

	Master 2017-01-16	Master 2017-01-16	Stable 2.0-rc1	Stable 2.0-rc1	Stable 2.0-rc2	Stable 2.0-rc2	Master 2017-02-24	Master 2017-02-24	Master 2017-03-07	Master 2017-03-07	Release 2.0	Release 2.0
	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3
Туре	FRR	FRR	FRR	FRR	FRR	FRR	FRR	FRR	FRR	FRR	FRR	FRR
Commit ID	ab0c954	ab0c954	16e3267	16e3267	5753eb9	5753eb9	821cf0d	821cf0d	1a664f5	1a664f5	3e71b5d	3e71b5d
Commit Date	2017-01-16	2017-01-16	2017-01-19	2017-01-19	2017-02-23	2017-02-23	2017-02-24	2017-02-24	2017-03-07	2017-03-07	2017-04-02	2017-04-02
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
1.1	ANVL, setup ve	erification										
MUST	-	fication te unsolicited		ponse.								
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
1.2	ANVL, setup ve	erification										
MUST		fication te ess respond		st Request	. Message	at UDP Por	t 521.					
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
1.3	ANVL, setup ve	erification			-				-	-		
MUST	Once the e	fication te ntry has be f the netwo	en validat				ng					
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
1.4	ANVL, setup ve	erification				•						•
MUST	-	fication te ds the pack		ng to rout	ing table	entry.						
ANVL- RIPNG-	pass	pass	pass	pass	untested	untested	untested	untested	untested	untested	untested	untested
1.5	ANVL, Setup ve	erification										
MUST	-	fication te he metric f		is change	ed, an upd	ate is tri	ggered.					



	Master 2017-01-16 Ubuntu 16.04	Master 2017-01-16 FreeBSD 10.3	Stable 2.0-rc1 FreeBSD 10.3	Stable 2.0-rc1 Ubuntu 16.04	Stable 2.0-rc2 Ubuntu 16.04	Stable 2.0-rc2 FreeBSD 10.3	Master 2017-02-24 Ubuntu 16.04	Master 2017-02-24 FreeBSD 10.3	Master 2017-03-07 FreeBSD 10.3	Master 2017-03-07 Ubuntu 16.04	Release 2.0 Ubuntu 16.04	Release 2.0 FreeBSD 10.3		
ANVL- RIPNG-	pass	FAIL	FAIL	pass	pass	FAIL	pass	FAIL	FAIL	pass	pass	FAIL		
1.6	ANVL, setup ve	erification												
MUST	When the n	fication te umber of RT the RTEs a	Es do not				Update							
ANVL-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
RIPNG- 2.1 MUST		RFC 2080 s2 p4 Protocol Specification RFC 2080 s2.1 p7 Message Format												
	RIPng Message Format The RIPng metric of a network is an integer between 1 and 15, inclusive, specifying the current metric for the destination; or the value 16 (infinity), which indicates that the destination is not reachable.													
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
2.2	RFC 2080 s2.1	p5 Message For	mat											
MUST	Each route datagrams Unsolicite	age Format r that uses on UDP port d routing u n port equa	number 52 pdate mess	1, the RII ages have	ong port. both the									
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
2.3	RFC 2080 s2.1	p5 Message For	mat											
MUST	Each route	age Format r that uses on UDP port				that recei	ves							



	Master 2017-01-16	Master 2017-01-16	Stable 2.0-rc1	Stable 2.0-rc1	Stable 2.0-rc2	Stable 2.0-rc2	Master 2017-02-24	Master 2017-02-24	Master 2017-03-07	Master 2017-03-07	Release 2.0	Release 2.0	
	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3	
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
2.4	RFC 2080 s2.1	p5 Message For	mat										
MUST	Those sent	age Format in respons request cam		uest are s	sent to the	e port fro	m						
ANVL- RIPNG-	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	
3.1	RFC 2080 s2.1	.1 p7 Next Hop											
MUST	RIPng Next Hop The route tag and prefix length in the next hop RTE must be set to zero on sending.												
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
3.2	NEGATIVE RFC 2080 s2.1	.1 p7 Next Hop											
MUST	(Note : Pr	Hop tag in the : efix Length t ignore th	is set to	zero but									
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
3.3	NEGATIVE RFC 2080 s2.1	.1 p7 Next Hop											
MUST	(Note : Pr	Hop length in efix Length t ignore th	is set to	non-zero									



	Master 2017-01-16 Ubuntu 16.04	Master 2017-01-16 FreeBSD 10.3	Stable 2.0-rc1 FreeBSD 10.3	Stable 2.0-rc1 Ubuntu 16.04	Stable 2.0-rc2 Ubuntu 16.04	Stable 2.0-rc2 FreeBSD 10.3	Master 2017-02-24 Ubuntu 16.04	Master 2017-02-24 FreeBSD 10.3	Master 2017-03-07 FreeBSD 10.3	Master 2017-03-07 Ubuntu 16.04	Release 2.0 Ubuntu 16.04	Release 2.0 FreeBSD 10.3	
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
3.4	RFC 2080 s2.1	.1 p8 Next Hop											
SHOULD	next hop R	Hop a value of TE indicate of the RIP	s that the	next hop									
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
3.5	RFC 2080 s2.1.1 p8 Next Hop												
MUST	RIPng Next Hop An address specified as a next hop must be a link-local address. If the received next hop address is not a link-local address, it should be treated as 0:0:0:0:0:0:0:0												
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
4.1	RFC 2080 s2.2	p8 Addressing C	Considerations										
SHOULD	In general	essing Cons , the syste which rout ies.	m administ	rator will									
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
5.1	RFC 2080 s2.3	p9 Timers											
MUST	unsolicite - The 30-s to 15 seco	rs econds, the d Response econd timer nds) each t * the updat	message. is offset ime it is	by a smal set. The	l random	time (+/-	0						



	Master 2017-01-16 Ubuntu 16.04	Master 2017-01-16 FreeBSD 10.3	Stable 2.0-rc1 FreeBSD 10.3	Stable 2.0-rc1 Ubuntu 16.04	Stable 2.0-rc2 Ubuntu 16.04	Stable 2.0-rc2 FreeBSD 10.3	Master 2017-02-24 Ubuntu 16.04	Master 2017-02-24 FreeBSD 10.3	Master 2017-03-07 FreeBSD 10.3	Master 2017-03-07 Ubuntu 16.04	Release 2.0 Ubuntu 16.04	Release 2.0 FreeBSD 10.3	
ANVL-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
RIPNG- 5.2	RFC 2080 s2.3	p9 Timers											
MUST		rs onds elapse d, the rout											
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
5.3	RFC 2080 s2.3 p9 Timers												
MUST	RIPng Timers Deletions can occur for one of two reasons: - the timeout expires. (Note: The received RIPng Update from DUT can be a triggered update or a regular update that will have the metric field for the RTE set to 16 (infinity))												
ANVL- RIPNG-	pass	pass	pass	pass	untested	untested	untested	untested	untested	untested	untested	untested	
5.4	RFC 2080 s2.3 RFC 2080 s2.4	p9 Timers .2 p13 Response	Messages										
MUST	- the metr	can occur f ic is set t	o 16 becau	se of an u	ipdate rec	eived from	the						
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
5.5	RFC 2080 s2.3	p10 Timers											
MUST		rs garbage-col ates sent b			es, the ro	ute is inc	luded						



	Master 2017-01-16 Ubuntu 16.04	Master 2017-01-16 FreeBSD 10.3	Stable 2.0-rc1 FreeBSD 10.3	Stable 2.0-rc1 Ubuntu 16.04	Stable 2.0-rc2 Ubuntu 16.04	Stable 2.0-rc2 FreeBSD 10.3	Master 2017-02-24 Ubuntu 16.04	Master 2017-02-24 FreeBSD 10.3	Master 2017-03-07 FreeBSD 10.3	Master 2017-03-07 Ubuntu 16.04	Release 2.0 Ubuntu 16.04	Release 2.0 FreeBSD 10.3	
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
5.6	RFC 2080 s2.3	p10 Timers											
MUST		rs arbage-coll outing tabl		er expires	s, the rou	te is dele	ted						
ANVL- RIPNG-	pass	FAIL	FAIL	pass	pass	FAIL	pass	FAIL	FAIL	pass	pass	FAIL	
6.1	RFC 2080 s2.4	RFC 2080 s2.4.1 p10 Request Messages											
SHOULD	RIPng Request Messages Normally, Requests are sent as multicasts, from the RIPng port, by routers which have just come up and are seeking to fill in their routing tables as quickly as possible.												
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
6.4		.1 p10 Request N .2 p15 Generatin		essages									
MUST	However, to the router with a glo	est Message here may be responds d bally valid the directl	situation irectly to source ad	the reque dress sind	stor"s ad	dress and	port						
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
6.5	RFC 2080 s2.4	.1 p11 Request N	/lessages										
MUST		est Message re no entri		ponse is g	given.								
ANVL- RIPNG-	pass	pass	pass	pass	untested	untested	untested	untested	untested	untested	untested	untested	
6.6	RFC 2080 s2.4	.1 p11 Request N	Messages										
MUST	For each e database a	est Message ntry, look nd, if ther field of t	up the des e is a rou										



	Master 2017-01-16	Master 2017-01-16	Stable 2.0-rc1	Stable 2.0-rc1	Stable 2.0-rc2	Stable 2.0-rc2	Master 2017-02-24	Master 2017-02-24	Master 2017-03-07	Master 2017-03-07	Release 2.0	Release 2.0	
	 Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	 Ubuntu 16.04	 Ubuntu 16.04	FreeBSD 10.3	 Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	 Ubuntu 16.04	 Ubuntu 16.04	FreeBSD 10.3	
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
6.7	RFC 2080 s2.4	.1 p11 Request N	Messages										
MUST	If there i	est Message s no explic n the metri	it route t	o the spec	cified des	tination,	put						
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
6.8	RFC 2080 s2.4	.1 p11 Request N	/lessages										
MUST	If the req	est Message west is for ble and the ocessing is	specific informati										
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
7.1	RFC 2080 s2.4	.2 p11 Response	Messages										
MUST		onse Messag se must be		it is not	from the	RIPng por	t.						
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
7.2	RFC 2080 s2.4	.2 p11 Response	Messages										
MUST	The Respon	onse Messag se must be e we are te RIPng Port	ignored if sting that										
ANVL-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
RIPNG- 7.3	RFC 2080 s2.4.2 p11 Response Messages RFC 2080 s2.5.2 p15 Generating Response Messages												
MUST	The datagr	onse Messag am"s IPv6 s e datagram ust be a li	ource addr is from a	valid neig			the						



	Master 2017-01-16 Ubuntu 16.04	Master 2017-01-16 FreeBSD 10.3	Stable 2.0-rc1 FreeBSD 10.3	Stable 2.0-rc1 Ubuntu 16.04	Stable 2.0-rc2 Ubuntu 16.04	Stable 2.0-rc2 FreeBSD 10.3	Master 2017-02-24 Ubuntu 16.04	Master 2017-02-24 FreeBSD 10.3	Master 2017-03-07 FreeBSD 10.3	Master 2017-03-07 Ubuntu 16.04	Release 2.0 Ubuntu 16.04	Release 2.0 FreeBSD 10.3	
ANVL-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
RIPNG- 7.4 MUST		.2 p11 Response .2 p15 Generatin		essages									
	The datagr	onse Messag am"s IPv6 s e datagram ust be a li	ource addr is from a	valid neig			the						
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
7.5	NEGATIVE RFC 2080 s2.4.2 p11 Response Messages												
MUST	It is also one of the If a route	onse Messag worth chec router"s o r processes d such data	king to se wn address its own o	es. utput as r	new input,								
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
7.6	RFC 2080 s2.4	.2 p12 Response	Messages	-		-	-						
MUST	As an addi hop counts the RIPng	onse Messag tional chec set to 255 port (i.e. t the hop c	k, periodi , and inbo periodic a	und, multi dvertiseme	.cast pack	ets sent f	rom						
ANVL- RIPNG-	pass	pass	pass	pass	untested	untested	untested	untested	untested	untested	untested	untested	
7.7	RFC 2080 s2.4	.2 p12 Response	Messages										
MUST	As an addi hop counts the RIPng	onse Messag tional chec set to 255 port (i.e. that the ho	k, periodi , and inbo triggered	und, multi update pac	.cast pack	ets sent f	rom						



	Master 2017-01-16 Ubuntu 16.04	Master 2017-01-16 FreeBSD 10.3	Stable 2.0-rc1 FreeBSD 10.3	Stable 2.0-rc1 Ubuntu 16.04	Stable 2.0-rc2 Ubuntu 16.04	Stable 2.0-rc2 FreeBSD 10.3	Master 2017-02-24 Ubuntu 16.04	Master 2017-02-24 FreeBSD 10.3	Master 2017-03-07 FreeBSD 10.3	Master 2017-03-07 Ubuntu 16.04	Release 2.0 Ubuntu 16.04	Release 2.0 FreeBSD 10.3		
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
7.8	NEGATIVE RFC 2080 s2.4	.2 p12 Response	Messages											
MUST	RIPng Response Messages As an additional check, periodic advertisements must have their hop counts set to 255.													
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
7.9	RFC 2080 s2.4.2 p12 Response Messages													
MUST	RFC 2080 s2.4.2 p12 Response Messages RIPng Response Messages Queries and their responses may still cross intermediate nodes and therefore do not require the hop count test to be done.													
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
7.10	NEGATIVE RFC 2080 s2.4	.2 p12 Response	Messages											
SHOULD	RFC 2080 s2.4.2 p12 Response Messages RIPng Response Messages The basic validation tests of a RTE are: - is the destination prefix valid (e.g., not a multicast prefix and not a link-local address) A link-local address should never be present in an RTE.													
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
7.11	RFC 2080 s2.4	.2 p12 Response	Messages											
MUST		onse Messag ck fails, i		entry and	d proceed	to the nex	t.							



	Master 2017-01-16	Master 2017-01-16	Stable 2.0-rc1	Stable 2.0-rc1	Stable 2.0-rc2	Stable 2.0-rc2	Master 2017-02-24	Master 2017-02-24	Master 2017-03-07	Master 2017-03-07	Release 2.0	Release 2.0	
	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3	
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
7.12	RFC 2080 s2.4	.2 p12 Response	Messages										
MUST	RIPng Response Messages Once the entry has been validated, update the metric by adding the cost of the network on which the message arrived. If the result is greater than infinity, use infinity. That is, metric = MIN (metric + cost, infinity). Dass Dass Dass Dass Dass Dass Dass Das												
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
7.13	RFC 2080 s2.4	.2 p12 Response	Messages			-			-				
MUST	RFC 2080 s2.4.2 p12 Response Messages RIPng Response Messages If there is no such route, add this route to the routing table, unless the metric is infinity (there is no point in adding a route which unusable).												
ANVL-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
RIPNG- 7.14	NEGATIVE RFC 2080 s2.4	.2 p12 Response	Messages										
MUST	RFC 2080 s2.4.2 p12 Response Messages RIPng Response Messages If there is no such route, add this route to the routing table, unless the metric is infinity (there is no point in adding a route which unusable).												
ANVL-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	
RIPNG- 7.15	RFC 2080 s2.4	.2 p13 Response	Messages										
MUST	Adding a r	onse Messag oute to the he output p	routing t										



	Master 2017-01-16	Master 2017-01-16 	Stable 2.0-rc1	Stable 2.0-rc1	Stable 2.0-rc2	Stable 2.0-rc2 	Master 2017-02-24 	Master 2017-02-24 	Master 2017-03-07 	Master 2017-03-07 	Release 2.0	Release 2.0		
	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3		
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
7.16	RFC 2080 s2.4	.2 p13 Response	Messages											
MUST	If there in the addrest datagram i	onse Messag s an existi s of the ro s from the ze the time	ng route, uter from same route	which the	datagram	came. If								
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
7.17	RFC 2080 s2.4.2 p13 Response Messages													
MUST	RIPng Response Messages If the datagram is from the same router as the existing route, and the new metric is different than the old one; - Adopt the route from the datagram. That is, put the new metric in.													
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
7.18	RFC 2080 s2.4	.2 p13 Response	Messages											
MUST	RFC 2080 s2.4.2 p13 Response Messages RIPng Response Messages If the datagram is from the same router as the existing route, and the new metric is different than the old one; or, if the new metric is lower than the old one; do the following actions: - Adopt the route from the datagram. That is, put the new metric in. (Note: Here we send RIPng updates from two different routers)													
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
7.19	RFC 2080 s2.4	.2 p13 Response	Messages											
MUST	If the dat and the ne	onse Messag agram is fr w metric is e route fro s (if neces	om the sam different m the data	than the	old one;									



	Master 2017-01-16 Ubuntu 16.04	Master 2017-01-16 FreeBSD 10.3	Stable 2.0-rc1 FreeBSD 10.3	Stable 2.0-rc1 Ubuntu 16.04	Stable 2.0-rc2 Ubuntu 16.04	Stable 2.0-rc2 FreeBSD 10.3	Master 2017-02-24 Ubuntu 16.04	Master 2017-02-24 FreeBSD 10.3	Master 2017-03-07 FreeBSD 10.3	Master 2017-03-07 Ubuntu 16.04	Release 2.0 Ubuntu 16.04	Release 2.0 FreeBSD 10.3		
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
7.20	RFC 2080 s2.4	.2 p13 Response	Messages											
MUST	If the dat and the ne new metric - Adopt th hop addres	onse Messag agram is fr w metric is is lower t e route fro s (if neces re we send	om the sam different han the ol m the data sary).	than the d one; gram. Tha	old one;	or, if the ust the ne	xt							
ANVL- RIPNG-	pass	pass	pass	pass	untested	untested	untested	untested	untested	untested	untested	untested		
7.21	RFC 2080 s2.4.2 p13 Response Messages													
MUST	RIPng Response Messages Note that the deletion process is started only when the metric is first set to infinity. If the metric was already infinity, then a new deletion process is not started. (Note: We check the RIPng Message triggered by the deletion process)													
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
7.22	RFC 2080 s2.4	.2 p13 Response	Messages											
SHOULD	Therefore, the timeou to the exp	onse Messag if the new t for the e iration poi re we test	metric is xisting ro nt, switch	ute. If i to the ne	t is at lew route.									
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass		
7.23	RFC 2080 s2.4	.2 p13 Response	Messages											
SHOULD	Therefore, the timeou to the exp	onse Messag if the new t for the e iration poi re we test	metric is xisting ro nt, switch	ute. If i	t is at lew route.	east halfw								



	Master	Master	Stable	Stable	Stable	Stable	Master	Master	Master	Master	Release	Release
	2017-01-16	2017-01-16	2.0-rc1 	2.0-rc1 	2.0-rc2 	2.0-rc2 	2017-02-24	2017-02-24	2017-03-07	2017-03-07	2.0	2.0
	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3	Ubuntu 16.04	FreeBSD 10.3	FreeBSD 10.3	Ubuntu 16.04	Ubuntu 16.04	FreeBSD 10.3
ANVL- RIPNG-	unpredict	pass	pass	unpredict	untested							
8.1	RFC 2080 s2.5.1 p14 Triggered Updates											
MUST	RIPng Triggered Updates After a triggered update is sent, a timer should be set for a random interval between 1 and 5 seconds. If other changes that would trigger updates occur before the timer expires, a single update is triggered when the timer expires. (Note: In this test we check that single update is sent for two consecutive unsolicited RIPng responses within the 1 - 5 sec period)											
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
8.2	RFC 2080 s2.5.1 p14 Triggered Updates											
MUST	RIPng Triggered Updates After a triggered update is sent, a timer should be set for a random interval between 1 and 5 seconds. If other changes that would trigger updates occur before the timer expires, a single update is triggered when the timer expires. (Note: In this test we check that the time difference between two successive RIPng triggered updates is within the range of 1 - 5 seconds)											
ANVL- RIPNG-	pass	pass	pass	pass	untested							
8.3	RFC 2080 s2.5.1 p15 Triggered Updates											
MUST	RIPng Triggered Updates In principle, only those routes which have changed need to be included. Therefore messages generated as part of a triggered update must include at least those routes that have their route change flag set.											
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
9.1	RFC 2080 s2.5	.2 p16 Generatin	g Response Me	essages								
MUST	Generating RIPng Response Messages The version described in this document is version 1 and the bytes labeled "must be zero" to zero.											



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ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
9.2	NEGATIVE RFC 2080 s2.5.2 p16 Generating Response Messages											
MUST	Generating RIPng Response Messages The version described in this document is version 1.											
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
9.3	RFC 2080 s2.5.2 p16 Generating Response Messages											
MUST	Generating RIPng Response Messages Routes to link-local addresses must never be included in an RTE.											
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
9.4	RFC 2080 s2.5.2 p16 Generating Response Messages											
MUST	Generating RIPng Response Messages Routes must be included in the datagram even if their metrics are infinite.											
ANVL- RIPNG-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
10.1	RFC 2080 s2.6 p16 Split Horizon											
MUST	Split Horizon The basic split horizon algorithm omits routes learned from one neighbor in updates sent to that neighbor.											
ANVL-	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass
RIPNG- 10.2	RFC 2080 s2.6 p16 Split Horizon											
MUST	Split Horizon Split Horizon with Poisoned Reverse (more simply, Poison Reverse) does include such routes in updates, but sets their metrics to infinity.											