



	Release 8.2.2	Release 8.3	Release 8.4	Release 8.5	Release 9.0	Release x.x.x	Release x.x.x	Release x.x.x	
Туре	FRR	FRR	FRR	FRR	FRR				
Commit ID	79188bf	gd19215c	99477bc	86a5e5a	2863e7e				
Commit Date	2022-03-13	2022-08-07	2022-11-03	2023-03-14	2023-08-08				
IGMP-1.2	DUT supporting IGMP router								
MUST		to verify tha			outer behavi	or			
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested				
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 20.04: pass				
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested				
IGMP-2.1	RFC 2236, IG	iMP Version 2,	s7 page 13 Ro	outer State Dia	gram				
SHOULD		ng the router					<u> </u>	I	
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested				
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 20.04: pass				
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested				
IGMP-2.2	RFC 2236, IG	MP Version 2,	s3 p4 Protoco	l Description					
SHOULD	On startup, a router SHOULD Multicast [Startup Query Count] General Queries spaced closely together [Startup Query Interval] (This test is for number of startup General Queries)								
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested				
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 20.04: pass				
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested				
IGMP-2.3	RFC 2236, IG	MP Version 2,	s3 p4 Protoco	l Description					
SHOULD	General Que	_	closely toget	her [Startur	Query Count] O Query Inter General Queri				
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested				
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 20.04: pass				
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested				





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IGMP-2.4	RFC 2236, IG	MP Version 2,	s3 p4 Protoco	I Description						
MUST	_	Routers periodically [QUERY_INTERVAL] multicast a general query on each attached network for which this router is the querier								
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested					
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 20.04: pass					
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested					
IGMP-2.5	RFC 2236, IG	MP Version 2,	s3 p4 Protoco	l Description						
MUST					n a router wi For that netw					
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested					
	Ubuntu 18.04:	Ubuntu 18.04:	Ubuntu 18.04:	Ubuntu 18.04:	Ubuntu 20.04:					
	Free BSD 12.0	Free BSD 12.0	Free BSD 12.0	Free BSD 12.0	Free BSD 12.0					
	untested	untested	untested	untested	untested					
IGMP-2.6	NEGATIVE: F	RFC 2236, IGM	P Version 2, s	3 p4 Protocol [	Description					
MUST	If a multicast router hears a query message from a router with lower IP address, it MUST become a non-querier for that network									
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested					
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 20.04: pass					
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested					
IGMP-2.7	RFC 2236, IG	MP Version 2,	s3 p4 Protoco	l Description				•		
MUST		casting Start a general que			queries, a ro	outer				
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested					
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 20.04: pass					
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested					





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IGMP-2.8	RFC 2236, IG	MP Version 2,	s3 p4 Protoco	Description R	FC 2236, IGMI	Version 2, s2	2 p2 Introduction	n		
MUST	_	A general query is addressed to ALL-SYSTEMS, has a Group Address field of 0 and a Max Response Time of [Query Response Interval].								
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested					
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 20.04: pass					
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested					
IGMP-3.2	RFC 2236, IG	MP Version 2,	s3 p5 Protoco	l Description			•			
MUST		er receives a multicast gr	_		oup being rep network.	orted to				
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested					
	Ubuntu 18.04:	Ubuntu 18.04:	Ubuntu 18.04:	Ubuntu 18.04:	Ubuntu 20.04:					
	pass	pass	pass	pass	pass					
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested					
IGMP-3.3	RFC 2236, IG	MP Version 2,	s3 p5 Protoco	I Description						
MUST	The router stops forwarding remotely-originated multicasts for a group after GROUP_MEMBERSHIP_INTERVAL									
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested					
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 20.04: pass					
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested					
IGMP-3.8	RFC 2236, IG	MP Version 2,	s3 p5 Protoco	l Description						
SHOULD	Routers SHOW		leave group	message beir	ng addressed	to the				
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested					
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 20.04: pass					
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested					





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IGMP-3.9	RFC 2236, IG	MP Version 2,	s3 p5 Protoco	l Description			•			
MUST	_	A querier multicasts [Last Member Query Count] Group-Specific Queries every [LAST_MEMBER_QUERY_INTERVAL] upon receiving a Leave message								
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested					
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 20.04: pass					
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested					
IGMP-3.10	RFC 2236, IG	MP Version 2,	s3 p6 Protoco	l Description						
MUST		_	er transitio val * Last Me		_	period of				
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested					
	Ubuntu 18.04: FAIL	Ubuntu 18.04: FAIL	Ubuntu 18.04: FAIL	Ubuntu 18.04: FAIL	Ubuntu 20.04: FAIL					
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested					
IGMP-3.11	RFC 2236, IG	MP Version 2,	s3 p6 Protoco	l Description						
SHOULD	Queriers SHOULD ignore Leave Group messages for which there are no group members on the reception interface									
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested					
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 20.04: pass					
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested					
IGMP-5.4	NEGATIVE: F	RFC 2236, IGM	P Version 2, se	6 p8 Host State	e Diagram					
MUST	To be valid be 8 octets		essage MUST h	nave the righ	nt checksum a	nd must				
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested					
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 20.04: pass					
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested					





	Release 8.2.2	Release 8.3	Release 8.4	Release 8.5	Release 9.0	Release x.x.x	Release x.x.x	Release x.x.x		
IGMP-5.6	NEGATIVE: F	RFC 2236, IGM	P Version 2, s	6 p8 Host State	e Diagram					
миѕт	1	To be valid a report must have a valid checksum and any greater than 8 octets long must be accepted for future compatability								
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested					
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 20.04: pass					
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested					
IGMP-5.10	NEGATIVE: F	RFC 2236, IGM	P Version 2, s	6 p9 Host State	e Diagram					
SHOULD	The Leave me	essage is ser	nt to ALL-ROU	JTERS						
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested					
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 20.04: pass					
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested					
IGMP-6.1	NEGATIVE: F	RFC 2236, IGM	P Version 2, s	7 page 13 Rou	ter State Diagr	am				
миѕт	To be valid, a leave message must have correct IGMP checksum and must be 8 octets long									
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested					
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 20.04: pass					
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested					
IGMP-6.3	RFC 2236, IG	MP Version 2,	s7 page 13 Ro	outer State Dia	gram					
миѕт		ransmits the			n the retran	smit				
	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested					
	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 18.04: pass	Ubuntu 20.04: pass					
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested					





Release   Rele		Dalassa	Deleges	Dalassa	Dalassa	Deleges	Dalassa	Deleges	Dalassa		
The Group-Specific query has a Max Response Time of											
	IGMP-6.4	RFC 2236, IG	MP Version 2,	s7 page 13 Ro	outer State Dia	gram					
United   U	MUST										
Pass											
IGMP-6.5   RFC 2236, IGMP Version 2, s3 page 5 Protocol Description											
There is no querier—non-querier transition when a group-specific query has been sent out  Tee BSD 10.3 pree BSD 10.3 untested untested  Ubuntu 18.04: Ubuntu 18.04: Ubuntu 18.04: pass pass pass pass pass  Free BSD 12.0 Free BSD 12.0 untested untes											
Query has been sent out   Free BSD 10.3	IGMP-6.5	RFC 2236, IG	MP Version 2,	s3 page 5 Pro	tocol Description	on					
Ubuntu 18.04: Ubuntu 18.04: pass pass pass pass pass pass pass pas	MUST	I	_	-querier tran	nsition when	a group-spec	ific				
Pass											
IGMP-6.6   RFC 2236, IGMP Version 2, s7 page 13 Router State Diagram											
MUST    10 IGMP v2 hosts join and leave 2 groups on 2 different interfaces		1									
DUT is an IGMP v2 router (Tests an IGMP router behavior according to router state machine on its multiple interfaces)  Free BSD 10.3	IGMP-6.6	RFC 2236, IG	MP Version 2,	s7 page 13 Ro	outer State Dia	gram		•			
untested untested untested untested untested untested  Ubuntu 18.04: pass pass pass pass pass  Free BSD 12.0 Free BSD 12.0 untested untested untested untested untested  Umatested untested untested untested untested untested untested untested  IGMP-6.7  MUST  RFC 2236, IGMP Version 2, s7 page 13 Router State Diagram  10 IGMP v2 hosts join and leave a group, DUT is an IGMP v2 router (Tests an IGMP router behavior according to router state machine on its one interface)  Free BSD 10.3 Free BSD 10.3 untested untested untested untested untested  Ubuntu 18.04: Ubuntu 18.04: Ubuntu 18.04: pass pass pass  Free BSD 12.0	MUST	DUT is an IGMP v2 router (Tests an IGMP router behavior according to router state machine									
Free BSD 12.0 pass pass pass pass pass  Free BSD 12.0 puntested puntested puntested puntested puntested puntested puntested  IGMP-6.7 RFC 2236, IGMP Version 2, s7 page 13 Router State Diagram  10 IGMP v2 hosts join and leave a group, DUT is an IGMP v2 router (Tests an IGMP router behavior according to router state machine on its one interface)  Free BSD 10.3 pree BSD 10.3 pree BSD 10.3 pree BSD 10.3 pree BSD 10.3 puntested pass pass pass pass pass pass pass pas											
IGMP-6.7  RFC 2236, IGMP Version 2, s7 page 13 Router State Diagram  10 IGMP v2 hosts join and leave a group, DUT is an IGMP v2 router (Tests an IGMP router behavior according to router state machine on its one interface)  Free BSD 10.3 Free BSD 10.3 Free BSD 10.3 Free BSD 10.3 Unitested Unitested Unitested Unitested Unitested Unitested Pages Pages Pages Pages Pages Pages Pages Pages Page Page Page Page Page Page Page Page											
MUST  10 IGMP v2 hosts join and leave a group, DUT is an IGMP v2 router (Tests an IGMP router behavior according to router state machine on its one interface)  Free BSD 10.3 Free BSD 10.3 Free BSD 10.3 Free BSD 10.3 untested untested untested untested  Ubuntu 18.04: Ubuntu 18.04: Ubuntu 18.04: Ubuntu 18.04: pass pass pass pass pass  Free BSD 12.0		1									
(Tests an IGMP router behavior according to router state machine on its one interface)  Free BSD 10.3 Free BSD 10.3 Free BSD 10.3 Free BSD 10.3 Untested Unt	IGMP-6.7	RFC 2236, IG	MP Version 2,	s7 page 13 Ro	outer State Dia	gram					
untested untested untested untested untested  Ubuntu 18.04: Ubuntu 18.04: Ubuntu 18.04: Ubuntu 18.04: pass pass pass pass pass  Free BSD 12.0	MUST	(Tests an IC	GMP router be	_	_						
pass         pass         pass         pass           Free BSD 12.0         Free BSD 12.0         Free BSD 12.0         Free BSD 12.0											





	Release 8.2.2	Release 8.3	Release 8.4	Release 8.5	Release 9.0	Release x.x.x	Release x.x.x	Release x.x.x	
IGMP-6.9	RFC 2236, IG	FC 2236, IGMP Version 2, s7 page 13 Router State Diagram							
MUST	10 IGMP v2 hosts join and leave a group, DUT is an IGMP v2 router. 10 remotely originated multicast packets are sent to the DUT (Tests an IGMP router behavior including its multicast packet forwarding capability according to router state machine  Free BSD 10.3								
	Free BSD 10.3 untested	untested	Free BSD 10.3 untested	Free BSD 10.3 untested	Free BSD 10.3 untested				
	Ubuntu 18.04: Ubuntu 18.04: Ubuntu 18.04: Ubuntu 18.04: Ubuntu 20.04: pass pass pass pass								
	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested	Free BSD 12.0 untested				