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Туре	FRR	FRR	FRR	FRR	FRR	FRR	FRR	FRR	FRR	FRR
Commit ID	3e71b5d	f633dc2	36a7e78	30283fd	5dff4ec	7a377a1	ed02df4	85f25d8	c8c2427	0558dc6
Commit Date	2017-04-02	2017-10-14	2017-11-08	2017-11-08	2018-01-09	2018-03-12	2018-06-08	2018-07-05	2018-10-08	2018-10-24
ANVL-BGPPLUS-	ANVL, setup ver	ification								
1.1 MUST		Verificatio on TCP port		94 Connection	n					
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass
ANVL-BGPPLUS-	ANVL, setup ver	ification								
1.2 MUST		Verificatio GP4 connecti		JT and trans:	it to Establ	ished state				
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass
ANVL-BGPPLUS-	ANVL, setup ver	ification								
MUST		Verificatio routes cont table		e newly rece	ived Update	Message to				
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass





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ANVL-BGPPLUS- 2.1	RFC4760, Sect. Overview	1: Introduction, p 1	,										
MUST	This docume supports mu	of IPv4 add nt assumes t ltiprotocol 4 address (w attribute).	hat any BGP capabilities	speaker (ind defined in	cluding the this docume	nt) has to							
	Ubuntu 16.04: pass												
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass			
ANVL-BGPPLUS- 3.1		3, p 2, achable NLRI - MF	P_REACH_NLRI (1	Type Code 14)									
MUST	This is an following p (a) to adve (b) to perm the router destination	MP_REACH_NLR optional non urposes: rtise a feas it a router that should s listed in field of th	-transitive ible route t to advertise be used as t the Network	to a peer the Networl the next hop Layer Reach	<pre>c Layer addr to the ability</pre>								
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass			
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass			
ANVL-BGPPLUS- 3.2	RFC 4760, Sect. Multiprotocol Rea Reserved	3, p 3, achable NLRI - MF	P_REACH_NLRI (1	Гуре Code 14)									
MUST	A 1 octet f upon receip	arpose of MP_REACH_NLRI attribute 1 octet field that MUST be set to 0, and SHOULD be ignored bon receipt. bte: Here we check that the Reserved field is set to 0											
	Ubuntu 16.04: pass	Ubuntu											
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass			





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ANVL-BGPPLUS- 3.3	RFC 4760, Sect. Multiprotocol Rea Reserved	3, p 3, achable NLRI - MP	_REACH_NLRI (1	Гуре Code 14)									
MUST	A 1 octet f upon receip	MP_REACH_NLR ield that MU t. we check tha	ST be set to	•	_								
	Ubuntu 16.04: pass												
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass			
ANVL-BGPPLUS- 3.4	RFC 4760, Sect. Multiprotocol Rea	3, p 4, achable NLRI - MP	_REACH_NLRI (1	Гуре Code 14)									
миѕт	An UPDATE m	MP_REACH_NLR essage that the AS_PATH	carries the		RI must also	carry the							
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass			
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass			
ANVL-BGPPLUS- 3.5	RFC 4760, Sect. Multiprotocol Rea	3, p 4, achable NLRI - MP	_REACH_NLRI (1	Type Code 14)									
MUST	An UPDATE m	MP_REACH_NLR essage that the AS_PATH	carries the		RI must also	carry the							
	Ubuntu 16.04: pass												
	FreeBSD 10.3: pass	eeBSD FreeBSD											





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ANVL-BGPPLUS- 3.6	RFC 4760, Sect. Multiprotocol Rea	3, p 4, achable NLRI - MP	_REACH_NLRI (1	Гуре Code 14)									
MUST	Moreover, i	pose of MP_REACH_NLRI attribute eover, in IBGP exchanges such a message must also carry the PAL_PREF attribute.											
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass			
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass			
ANVL-BGPPLUS- 3.7	NEGATIVE RFC 4760, Sect. Multiprotocol Rea	3, p 4, achable NLRI - MP	P_REACH_NLRI (1	Гуре Code 14)									
SHOULD	An UPDATE m the MP_REAC If such a m	rpose of MP_REACH_NLRI attribute UPDATE message that carries no NLRI, other than the one encoded in MP_REACH_NLRI attribute, SHOULD NOT carry the NEXT_HOP attribute. such a message contains the NEXT_HOP attribute, the BGP speaker at receives the message SHOULD ignore this attribute.											
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass			
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass			
ANVL-BGPPLUS- 4.1	RFC 4760, Sect. Multiprotocol Uni	4, p 5, eachable NLRI - N	/IP_UNREACH_N	LRI (Type Code 1	5):								
MUST	An UPDATE m	MP_UNREACH_N essage that y other path	contains the	MP_UNREACH_	_NLRI is not	required							
	Ubuntu 16.04: pass												
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass			





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ANVL-BGPPLUS- 5.1	NEGATIVE RFC 4760, Sect. Error Handling	7, p 8,											
MUST	contains the speaker det delete all is the same MP_UNREACH_(Note: ANVL	a BGP speaker receives from a neighbor an Update message that tains the MP_REACH_NLRI or MP_UNREACH_NLRI attribute, and the aker determines that the attribute is incorrect, the speaker must ete all the BGP routes received from that neighbor whose AFI/SAFI the same as the one carried in the incorrect MP_REACH_NLRI or UNREACH_NLRI attribute. te: ANVL sends two updates, the second update containing REACH_NLRI attribute with incorrect length of nlri set to 129											
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass			
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass			
ANVL-BGPPLUS- 5.2	NEGATIVE RFC 4760, Sect. Error Handling	7, p 8,											
MUST	If a BGP sp contains th speaker det delete all is the same MP_UNREACH_ (Note: ANVL	Fror Handling The a BGP speaker receives from a neighbor an Update message that something the MP_REACH_NLRI or MP_UNREACH_NLRI attribute, and the speaker determines that the attribute is incorrect, the speaker must elete all the BGP routes received from that neighbor whose AFI/SAFI the same as the one carried in the incorrect MP_REACH_NLRI or DUNREACH_NLRI attribute. Tote: ANVL sends two updates, the second update containing D_UNREACH_NLRI attribute with SAFI set to Unicast even when the											
	Ubuntu 16.04: pass												
	FreeBSD 10.3: pass												





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	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24		
ANVL-BGPPLUS- 5.3	NEGATIVE RFC 4760, Sect. Error Handling	7, p 8,										
MAY	Update mess	, the speake age was rece , the UPDATE	ived.			r which the						
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass		
ANVL-BGPPLUS- 5.4	NEGATIVE RFC 4760, Sect. Error Handling	7, p 8,										
MAY	In addition Update mess (Note: Here MP_UNREACH_	cror Handling a addition, the speaker may terminate the BGP session over which the codate message was received. Note: Here, the UPDATE sent by ANVL contains incorrect O_UNREACH_NLRI which causes DUT to close the BGP4 connection with the sending peer)										
	Ubuntu	Ubuntu	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	16.04: FAIL	16.04: FAIL		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD		
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL		





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	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24			
ANVL-BGPPLUS- 5.5 SHOULD	NEGATIVE RFC 4760, Sect. Error Handling RFC 4271, Sect. UPDATE messag	,, ,											
	The session code/subcod Error". The NLRI fiity. If the MUST be set (Note: Here	e NLRI field in the UPDATE message is checked for syntactic valid- 7. If the field is syntactically incorrect, then the Error Subcode 8T be set to Invalid Network Field. 8te: Here we are checking this behavior using incorrect 8EACH_NLRI attribute in the BGP4 UPDATE Message sent by ANVL)											
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			
ANVL-BGPPLUS- 5.6 SHOULD	NEGATIVE RFC 4760, Sect. Error Handling RFC 4271, Sect. UPDATE messag												
	The session code/subcod Error". The NLRI fiity. If the MUST be set (Note: Here	Error Handling The session should be terminated with the Notification message code/subcode indicating "Update Message Error"/"Optional Attribute											
	Ubuntu	Ubuntu	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	16.04: FAIL	16.04: FAIL			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL			





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ANVL-BGPPLUS- 6.1	RFC 4760, Sect. Use of BGP Cap	8, p 8, ability Advertiseme	ent										
SHOULD	A BGP speak Capability	P4 Capability Advertisement BGP speaker that uses Multiprotocol Extensions should use the pability Advertisement procedures [BGP-CAP] to determine whether le speaker could use Multiprotocol Extensions with a particular ler.											
	Ubuntu 16.04: pass												
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass			
ANVL-BGPPLUS- 6.2	RFC 4760, Sect. Use of BGP Cap	8, p 9, ability Advertiseme	ent										
MUST	A speaker t	P4 Capability Advertisement speaker that supports multiple AFI, SAFI> tuples includes them as ltiple Capabilities in the Capabilities Optional Parameter.											
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass			
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass			
ANVL-BGPPLUS- 6.3	RFC 4760, Sect. Use of BGP Cap	8, p 9, ability Advertiseme	ent										
MUST	To have a b particular speaker mus	GP4 Capability Advertisement o have a bi-directional exchange of routing information for a articular AFI, SAFI> between a pair of BGP speakers, each such peaker must advertise to the other (via the Capability Advertisement echanism) the capability to support that particular AFI, SAFI> butes.											
	Ubuntu 16.04: pass												
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass			





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	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24	
ANVL-BGPPLUS- 7.1	NEGATIVE RFC 4760, Sect. IANA Considerat	· • ·									
MUST	IANA Consid SAFI value	erations 0 and 255 ar	e reserved.								
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	
ANVL-BGPPLUS-	RFC 2545, Sect.	2, p 2, IPv6 Addre	ss Scopes								
8.1 MUST	particular between glo	s Scopes ument makes routing real bal and site "non-link-l	m where BGP- -local addre	4 is used,	it makes no	distinction					
	Ubuntu	Ubuntu	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	16.04: FAIL	16.04: FAIL	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	
ANVL-BGPPLUS- 9.1	NEGATIVE RFC 2545, Sect.	3, p 2, Constructin	ng the Next Hop fie	eld							
SHOULD	The value o MP_REACH_NL address is in the Next (Note: In t	Next Hop field The value of the Length of Next Hop Network Address field on a MP_REACH_NLRI attribute shall be set to 16, when only a global address is present, or 32 if a link-local address is also included in the Next Hop field. (Note: In this test we send only a link-local address even when we set the length of NEXT_HOP field to 16)									
	Ubuntu	Ubuntu	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	16.04: FAIL	16.04: FAIL	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	





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ANVL-BGPPLUS- 9.2		3, p 2, Constructir 3, p 3, Constructir											
MUST	MP_REACH_NL address is in the Next advertise t IPv6 addres Address of (Note: Here	e value of the Length of Next Hop Network Address field on a REACH_NLRI attribute shall be set to 16, when only a global dress is present, or 32 if a link-local address is also included the Next Hop field. In all other cases a BGP speaker shall vertise to its peer in the Network Address field only the global vertise to its peer in the Network Address field only the global vertise of the next hop (the value of the Length of Network dress of Next Hop field shall be set to 16). Sete: Here we test that DUT correctly sets the NEXT_HOP field of REACH_NLRI attribute when length is set to 16)											
	Ubuntu 16.04: pass	Ubuntu											
	FreeBSD 10.3: pass	FreeBSD FreeBS											
ANVL-BGPPLUS- 9.3		C 2545, Sect. 2, p 2, IPv6 Address Scopes C 2545, Sect. 3, p 2, Constructing the Next Hop field											
SHOULD	Next Hop fi followed by The value of MP_REACH_NL address is in the Next The link-lo and only if identified of Next Hop (Note: Here address alo	er shall adveld the glob the link-lo f the Length RI attribute present, or	al IPv6 addr cal IPv6 add of Next Hop shall be se 32 if a link shall be inc aker shares l IPv6 addre he peer the that the DUT non-link-loc	ress of the rates	next hop, po next hop. dress field en only a gl ess is also e Next Hop f onet with th in the Netwo ing advertis sends the li	tentially on a obal included ield if e entity rk Address ed to. nk-local							
	Ubuntu 16.04: pass												
	FreeBSD 10.3: pass	reeBSD FreeBSD											





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	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24	
ANVL-BGPPLUS- 9.4	NEGATIVE RFC 2545, Sect.	3, p 2, Constructir	ng the Next Hop fie	eld							
SHOULD	only if the identified of Next Hop (Note: Here ANVL contai a link-loca	eld cal address BGP speaker by the globa field and t , we test th ning an off- l IPv6 Addre erifies FIRS	shares a co l IPv6 addre he peer the at the DUT o net non-link ss of sendin	mmon subnet ss carried route is beloes not accellocal IPv6	with the en in the Netwo ing advertis ept a UPDATE Address fol	tity rk Address ed to. sent by					
	Ubuntu	Ubuntu	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	16.04: FAIL	16.04: pass	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: pass	
ANVL-BGPPLUS- 9.5		3, p 2, Constructir 3, p 3, Constructir									
MAY	The link-lo In all othe Network Add As a conseq internal pe	ext Hop field the link-local address shall be included in the Next Hop field the all other cases a BGP speaker shall advertise to its peer in the the twork Address field only the global IPv6 address of the next hop the a consequence, a BGP speaker that advertises a route to an the sternal peer may modify the Network Address of Next Hop field by the sternal peer may modify the Network Address of Next Hop field by the sternal peer may modify the Network Address of Next Hop field by									
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	





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ANVL-BGPPLUS-	RFC 2545, Sect.	4, p 3 Transport							-				
MUST	TCP connect be establis independent configurati peering ses is taken in IPv6/IPv6 A (Note: This and NEXT_HO	cansport layer independance CP connections, on top of which BGP-4 messages are exchanged, can e established either over IPv4 or IPv6. While BGP-4 itself is independent of the particular transport used it derives implicit configuration information from the address used to establish the evering session. This information (the network address of a peer) is taken in account in the route dissemination procedure. EPv6/IPv6 AFI and Unicast SAFI Note: This test is to verify that DUT correctly specifies the NLRI and NEXT_HOP field types in MP_REACH_NLRI attribute as IPv6 in its EPv4 Update Message over TCP/IPv6 through AFI/SAFI> combination)											
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass			
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass			
ANVL-BGPPLUS-	RFC 2545, Sect.	4, p 3 Transport											
10.2 MUST	TCP connect be establis independent configurati peering ses taken in ac (Note: This	Transport layer independance TCP connections, on top of which BGP-4 messages are exchanged, can be established either over IPv4 or IPv6. While BGP-4 itself is independent of the particular transport used it derives implicit configuration information from the address used to establish the peering session. This information (the network address of a peer) is taken in account in the route dissemination procedure. (Note: This test is to verify that DUT correctly specifies its IPv6 route advertisement capabilities in BGP4 Open Message when runing											
	Ubuntu 16.04: passUbuntu 16.04: pass												
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass			





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24
ANVL-BGPPLUS-	RFC 2545, Sect.	4, p 3 Transport								
10.3 MUST	TCP connect be establis independent configurati peering ses is taken in (Note: This and NEXT_HO	ayer indepen ions, on top hed either o of the part on informati sion. This account in test is to P field type Message ove	of which BG ver IPv4 or icular trans on from the information the route di verify that s in MP_REAG	IPv6. While port used is address used (the networkssemination DUT correct. H_NLRI attr.	BGP-4 itsel derives im d to establi address of procedure. ly specifies ibute as IPv	f is plicit sh the a peer) the NLRI 6 in its				
	Ubuntu	Ubuntu	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	16.04: FAIL	16.04: FAIL
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL
ANVL-BGPPLUS- 10.4	RFC 2545, Sect.	4, p 3 Transport								
MUST	TCP connect be establis independent configurati peering ses is taken in (Note: This	ayer indepen ions, on top hed either o of the part on informati sion. This account in test is to tisement cap TCP/IPv6)	of which BG ver IPv4 or icular trans on from the information the route di verify that	IPv6. While port used it address used (the network ssemination DUT correct)	BGP-4 itsel derives im d to establi address of procedure. ly specifies	f is plicit sh the a peer) its IPv4				
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24
ANVL-BGPPLUS-	RFC 2545, Sect.	4, p 3 Transport								
10.5 MUST	TCP connect be establis independent configurati peering ses is taken in (Note: This and NEXT_HO	ayer indepen ions, on top hed either o of the part on informati sion. This account in test is to P field type Message ove	of which BG ver IPv4 or icular trans on from the information the route di verify that s in MP_REAG	IPv6. While port used it address used (the networkssemination DUT correct: H_NLRI attr:	BGP-4 itsel t derives im d to establi c address of procedure. ly specifies ibute as IPV	f is plicit sh the a peer) the NLRI 4 in its				
	Ubuntu	Ubuntu	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	16.04: FAIL	16.04: FAIL
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL
ANVL-BGPPLUS- 10.6	RFC 2545, Sect.	4, p 3 Transport								
MUST	TCP connect established independent configurati peering ses is taken in (Note: This	ayer indepen ions, on top either over of the part on informati sion. This account in test is to tisement cap TCP/IPv4)	of which BG IPv4 or IPv icular trans on from the information the route di verify that	f6. While BGB sport used it address used (the network ssemination DUT correct	2-4 itself in the derives implied to establicate address of procedure.	plicit sh the a peer) its IPv4				
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master		
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24		
ANVL-BGPPLUS-	RFC 2545, Sect.	4, p 3 Transport										
MUST	TCP connect established independent configurati peering ses is taken in (Note: This and NEXT_HO	cansport layer independance CP connections, on top of which BGP-4 messages are exchanged, can be stablished either over IPv4 or IPv6. While BGP-4 itself is independent of the particular transport used it derives implicit onfiguration information from the address used to establish the ering session. This information (the network address of a peer) is taken in account in the route dissemination procedure. Note: This test is to verify that DUT correctly specifies the NLRI and NEXT_HOP field types in MP_REACH_NLRI attribute as IPv4 in its GP4 Update Message over TCP/IPv4 through AFI/SAFI> combination)										
	Ubuntu	Ubuntu	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	16.04: FAIL	16.04: FAIL		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD		
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL		
ANVL-BGPPLUS- 10.8	RFC 2545, Sect.	4, p 3 Transport										
MUST	TCP connect established independent configurati peering ses taken in ac (Note: This and Next Ho	ayer indepen ions, on top either over of the part on informati sion. This i count in the test is to p when sendi erent peer o	of which BG IPv4 or IPv icular trans on from the nformation (route disse verify that ng an update	of. While BGB sport used it address use the network emination pro DUT correct to a peer o	2-4 itself in the derives implied to estable address of occedure.	plicit ish the a peer) is						
	Ubuntu	Ubuntu	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	16.04: FAIL	16.04: FAIL		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD		
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL		





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24			
ANVL-BGPPLUS- 11.1	RFC 4271, Sect. Message Format												
MUST		mats message siz support thi			mplementatio	ns are							
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			
ANVL-BGPPLUS- 12.1	NEGATIVE RFC 4271, Sect. OPEN Message												
MUST	Upon receip	PEN Message Format con receipt of an OPEN message, a BGP speaker MUST calculate ne value of the Hold Timer by using the smaller of its configured Hold Time and the Hold Time received in the OPEN essage.											
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			
ANVL-BGPPLUS- 12.2	RFC 4271, Sect. OPEN Message												
MUST		e Format me MUST be e we test the											
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24
ANVL-BGPPLUS- 12.3 MUST	NEGATIVE RFC 4271, Sect. OPEN Message RFC 4271, Sect. OPEN message	Format 6.2, p 31,								
	If the Hold Error Subco implementat	e Format me MUST be e Time field de MUST be s ion MUST rej we test the	of the OPEN et to Unacce ect Hold Tim	message is reptable Hold ne values of	unacceptable Time. An one or two	, then the seconds.				
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass
ANVL-BGPPLUS- 12.4	NEGATIVE RFC 4271, Sect. OPEN Message	' I '								
MUST	seconds tha KEEPALIVE,a (Note: Here	ted value fo t may elapse nd/or UPDATE , we test th receiving su	between the messages by at the DUT s	e receipt of the sender sends a NOTI	successive FICATION mes	sage				
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master		
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24		
ANVL-BGPPLUS- 12.5	NEGATIVE RFC 4271, Sect. OPEN Message											
MUST	seconds tha and/or UPDA (Note: Here	ted value fo t may elapse TE messages , we test th receiving su	between the by the sende at the DUT s	e receipt of er. eends a NOTII	successive FICATION mes	KEEPALIVE,						
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass		
ANVL-BGPPLUS- 13.1	RFC 4271, Sect. UPDATE Messag											
MAY		age Format essage MAY s ltiple unfea				route and						
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass		
ANVL-BGPPLUS- 13.2	RFC 4271, Sect. UPDATE Messag											
MUST	For well-kn	JPDATE Message Format For well-known attributes, the Transitive bit must be set to 1. Note: Here we test with the path attribute type ORIGIN)										
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass		





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24
ANVL-BGPPLUS- 13.3	RFC 4271, Sect. UPDATE Messag									
MUST		age Format own attribut we test wit				to 1.				
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass
ANVL-BGPPLUS- 13.4	RFC 4271, Sect. UPDATE Messag									
MUST		age Format own attribut we test wit								
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass
ANVL-BGPPLUS- 13.5	RFC 4271, Sect. UPDATE Messag									
MUST		age Format own attribut we test wit								
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24
ANVL-BGPPLUS- 13.6	RFC 4271, Sect. UPDATE Messag									
MUST	the Partial	age Format own attribut bit MUST be we test wit	set to 0.	-		attributes				
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass
ANVL-BGPPLUS- 13.7	RFC 4271, Sect. UPDATE Messag									
MUST	the Partial	age Format own attribut bit MUST be we test wit	set to 0.	_		attributes				
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass
ANVL-BGPPLUS- 13.8	RFC 4271, Sect. UPDATE Messag									
MUST	the Partial	age Format own attribut bit MUST be we test wit	set to 0.	_						
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24
ANVL-BGPPLUS- 13.9	RFC 4271, Sect. UPDATE Messag									
MUST	the Partial	age Format own attribut bit MUST be we test wit	set to 0.	_						
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass
ANVL-BGPPLUS- 13.10	RFC 4271, Sect. UPDATE Messag									
MUST	the Partial	age Format own attribut bit MUST be we test wit	set to 0.	_						
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass
ANVL-BGPPLUS- 13.11	RFC 4271, Sect. UPDATE Messag									
MUST	the Partial	age Format own attribut bit MUST be we test wit	set to 0.	_						
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24
ANVL-BGPPLUS- 13.12	RFC 4271, Sect. UPDATE Messag									
MUST	unused. The received. (Note: Here	age Format rder four bi y MUST be ze we test tha f the ORIGIN	ro when sent t DUT sends	and MUST be	e ignored wh	en				
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass
ANVL-BGPPLUS- 13.13	RFC 4271, Sect. UPDATE Messag									
MUST	unused. The received. (Note: Here	age Format rder four bi y MUST be ze we test tha Attribute Fl	ro when sent t DUT ignore	and MUST be	e ignored wh	en of				
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24
ANVL-BGPPLUS- 13.14	RFC 4271, Sect. UPDATE Messag									
MUST	the origin assume the	well-known of the path following va E - Network	information. lue:	The data of	ctet can	ned				
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass
ANVL-BGPPLUS- 13.15	RFC 4271, Sect. UPDATE Messag									
MUST	UPDATE Mess ATOMIC_AGGR of length 0	EGATE is a w	ell-known di	scretionary	attribute					
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass
ANVL-BGPPLUS- 13.16	RFC 4271, Sect. UPDATE Messag									
MUST	UPDATE Mess AGGREGATOR	age Format is an option	al transitiv	re attribute	of length 6					
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24
ANVL-BGPPLUS- 14.1 MUST	RFC 4271, Sect. KEEPALIVE Mes RFC 4271, Sect. OPEN Message	sage Format 4.2, p 13,								
	KEEPALIVE m second.	essage Forma essages MUST me MUST be e	NOT be sent	_	_	_				
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:
	unpredict	unpredict	unpredict	unpredict	unpredict	unpredict	unpredict	unpredict	unpredict	unpredict
	FreeBSD 10.3:	FreeBSD 10.3:	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD	FreeBSD
	unpredict	unpredict	10.3: pass	unpredict	10.3: pass	10.3: pass				
ANVL-BGPPLUS- 15.1	RFC 4271, Sect. Path Attributes	5, p 23,								
MUST		utes ntations MUS s test check			own attribut	es				
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass
ANVL-BGPPLUS- 15.2	RFC 4271, Sect. Path Attributes	5, p 23,								
MUST		utes ntations MUS s test check			own attribut	es				
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24
ANVL-BGPPLUS- 15.3	RFC 4271, Sect. Path Attributes	5, p 23,								
MUST		utes well-known DATE message			y and must b	e included				
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass
ANVL-BGPPLUS- 15.4	NEGATIVE RFC 4271, Sect. Path Attributes	5, p 23,								
MUST	in every UP	utes well-known DATE message hecks for EB	that contai		y and must b	e included				
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass
ANVL-BGPPLUS- 15.5	NEGATIVE RFC 4271, Sect. Path Attributes	5, p 23,								
MUST	in every UP	utes well-known DATE message hecks for IB	that contai		y and must b	e included				
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master	
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24	
ANVL-BGPPLUS- 15.6	RFC 4271, Sect. Path Attributes	5, p 23,									
MUST	these attri	utes peer has upd butes in any test verifi	updates it	transmits to	o its peers.	MUST pass					
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	
ANVL-BGPPLUS- 15.7	RFC 4271, Sect. Path Attributes	5, p 23,									
SHOULD	Path Attrib Paths with accepted.	utes unrecognized	transitive	optional att	tributes SHO	ULD be					
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	
ANVL-BGPPLUS- 15.8	RFC 4271, Sect. Path Attributes	5, p 23,									
SHOULD	If a path w and passed optional at	ath Attributes a path with unrecognized transitive optional attribute is accepted ad passed along to other BGP peers, then the unrecognized transitive betional attribute of that path MUST be passed along with the path to ther BGP peers									
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24
ANVL-BGPPLUS- 15.9	RFC 4271, Sect. Path Attributes	5, p 23,								
SHOULD	and passed optional at	utes ith unrecogn along to oth tribute of t eers with th	er BGP peers hat path MUS	s, then the ι ST be passed	unrecognized along with	transitive the path to				
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass
ANVL-BGPPLUS- 15.10	RFC 4271, Sect. Path Attributes	5, p 23,								
MUST	Path Attrib Unrecognize ignored	utes d non-transi	tive optiona	ıl attribute:	s must be qu	ietly				
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass
ANVL-BGPPLUS- 15.11	RFC 4271, Sect. Path Attributes	5, p 24,								
MUST		utes d non-transi her BGP peer		ıl attributes	s must not b	e passed				
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master	
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24	
ANVL-BGPPLUS- 15.12	RFC 4271, Sect. Path Attributes	5, p 23,									
MAY	originator (Note: This	utes ive optional or by any ot test checks optional att	her AS (BGP the case wh	Speaker) in en originato	the path.	_					
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	
ANVL-BGPPLUS- 15.13	NEGATIVE RFC 4271, Sect. Path Attributes	5, p 23,									
MAY	Path Attrib If new tran originator,	utes sitive optio the Partial	nal attribut bit in the	es are not a Attribute F	attached by lags octet i	the s set to 1.					
	Ubuntu	Ubuntu	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	16.04: FAIL	16.04: FAIL	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	
ANVL-BGPPLUS- 15.14	NEGATIVE RFC 4271, Sect. Path Attributes	5, p 23,									
MUST	The sender the UPDATE The receive	th Attributes de sender of an UPDATE message should order path attributes within de UPDATE message in ascending order of attribute type. de receiver of an UPDATE message MUST be prepared to handle path tributes within the UPDATE message that are out of order.									
	Ubuntu	Ubuntu	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	16.04: FAIL	16.04: FAIL	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master	
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24	
ANVL-BGPPLUS- 15.15	NEGATIVE RFC 4271, Sect. Path Attributes	5, p 23,									
MUST		tribute (att nce within t									
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	
ANVL-BGPPLUS- 16.1	RFC 4271, Sect. AS_PATH	5.1.2, p 24,									
MUST		n BGP speake speaker SHA ute.									
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	
ANVL-BGPPLUS- 16.2	RFC 4271, Sect. AS_PATH	5.1.2, p 24-25,									
MUST	peer, then as follows If the firs local syste	hen a given BGP speaker advertises the route to an external eer, then the advertising speaker updates the AS_PATH attribute									
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master	
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24	
ANVL-BGPPLUS- 16.3	RFC 4271, Sect. AS_PATH	5.1.2, p 25,									
MUST	is of type	t path segme AS_SET, the SEQUENCE to t.	local system	_ shall prepa	end a new pa	th segment					
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	
ANVL-BGPPLUS- 16.4	RFC 4271, Sect. AS_PATH	5.1.2, p 25,									
MUST		speaker orig de an empty peers.									
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	
ANVL-BGPPLUS- 16.5	RFC 4271, Sect. AS_PATH	5.1.2, p 25,									
MUST	shall inclu AS_SEQUENCE	S_PATH nen a BGP speaker originates a route then the originating speaker nall include its own AS number in a path segment of type S_SEQUENCE in the AS_PATH attribute of all UPDATE messages sent to n external peer.									
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24			
ANVL-BGPPLUS- 17.1	RFC 4271, Sect. NEXT_HOP	5.1.3, p 25-26,											
MAY	hop away fr the BGP address of which the a	n sending a message to an external peer X, and the peer is one IP away from the speaker: the BGP speaker can use for the NEXT_HOP attribute an interface ress of the internal peer router (or the internal router) through ch the announced network is reachable for the speaker, provided t peer X shares a common subnet with this address. Jountu Ubuntu											
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			
ANVL-BGPPLUS- 17.2	RFC 4271, Sect. NEXT_HOP	5.1.3, p 26,											
SHOULD	external pe IP address NEXT_HOP at route calcu	, if the rou er, the spea of any adjac tribute) tha lation, prov ddress. This tribute.	ker can use ent router (t the speake ided that pe	in the NEXT known from the itself use eer X shares	_HOP attribu the received es for local a common su	te an							
	Ubuntu	Ubuntu	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	16.04: FAIL	16.04: FAIL			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL			





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24
ANVL-BGPPLUS- 17.3	NEGATIVE RFC 4271, Sect5 NEXT_HOP	5.1.3, p 27,								
MUST	using an ad (Note : Her advertising	ginated by a dress of tha e we test th a route wit DUT which is	t peer as NE at DUT does h next hop s	EXT_HOP. not accept a set to an in	an Update Me terface	ssage				
	Ubuntu	Ubuntu	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	16.04: FAIL	16.04: FAIL
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL
ANVL-BGPPLUS- 17.4	NEGATIVE RFC 4271, Sects NEXT_HOP	5.1.3, p 27,								
MAY	using an ad (Note : Her advertising	ginated by a dress of tha e we test th a route wit DUT which is Update)	t peer as NE at DUT does h next hop s	EXT_HOP. not accept a set to an in	an Update Me terface	ssage				
	Ubuntu	Ubuntu	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	16.04: FAIL	16.04: FAIL
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24
ANVL-BGPPLUS- 18.1	RFC 4271, Sect. MULTI_EXIT_DIS									
SHOULD		DISC actors being LD be prefer		exit or ent	ry points wi	th lower				
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass
ANVL-BGPPLUS- 18.2	RFC 4271, Sect. MULTI_EXIT_DIS	5.1.4, p 28, SC								
MAY		DISC over EBGP, o other BGP				e propagated				
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass
ANVL-BGPPLUS- 18.3	RFC 4271, Sect. MULTI_EXIT_DIS									
MUST		DISC XIT_DISC att propagated				AS				
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master	
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24	
ANVL-BGPPLUS- 18.4	RFC 4271, Sect. MULTI_EXIT_DIS										
MUST	which allow route. If a attribute f determining route selec (Note : In	er MUST IMPL s the MULTI_ BGP speaker rom a route, the degree	EXIT_DISC at is configur then this rof preference test if DU	tribute to be ded to remove emoval MUST ee of the rou	be removed for the MULTI_ be done private and perf	rom a EXIT_DISC or to orming					
	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	
	unpredict	unpredict	unpredict	unpredict	unpredict	unpredict	unpredict	unpredict	unpredict	unpredict	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	
ANVL-BGPPLUS- 18.5	RFC 4271, Sect. MULTI_EXIT_DIS										
MAY		DISC tation MAY a e MULTI_EXIT									
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	
ANVL-BGPPLUS- 19.1	RFC 4271, Sect. LOCAL_PREF	5.1.5, p 28,									
MUST	_	CAL_PREF is a well-known attribute that SHALL be included in all DATE messages that a given BGP speaker sends to the other internal									
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24
ANVL-BGPPLUS- 19.2	RFC 4271, Sect. LOCAL_PREF	5.1.5, p 28,								
MUST	each extern	er SHALL cal al route bas degree of p ers.	ed on the lo	cally config	gured policy	, and				
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass
ANVL-BGPPLUS- 19.3	RFC 4271, Sect. LOCAL_PREF	5.1.5, p 28,								
MUST	LOCAL_PREF The higher	degree of pr	eference MUS	ST be prefer	red.					
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass
ANVL-BGPPLUS- 19.4	RFC 4271, Sect. LOCAL_PREF	5.1.5, p 28,								
MUST		er MUST NOT at it sends			attribute in	UPDATE				
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24
ANVL-BGPPLUS- 19.5	RFC 4271, Sect. LOCAL_PREF	5.1.5, p 28,								
MUST		L_PREF attri er, then thi								
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass
ANVL-BGPPLUS- 20.1	RFC 4271, Sect. ATOMIC_AGGRE									
SHOULD	attribute S	EGATE er that rece HOULD NOT re it to other	move the att	with the Annibute from	FOMIC_AGGREG. the route w	ATE nen				
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass
ANVL-BGPPLUS- 21.1	NEGATIVE RFC 4271, Sect. NOTIFICATION r									
MUST	BGP Error H The BGP4 Co message.	andling nnection is	closed immed	iately after	sending a	NOTIFICATION				
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24
ANVL-BGPPLUS- 21.2	NEGATIVE RFC 4271, Sect. BGP Error Handl	· • · · ·								
MUST	BGP Error H If no Error must be use	Subcode is	specified in	an Error me	essage, then	a zero				
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass
ANVL-BGPPLUS- 21.3	RFC 4271, Sect. BGP Error Handl									
MUST		andling "the BGP4 Co nnection has			ns that the	transport				
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass
ANVL-BGPPLUS- 21.4	RFC 4271, Sect. BGP Error Handl									
MUST	are deleted for the rou	andling GP4 Connecti from the sy tes marked a tes are dele	stem adverti s invalid, c	ses to its por the new be	peers either	withdraws				
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24			
ANVL-BGPPLUS- 21.5	NEGATIVE RFC 4271, Sect. BGP Error Handl												
MUST	Unless spec	Error Handling ess specified explicitly, the Data field of the NOTIFICATION essage that is sent to indicate an error is empty.											
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			
ANVL-BGPPLUS- 22.1	NEGATIVE RFC 4271, Sect. Message Header												
MUST	If the Mark then a sync	sage Header Error Handling the Marker field of the message header is not the expected one, n a synchronization error has occurred and the Error Subcode is to Connection Not Synchronized.											
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			
ANVL-BGPPLUS- 22.2	NEGATIVE RFC 4271, Sect. Message Header	' I '											
MUST	If the Leng length of t	essage Header Error Handling the Length field of an OPEN message is less than the minimum ength of the OPEN message, then the Error Subcode is set to Bad essage Length. The Data field contains the erroneous Length field.											
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24			
ANVL-BGPPLUS- 22.3	NEGATIVE RFC 4271, Sect. Message Header												
MUST	If the Leng length of t	ssage Header Error Handling the Length field of an UPDATE message is less than the minimum agth of the UPDATE message, then the Error Subcode is set to Bad ssage Length. The Data field contains the erroneous Length field.											
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			
ANVL-BGPPLUS- 22.4	NEGATIVE RFC 4271, Sect. Message Header	· · ·											
MUST	If the Leng the Error S	der Error Ha th field of ubcode is se e erroneous	a KEEPALIVE t to Bad Mes	sage Length									
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			
ANVL-BGPPLUS- 22.5	NEGATIVE RFC 4271, Sect. Message Header												
MUST	If the Type Error Subco	essage Header Error Handling f the Type field of the message header is not recognized, then the cror Subcode is set to Bad Message Type. The Data field contains ne erroneous Type field.											
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Release 4.0	Release 5.0	Release 5.0.1	Release 6.0	Master 2018-10-24			
ANVL-BGPPLUS- 23.1	NEGATIVE RFC 4271, Sect. OPEN message												
MUST	If the Auto	e Error Hand nomous Syste ror Subcode	m field of t		sage is unac	ceptable,							
	Ubuntu 16.04: pass												
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass			
ANVL-BGPPLUS- 23.3	NEGATIVE RFC 4271, Sect. OPEN message												
MUST	If the BGP incorrect, Syntactic c	en Message Error Handling the BGP Identifier field of the OPEN message is syntactically correct, then the Error Subcode is set to Bad BGP Identifier. Itactic correctness means that the BGP Identifier field represents valid IP host address.											
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass			
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass			
ANVL-BGPPLUS- 23.4	NEGATIVE RFC 4271, Sect. OPEN message												
MUST	If one of t recognized,	pen Message Error Handling f one of the Optional Parameters in the OPEN message is not ecognized, then the Error Subcode MUST be set to Unsupported ptional Parameters.											
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass			
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass			





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Release 4.0	Release 5.0	Release 5.0.1	Release 6.0	Master 2018-10-24			
ANVL-BGPPLUS- 25.1	RFC 4271, Sect.	6.4, p 33, message error han	dling										
SHOULD	If a peer s message, su should be n	n Message Er ends a NOTIF ch as an unr oticed, logg ion of the p	ICATION mess ecognized Er ed locally,	age, and the cror Code or	Error Subco	de, it							
	Ubuntu 16.04: FAIL												
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL			
ANVL-BGPPLUS- 26.1	RFC 4271, Sect. Cease	6.7, p 34,											
MAY	In absence a BGP peer	ror Code Cease absence of any fatal errors (that are indicated in this section), BGP peer may choose at any given time to close its BGP4 Connection sending the NOTIFICATION message with Error Code Cease.											
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass			
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass			
ANVL-BGPPLUS- 26.2	NEGATIVE RFC 4271, Sect. Cease	6.7, p 34,											
MUST	The Cease N indicated b	rror Code Cease he Cease NOTIFICATION message must not be used when a fatal error ndicated by this section does exist. Note: This test checks the case when the error is in message Header)											
	Ubuntu 16.04: pass												
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass			





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Release 4.0	Release 5.0	Release 5.0.1	Release 6.0	Master 2018-10-24			
ANVL-BGPPLUS- 26.3	NEGATIVE RFC 4271, Sect.	6.7, p 34, Cease											
MUST	indicated b	Cease OTIFICATION y this secti s test check	on does exis	st.									
	Ubuntu 16.04: pass												
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass			
ANVL-BGPPLUS- 26.4	NEGATIVE RFC 4271, Sect. Cease	6.7, p 34,											
MUST	The Cease N indicated b	or Code Cease Cease NOTIFICATION message must not be used when a fatal error licated by this section does exist. His test checks the case when the error is in UPDATE Message fields)											
	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL			
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL			
ANVL-BGPPLUS- 27.1	RFC 4271, Sect. Connection collis												
MUST	In case whe local BGP I closes BGP4 the OpenCon	onnection Collision Detection case when a connection collision is detected, if the value of the cal BGP Identifier is less than the remote one, the local system coses BGP4 Connection that already exists (the one that is already in the OpenConfirm state), and accepts BGP4 Connection initiated by the the mote system.											
	Ubuntu 16.04: pass												
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass			





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Release 4.0	Release 5.0	Release 5.0.1	Release 6.0	Master 2018-10-24				
ANVL-BGPPLUS- 27.2	RFC 4271, Sect. Connection collis													
MUST	In case whe local BGP I closes newl	nnection Collision Detection case when a connection collision is detected, if the value of the cal BGP Identifier is greater than the remote one, the local system oses newly created BGP4 Connection, and continues to use the existing the one that is already in the OpenConfirm state).												
	Ubuntu 16.04: pass													
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass				
ANVL-BGPPLUS- 27.3	RFC 4271, Sect. Connection collis													
MUST	Unless allo existing BG	onnection Collision Detection lless allowed via configuration, a connection collision with an cisting BGP4 Connection that is in Established state causes closing the newly created connection.												
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass				
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass				
ANVL-BGPPLUS- 27.4	RFC 4271, Sect. Connection collis													
MUST	Note that a that are in	onnection Collision Detection ote that a connection collision cannot be detected with connections hat are in Idle, or Connect, or Active states. Note: This test is for Connect state)												
	Ubuntu 16.04: pass													
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass				





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24			
ANVL-BGPPLUS- 27.5	RFC 4271, Sect. Connection collis												
MUST	Note that a that are in	nection Collision Detection e that a connection collision cannot be detected with connections at are in Idle, or Connect, or Active states. his test is for Active State)											
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			
ANVL-BGPPLUS- 27.6	RFC 4271, Sect. Connection collis	· · · · ·											
MUST	Closing the	Collision De BGP4 Connec is accomplis ode Cease.	tion (that r				on						
	Ubuntu	Ubuntu	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu 16.04:	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu			
	16.04: pass	16.04: pass	unpredict	unpredict	unpredict	16.04: pass							
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master				
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24				
ANVL-BGPPLUS- 28.1 MUST	NEGATIVE RFC 4271, Sect. OPEN message RFC 4271, Sect. BGP Version Neg	error handling 7, p 35,												
	If the vers OPEN messag unsigned in version num If an open an Error Su do support	P Version Negotiation the version number contained in the Version field of the received EN message is not supported then Data field contains a 2-octet signed integer, which indicates the largest locally supported rsion number less than the version the remote BGP peer bid. an open attempt fails with an Error Code OPEN Message Error, and Error Subcode Unsupported Version Number, then if the two peers support one or more common versions, then they will rapidly termine the highest common version.												
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass				
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD				
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass				
ANVL-BGPPLUS- 29.1	RFC 4271, Sect. BGP Finite State													
MUST	At Idle sta	State Machin te in respon TCP connect	se to the Ma		event the lo	cal system								
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass				
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD				
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass				
ANVL-BGPPLUS- 29.2	RFC 4271, Sect. BGP Finite State													
MUST	At idle sta	GGP Finite State Machine At idle state in response to the Manual Start event the local system Starts the ConnectRetry timer with initial value.												
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass				
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD				
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass				





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24			
ANVL-BGPPLUS- 29.3	RFC 4271, Sect. BGP Finite State												
MUST	At idle sta	P Finite State Machine idle state in response to the Manual Start event the local system stens for a connection that may be initiated by the remote BGP peer											
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			
ANVL-BGPPLUS- 29.4	RFC 4271, Sect. BGP Finite State												
MUST	In response	State Machin to the Conn the ConnectR	ectRetryTime	er_Expires ev	vent, the lo	cal system:							
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			
ANVL-BGPPLUS- 29.5	RFC 4271, Sect. BGP Finite State												
MAY	While in Ac event : - continues	GP Finite State Machine nile in Active state in response to the ConnectRetry timer expired vent: continues to listen for TCP connection that may be initiated by emote BGP peer											
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master	
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24	
ANVL-BGPPLUS- 29.6	RFC 4271, Sect. BGP Finite State										
MUST		State Machin is ignored		ent state.							
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	
ANVL-BGPPLUS- 29.7	NEGATIVE RFC 4271, Sect. BGP Finite State										
MUST	In state Op	State Machin enSent if th N message wi	e Hold Timer			tem sends					
	Ubuntu	Ubuntu 16.04:	Ubuntu	Ubuntu	Ubuntu 16.04:	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	
	16.04: pass	unpredict	16.04: pass	16.04: FAIL	unpredict	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	16.04: FAIL	
	FreeBSD 10.3:	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:	FreeBSD	FreeBSD	
	unpredict	10.3: pass	10.3: FAIL	10.3: pass	10.3: pass	10.3: pass	10.3: pass	unpredict	10.3: pass	10.3: pass	
ANVL-BGPPLUS- 29.8	RFC 4271, Sect. BGP Finite State										
MUST	In OpenSent the local s	GP Finite State Machine n OpenSent state if a TcpConnectionFails event is received, ne local system: closes the BGP4 Connection									
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master	
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24	
ANVL-BGPPLUS- 29.9	RFC 4271, Sect. BGP Finite State										
MAY	In OpenSent the local s	to listen f	TcpConnectio								
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	
ANVL-BGPPLUS- 29.10	RFC 4271, Sect. BGP Finite State										
MUST	At OpenSent local syste - sends a K	State Machin state if th m: EEPALIVE mes epaliveTimer	ere are no e	errors in the	e OPEN messa	ge, the					
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	
ANVL-BGPPLUS- 29.11	RFC 4271, Sect. BGP Finite State										
MUST		GGP Finite State Machine Only start event is ignored in the OpenConfirm state.									
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master		
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24		
ANVL-BGPPLUS- 29.12	RFC 4271, Sect. BGP Finite State											
MUST	In OpenConf the operato	State Machin irm state in r, the local NOTIFICATIO	response to system:		op event ini	tiated by						
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass		
ANVL-BGPPLUS- 29.13	RFC 4271, Sect. BGP Finite State											
MUST	In OpenConf the operato	P Finite State Machine OpenConfirm state in response to a ManualStop event initiated by e operator, the local system: changes its state to Idle.										
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass		
ANVL-BGPPLUS- 29.14	RFC 4271, Sect. BGP Finite State											
MUST		State Machin vent is igno		Istablished :	state.							
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass		





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master		
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24		
ANVL-BGPPLUS- 29.15	RFC 4271, Sect. BGP Finite State											
MUST	In the Esta the local s - sends a K	State Machin blished stat ystem: EEPALIVE mes its Keepaliv	e, if the Kessage, and		_							
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass		
ANVL-BGPPLUS- 29.16	NEGATIVE RFC 4271, Sect. BGP Finite State											
MUST	In the Esta KEEPALIVE m	GP Finite State Machine In the Established state, if the local system receives an UPDATE or GEPALIVE message, it restarts its Hold Timer, if the negotiated Old Time value is non-zero.										
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass		
ANVL-BGPPLUS- 30.1	NEGATIVE RFC 4271, Sect. UPDATE Messag											
MAY	An UPDATE m (Note : Thi	odate Message Handling UPDATE message may be received only in the Established state. Note: This test checks by sending Update Message mediately after TCP connection is establised)										
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass		





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master	
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24	
ANVL-BGPPLUS- 30.2	NEGATIVE RFC 4271, Sect. UPDATE Messag	9, p 74, ge Handling									
MAY	An UPDATE m	age Handling essage may b checks by se	e received c								
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	
ANVL-BGPPLUS- 31.1	NEGATIVE RFC 4271, Sect. Phase 2: Route 9										
SHOULD	If the AS_P	ute Selectio ATH attribut d be exclude	e of a BGP r	route contain Phase 2 decis	ns an AS loo sion functio	p, the BGP n.					
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	
ANVL-BGPPLUS- 31.2	RFC 4271, Sect. Phase 2: Route 9										
MUST	Notice that Routing Tab take care t its associa (directly c	Phase 2: Route Selection Notice that even though BGP routes do not have to be installed in the Couting Table with the immediate next hop(s), implementations MUST Nake care that before any packets are forwarded along a BGP route, Its associated NEXT_HOP address is resolved to the immediate directly connected) next-hop address and this address (or multiple ddresses) is finally used for actual packet forwarding.									
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass	
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Release 4.0	Release 5.0	Release 5.0.1	Release 6.0	Master 2018-10-24			
ANVL-BGPPLUS- 31.3	RFC 4271, Sect. Phase 2: Route S												
MUST	The local s the NEXT_HO either the the NEXT_HO	ute Selectio peaker MUST P attribute immediate ne P is resolve UST be perfo	determine the of the select the select the select the select the select through are the select through are selected.	ted route (: ne IGP cost	see Section to the NEXT_	5.1.3). If HOP (where							
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass			
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass			
ANVL-BGPPLUS- 31.4	RFC 4271, Sect. Phase 2: Route S												
MUST	The local s the NEXT_HO either the the NEXT_HO	ase 2: Route Selection e local speaker MUST determine the immediate next-hop address from e NEXT_HOP attribute of the selected route (see Section 5.1.3). If ther the immediate next hop or the IGP cost to the NEXT_HOP (where e NEXT_HOP is resolved through an IGP route) changes, Phase 2 Route lection MUST be performed again.											
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass			
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass			
ANVL-BGPPLUS- 31.5	RFC 4271, Sect. Phase 2: Route S												
SHOULD	Unresolvabl table. Howe	nase 2: Route Selection presolvable routes SHALL be removed from the Loc-RIB and the routing puble. However, corresponding unresolvable routes SHOULD be kept in public Adj-RIBs-In (in case they become resolvable).											
	Ubuntu 16.04: pass												
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass			





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24
ANVL-BGPPLUS- 32.1 MUST	NEGATIVE RFC 4271, Sect. Route Resolvabil RFC 4271, Sect. Route Resolvabil	lity Condition 9.1.2.1, p 78-79,								
	1. A route address, is least one retwork addrectly) thr Mutually realso fail to it is also routes that Routing Tabrent conten	vability Con Rtel, refere considered esolvable ro ress and is ough Rtel. cursive rout he resolvabi important th would becom le even if t ts of the Ro recursive r	ncing only tresolvable iute Rte2 than not recursives (routes rlity check. at implemente unresolvableir NEXT_HOuting Table	of the Routing the matches Relations do no le if they was are resolutions.	ng Table con tel"s interm d (directly ch other or ot consider were install lvable using	tains at ediate or indi- themselves), feasible ed in the the cur-				
	Ubuntu	Ubuntu	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	16.04: FAIL	16.04: FAIL
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL
ANVL-BGPPLUS- 33.1	RFC 4271, Sect. Breaking Ties (P	9.1.2.2, p 77-78, hase 2)								
MUST	a) Remove f having the attributes.	es (Phase 2) rom consider smallest num Note, that tter how man	ber of AS nu when countir	mbers preser g this numbe	nt in their .	AS_PATH				
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24
ANVL-BGPPLUS- 33.2	RFC 4271, Sect. Breaking Ties (P									
MUST	b) Remove f	es (Phase 2) rom consider lowest Origi				for				
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass
ANVL-BGPPLUS- 33.3	RFC 4271, Sect. Breaking Ties (P									
MUST	Routes which	es (Phase 2) h do not hav lowest poss				considered				
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass
ANVL-BGPPLUS- 33.4	RFC 4271, Sect. Breaking Ties (P									
MUST	d) If at le	es (Phase 2) ast one of t considerati								
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24			
ANVL-BGPPLUS- 33.5	RFC 4271, Sect. Breaking Ties (P												
MUST	e) Remove f rior cost.	es (Phase 2) rom consider The interio metric to th	r cost of a	route is det	termined by	calcu-							
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			
ANVL-BGPPLUS- 33.6	RFC 4271, Sect. Breaking Ties (P												
MUST	f) Remove f was adverti	reaking Ties (Phase 2)) Remove from consideration all routes other than the route that as advertised by the BGP speaker whose BGP Identifier has the owest value.											
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			
ANVL-BGPPLUS- 33.7	RFC 4271, Sect. Breaking Ties (P												
MUST		Breaking Ties (Phase 2) g) Prefer the route received from the lowest peer address.											
	Ubuntu	Ubuntu	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	16.04: FAIL	16.04: FAIL			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL			





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24
ANVL-BGPPLUS- 34.1	RFC 4271, Sect. Overlapping Rou									
SHOULD	Overlapping If a more s described b specific ro	pecific rout y the overla	e is later w p will still	vithdrawn, th be reachab	ne set of de le using the	stinations less				
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass
ANVL-BGPPLUS- 34.2	RFC 4271, Sect. Overlapping Rou									
MUST	Decision Pr	Routes ess and a mo ocess MUST i t does not a	nstall both	the less and	d the more s					
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass
ANVL-BGPPLUS- 34.3	RFC 4271, Sect. Overlapping Rou									
MUST	In particul	verlapping Routes n particular, a route that carries ATOMIC_AGGREGATE attribute UST NOT be de-aggregated								
	Ubuntu	Ubuntu	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	16.04: FAIL	16.04: FAIL
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24			
ANVL-BGPPLUS- 35.1	RFC 4271, Sect. Update-Send Pro												
MUST	When a BGP the receivi	date-Send Process Len a BGP speaker receives an UPDATE message from an internal peer, Le receiving BGP speaker SHALL NOT re-distribute the routing Liformation contained in that UPDATE message to other internal peers											
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			
ANVL-BGPPLUS- 36.1	RFC 4271, Sect. Frequency of Ro	9.2.1.1, p 83, ute Advertisement											
MUST	If new rout expiration	equency of Route Advertisement new routes are selected multiple times while awaiting the piration of MinRouteAdvertisementInterval, the last route selected ALL be advertised at the end of MinRouteAdvertisementInterval.											
	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu	Ubuntu 16.04:	Ubuntu 16.04:			
	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	16.04: pass	unpredict	unpredict			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD 10.3:			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	unpredict			
ANVL-BGPPLUS- 37.1 MUST	RFC 4271, Sect. Frequency of Ro RFC 4271, Sect. BGP Timers	ute Origination											
	The paramet amount of t UPDATE mess speaker"s o The suggest	requency of Route Origination ne parameter MinASOriginationIntervalTimer determines the minimum mount of time that must elapse between successive advertisements of PDATE messages that report changes within the advertising BGP peaker"s own autonomous systems. The suggested default value for the MinASOriginationIntervalTimer- timer on EBGP4 Connections is 30 seconds.											
	Ubuntu	Ubuntu	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	16.04: FAIL	16.04: FAIL			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL			





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master		
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24		
ANVL-BGPPLUS- 37.2	RFC 4271, Sect. Frequency of Ro RFC 4271, Sect. BGP Timers	ute Origination										
	The paramet amount of t UPDATE mess speaker"s o The suggest	f Route Orig er MinASOrig ime that mus ages that re wn autonomou ed default v GP4 Connecti	inationInter t elapse bet port changes s systems. alue for the	ween success within the MinASOrigin	sive adverti advertising	sements of BGP						
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass		
ANVL-BGPPLUS- 38.1	RFC 4271, Sect. Aggregating Rou											
SHOULD		Routing Inf have differ		XIT_DISC att	ribute SHALL	NOT be						
	Ubuntu	Ubuntu	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	16.04: FAIL	16.04: FAIL		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD		
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL		
ANVL-BGPPLUS- 38.2	RFC 4271, Sect. Aggregating Rou											
SHOULD	If the aggr AS_PATH att	ggregating Routing Information f the aggregated route has an AS_SET as the first element in its S_PATH attribute, then the router that originates the route SHOULD OT advertise the MULTI_EXIT_DISC attribute with this route.										
	Ubuntu	Ubuntu	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	16.04: FAIL	16.04: FAIL		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD		
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL		





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24
ANVL-BGPPLUS- 38.3	RFC 4271, 9.2.2 Aggregating Rou									
MUST	When aggreg the NEXT_HO	Routing Inf ating routes P attribute e on the BGP	that have do	gated route	SHALL ident	ify				
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass
ANVL-BGPPLUS- 38.4	RFC 4271, Sect. Aggregating Rou									
MUST	If at least with the va	Routing Inf one route a lue INCOMPLE ibute with t	mong routes TE, then the	aggregated						
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass
ANVL-BGPPLUS- 38.5	RFC 4271, Sect. Aggregating Rou									
MUST	If at least the value E	Routing Inf one route a GP, then the ith the valu	mong routes aggregated							
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24
ANVL-BGPPLUS- 38.6	RFC 4271, Sect. Aggregating Rou									
MUST	If routes t	Routing Inf o be aggrega gregated rou dual route.	ted have ide							
	Ubuntu	Ubuntu	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	16.04: FAIL	16.04: FAIL
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL
ANVL-BGPPLUS- 38.7	RFC 4271, Sect. Aggregating Rou									
MUST	- all tuple	Routing Inf s of type AS ll of the AS	_SEQUENCE in							
	Ubuntu	Ubuntu	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	16.04: FAIL	16.04: FAIL
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL
ANVL-BGPPLUS- 38.8	RFC 4271, Sect. Aggregating Rou									
MUST	- all tuple appear in a	Routing Inf s of type AS t least one ppear as eit	_SET in the of the AS_PA	TH in the in	nitial set	L				
	Ubuntu	Ubuntu	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	16.04: FAIL	16.04: FAIL
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24			
ANVL-BGPPLUS- 38.9	RFC 4271, Sect. Aggregating Rou												
MUST	<pre>- for any t which prece precedes Y</pre>	gregating Routing Information for any tuple X of type AS_SEQUENCE in the aggregated AS_PATH the ch precedes tuple Y in the aggregated AS_PATH, X the cedes Y in each AS_PATH in the initial set which contains the regardless of the type of Y.											
	Ubuntu	Ubuntu	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	16.04: FAIL	16.04: FAIL			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL			
ANVL-BGPPLUS- 38.10	NEGATIVE RFC 4271, Sect. Aggregating Rou	′ ' ′											
MUST	- No tuple more than o An implemen these rules	Routing Inf of type AS_S nce in the a tation may c . At a minim form the fol tions:	ET with the ggregated AS hoose any al um a conform	S_PATH. .gorithm which ant implemen	ch conforms ntation SHAL	to L be							
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			
ANVL-BGPPLUS- 38.11	RFC 4271, Sect. Aggregating Rou	9.2.2.2, p 86, iting Information,											
SHOULD	If at least	gregating Routing Information at least one of the routes to be aggregated has ATOMIC_AGGREGATE th attribute, then the aggregated route shall have this attribute as all.											
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24			
ANVL-BGPPLUS- 38.12	RFC 4271, Sect. Aggregating Rou												
MUST	Any AGGREGA NOT be incl forming the	gregating Routing Information y AGGREGATOR attributes from the routes to be aggregated MUST T be included in the aggregated route. The BGP speaker per- rming the route aggregation MAY attach a new AGGREGATOR tribute (see Section 5.1.7).											
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			
ANVL-BGPPLUS- 39.1	RFC 4271, 9.3, p Route Selection												
MUST	- If the lo considered, any other r	ute Selection Criteria If the local AS appears in the AS path of the new route being nsidered, then that new route can not be viewed as better than y other route (provided that the speaker is configured to accept ch routes). If such a route were ever used, a routing loop could sult.											
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			
ANVL-BGPPLUS- 40.1	RFC 4271, Sect. Multiple Network	Appendix - F.1, p s Per Message,	91,										
SHOULD	The BGP pro	ultiple Networks per Message ne BGP protocol allows multiple address prefixes with the same ath attributes to be specified in one message											
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24			
ANVL-BGPPLUS- 41.1	draft-ietf-idr-error UPDATE messag	-handling-01.txt Soge error handling	ection 2 Page 3 " I	Revision to Base S	Specification"								
MUST	If any attr Attribute T Attribute F message MUS (This test	ised Update Message Error Handling According To Draft any attribute has Attribute Flags that conflict with the ribute Type Code, then the error SHOULD be logged, and the ribute Flags MUST be reset to the correct value. The UPDATE sage MUST continue to be processed. is test checks for mandatory well-known attributes, Optional Bit External Peer)											
	Ubuntu	Ubuntu	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	16.04: FAIL	16.04: FAIL			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL			
ANVL-BGPPLUS- 41.2	draft-ietf-idr-error UPDATE messag	-handling-01.txt Soge error handling	ection 2 Page 3 " I	Revision to Base S	Specification"								
MUST	If any attr Attribute T Attribute F message MUS (This test	evised Update Message Error Handling According To Draft f any attribute has Attribute Flags that conflict with the ttribute Type Code, then the error SHOULD be logged, and the ttribute Flags MUST be reset to the correct value. The UPDATE essage MUST continue to be processed. This test checks for mandatory well-known attributes, Optional Bit nd Internal Peer)											
	Ubuntu	Ubuntu	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	16.04: FAIL	16.04: FAIL			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL			





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24			
ANVL-BGPPLUS- 41.3	draft-ietf-idr-error UPDATE messag	-handling-01.txt Soge error handling	ection 2 Page 3 " I	Revision to Base S	Specification"								
MUST	If any attr Attribute T Attribute F message MUS (This test	ised Update Message Error Handling According To Draft any attribute has Attribute Flags that conflict with the ribute Type Code, then the error SHOULD be logged, and the ribute Flags MUST be reset to the correct value. The UPDATE sage MUST continue to be processed. is test checks for mandatory well-known attributes, Transitional Bit External Peer)											
	Ubuntu	Ubuntu	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	16.04: FAIL	16.04: FAIL			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL			
ANVL-BGPPLUS- 41.4	draft-ietf-idr-error UPDATE messag	-handling-01.txt Sege error handling	ection 2 Page 3 " I	Revision to Base S	Specification"								
MUST	If any attr Attribute T Attribute F message MUS (This test	Levised Update Message Error Handling According To Draft If any attribute has Attribute Flags that conflict with the Ittribute Type Code, then the error SHOULD be logged, and the Ittribute Flags MUST be reset to the correct value. The UPDATE INDEED TO BE TO											
	Ubuntu	Ubuntu	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	16.04: FAIL	16.04: FAIL			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL			





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24			
ANVL-BGPPLUS- 41.5	draft-ietf-idr-error UPDATE messag	-handling-01.txt So ge error handling	ection 2 Page 3 " I	Revision to Base S	Specification"								
MUST	If any attr Attribute T Attribute F message MUS (NOTE:This This test c	rised Update Message Error Handling According To Draft any attribute has Attribute Flags that conflict with the cribute Type Code, then the error SHOULD be logged, and the cribute Flags MUST be reset to the correct value. The UPDATE usage MUST continue to be processed. UTE: This test only checks for Processing us test checks for mandatory well-known attributes, Partial Bit use External Peer)											
	Ubuntu	Ubuntu	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	16.04: FAIL	16.04: FAIL			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL			
ANVL-BGPPLUS- 41.6	draft-ietf-idr-error UPDATE messag	-handling-01.txt Soge error handling	ection 2 Page 3 " I	Revision to Base S	Specification"								
MUST	If any attr Attribute T Attribute F message MUS (This test	evised Update Message Error Handling According To Draft f any attribute has Attribute Flags that conflict with the ttribute Type Code, then the error SHOULD be logged, and the ttribute Flags MUST be reset to the correct value. The UPDATE essage MUST continue to be processed. This test checks for mandatory well-known attributes, Partial Bit nd Internal Peer)											
	Ubuntu	Ubuntu	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	16.04: FAIL	16.04: FAIL			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL			





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24			
ANVL-BGPPLUS- 41.7	draft-ietf-idr-error UPDATE messag	-handling-01.txt Sege error handling	ection 2 Page 3 "	Revision to Base S	Specification"								
MUST	If any attr Attribute T Attribute F message MUS (NOTE:This This test c	vised Update Message Error Handling According To Draft any attribute has Attribute Flags that conflict with the tribute Type Code, then the error SHOULD be logged, and the tribute Flags MUST be reset to the correct value. The UPDATE ssage MUST continue to be processed. OTE: This test only checks for Processing is test checks for MULTI_EXIT_DISC ptional non-transitive) attribute and for Optional Bit) Ubuntu											
	Ubuntu	Ubuntu	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	16.04: FAIL	16.04: FAIL			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL			
ANVL-BGPPLUS- 41.8	draft-ietf-idr-error UPDATE messag	r-handling-01.txt Sege error handling	ection 2 Page 3 "	Revision to Base S	Specification"								
MUST	If any attr Attribute T Attribute F message MUS (NOTE:This This test c	Revised Update Message Error Handling According To Draft If any attribute has Attribute Flags that conflict with the Attribute Type Code, then the error SHOULD be logged, and the Attribute Flags MUST be reset to the correct value. The UPDATE message MUST continue to be processed. (NOTE:This test only checks for Processing This test checks for MULTI_EXIT_DISC (optional non-transitive) attribute and for transitive Bit)											
	Ubuntu	Ubuntu	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	16.04: FAIL	16.04: FAIL			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL			





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24
ANVL-BGPPLUS- 41.9	draft-ietf-idr-error UPDATE messag	-handling-01.txt Sege error handling	ection 2 Page 3 " I	Revision to Base S	Specification"					
MUST	If any attr Attribute T Attribute F message MUS (NOTE:This This test c	ate Message ibute has At ype Code, th lags MUST be T continue t test only ch hecks for MU on-transitiv	tribute Flag en the error reset to th o be process ecks for Pro LTI_EXIT_DIS	rs that confine SHOULD be done to see the correct value of the correct v	lict with th logged, and alue. The U	the				
	Ubuntu	Ubuntu	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	16.04: FAIL	16.04: FAIL
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL	10.3: FAIL
ANVL-BGPPLUS- 41.10	draft-ietf-idr-error UPDATE messag	-handling-01.txt Sege error handling	ection 2 Page 3 " I	Revision to Base S	Specification"					
MUST	Revised Update Message Error Handling According To Draft If any attribute has Attribute Flags that conflict with the Attribute Type Code, then the error SHOULD be logged, and the Attribute Flags MUST be reset to the correct value. The UPDATE message MUST continue to be processed. (NOTE: This test only checks for Processing This test checks for ATOMIC AGGREGATE (well known discretionary) attribute and for Optional Bit)									
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24			
ANVL-BGPPLUS- 41.11	draft-ietf-idr-error UPDATE messaç	-handling-01.txt Soge error handling	ection 2 Page 3 " I	Revision to Base S	Specification"								
MUST	If any attr Attribute T Attribute F message MUS (NOTE:This This test c	ised Update Message Error Handling According To Draft any attribute has Attribute Flags that conflict with the ribute Type Code, then the error SHOULD be logged, and the ribute Flags MUST be reset to the correct value. The UPDATE sage MUST continue to be processed. TE:This test only checks for Processing s test checks for ATOMIC AGGREGATE ll known discretionary) attribute and for Transitive Bit) Jbuntu Ubuntu Ubuntu Ubuntu Ubuntu Ubuntu Ubuntu Ubuntu Ubuntu Ubuntu											
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			
ANVL-BGPPLUS- 41.12	draft-ietf-idr-error UPDATE messaç	-handling-01.txt Soge error handling	ection 2 Page 3 " I	Revision to Base S	Specification"								
MUST	If any attr Attribute T Attribute F message MUS (NOTE:This This test c	evised Update Message Error Handling According To Draft f any attribute has Attribute Flags that conflict with the ttribute Type Code, then the error SHOULD be logged, and the ttribute Flags MUST be reset to the correct value. The UPDATE essage MUST continue to be processed. NOTE: This test only checks for Processing his test checks for ATOMIC AGGREGATE well known discretionary) attribute and for Partial Bit)											
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24			
ANVL-BGPPLUS- 41.13	draft-ietf-idr-error UPDATE messag	-handling-01.txt Soge error handling	ection 2 Page 3 " I	Revision to Base S	Specification"								
MUST	If any attr Attribute T Attribute F message MUS (NOTE:This This test c	rised Update Message Error Handling According To Draft any attribute has Attribute Flags that conflict with the cribute Type Code, then the error SHOULD be logged, and the cribute Flags MUST be reset to the correct value. The UPDATE csage MUST continue to be processed. OTE: This test only checks for Processing cs test checks for AGGREGATOR otional transitive) attribute and for Optional Bit)											
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			
ANVL-BGPPLUS- 41.14	draft-ietf-idr-error UPDATE messag	-handling-01.txt Soge error handling	ection 2 Page 4 " I	Revision to Base S	Specification"								
MUST	The approach handling of specify as ORIGIN, AS_	evised Update Message Error Handling According To Draft he approach of "treat-as-withdraw" MUST be used for the error andling of the cases described in Section 6.3 of [RFC4271] that pecify a session reset and involve any of the following attributes: RIGIN, AS_PATH, NEXT_HOP, MULTI_EXIT_DISC, and LOCAL_PREF. Note: This test checks by sending incorrect length for ORIGIN ttribute)											
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24			
ANVL-BGPPLUS- 41.15	draft-ietf-idr-error UPDATE messag	-handling-01.txt Soge error handling	ection 2 Page 4 " I	Revision to Base S	Specification"								
MUST	The approach andling of specify as ORIGIN, AS_												
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			
ANVL-BGPPLUS- 41.16	draft-ietf-idr-error UPDATE messag	-handling-01.txt Soge error handling	ection 2 Page 4 " I	Revision to Base S	Specification"								
MUST	The approac handling of specify a s ORIGIN, AS_	evised Update Message Error Handling According To Draft ne approach of "treat-as-withdraw" MUST be used for the error andling of the cases described in Section 6.3 of [RFC4271] that secify a session reset and involve any of the following attributes: RIGIN, AS_PATH, NEXT_HOP, MULTI_EXIT_DISC, and LOCAL_PREF. Note: This test checks by sending incorrect length for LOCAL_PREF											
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24			
ANVL-BGPPLUS- 41.17		-handling-01.txt Soge error handling	ection 2 Page 4 " I	Revision to Base S	Specification"								
MUST	The approach handling of specify as ATOMIC_AGGR												
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			
ANVL-BGPPLUS- 41.18	draft-ietf-idr-error UPDATE messag	-handling-01.txt Soge error handling	ection 2 Page 4 " I	Revision to Base S	Specification"								
MUST	The approach handling of specify as ORIGIN, AS_	evised Update Message Error Handling According To Draft the approach of "treat-as-withdraw" MUST be used for the error andling of the cases described in Section 6.3 of [RFC4271] that pecify a session reset and involve any of the following attributes: RIGIN, AS_PATH, NEXT_HOP, MULTI_EXIT_DISC, and LOCAL_PREF. This test checks for well-known mandatory attributes missing.For IBGP)											
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master				
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24				
ANVL-BGPPLUS- 41.19	draft-ietf-idr-error UPDATE messaç	-handling-01.txt Soge error handling	ection 2 Page 4 " I	Revision to Base S	Specification"									
MUST	The approac handling of specify a s													
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass				
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD				
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass				
ANVL-BGPPLUS- 41.20	draft-ietf-idr-error UPDATE messaç	-handling-01.txt Soge error handling	ection 2 Page 4 " I	Revision to Base S	Specification"									
MUST	The approac handling of specify a s	ate Message h of "treat- the cases d ession reset PATH, NEXT_H N attribute	as-withdraw" escribed in and involve OP, MULTI_EX	MUST be use Section 6.3 any of the MIT_DISC, and	ed for the e of [RFC4271 following a] that ttributes:								
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass				
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD				
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass				





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master		
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24		
ANVL-BGPPLUS- 41.21		Iraft-ietf-idr-error-handling-01.txt Section 2 Page 4 " Revision to Base Specification" JPDATE message error handling										
MUST	Revised Update Message Error Handling According To Draft The approach of "treat-as-withdraw" MUST be used for the error handling of the cases described in Section 6.3 of [RFC4271] that specify a session reset and involve any of the following attributes: ORIGIN, AS_PATH, NEXT_HOP, MULTI_EXIT_DISC, and LOCAL_PREF. (NOTE:AS_PATH attribute is syntactically incorrect)											
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass		
ANVL-BGPPLUS-	draft-ietf-idr-error-handling-01.txt Section 5.1 Page 6 " AGGREGATOR"											
41.22 MUST	The AGGREGA following a Its length not adverti Its length both advert An UPDATE mandled usi	ate Message TOR attribut pplies: is not 6 (wh sed to, or n is not 8 (wh ised to, and essage with ng the appro s test "leng	en the "4-oo ot received en the "4-oo received fr a malformed ach of "attr	considered make the AS number from the peer the AS number om the peer AGGREGATOR at the discarding the considered make the con	alformed if er capability er [RFC4893] er capability).	y" is). y" is						
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass		





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Release 4.0	Release 5.0	Release 5.0.1	Release 6.0	Master 2018-10-24		
ANVL-BGPPLUS- 41.23		raft-ietf-idr-error-handling-01.txt Section 2 Page 4 " Revision to Base Specification" PDATE message error handling										
MUST	If an attri- the occurre discarded a	evised Update Message Error Handling According To Draft f an attribute appears more than once in an UPDATE message, then all he occurrences of the attribute other than the first one SHALL be iscarded and the UPDATE message continue to be processed. This test checks for EBGP)										
	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL		
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL		
ANVL-BGPPLUS- 41.24	draft-ietf-idr-error UPDATE messag	-handling-01.txt Sege error handling	ection 2 Page 4 " I	Revision to Base S	Specification"							
MUST	If an attri the occurre discarded a	Revised Update Message Error Handling According To Draft If an attribute appears more than once in an UPDATE message, then all the occurrences of the attribute other than the first one SHALL be discarded and the UPDATE message continue to be processed. (This test checks for IBGP)										
										Ubuntu 16.04: FAIL		
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL		





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24			
ANVL-BGPPLUS- 41.25		raft-ietf-idr-error-handling-01.txt Section 2 Page 4 " Revision to Base Specification" PDATE message error handling											
MUST	When multip same approa specified f specified a be used. (NOTE:ORIGI	Revised Update Message Error Handling According To Draft When multiple malformed attributes exist in an UPDATE message, if the same approach (either "treat-as-withdraw" or "attribute discard") is specified for the handling of these malformed attributes, then the specified approach MUST be used. Otherwise "treat-as-withdraw" MUST be used. (NOTE:ORIGIN and AS_PATH attribute field malformed and Same approach specified for both the malformed attributes i.e "treat as withdraw")											
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			
ANVL-BGPPLUS- 41.26	draft-ietf-idr-error	r-handling-01.txt So	ection 2 Page 4 " I	Revision to Base S	Specification"								
MUST	When multip same approa specified f specified a be used. (NOTE:ORIGI	Revised Update Message Error Handling According To Draft When multiple malformed attributes exist in an UPDATE message, if the same approach (either "treat-as-withdraw" or "attribute discard") is specified for the handling of these malformed attributes, then the specified approach MUST be used. Otherwise "treat-as-withdraw" MUST be used. (NOTE:ORIGIN, AS_PATH and AGGREGATOR attribute field malformed and Same approach not specified for all the malformed attributes i.e "treat as withdraw")											
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Release 4.0	Release 5.0	Release 5.0.1	Release 6.0	Master 2018-10-24		
ANVL-BGPPLUS-	draft-ietf-idr-error	-handling-01.txt S	ection 4 Page 5 "C	Operational Consid	lerations"							
41.27 SHOULD	When a malf an IBGP ses malformed a ingress rou or received router to p This will h (NOTE:ORIGI Checking fo	Revised Update Message Error Handling According To Draft When a malformed attribute is indeed detected over an IBGP session, we RECOMMEND that routes with the malformed attribute be identified and traced back to the ingress router in the network where the routes were sourced or received externally, and then a filter be applied on the ingress router to prevent the routes from being sourced or received. This will help maintain routing consistency in the network. (NOTE:ORIGIN, AS_PATH attribute field malformed Checking for filter applied or not on ingress router over an IBGP session to prevent route for which malformed attribute received earlier)										
	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL	Ubuntu 16.04: FAIL		
	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL	FreeBSD 10.3: FAIL		
ANVL-BGPPLUS- 41.28	draft-ietf-idr-error UPDATE messag	-handling-01.txt Sige error handling	ection 3 Page 5 "F	Parsing of NLRI Fig	elds"							
MUST	Revised Update Message Error Handling According To Draft To facilitate the determination of the NLRI field in an UPDATE with a malformed attribute, the MP_REACH or MP_UNREACH attribute (if present) SHOULD be encoded as the very first path attribute in an UPDATE as recommended by [RFC4760bis]. An implementation, however, MUST still be prepared to receive these fields in any position. (NOTE:ANVL checks if DUT receive these field in any position MP_REACH_NLRI attribute encoded as last path attribute in the UPDATE message)											
	Ubuntu 16.04: pass									Ubuntu 16.04: pass		
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass		





	Release 2.0	Release 3.0	Release 2.0.2	Release 3.0.2	Release 3.0.3	Release 4.0	Release 5.0	Release 5.0.1	Release 6.0	Master 2018-10-24		
ANVL-BGPPLUS- 41.29		raft-ietf-idr-error-handling-01.txt Section 3 Page 5 "Parsing of NLRI Fields" PDATE message error handling										
MUST	Revised Update Message Error Handling According To Draft To facilitate the determination of the NLRI field in an UPDATE with a malformed attribute, the MP_REACH or MP_UNREACH attribute (if present) SHOULD be encoded as the very first path attribute in an UPDATE as recommended by [RFC4760bis]. An implementation, however, MUST still be prepared to receive these fields in any position. (NOTE:ANVL checks if DUT receive these field in any position MP_UNREACH_NLRI attribute encoded as last path attribute in the UPDATE message)											
	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass	Ubuntu 16.04: pass		
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass		
ANVL-BGPPLUS- 42.1		r-handling-01.txt S ge error handling	ection 2 Page 3 " I	Revision to Base S	Specification"							
SHOULD	Update Message Error Handling According To New Draft Atrribute Flag error log check If any attribute has Attribute Flags that conflict with the Attribute Type Code, then the error SHOULD be logged. (NOTE:Error Log Checking) (This test checks for mandatory well-known attributes, Optional Bit and External Peer)											
	Ubuntu 16.04: pass 16.04: pass 16.04: pass 16.04: pass 16.04: pass 16.04: pass											
	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass	FreeBSD 10.3: pass		





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master		
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24		
ANVL-BGPPLUS- 42.2		draft-ietf-idr-error-handling-01.txt Section 2 Page 3 " Revision to Base Specification" JPDATE message error handling										
SHOULD	Update Message Error Handling According To New Draft Atrribute Flag error log check If any attribute has Attribute Flags that conflict with the Attribute Type Code, then the error SHOULD be logged. (NOTE:Error Log Checking) (This test checks for mandatory well-known attributes, Optional Bit and External Peer)											
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass		
ANVL-BGPPLUS- 42.3	draft-ietf-idr-error UPDATE messag	-handling-01.txt Soge error handling	ection 2 Page 3 " I	Revision to Base S	Specification"							
SHOULD	Update Message Error Handling According To New Draft Atrribute Flag error log check If any attribute has Attribute Flags that conflict with the Attribute Type Code, then the error SHOULD be logged. (NOTE:Error Log Checking) (Note: This test checks for mandatory well-known attributes, Transitive Bit and Internal Peer)											
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass		





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master		
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24		
ANVL-BGPPLUS- 42.4		draft-ietf-idr-error-handling-01.txt Section 2 Page 3 " Revision to Base Specification" JPDATE message error handling										
SHOULD	Update Message Error Handling According To New Draft Atrribute Flag error log check If any attribute has Attribute Flags that conflict with the Attribute Type Code, then the error SHOULD be logged. (NOTE:Error Log Checking) (Note: This test checks for mandatory well-known attributes, Partial Bit and Internal Peer)											
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass		
ANVL-BGPPLUS- 42.5	draft-ietf-idr-error UPDATE messag	-handling-01.txt Sege error handling	ection 2 Page 3 " I	Revision to Base S	Specification"							
SHOULD	Update Message Error Handling According To New Draft Atrribute Flag error log check If any attribute has Attribute Flags that conflict with the Attribute Type Code, then the error SHOULD be logged (NOTE:Error Log Checking) (Note: This test checks for MULTI_EXIT_DISC (optional non-transitive) attribute and for Optional Bit)											
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass		
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD		
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass		





	Release	Release	Release	Release	Release	Release	Release	Release	Release	Master			
	2.0	3.0	2.0.2	3.0.2	3.0.3	4.0	5.0	5.0.1	6.0	2018-10-24			
ANVL-BGPPLUS- 42.6		draft-ietf-idr-error-handling-01.txt Section 2 Page 3 " Revision to Base Specification" UPDATE message error handling											
SHOULD	Update Message Error Handling According To New Draft Atrribute Flag error log check If any attribute has Attribute Flags that conflict with the Attribute Type Code, then the error SHOULD be logged (NOTE:Error Log Checking) (Note: This test checks for ATOMIC_AGGREGATE (Well known discretionary) attribute and for Optional Bit)												
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			
ANVL-BGPPLUS- 42.7	draft-ietf-idr-error UPDATE messaç	r-handling-01.txt S ge error handling	ection 4 Page 6 "C	perational Consid	lerations"								
MUST	Atrribute F Because of debugging f to be diagn error listi UPDATE mess (Note: Thi Attribute t	age Error Ha lag error lo these potent acilities to osed. At a m ng the NLRI age when suc s test check ype Code for tribute, and	g check ial issues, permit issu inimum, such involved, an h an attribu s sending Wr well-known	a BGP speakers caused by facilities do containing the is detections Attribut	er MUST provy a malforme MUST includ g the entire ted. te flags con	d attribute e logging an malformed							
	Ubuntu	Ubuntu	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	16.04: pass	16.04: pass			
	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD	FreeBSD			
	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass	10.3: pass			