
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass	





	Release	Release	Release	Release	Release	Release	Master	Release
	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0
ANVL-ISIS-	RFC 1195 s4.2	p31 Multiple IP A	Addresses per Int	erface				
1.23 MUST		ello PDU face corres nsmitted ca						
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS-	RFC 1195 s4.2	p31 Multiple IP A	Addresses per Int	erface				
1.24 MUST		ello PDU face corres nsmitted ca						
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS- 2.1	ISO/IEC 10589	:1992(E) s9.8 p5	4 Level 1 LSPDU					
MUST	Discrimina	PDU the level 1 tor = 0x83,) = 1 and V	PDU Type =	18, Version	n/Protocol	ID extension	ı	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS-	ISO/IEC 10589	:1992(E) s9.8 p5	4 Level 1 Link Sta	ate PDU				
2.2 MUST		PDU PDU Type (hich are al						
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass





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	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0		
ANVL-ISIS-	ISO/IEC 10589:	:1992(E) s9.8 p5	4-55 Level 1 Link	State PDU			-			
MUST	values: 1. An intercoresponding 2. The values	ID Length f ger between	ndicating ar	n ID field o	of					
	FreeBSD 10.3: passFreeBSD 10.3: passFreeBSD 10.3: passFreeBSD 									
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu		
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass		
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD		
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass		
ANVL-ISIS- 2.4		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								
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									
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:		
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	untested	untested		
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu		
	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: pass	16.04: pass		
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD		
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass		
ANVL-ISIS-	ISO/IEC 10589:	:1992(E) s9.9 p5	7 Level 2 LSPDU							
MUST	Discrimina	the level 2 tor =0x83,	PDU Type=20	ave Intrador ,Version/Pro t) = 1 in th	otocol ID ex		1			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested		
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu		
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass		
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD		
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass		





	Release	Release	Release	Release	Release	Release	Master	Release	
	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0	
ANVL-ISIS-	ISO/IEC 10589	:1992(E) s9.9 p5	7 Level 2 Link Sta	ate PDU					
2.12 MUST	Link State PDU Bit 6-8 of PDU Type (5th octet) and Reserved (7th octet) are reserved which are always set to zero in Level 2 Link State PDU								
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested	
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD	
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass	
ANVL-ISIS-	ISO/IEC 10589	:1992(E) s9.9 p5	7 Level 2 Link Sta	ate PDU					
2.13 MUST	The valid values: 1. An intecorespondi: 2. The val	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)							
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested	
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD	
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass	
ANVL-ISIS- 2.14		1992(E) s9.9 p5 5,p43-48 Level 2		State PDU					
MUST	The valid of level 2 Area Addre Intermedia Protocols IP Interfa	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							
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	untested	untested	
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	
	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: pass	16.04: pass	
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD	
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass	





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	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0	
ANVL-ISIS-	RFC 1195 S3.1	P15 Exchange of	of routing informa	tion					
2.17 MUST		PDU ires that a are ignore				ce not			
	FreeBSD 10.3:	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	
	unpredict	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested	
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD	
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass	
ANVL-ISIS- 2.18	RFC 1195 S3.1	P15 Exchange of	of routing information	tion					
MUST		PDU ires that a are ignore	-			re not			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested	
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	
	untested	untested	untested	untested	untested	untested	unpredict	12.0: pass	
ANVL-ISIS- 3.1	ISO/IEC 10589:1992(E) s9.10 p60 Level 1 complete sequence numbers PDU								
MUST	protocol D	umbers PDU mplete sequ iscriminato (3rd octet)	r = 0x83, PI	DU Type = 24	1, Version/I	Protocol ID			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested	
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD	
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass	
ANVL-ISIS-	ISO/IEC 10589	:1992(E) s9.10 p(60 Level 1 Compl	ete sequence nu	mber PDU				
3.2 MUST		PDU Type (hich are al					<u> </u>		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested	
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD	
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass	





	Release	Release	Release	Release	Release	Release	Master	Release		
	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0		
ANVL-ISIS- 3.3	ISO/IEC 10589	:1992(E) s9.10 p	57 Level 1 comp	lete sequence nu	mbers PDU					
MUST	shall take 1. An intecorespondic 2. The val	ID Length f any one of ger between ng length ue zero, wh	ield in a Lo these follo 1 and 8, in ich indicato ch means a n	owing values nclusive, in es a six oct	s: ndicating ar tet ID,field	n ID field o				
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested		
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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 12.0: untested	FreeBSD 12.0: untested	FreeBSD 12.0: untested	FreeBSD 12.0: untested	FreeBSD 12.0: untested	FreeBSD 12.0: untested	FreeBSD 12.0: pass	FreeBSD 12.0: pass		
ANVL-ISIS- 3.4	PDU	ISO/IEC 10589:1992(E) s9.10 p60-61 Level 1 complete sequence numbers PDU RFC 1195 s5.3.6,p48-49 Level 1 complete sequence numbers PDU								
MUST	level 1 con 1. LSP Ent	codes that mplete sequ	must be pre ence number: ormation	sent in the s PDU are:	VARIABLE LI	ENGTH FIELD	of			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested		
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu		
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass		
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD		
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass		
ANVL-ISIS- 3.5	ISO/IEC 10589 PDU	:1992(E) s9.10 p(61-62 Level 2 cor	nplete sequence	numbers					
MUST	protocol D	mplete sequi iscriminato:	ence number r = 0x83, Pi = 1 and Ve:	DU Type = 2!	5, Version/I	Protocol ID				
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested		
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu		
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass		
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD		
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass		





	Release	Release	Release	Release	Release	Release	Master	Release
	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0
ANVL-ISIS-	ISO/IEC 10589	:1992(E) s9.11 pt	62 Level 2 Compl	ete sequence nu	mber PDU			
3.6 MUST	Sequence Numbers PDU Bit 6-8 of PDU Type (5th octet) and Reserved(7th octet) are reserved which are always set to zero in Level 2 complete sequence numbers PDU							
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS- 3.7	ISO/IEC 10589 PDU	:1992(E) s9.11 pt	61-62 Level 2 cor	nplete sequence	numbers			
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)							
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS- 3.8	PDU		62 Level 2 complements	ete sequence nur numbers PDU	mbers			
MUST	level 2 co 1. LSP Ent	codes that mplete seque	ence number	sent in the s PDU are:	VARIABLE LI	ENGTH FIELD	of	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass





	Release	Release	Release	Release	Release	Release	Master	Release
	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0
ANVL-ISIS-	ISO/IEC 10589	(E) s9.12 p62-63	Level 1 partial se	equence numbers	PDU			
3.9 MUST	protocol D	rtial seque: iscriminato:	r=0x83, PDU	PDU must hav Type=26, Vectet)=1 in f	ersion/Proto			
	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: FAIL	unpredict	unpredict	unpredict	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:
	untested	untested	untested	untested	untested	untested	unpredict	unpredict
ANVL-ISIS-	ISO/IEC 10589	:1992(E) s9.12 p	63 Level 1 partial	sequence numb	er PDU			
3.10 MUST	Sequence Numbers PDU Bit 6-8 of PDU Type (5th octet) and Reserved (7th octet) are reserved which are always set to zero in Level 1 partial sequence numbers PDU							
	FreeBSD	FreeBSD 10.3:	FreeBSD	FreeBSD 10.3:	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	unpredict	10.3: pass	unpredict	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS-	ISO/IEC 10589	:1992(E) s9.12 pt	63 Level 1 partial	sequence numb	er PDU			
3.11 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)							
	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	unpredict	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:
	untested	untested	untested	untested	untested	untested	unpredict	unpredict





	Release 2.0.2	Release 3.0.2	Release 3.0.3	Release 4.0	Release 5.0.1	Release 6.0	Master 2019-02-24	Release 7.0	
ANVL-ISIS- 3.12		:1992(E) s9.12 p6 .8,p49 Level 1 pa		sequence number	er 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								
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	
	unpredict	unpredict	unpredict	10.3: pass	10.3: pass	10.3: pass	untested	untested	
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD 12.0:	
	untested	untested	untested	untested	untested	untested	12.0: pass	unpredict	
ANVL-ISIS-	ISO/IEC 10589	(E) s9.12 p64-65	Level 2 partial se	equence numbers	PDU				
3.13 MUST	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								
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	
	unpredict	unpredict	unpredict	unpredict	10.3: pass	10.3: pass	untested	untested	
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	
	untested	untested	untested	untested	untested	untested	unpredict	12.0: pass	
ANVL-ISIS-	ISO/IEC 10589	:1992(E) s9.12 p6	64 Level 2 partial	sequence number	er PDU				
3.14 MUST		PDU Type (! hich are al		and Reserved zero in Le					
	FreeBSD 10.3:	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	
	unpredict	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested	
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD 12.0:	
	untested	untested	untested	untested	untested	untested	12.0: pass	unpredict	





	Release	Release	Release	Release	Release	Release	Master	Release		
	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0		
ANVL-ISIS- 3.15	ISO/IEC 10589	:1992(E) s9.12 p(64 Level 2 partial	sequence number	er 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)									
	FreeBSD	FreeBSD 10.3:	FreeBSD	FreeBSD 10.3:	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:		
	10.3: pass	unpredict	10.3: pass	unpredict	10.3: pass	10.3: pass	untested	untested		
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu		
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass		
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD		
	untested	untested	untested	untested	untested	untested	unpredict	12.0: pass		
ANVL-ISIS- 3.16		:1992(E) s9.12 p0 .9,p49 Level 2 pa		sequence numbe umber PDU	er PDU					
MUST	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									
	FreeBSD 10.3:	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:		
	unpredict	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested		
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu		
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass		
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD		
	untested	untested	untested	untested	untested	untested	unpredict	12.0: pass		
ANVL-ISIS-	ISO/IEC 10589	:1992(E), s7.2.4,	p14, Links							
MUST	Level 1 Ad IS discove ISIS Hello	r neighbour	s and forms	adjacencies	s by exchang	ging				
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested		
	UbuntuUbuntuUbuntuUbuntuUbuntuUbuntuUbuntuUbuntuUbuntu16.04: pass16.04: pass16.04: pass16.04: pass16.04: pass16.04: pass									
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD		
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass		





	Release	Release	Release	Release	Release	Release	Master	Release
	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0
ANVL-ISIS- 4.2	RFC 1195, s5.1	, p33, Overview	of ISIS PDUs					
MUST	Level 1 Ad Hello pack neighbouri	ets are use	d to initia	lize and ma:	intain adjad	cencies bety	veen	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS- 4.3	ISO/IEC 10589	:1992(E), s8.4.2,	p44, Broadcast s	subnetwork IIH PI	DUs			
MUST	Level 1 Ad An L1 IS s	jacency hall transm	it only L1	LAN IIHs.				
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS- 4.4	ISO/IEC 10589	:1992(E), s8.4.2,	p44, Broadcast s	subnetwork IIH PI	DUs			
SHOULD		jacency sent by L1 ses of L1 I			manualAreaAo	ddresses and	i	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS- 4.5	ISO/IEC 10589	:1992(E), s8.4.2,	p44, Broadcast s	subnetwork IIH PI	DUs			
MUST	Level 1 Adjacency An L1 IS shall transmit L1 LAN IIHs to the multi-destination address AllL1ISs.							
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass





	Release	Release	Release	Release	Release	Release	Master	Release			
	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0			
ANVL-ISIS-	ISO/IEC 10589	:1992(E), s8.4.2,	p44, Broadcast s	subnetwork IIH PI	DUs						
4.6 MUST	Level 1 Ad L1 ISs sha	jacency ll listen o	n the multi	-destination	n address Al	llL1ISs.					
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested			
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu			
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass			
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD			
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass			
ANVL-ISIS- 4.7		D/IEC 10589:1992 etwork IIH PDUs									
MUST		jacency ll reject a n as AllL1I		IH that doe:	sn"t have th	ıe					
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:			
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	untested	untested			
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu			
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass			
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD			
	untested	untested	untested	untested	untested	untested	12.0: FAIL	12.0: FAIL			
ANVL-ISIS- 4.8	ISO/IEC 10589	ISO/IEC 10589:1992(E), s8.4.2.1, p44, IIH PDU acceptance tests									
SHOULD		jacency ength of the ainIDLength				e of the IS					
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested			
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu			
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass			
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD			
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass			
ANVL-ISIS- 4.9		:1992(E), s8.4.2.2 :1992(E), s8.2.4.2			Js						
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.										
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested			
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu			
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass			
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD			
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass			





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	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0	
ANVL-ISIS- 4.10		:1992(E), s8.4.2.: :1992(E), s8.2.4.:		f L1 LAN IIH PDU Processing	Js				
MUST		eived L1 II		ess field mases of the 1			the		
	FreeBSD FreeBSD FreeBSD FreeBSD FreeBSD FreeBSD FreeBSD FreeBSD 10.3: pass 10								
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD	
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass	
ANVL-ISIS- 4.11		:1992(E), s8.4.2.: :1992(E), s8.2.4.:							
MUST		eived L1 II		reaAddresse: cept the PDI		equal to			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested	
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD	
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass	
ANVL-ISIS- 4.12		:1992(E), s8.4.2.:	2, p45, Receipt o	f L1 IIH PDUs					
MUST		ISs maximum		es is not 3 imumAreaAdd:			all		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested	
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD	
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass	
ANVL-ISIS- 4.13		:1992(E), s8.2.4.: :1992(E), s8.4.2.:							
MUST	If the L1 IS will ac	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.							
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	untested	untested	
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	
	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD	
	untested	untested	untested	untested	untested	untested	12.0: FAIL	12.0: FAIL	





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	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0
ANVL-ISIS-	ISO/IEC 10589	:1992(E), s8.4.2.	5.1, p45, New Ad	jacencies				
4.14 MUST		jacency IS receive H generated				R), then the	2	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS-	ISO/IEC 10589	:1992(E), s8.4.2.	5.1, p45, New Ad	jacencies				
4.15 MUST	Level 1 Ad When an L1 create an	IS receive	s an L1 LAN	IIH with it	s own entry	, then it s	shall	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS- 4.16	ISO/IEC 10589	:1992(E), s8.4.2.	5.2, p45, New Ad	jacencies				
MUST		jacency bour is not rom the data		in the Hold:	ing Time, th	ne Ll IS sha	all	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS- 5.1	ISO/IEC 10589	:1992(E), s7.2.4,	p14, Links					
MUST	Level 2 Adjacency IS discover neighbours and forms adjacencies by exchanging ISIS Hello PDUs.							
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass





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	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0
ANVL-ISIS- 5.2	RFC 1195, s5.1	, p33, Overview	of ISIS PDUs					
MUST	Level 2 Ad Hello pack neighbouri	ets are use	d to initia	lize and ma:	intain adjad	cencies betw	veen	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS-	ISO/IEC 10589	:1992(E), s8.4.2,	p44, Broadcast s	subnetwork IIH PI	DUs			
5.3 MUST	Level 2 Ad An L2 IS s		it only L2	LAN IIHs.				
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS-	ISO/IEC 10589	:1992(E), s8.4.2,	p44, Broadcast s	subnetwork IIH PI	DUs			
SHOULD		sent by L2	IS should co S adjacencio	ontain the res.	manual Area	Addresses a	and	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS-	ISO/IEC 10589	:1992(E), s8.4.2,	p44, Broadcast s	subnetwork IIH PI	DUs			
5.5 MUST	Level 2 Adjacency An L2 IS shall transmit L2 LAN IIHs to the multi-destination address AllL2ISs.							
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass





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	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0
ANVL-ISIS-	ISO/IEC 10589	:1992(E), s8.4.2,	p44, Broadcast s	subnetwork IIH Pl	DUs			
5.6 MUST	Level 2 Ad L2 ISs sha	jacency ll listen o	n the multi	-destination	n address Al	llL2ISs.		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS-	ISO/IEC 10589	:1992(E), s8.4.2,	p44, Broadcast s	subnetwork IIH PI	DUs			
5.7 MUST		jacency ll reject a: n as AllL2I		IH that doe:	sn"t have th	ıe		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: FAIL	12.0: FAIL
ANVL-ISIS- 5.8	ISO/IEC 10589	:1992(E), s8.4.2.	1, p44, IIH PDU a	acceptance tests				
SHOULD		jacency ength of th ainIDLength				value of the	e ISs	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS-	ISO/IEC 10589	:1992(E), s8.4.2.	5.1, p45, New Ad	jacencies				
5.9 MUST		jacency IS receive H generated				R), then the	2	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass





	Release 2.0.2	Release 3.0.2	Release 3.0.3	Release 4.0	Release 5.0.1	Release 6.0	Master 2019-02-24	Release 7.0
ANVL-ISIS- 5.10	ISO/IEC 10589	:1992(E), s8.4.2.	5.1, p45, New Ad	jacencies				
MUST								
ANVL-ISIS- 5.11	ISO/IEC 10589	:1992(E), s8.4.2.	5.2, p45, New Ad	jacencies				
MUST	If a neigh	bour is not		in the Hold:	ing Time, th	ne L2 IS sha	all	
	0.000.000						0.0.0	
ANVL-ISIS- 6.1	ISO/IEC 10589	:1992(E), s8.4.2,	p44, Broadcast s	subnetwork IIH PI	DUs			
MUST	An L1/L2 I			e adjacencie	es on recei <u>r</u>	ot of L1 and	l L2	
							0.0.0	
ANVL-ISIS- 6.2	ISO/IEC 10589	:1992(E), s8.4.2,	p44, Broadcast s	subnetwork IIH PI	DUs			
MUST				L1 and L2 Li	AN IIHs.			
	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: untested					
	Ubuntu 16.04: pass							
	FreeBSD 12.0: untested	FreeBSD 12.0: pass	FreeBSD 12.0: pass					





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	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0
ANVL-ISIS-	ISO/IEC 10589	:1992(E), s8.4.2,	p44, Broadcast s	subnetwork IIH PI	DUs			
6.3 MUST	An L1/L2 I	d Level 2 A S shall lis or L1 and L	ten on the 1			ess AllL1IS:	s and	
	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	unpredict	unpredict	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu	Ubuntu	Ubuntu 16.04:	Ubuntu	Ubuntu
	16.04: pass	unpredict	unpredict	16.04: pass	16.04: pass	unpredict	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS-	ISO/IEC 10589	:1992(E), s8.4.2,	p44, Broadcast s	subnetwork IIH PI	DUs			
6.4 MUST	An L1/L2 I	d Level 2 A S shall rej s or AllL2I	ect any LAN	IIH that do	pesn"t have	the destina	ation	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: FAIL	12.0: FAIL
ANVL-ISIS- 7.1		:1992(E) s7.2.3 p p31 Designated						
MUST	Election p	signated Rorrocess of lield in the	evel 1 desig		s done by ve	erifying		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS- 7.2		:1992(E) s7.2.3 p p31 Designated						
MUST	Election p	signated Ro rocess of l ield in the	evel 1 desig		s done by ve	erifying		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: FAIL	12.0: FAIL





	Release	Release	Release	Release	Release	Release	Master	Release		
	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0		
ANVL-ISIS- 7.3		:1992(E) s7.2.3 p p31 Designated								
MUST	Election p	signated Rorrocess of leight in the	evel 1 desig	gnated IS is		erifying				
	FreeBSD FreeBSD FreeBSD FreeBSD FreeBSD FreeBSD 10.3: pass 10.3: p									
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu		
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass		
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD		
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass		
ANVL-ISIS- 7.4		:1992(E) s7.2.3 p p31 Designated								
MUST	Election p	signated Ro rocess of l ield in the	evel 1 desig	gnated IS is		erifying				
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:		
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	untested	untested		
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu		
	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL		
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD		
	untested	untested	untested	untested	untested	untested	12.0: FAIL	12.0: FAIL		
ANVL-ISIS- 7.5	ISO/IEC 10589	:1992(E) s8.4.5 p	46 LAN designat	ed IS						
MUST		signated Ro ecomes an L LSP			all transmit	: L1				
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested		
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu		
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass		
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD		
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass		
ANVL-ISIS-	ISO/IEC 10589	:1992(E) s8.4.5 p	47 LAN designat	ed ISs						
7.6 MUST	An L1 IS s	signated Ro hall transm the designa	it L1 LAN I		e LAN ID fi€	eld set to t	che			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested		
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu		
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass		
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD		
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass		





	Release	Release	Release	Release	Release	Release	Master	Release
	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0
ANVL-ISIS- 8.1		:1992(E) s7.2.3 p p31 Designated						
MUST	Election p	signated Rorrocess of lield in the	evel 2 desig	seudonodes gnated IS is	s done by ve	erifying		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS- 8.2		:1992(E) s7.2.3 p p31 Designated						
MUST	Election p	signated Ro rocess of l ield in the	evel 2 desig	seudonodes gnated IS i:	s done by ve	erifying		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: FAIL	12.0: FAIL
ANVL-ISIS- 8.3		:1992(E) s7.2.3 p p31 Designated						
MUST	Election p		evel 2 desig	seudonodes gnated IS is e MAC addres		erifying		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS- 8.4		:1992(E) s7.2.3 p p31 Designated						
MUST	Election p		evel 2 desig	seudonodes gnated IS i: e MAC addre:		erifying		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: FAIL	12.0: FAIL





	Release	Release	Release	Release	Release	Release	Master	Release
	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0
ANVL-ISIS- 8.5	ISO/IEC 10589	:1992(E) s8.4.5 p	46 LAN designat	ed IS				
MUST		signated Ro ecomes an L LSP			ll transmit	L2		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS-	ISO/IEC 10589	:1992(E) s8.4.5 p	47 LAN designat	ed ISs				
8.6 MUST	An L2 IS s	signated Ro hall transm the designa	it L2 LAN I		e LAN ID fie	eld set to t	che	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS- 9.1		:1992(E) s8.4.2.1 p25 Authentication		ceptance Tests				
MUST	If authent	N Circuit A ication is ntain the a e PDU	enabled on a	a circuit a				
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS- 9.2		:1992(E) s8.4.4 p p25 Authentication		of LAN IIH PDUs	•			
MUST	An L1 IS w containing	N Circuit A ill include the circui IIH PDU if	authentica tTransmitPa	tion informassword as tl	ne authentio	cation value	e in	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass





	Release	Release	Release	Release	Release	Release	Master	Release	
	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0	
ANVL-ISIS- 9.3		:1992(E) s8.4.2.1 p25 Authentication		ceptance Tests					
MUST	If authent contains a	uthenticati atches any	enabled on a	on a circuit a ion of type uitReceivePa	Password, a	and if this			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested	
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD	
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass	
ANVL-ISIS- 9.4		:1992(E) s8.4.2.1 p25 Authentication		ceptance Tests					
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								
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested	
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD	
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass	
ANVL-ISIS- 9.5		:1992(E) s8.4.2.1 p25 Authentication		ceptance Tests					
MUST	If authent		enabled on a cation info	a circuit an			sn"t		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested	
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD	
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass	





	Release 2.0.2	Release 3.0.2	Release 3.0.3	Release 4.0	Release 5.0.1	Release 6.0	Master 2019-02-24	Release 7.0	
ANVL-ISIS- 10.1		:1992(E) s8.4.2.1 p25 Authentication		ceptance Tests					
MUST	Level 2 LAN Circuit Authentication If authentication is enabled on a circuit and the received L2 LAN IIH doesn"t contain the authentication information field, the L2 IS shall discard the PDU								
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested	
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD	
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass	
ANVL-ISIS- 10.2		:1992(E) s8.4.4 p p25 Authentication		of LAN IIH PDUs	;				
MUST	An L2 IS w containing	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							
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested	
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD	
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass	
ANVL-ISIS- 10.3		:1992(E) s8.4.2.1 p25 Authentication		ceptance Tests					
MUST	If authent contains a	uthentication atches any	enabled on a	on a circuit am ion of type uitReceivePa	Password, a	and if this			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested	
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD	
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass	





	Release 2.0.2	Release 3.0.2	Release 3.0.3	Release 4.0	Release 5.0.1	Release 6.0	Master 2019-02-24	Release 7.0	
ANVL-ISIS- 10.4		:1992(E) s8.4.2.1 p25 Authenticati		ceptance Tests					
MUST	If authent contains a Password d	evel 2 LAN Circuit Authentication f authentication is enabled on a circuit and the received L2 LAN IIH contains authentication information of type Password, and if this assword does not match any of the circuitReceivePasswords, then the L2 IS discards the PDU							
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested	
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD	
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass	
ANVL-ISIS- 10.5		:1992(E) s8.4.2.1 p25 Authenticati		ceptance Tests					
MUST	Level 2 LAN Circuit Authentication If authentication is enabled on a circuit and the received L2 LAN IIH contains authentication information of a type that the IS doesn"t implement, then the IS discards the PDU								
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested	
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD	
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass	
ANVL-ISIS- 11.1	ISO/IEC 10589 information	:1992(E) s7.3.2 p	19-p20 Generati	on of local link sta	ate				
MUST	The update under the	following c	responsible ircumtances	e for genera rationTimer		State PDUs			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested	
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD	
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass	





	Release	Release	Release	Release	Release	Release	Master	Release
	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0
ANVL-ISIS-	ISO/IEC 10589	:1992(E) s7.3.5 p	21 Periodic LSP	Generation				
11.2 MUST	The Interm	SP Generati ediate Syst maximum LSP	em shall re		ery LSP at :	intervals		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS-	ISO/IEC 10589	:1992(E) s7.3.5 p	21 Periodic LSP	Generation				
11.3 MUST	The Interm	SP Generati ediate Syst maximum LSP	em shall re		ery LSP at :	intervals		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS- 11.4	ISO/IEC 10589	:1992(E) s7.3.16	.1 p29 Sequence	number				
SHOULD	When the s	SP Generati equence num uld be disa etime	ber reaches				3	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: FAIL	12.0: FAIL
ANVL-ISIS- 11.5	ISO/IEC 10589 Expiration sync	:1992(E) s7.3.16 hronization	.3-4 p29 Remaini	ng LifeTime Field	& LSP			
MUST	If the Rem	SP Generati aining Life shall purg g an expire	Time field o				5	
	FreeBSD 10.3:	FreeBSD	FreeBSD 10.3:	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	unpredict	10.3: pass	unpredict	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass





	Release 2.0.2	Release 3.0.2	Release 3.0.3	Release 4.0	Release 5.0.1	Release 6.0	Master 2019-02-24	Release 7.0		
ANVL-ISIS- 11.6	ISO/IEC 10589 Expiration sync		3-4 p29 Remaini	ng LifeTime Field	& LSP					
MUST	If the Rem		Time field o	of the rece from its da			3			
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:		
	unpredict	unpredict	unpredict	10.3: pass	10.3: pass	10.3: pass	untested	untested		
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu		
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass		
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD		
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass		
ANVL-ISIS- 11.7	ISO/IEC 10589 information	SO/IEC 10589:1992(E) s7.3.2 p19-p20 Generation of local link state information								
MUST	Periodic LSP Generation The update process is responsible for generating Link State PDUs under the following circumtances Upon Timer Expiration (LSPGenerationTimer)									
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested		
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu		
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass		
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD		
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass		
ANVL-ISIS-	ISO/IEC 10589	:1992(E) s7.3.16.	1 p29 Sequence	number						
SHOULD	When the s	uld be disa	ber reaches	the Sequence period of a			3			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:		
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	untested	untested		
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu		
	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL		
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD		
	untested	untested	untested	untested	untested	untested	12.0: FAIL	12.0: FAIL		





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	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0
ANVL-ISIS-	RFC 1195 S3.5	P23 Type of Ser	vice Routing					
17.1 MUST	If there i	rvice Routi s no path f orts that p using defau	rom source articular t					
	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	unpredict	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD 12.0:
	untested	untested	untested	untested	untested	untested	12.0: pass	unpredict
ANVL-ISIS-	ISO/IEC 10589	:1992(E) S7.3.4 F	P21 Multiple LSP	s				
17.2 MUST	If an LSP	rvice Routi becomes emp P no longer ing it	ty because					
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS- 17.3	RFC 1195 s5.3	.4 P42 Level 1 Liı	nk State PDU					
MUST		rvice Routi: EFAULT METR ssion	_	ved and must	t be set to	zero		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS- 17.4	RFC 1195 s5.3	.4 P42 Level 1 Liı	nk State PDU					
MUST	Bit 7 of D	rvice Routi: EFAULT METR internal m	IC field (ma	arked I/E) ı	must be set	to zero		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass





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	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0		
ANVL-ISIS- 17.5	ISO/IEC 10589 Intermediate sy	` '	p15 Computing	routes through ov	verloaded					
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.									
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested		
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu		
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass		
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD		
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass		
ANVL-ISIS-	RFC 1195 S3.5	P23 Type of Ser	vice Routing							
17.7 MUST	If there i		rom source articular t	to destinat: ype of serv:						
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested		
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu		
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass		
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD		
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass		
ANVL-ISIS- 17.8	ISO/IEC 10589:1992(E) S7.3.4 P21 Multiple LSPs									
MUST	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									
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested		
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu		
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass		
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD		
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass		
ANVL-ISIS- 17.9	RFC 1195 s5.3	.5 P45 Level 2 Liı	nk State PDU							
MUST				ved and must	t be set to	zero				
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:		
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	untested	untested		
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu		
	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: pass	16.04: pass		
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD		
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass		





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	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0			
ANVL-ISIS-	RFC 1195 s5.3	.4 P45 Level 2 Li	nk State PDU								
17.10 MUST	Bit 7 of D	rvice Routi EFAULT METR internal m	IC field (ma	arked I/E) :	must be set	to zero					
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:			
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	untested	untested			
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu			
	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: pass	16.04: pass			
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD			
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass			
ANVL-ISIS- 17.11		ISO/IEC 10589:1992(E) s7.2.8.1 p15 Computing routes through overloaded Intermediate systems									
MUST	The Decisi system nei		shall not u an IS whose								
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested			
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu			
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass			
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD			
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass			
ANVL-ISIS- 18.1	ISO/IEC 10589	:1992(E) S7.2.5 F	P14 Multiple LSP:	s for the same sy	stem						
MUST	number zer 1. The set 2. The val	ing informa o and disre ting of the ue of the I	tion shall l garded if tl LSP Databa S Type field option fie	he LSP numbe se Overload d	er is non-ze						
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested			
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu			
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass			
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD			
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass			
ANVL-ISIS-	ISO/IEC 10589	:1992(E) S7.3 P1	9 Update proces	s							
18.2 MUST		process is	responsible n reliably								
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested			
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu			
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass			
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD			
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass			





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	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0		
ANVL-ISIS- 18.3	ISO/IEC 10589:	:1992(E) S7.3.2 F	P19-20 Generation	n of local link sta	te "					
MUST	under the :	process is following c	ircumstance e subnetwor	e for genera s: k dependent						
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested		
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu		
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass		
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD		
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass		
ANVL-ISIS-	ISO/IEC 10589:	:1992(E) S7.3.8 F	P22 Generation o	f level 1 pseudon	ode LSPs					
18.4 MUST		ddresses op		ot be presen lf of pseudo		IS generates	5			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested		
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu		
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass		
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD		
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass		
ANVL-ISIS- 18.5	ISO/IEC 10589:1992(E) S7.3.15.1 P24-25 Action on receipt of Link state PDU									
MUST	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									
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested		
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu		
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass		
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD		
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass		
ANVL-ISIS-	ISO/IEC 10589:	:1992(E) s7.3.14.	1 p23 Propagation	on of LSPs						
18.6 MUST	Propagation Duplicate	n of LSPs PDUs are de	tected and	dropped						
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested		
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu		
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass		
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD		
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass		





	Release	Release	Release	Release	Release	Release	Master	Release
	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0
ANVL-ISIS-	ISO/IEC 10589	:1992(E) s7.3.14.	2 p24 Propagation	on ofLSPs				
18.7 MUST		n of LSPs nk State PD ne Level 1		propagated	on circuits	s, which hav	<i>r</i> e	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS- 18.8	ISO/IEC 10589	:1992(E), s7.3.14	.2, p24, Propaga	tion of LSPs				
MUST		n of LSPs gating a L1 o the multi				ne IS shall		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS- 18.9	ISO/IEC 10589	:1992(E) s7.3.14.	2 p24 Propagation	on of LSPs				
MUST	one stored	n of LSPs termediate in the dat the link f	abase, the	stored link	state PDU r	needs to		
	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: FAIL	10.3: FAIL	unpredict	unpredict	unpredict	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass
ANVL-ISIS- 18.10	ISO/IEC 10589	:1992(E) S7.3.16	.3 P29 Remainin	g Lifetime Field				
MUST	Lifetime t	n of LSPs ource gener o MaxAge. B hall decrem	efore trans	mitting a l	ink state PI			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass





	Release	Release	Release	Release	Release	Release	Master	Release	
	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0	
ANVL-ISIS-	RFC 1195 S3.1	P15 Exchange o	of routing informa	tion					
18.12 MUST				t IP addres: a	s are reacha	able from			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested	
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD	
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass	
ANVL-ISIS- 18.13	RFC 1195 S3.7	P24 IP-Only Op	eration						
MUST	omitted for - The End	e VARIABLE : r IP only r	outers hbours entr	ds from IS-: ies are omit are omitted	-	cet must be			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested	
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD	
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass	
ANVL-ISIS- 19.1	ISO/IEC 10589	:1992(E) S7.2.5 F	P14 Multiple LSP	s for the same sy	stem				
MUST	The follow number zero. The set 2. The val	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							
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested	
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD	
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass	
ANVL-ISIS-	ISO/IEC 10589	:1992(E) S7.3 P1	9 Update proces	s					
19.2 MUST	The update		responsible	nformation e for genera throughout					
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested	
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD	
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass	





	Release 2.0.2	Release 3.0.2	Release 3.0.3	Release 4.0	Release 5.0.1	Release 6.0	Master 2019-02-24	Release 7.0				
ANVL-ISIS- 19.3	ISO/IEC 10589: information	:1992(E) S7.3.2 F	P19-20 Generation	on of local link sta	te "							
MUST	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											
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: untested				
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu				
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass				
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD				
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass				
ANVL-ISIS-	ISO/IEC 10589:	:1992(E) S7.3.8 F	P22 Generation o	f level 2 pseudon	ode LSPs	•						
19.4 MUST	The Area A	ISO/IEC 10589:1992(E) S7.3.8 P22 Generation of level 2 pseudonode LSPs 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										
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:				
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested				
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu				
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass				
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD				
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass				
ANVL-ISIS- 19.5	ISO/IEC 10589: PDU	:1992(E) S7.3.15	P24-25 Action o	n receipt of Link s	state							
MUST	If this is equal to the	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										
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:				
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested				
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu				
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass				
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD				
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass				
ANVL-ISIS-	ISO/IEC 10589:	:1992(E) s7.3.14.	1 p23 Propagation	on of LSPs								
19.6 MUST		of Local L PDUs are de										
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:				
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested				
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu				
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass				
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD				
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass				





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	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0			
ANVL-ISIS-	ISO/IEC 10589	:1992(E) s7.3.14.	2 p24 Propagation	on ofLSPs							
19.7 MUST	Generation of Local Link State Information Level 2 Link State PDUs shall be propagated on circuits, which have at least one Level 2 adjacency										
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested			
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu			
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass			
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD			
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass			
ANVL-ISIS-	ISO/IEC 10589	:1992(E), s7.3.14	.2, p24, Propaga	tion of LSPs							
19.8 MUST	When propa	of Local L gating a L2 o the multi	LSP on a b	roadcast sul		ne IS shall					
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested			
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu			
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass			
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD			
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass			
ANVL-ISIS-	ISO/IEC 10589	:1992(E) s7.3.14.	2 p24 Propagation	on of LSPs							
19.9 MUST	Generation of Local Link State Information When an Intermediate System receives a LSP older than the one stored in the database, the stored link state PDU needs to be sent on the link form which the older one was received										
	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:			
	10.3: FAIL	10.3: FAIL	unpredict	unpredict	10.3: pass	10.3: pass	untested	untested			
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu			
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass			
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD			
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass			
ANVL-ISIS- 19.10	ISO/IEC 10589 PDU	:1992(E) s7.3.15.	1 p24 Action on I	receipt of a link s	tate						
MUST	If the ID	of Local L Length of t gDomainISLe	he PDU is no	ot equal to		of the					
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested			
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu			
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass			
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD			
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass			





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	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0			
ANVL-ISIS-	ISO/IEC 10589	:1992(E) S7.3.16	.3 P29 Remainin	g Lifetime Field							
19.11 MUST	Generation of Local Link State Information When the source generates a link state PDU, it shall set the Remaining Lifetime to MaxAge. Before transmitting a link state PDU to a neighbour, a system shall decrement the Remaining Lifetime										
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested			
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu			
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass			
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD			
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass			
ANVL-ISIS- 19.13	RFC 1195 S3.2	P17 Exchange o	of routing informa	tion							
MUST	Level 2 ro	of Local L uters need 2 router i	to know wha	t IP addres	s are reacha	able from					
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested			
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu			
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass			
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD			
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass			
ANVL-ISIS- 19.14	RFC 1195 S3.7	P25 IP-Only Op	eration								
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										
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested			
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu			
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass			
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD			
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass			
ANVL-ISIS-	ISO/IEC 10589	:1992(E) s7.3.16.	1 p28 sequence	numbers							
20.1 MUST	When a sys	P Sequence i tem initial its own Li	izes, it sh		ith sequence	e number					
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:			
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	untested	untested			
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu			
	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL			
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD			
	untested	untested	untested	untested	untested	untested	12.0: FAIL	12.0: FAIL			





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	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0				
ANVL-ISIS-	ISO/IEC 10589	:1992(E) s7.3.16.	1 p28 sequence	numbers			-					
SHOULD	Level 1 LSP Sequence Numbers The sequence number of any actually generated Link State PDU should not be zero											
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:				
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested				
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu				
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass				
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD				
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass				
ANVL-ISIS-	ISO/IEC 10589	:1992(E) s7.3.16.	1 p29 sequence	numbers								
20.3 MUST				on the sequ	uence numbei	received t	Erom					
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:				
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested				
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu				
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass				
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD				
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass				
ANVL-ISIS-	ISO/IEC 10589	SO/IEC 10589:1992(E) s7.3.16.2 p29 LSP confusion										
20.4 MUST	Level 1 LSP Sequence Numbers If the sequence numbers match, but checksums do not and the LSP is not generated by the local system, then store the LSP with zero Remaining Lifetime, and flood the LSP											
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD	FreeBSD 10.3:	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:				
	unpredict	unpredict	10.3: FAIL	unpredict	10.3: pass	10.3: pass	untested	untested				
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu				
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass				
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD				
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass				
ANVL-ISIS-	ISO/IEC 10589	:1992(E) s7.3.16.	1 p28 sequence	numbers								
21.1 MUST	When a sys	P Sequence i tem initial its own Li	izes, it sh	all start w: Us	ith sequence	e number						
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:				
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	untested	untested				
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu				
	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL				
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD				
	untested	untested	untested	untested	untested	untested	12.0: FAIL	12.0: FAIL				





	Release	Release	Release	Release	Release	Release	Master	Release				
	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0				
ANVL-ISIS-	ISO/IEC 10589	:1992(E) s7.3.16.	1 p29 sequence	numbers								
SHOULD	Level 2 LSP Sequence Numbers The sequence number of any actually generated Link State PDU should not be zero:											
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:				
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested				
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu				
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass				
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD				
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass				
ANVL-ISIS-	ISO/IEC 10589	:1992(E) s7.3.16.	1 p29 sequence	numbers								
21.3 MUST				on the sequ	uence numbei	r received f	Ērom					
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:				
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested				
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu				
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass				
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD				
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass				
ANVL-ISIS- 21.4	ISO/IEC 10589	SO/IEC 10589:1992(E) s7.3.16.2 p29 LSP confusion										
MUST	Level 2 LSP Sequence Numbers If the sequence numbers match, but checksums do not and the LSP is not generated by the local system, then store the LSP with zero Remaining Lifetime, and flood the LSP											
	FreeBSD	FreeBSD 10.3:	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	10.3: FAIL	unpredict	10.3: FAIL	10.3: FAIL	10.3: pass	unpredict	untested	untested				
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu				
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass				
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD				
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass				
ANVL-ISIS- 24.1	ISO/IEC 10589	:1992(E) s7.3.19.	1 p31 Entering th	ne waiting state								
MUST				e LSP shall	be ignored	and waiting	J					
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:				
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested				
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu				
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: FAIL	16.04: FAIL				
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD				
	untested	untested	untested	untested	untested	untested	unpredict	12.0: pass				





	Release	Release	Release	Release	Release	Release	Master	Release				
	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0				
ANVL-ISIS-	ISO/IEC 10589	:1992(E) s7.3.19.	1 p31 Entering th	ne waiting state								
24.2 MUST	Waiting State When an LSP cannot be stored, the LSP shall be ignored and waiting State will be entered											
	FreeBSD	FreeBSD 10.3:	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	10.3: FAIL	unpredict	10.3: FAIL	10.3: FAIL	10.3: pass	unpredict	untested	untested				
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu				
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass				
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD				
	untested	untested	untested	untested	untested	untested	unpredict	12.0: pass				
ANVL-ISIS- 25.2	RFC3719 Secti	on 2.1 Page 3 " N	/laxAge"									
SHOULD	MaxAge SHO	- RFC 3719 ULD exceed of fy the Rema				cleast 300 s	seconds					
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:				
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested				
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu				
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: FAIL	16.04: FAIL				
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD				
	untested	untested	untested	untested	untested	untested	12.0: FAIL	12.0: FAIL				
ANVL-ISIS- 25.3	RFC3719 Secti	RFC3719 Section 2.2 Page 4 " ISISHoldingMultiplier"										
MAY	ISISUpdate - RFC 3719 An implementation MAY allow ISISHoldingMultiplier to be configurable.											
	FreeBSD	FreeBSD 10.3:	FreeBSD	FreeBSD 10.3:	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD 10.3:				
	10.3: FAIL	unpredict	10.3: FAIL	unpredict	10.3: pass	unpredict	untested	untested				
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu 16.04:	Ubuntu	Ubuntu				
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	unpredict	16.04: pass	16.04: pass				
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD				
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass				
ANVL-ISIS-	RFC3719 Secti	on 3.1 Page 4 " II	D Length"									
25.4 MUST		- RFC 3719 ntation MUS	T use an ID	Length of	5.							
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:				
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested				
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu				
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass				
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD				
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass				





	Release	Release	Release	Release	Release	Release	Master	Release			
	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0			
ANVL-ISIS-	RFC3719 Secti	on 3.1 Page 4 " II	D Length"								
25.5 MUST	ISISUpdate - RFC 3719 If a router encounters a PDU with an ID Length different from 0 or 6, section 7.3.15.a.2 dictates that it MUST discard the PDU										
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested			
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu			
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass			
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD			
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass			
ANVL-ISIS-	RFC3719 Secti	on 3.2 Page 5 "m	aximumAreaAdd	resses"							
25.6 SHOULD		- RFC 3719 ntation SHO	ULD use the	value 3.							
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:			
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	untested	untested			
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu			
	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL			
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD			
	untested	untested	untested	untested	untested	untested	12.0: FAIL	12.0: FAIL			
ANVL-ISIS-	RFC3719 Secti	on 3.2 Page 5 " n	naximumAreaAdd	dresses"							
25.7 MUST	If a route	- RFC 3719 r receives s scard the P	a PDU with m	maximumArea ribed in sec	Addresses th	nat is not (5.a.3	or 3,				
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested			
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu			
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass			
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD			
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass			
ANVL-ISIS-	RFC3719 Secti	on 3.3 Page 5 " F	Protocol Version"								
25.8 MUST	If a route drop the p			a value othe	er than 1 fo	or either f	ield, it MUS	ST			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested			
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu			
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass			
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD			
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass			





	Release	Release	Release	Release	Release	Release	Master	Release	
	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0	
ANVL-ISIS-	RFC3719 Section	on 3.3 Page 5 " F	Protocol Version"						
25.9 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								
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested	
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD	
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass	
ANVL-ISIS- 25.23	RFC3719 Section	on 11 Page 11 "[Ooppelganger LS	Ps"					
MUST	A complete LSPID range (i.e., the	es cover th re is no po	Ps is a set e complete p ssible LSPII ne of the C	possible ran D value whic	nge of LSPII ch does not	Os.			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested	
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD	
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass	
ANVL-ISIS- 26.2	RFC3719 Section	on 2.1 Page 3 " N	/laxAge"						
SHOULD	MaxAge SHO		Part 2 maximumLSPG@ iningLifeTi			cleast 300 ຄ	seconds		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	untested	untested	
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	
	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD	
	untested	untested	untested	untested	untested	untested	12.0: FAIL	12.0: FAIL	
ANVL-ISIS- 26.3	RFC3719 Section	on 2.2 Page 4 " I	SISHoldingMultip	lier"					
MAY		- RFC 3719 ntation MAY	Part 2 allow ISIS	HoldingMult:	iplier to be	e configural	ole.		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:	
	10.3: pass	10.3: pass	10.3: pass	unpredict	10.3: pass	10.3: pass	untested	untested	
	Ubuntu	Ubuntu	Ubuntu	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu	Ubuntu	
	16.04: pass	16.04: pass	16.04: pass	unpredict	unpredict	unpredict	16.04: pass	16.04: pass	
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD	
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass	





	Release 2.0.2	Release 3.0.2	Release 3.0.3	Release 4.0	Release 5.0.1	Release 6.0	Master 2019-02-24	Release 7.0				
ANVL-ISIS-	RFC3719 Secti	on 3.1 Page 4 " II	D Length"									
26.4 MUST	-	ISISUpdate - RFC 3719 Part 2 An implementation MUST use an ID Length of 6.										
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: untested				
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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 12.0: untested	FreeBSD 12.0: untested	FreeBSD 12.0: untested	FreeBSD 12.0: untested	FreeBSD 12.0: untested	FreeBSD 12.0: untested	FreeBSD 12.0: pass	FreeBSD 12.0: pass				
ANVL-ISIS- 26.5	RFC3719 Secti	on 3.1 Page 4 " II	D Length"									
MUST	If a route	- RFC 3719 r encounter 3.15.a.2 di	s a PDU wit				r 6,					
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: untested	FreeBSD 10.3: untested				
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	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 12.0: untested	FreeBSD 12.0: untested	FreeBSD 12.0: untested	FreeBSD 12.0: untested	FreeBSD 12.0: untested	FreeBSD 12.0: untested	FreeBSD 12.0: pass	FreeBSD 12.0: pass				
		RFC3719 Section 3.3 Page 5 " Protocol Version"										
ANVL-ISIS-	RFC3719 Secti	on 3.3 Page 5 " F	Protocol Version"									
ANVL-ISIS- 26.8 MUST	ISISUpdate If a route drop the p	- RFC 3719	Part 2 a PDU with a	a value oth	er than 1 fo	or either f:	ield, it MUS	ST				
26.8	ISISUpdate If a route drop the p	- RFC 3719 r receives acket.	Part 2 a PDU with a	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	ield, it MUS FreeBSD 10.3: untested	FreeBSD 10.3: untested				
26.8	ISISUpdate If a route drop the p Note: Veri	- RFC 3719 r receives acket. fy the Vers	Part 2 a PDU with a ion field FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:				
26.8	ISISUpdate If a route drop the p Note: Veri FreeBSD 10.3: pass	- RFC 3719 r receives acket. fy the Vers FreeBSD 10.3: pass	Part 2 a PDU with a ion field FreeBSD 10.3: pass	FreeBSD 10.3: pass Ubuntu	FreeBSD 10.3: pass Ubuntu	FreeBSD 10.3: pass Ubuntu	FreeBSD 10.3: untested	FreeBSD 10.3: untested				
26.8 MUST ANVL-ISIS-	ISISUpdate If a route drop the p Note: Veri FreeBSD 10.3: pass Ubuntu 16.04: pass FreeBSD 12.0: untested	- RFC 3719 r receives acket. fy the Vers FreeBSD 10.3: pass Ubuntu 16.04: pass	Part 2 a PDU with a ion field FreeBSD 10.3: pass Ubuntu 16.04: pass FreeBSD 12.0: untested	FreeBSD 10.3: pass Ubuntu 16.04: pass FreeBSD 12.0:	FreeBSD 10.3: pass Ubuntu 16.04: pass FreeBSD 12.0:	FreeBSD 10.3: pass Ubuntu 16.04: pass FreeBSD 12.0:	FreeBSD 10.3: untested Ubuntu 16.04: pass FreeBSD	FreeBSD 10.3: untested Ubuntu 16.04: pass FreeBSD				
26.8 MUST	ISISUpdate If a route drop the p Note: Veri FreeBSD 10.3: pass Ubuntu 16.04: pass FreeBSD 12.0: untested RFC3719 Secti ISISUpdate If a route drop the p	- RFC 3719 r receives acket. fy the Vers FreeBSD 10.3: pass Ubuntu 16.04: pass FreeBSD 12.0: untested on 3.3 Page 5 " F - RFC 3719 r receives	Part 2 a PDU with a point of the part 2 a PDU with a pass It ion field FreeBSD 10.3: pass Ubuntu 16.04: pass FreeBSD 12.0: untested Protocol Version Part 2 a PDU with a pass	FreeBSD 10.3: pass Ubuntu 16.04: pass FreeBSD 12.0: untested	FreeBSD 10.3: pass Ubuntu 16.04: pass FreeBSD 12.0: untested	FreeBSD 10.3: pass Ubuntu 16.04: pass FreeBSD 12.0: untested	FreeBSD 10.3: untested Ubuntu 16.04: pass FreeBSD	FreeBSD 10.3: untested Ubuntu 16.04: pass FreeBSD 12.0: pass				
ANVL-ISIS-26.9	ISISUpdate If a route drop the p Note: Veri FreeBSD 10.3: pass Ubuntu 16.04: pass FreeBSD 12.0: untested RFC3719 Secti ISISUpdate If a route drop the p	- RFC 3719 r receives acket. fy the Vers FreeBSD 10.3: pass Ubuntu 16.04: pass FreeBSD 12.0: untested on 3.3 Page 5 " F - RFC 3719 r receives acket.	Part 2 a PDU with a point of the part 2 a PDU with a pass It ion field FreeBSD 10.3: pass Ubuntu 16.04: pass FreeBSD 12.0: untested Protocol Version Part 2 a PDU with a pass	FreeBSD 10.3: pass Ubuntu 16.04: pass FreeBSD 12.0: untested	FreeBSD 10.3: pass Ubuntu 16.04: pass FreeBSD 12.0: untested	FreeBSD 10.3: pass Ubuntu 16.04: pass FreeBSD 12.0: untested	FreeBSD 10.3: untested Ubuntu 16.04: pass FreeBSD 12.0: pass	FreeBSD 10.3: untested Ubuntu 16.04: pass FreeBSD 12.0: pass				
ANVL-ISIS-26.9	ISISUpdate If a route drop the p Note: Veri FreeBSD 10.3: pass Ubuntu 16.04: pass FreeBSD 12.0: untested RFC3719 Secti ISISUpdate If a route drop the p Note: Veri	- RFC 3719 r receives acket. fy the Vers FreeBSD 10.3: pass Ubuntu 16.04: pass FreeBSD 12.0: untested on 3.3 Page 5 " F - RFC 3719 r receives acket. fy the Vers	Part 2 a PDU with a point of the point of the pass Ubuntu 16.04: pass FreeBSD 12.0: untested Protocol Version Part 2 a PDU with a point of the pass The pass of the pass	FreeBSD 10.3: pass Ubuntu 16.04: pass FreeBSD 12.0: untested a value other I ID field FreeBSD	FreeBSD 10.3: pass Ubuntu 16.04: pass FreeBSD 12.0: untested	FreeBSD 10.3: pass Ubuntu 16.04: pass FreeBSD 12.0: untested or either f:	FreeBSD 10.3: untested Ubuntu 16.04: pass FreeBSD 12.0: pass ield, it MUS	FreeBSD 10.3: untested Ubuntu 16.04: pass FreeBSD 12.0: pass				





	Release	Release	Release	Release	Release	Release	Master	Release		
	2.0.2	3.0.2	3.0.3	4.0	5.0.1	6.0	2019-02-24	7.0		
ANVL-ISIS-	RFC3719 Secti	RFC3719 Section 11 Page 11 "Doppelganger LSPs"								
26.23 MUST	A complete LSPID rang (i.e., the	es cover th re is no po	Ps is a set e complete p ssible LSPII	whose Start possible ran D value which SNPs in the	nge of LSPII ch does not	Os.				
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD 10.3:		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	untested	untested		
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu		
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass		
	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD 12.0:	FreeBSD	FreeBSD		
	untested	untested	untested	untested	untested	untested	12.0: pass	12.0: pass		