

Route Flap Damping Deployment Status Survey

draft-shishio-grow-isp-rfd-implement-survey

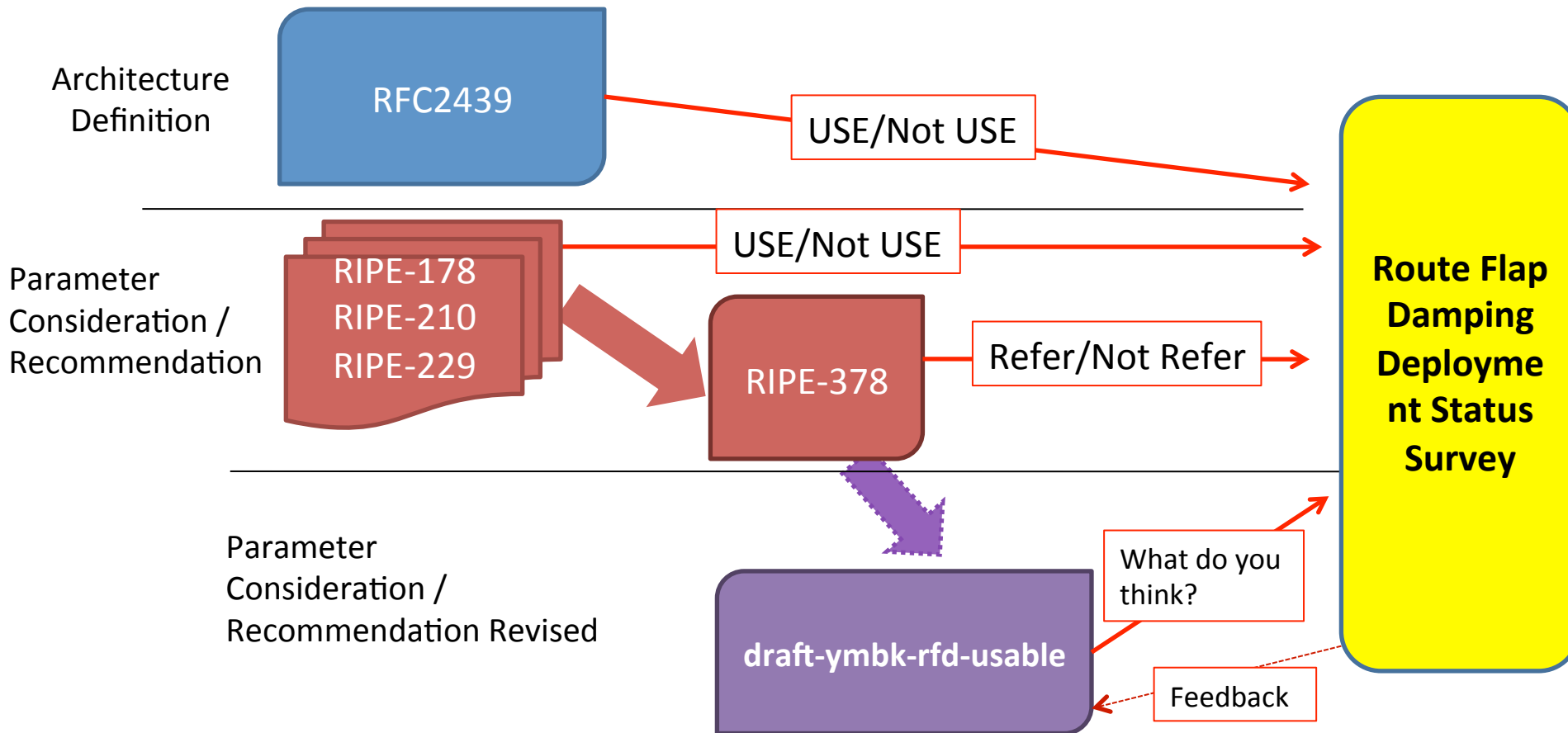
Shishio Tsuchiya shtsuchi@cisco.com

Seiichi Kawamura kawamucho@mesh.ad.jp

Randy Bush randy@psg.com

Cristel Pelsser cristel@ijj.ad.jp

RFD documentation summary



02

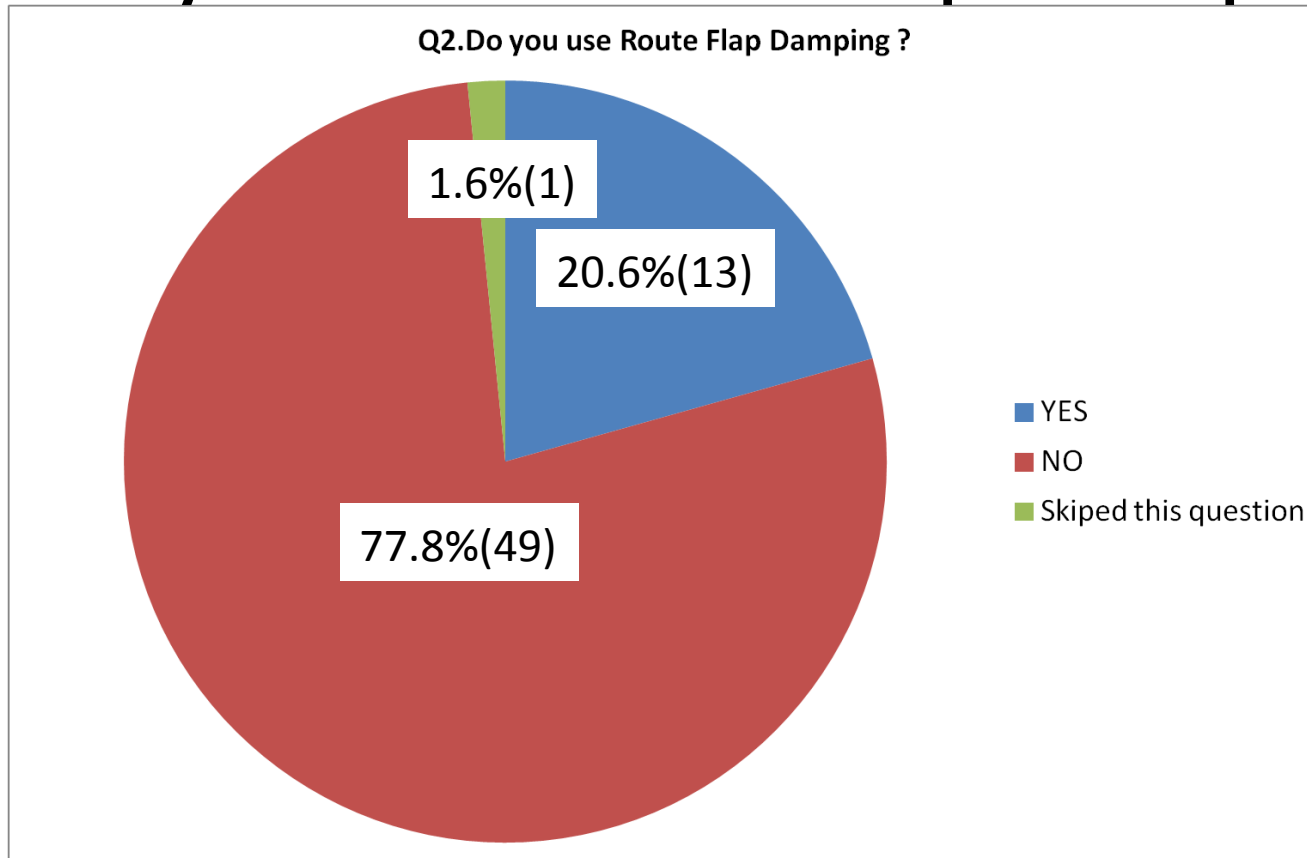
- 00,01
 - the survey was limited in Japan janog@janog.gr.jp
- After ietf80, posted the survey to NOGs.
 - nanog@nanog.org
 - routing-wg@ripe.net
 - apops@apops.net
 - afnog@afnog.org
 - sanog@sanog.org
 - lacnog@lacnic.net
- Total 63 answered the survey

Q1. Which is the best description of your job role?

Answer	Number
BGP operator	27
Researcher	1
Engineer of vendor	3
Engineer of Network/System Integrator	13
Student	0
Other	0
Total	44

This question did not exist for Japan version.

Q2.Do you use Route Flap Damping ?

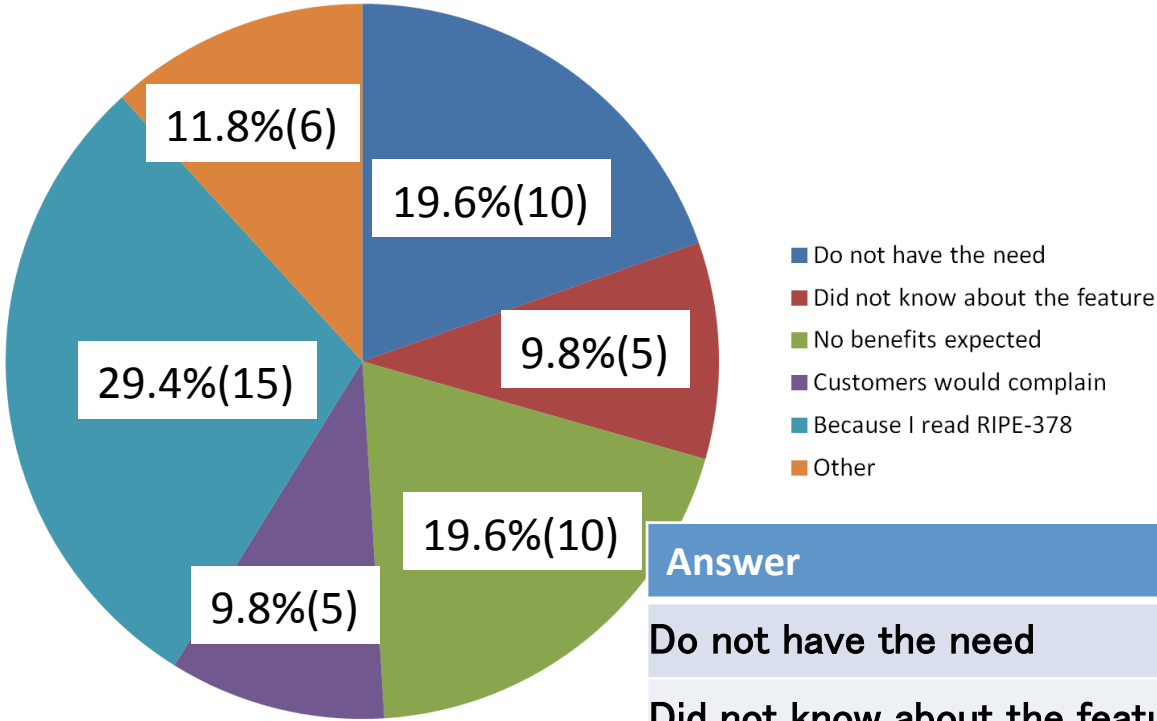


Answer	Japan	Global	Total	%
YES	5	8	13	20.6
NO	13	36	49	77.8
Skipped this question	1	0	1	1.6

Q3.If you select No on Q2,why?

1 person answered Q3,even if he selected "Yes" on Q2.

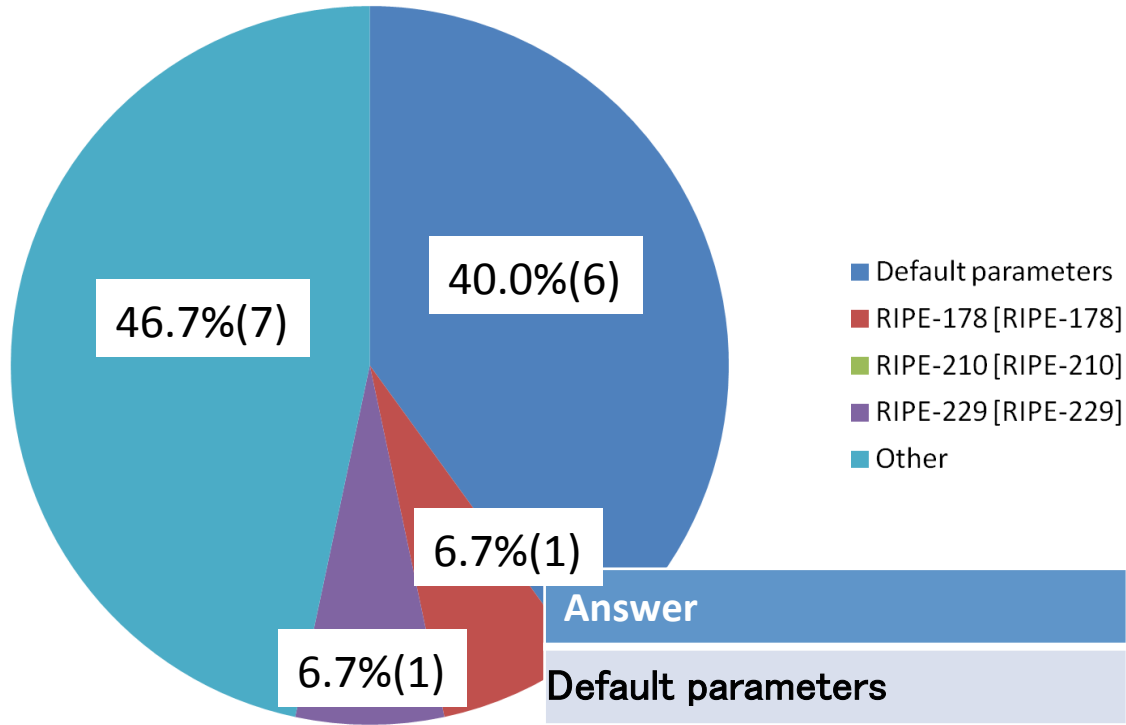
Q3.If you select "No" on Q2,why?



Answer	Japan	Global	Total	%
Do not have the need	3	7	10	19.6
Did not know about the feature	2	3	5	9.8
No benefits expected	3	7	10	19.6
Customers would complain	1	4	5	9.8
Because I read RIPE-378	2	13	15	29.4
Other	3	3	6	11.8

Q4.If you select Yes on Q2,what parameter do you use?

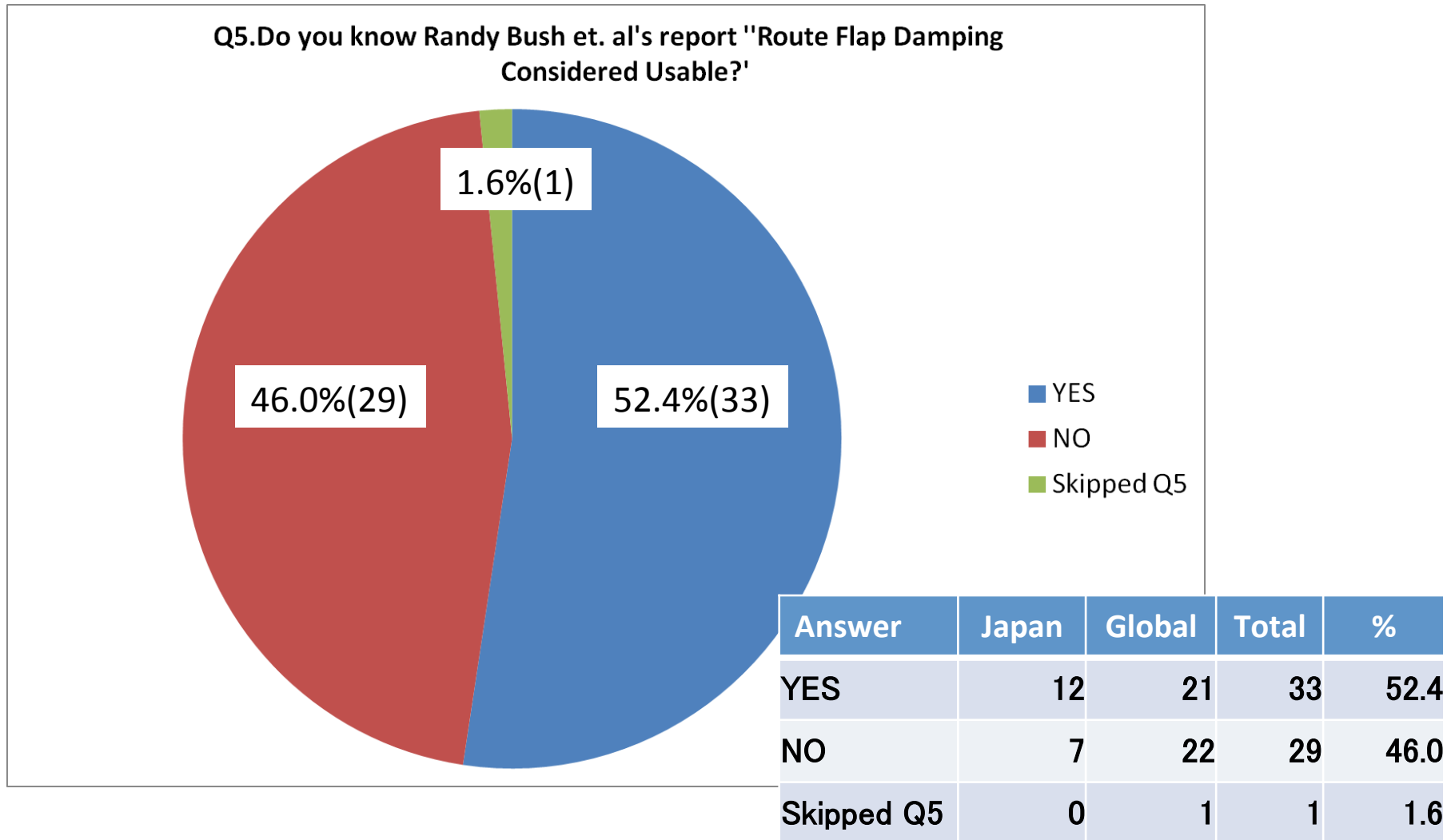
Q4.If you select Yes on Q2,what parameter do you use?



1 person answered Q4, even if he selected "No" on Q2.

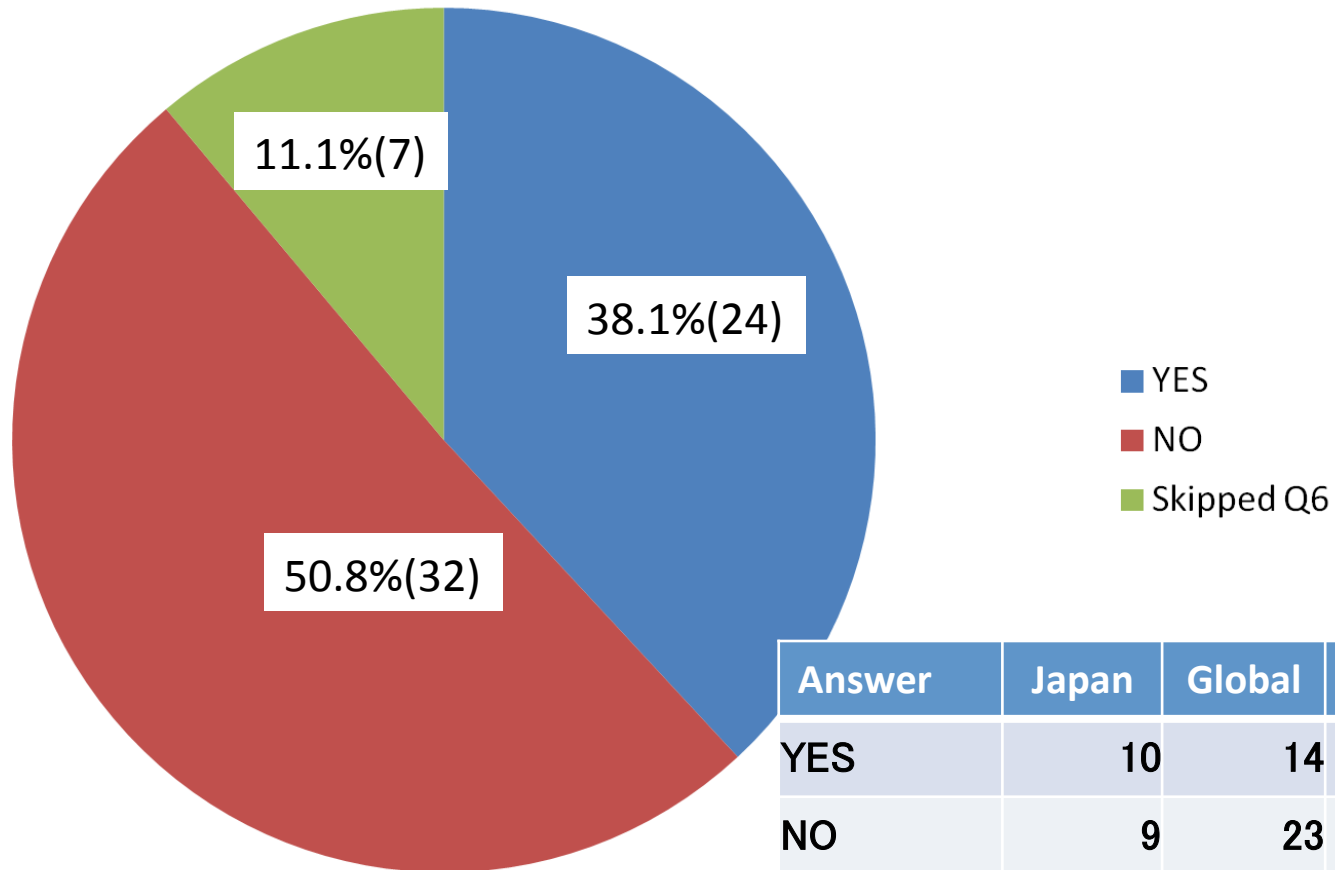
Answer	Japan	Global	Total	%
Default parameters	3	3	6	40.0
RIPE-178 [RIPE-178]	0	1	1	6.7
RIPE-210 [RIPE-210]	0	0	0	0.0
RIPE-229 [RIPE-229]	0	1	1	6.7
Other	3	4	7	46.7

Q5.Do you know Randy Bush et. al's report "Route Flap Damping Considered Usable?'



Q6.IOS's max-penalty is currently limited to 20K. Do you need this limitation to be relaxed to over 50K?

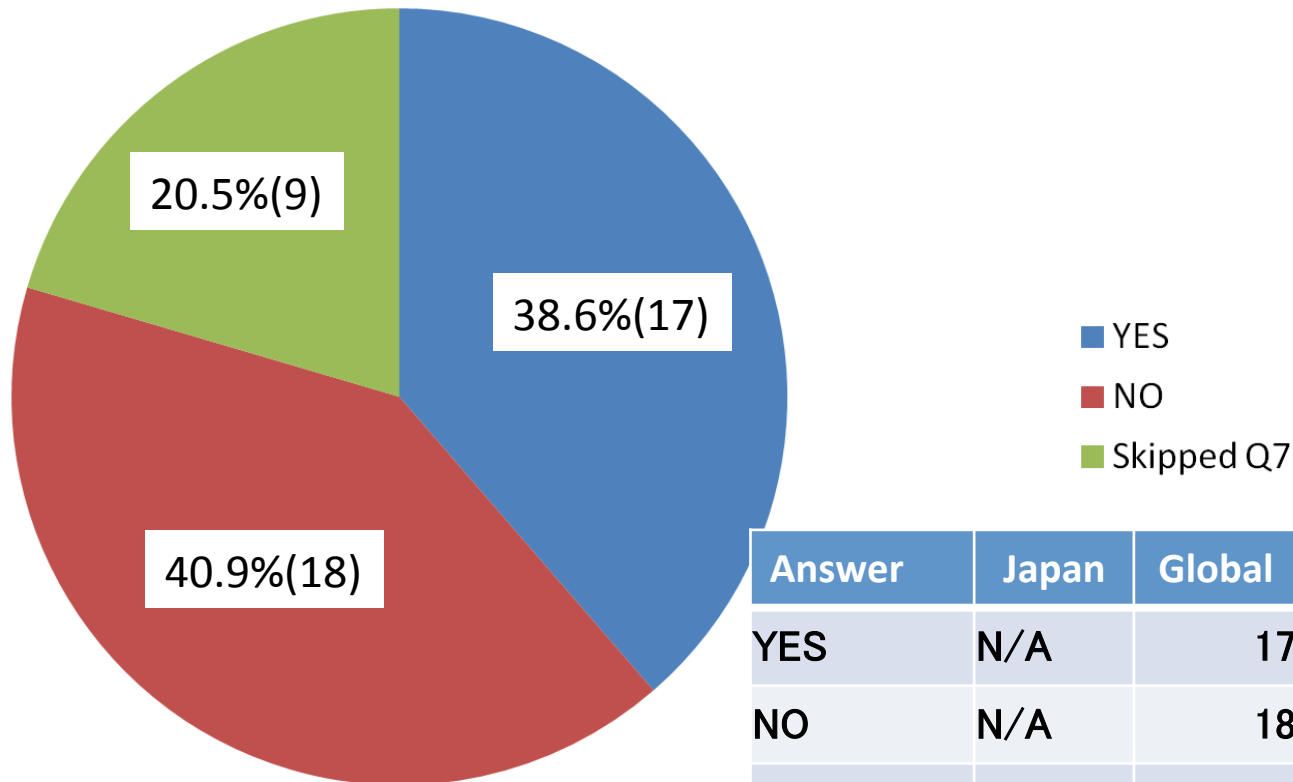
Q6.IOS's max-penalty is currently limited to 20K. Do you need this limitation to be relaxed to over 50K?



Answer	Japan	Global	Total	%
YES	10	14	24	38.1
NO	9	23	32	50.8
Skipped Q6	0	7	7	11.1

Q7.According to [draft-ymbk-rfd-usable], Suppress Threshold should be set to 6K.Do you think the default value on implementations should be changed to 6K?"

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Answer	Japan	Global	Total	%
YES	N/A	17	17	38.6
NO	N/A	18	18	40.9
Skipped Q7	N/A	9	9	20.5

Q6.If you have any comments, please fill this box.

- Statistical reports from big Service Providers may better visualize the situation.
- **best current practices is nice**, but always needs to be adjusted to reflect local network settings.
- We used RFD in the past and came to the conclusion that **we do not want to use RFD any more**. We still have it configured to be able to get Flap statistics out of our Cisco boxes, but no prefixes get dampended
- We recently **removed all RFD** from the configs due to the information read on the topic among the preso's on the NANOG Archive.

Q6.If you have any comments, please fill this box. *cont'd*

- after seeing this survey, I read the draft; sounds promising; **would be nice** to see vendors start to implement it.
- Q3, other: Juniper **RFD is broken**, default values count penalty for both update and withdrawal, and they would not fix that. No clear motivation for us, has caused outage when our customers (with primary and backup connection to us) had a flapping link.
- Strong desire to see the path vector penalized rather than the prefix.

next step..

- Our work almost finished
- To provide stable internet, something a damping mechanism is clearly needed.
- To consider new technology and new parameter, Current RFD usage survey report is useful for operators and vendors.
- So we would like to publish this draft as informational RFC.