TWNIC IP OPM AND PDP

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APNIC 56 NIR SIG, 13 September 2023

Outline

- TWNIC IP Open Policy Meeting
- TWNIC Policy Development Process (PDP)

TWNIC IP member services

- Internet resource allocation
  - IP addresses – IPv4 and IPv6
  - Registration services (“whois”, “RPKI”, “Reverse DNS”)
- Policy development and coordination
  - Open Policy Meetings and processes
- Training and outreach
  - Training courses, workshops, conferences…
- Publications
  - ISP Yearbook, Connection bandwidth survey, IPv6 Directory, technical reports, web site…

TWNIC IP OPM (Open Policy Meeting)

- TWNIC hold the first IP OPM on December 2003.
- TWNIC hold IP OPM twice a year. (***40th IP OPM on 16 November 2023***)
- Variety of ways to participate: physical venue and on-line (Youtube Live)
- The IP OPM provide great opportunities for the community on the network technology research and industry development.
- It also brings together the opinions of various ISPs in Taiwan to provide relevant IP policies and resource management mechanisms.
- Regular SIGs include ***Policy SIG***, ***Cooperation SIG***, ***Cyber Security SIG***, ***IPv6 Deployment SIG***, and ***Operational Technology SIG***.
- Some BoFs(Bird of a Feather) have ever been hold : for example, Internet Jurisdiction BoF and DNSSEC BoF.

Guest speakers of 31-34 TWNIC IP OPM 2018-2020

27-28 November 2018

05 December 2019

20 June 2019

08 October 2020

2nd ICANN APAC-TWNIC Engagement Forum with 35th TWNIC IP Open Policy Meeting

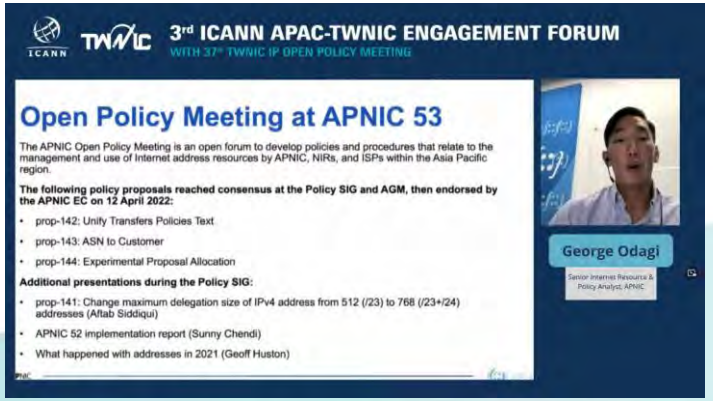
- Time: April 15-16, 2021
- To see the detail agenda, visit https://forum.twnic.tw/2021/agenda01.htm

36th TWNIC IP Open Policy Meeting

- Time: Oct 6, 2021 Online
- Keynote speech:
  - **BGP Security Threats and Challenges**
    Geoff Huston, Chief Scientist, APNIC
  - **Challenges of 5G for Smart Applications**
    Alex Chien, President of Mobile Business Group, Chunghwa Telecom
- Session topics include Cyber Security SIG, Cooperation SIG, Policy SIG and IPv6 Deployment SIG etc.
- To see the detail agenda, visit https://opm.twnic.tw/36th/agenda.html

3rd ICANN APAC-TWNIC Engagement Forum with 37th TWNIC IP Open Policy Meeting

- Time: May 12-13, 2022
- To see the detail agenda, visit https://forum.twnic.tw/2022/agenda01.htm



38th TWNIC IP Open Policy Meeting

- Time: Dec 1, 2022
- Keynote speech:
  - **Future Network Need**

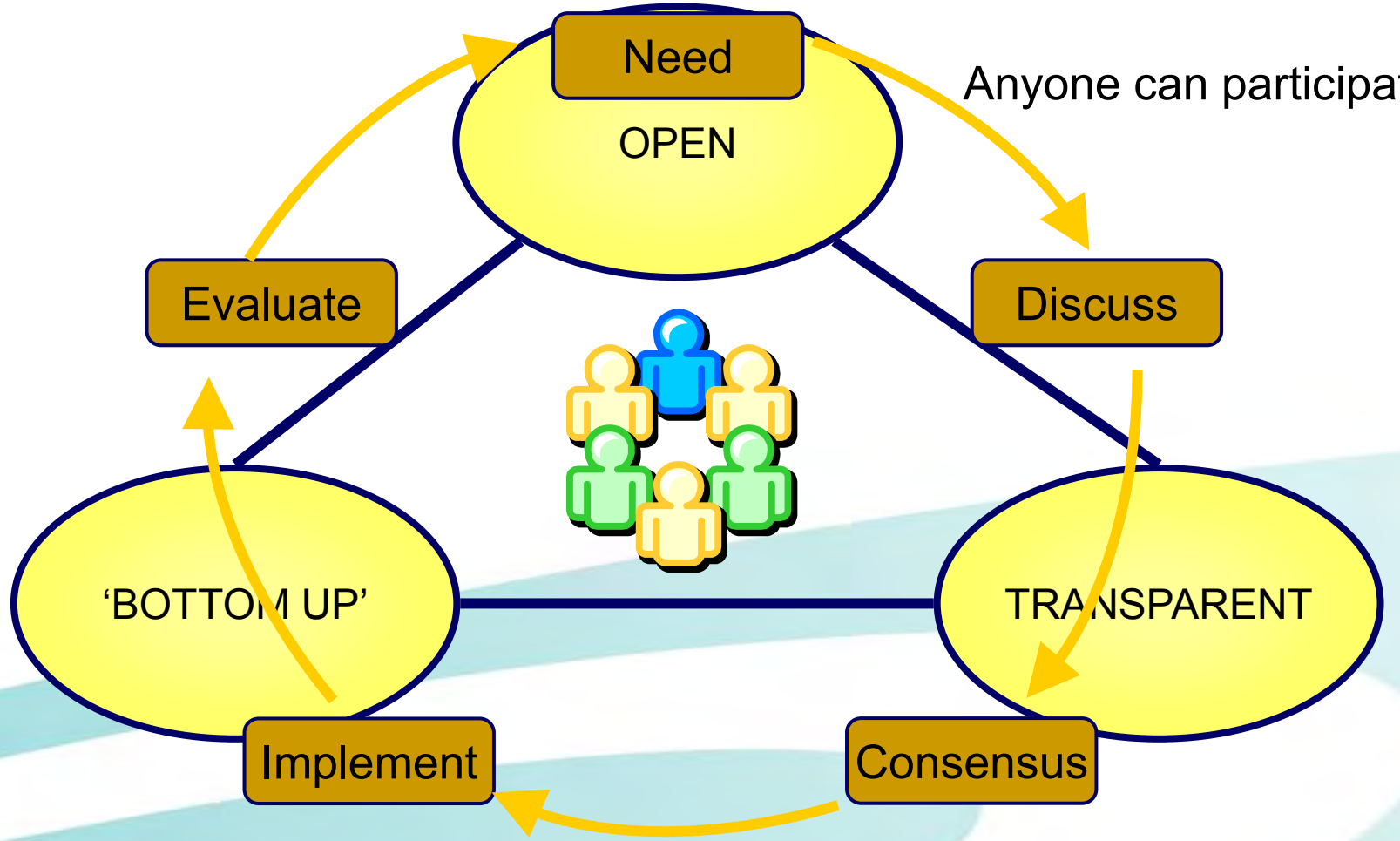
    Geoff Huston, Chief Scientist, APNIC
  - **The UN norms of responsible state behaviour in cyberspace**

    Bart Hogeveen, Head of Cyber Capacity Building, International Cyber Policy Centre (ICPC), Australia strategic Policy Institute, ASPI
- Session topics include Cyber Security SIG, Operational Technology SIG, Cooperation SIG, Policy SIG and IPv6 Deployment SIG.
- To see the detail agenda, visit https://opm.twnic.tw/38th/agenda.html

4th ICANN APAC-TWNIC Engagement Forum with 39th TWNIC IP Open Policy Meeting

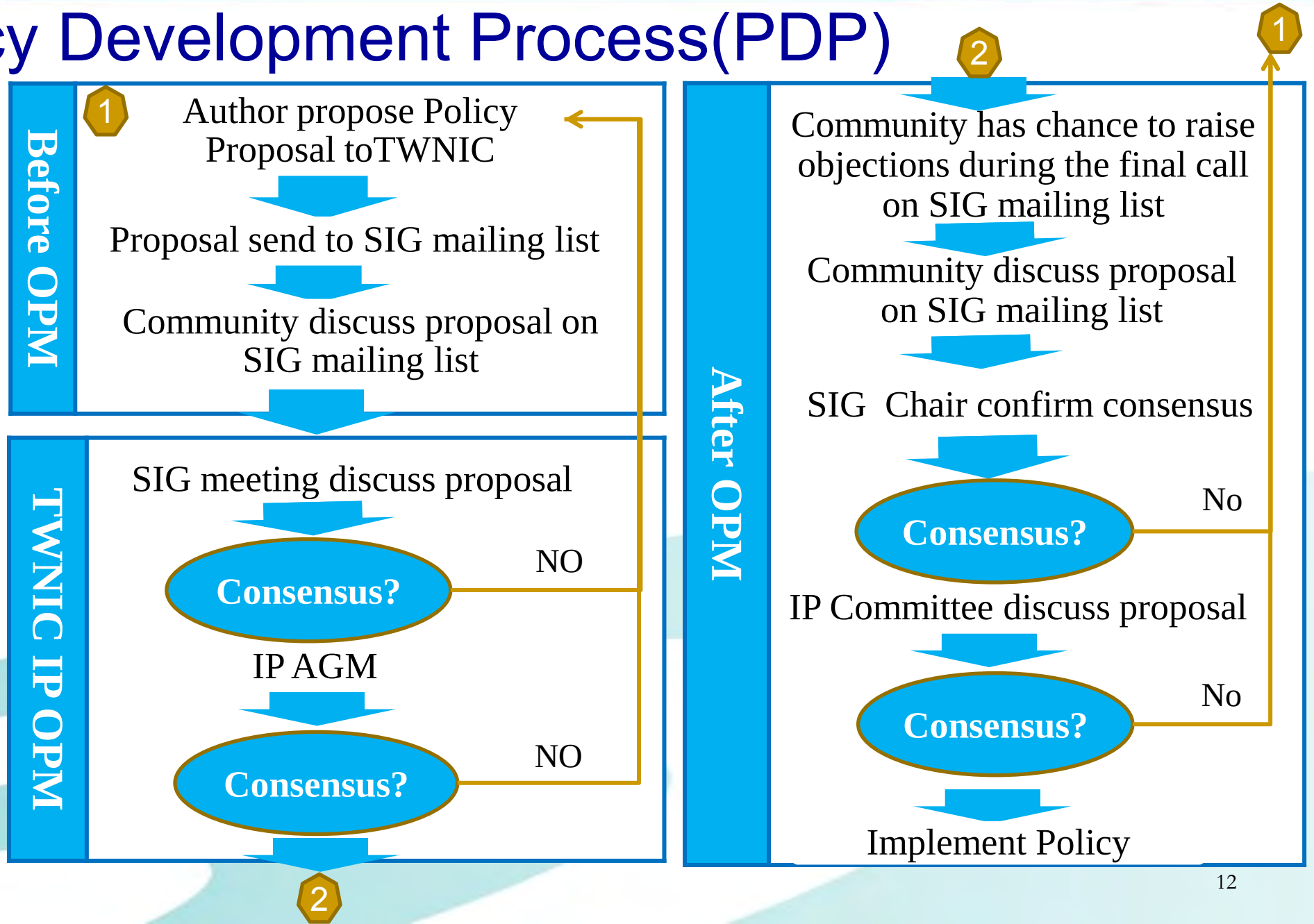
- Time: May 22-24, 2023
- To see the detail agenda, visit https://forum.twnic.tw/2023/agenda01.htm

Policy Development Process



Source: APNIC

TWNIC Policy Development Process(PDP)



Text Template of Policy Proposal

TWNIC Policy Proposal

- Proposal Title
- Proposer: Name and Email
- Proposal content:
  1. Problem statement
  2. Objective of policy change
  3. Situation in other region
  4. Proposed policy solution
  5. Advantage and disadvantage
  6. Impact on TWNIC
  7. Reference

Participation in APNIC IP Policy Proposal

Region	APNIC
Code	Prop127
Policy	Reducing the maximum delegation size of 103/8 to a /23
Policy Development Process	• Proposal 127 was initiated and proposed by Taiwan Internet community in 31st TWNIC IP OPM on Nov. 27 2018. • It reached consensus at APNIC47 meeting on Feb 28 2019.

Source: https://www.apnic.net/community/policy/proposals/prop-127

Implemented APNIC Policy proposals in five years

Proposal Number	Proposal title	Authors	Proposed year	Conference	Implemented Year	TWNIC Implemented Year
prop-151	Restricting non-hierarchical as-set	Aftab Siddiqui	2023	APNIC 55	2023	
prop-150	ROA/whois object with Private, Reserved and Unallocated (reserved/available) Origin ASN	Aftab Siddiqui	2023	APNIC 55	2023	
prop-147	Historical Resources Management	Jordi Palet Martinez	2022	APNIC 55	2023	
prop-146	Aligning the Contrast	Anupam Agrawal	2022	APNIC 54	2022	
prop-145	Single Source for Definitions	Anupam Agrawal	2022	APNIC 54	2023	
prop-144	Reserve pool under Experimental Allocation Policy	Anupam Agrawal Simon Sohel Baroi Amrita Choudhury	2022	APNIC 53	2022	

Implemented APNIC Policy proposals in five years

Proposal Number	Proposal title	Authors	Proposed year	Conference	Implemented Year	TWNIC Implemented Year
prop-143	ASN to Customer	Jordi Palet Martínez Anupam Agrawal	2022	APNIC 53	2022	
prop-142	Unify Transfer Policies Text	Jordi Palet Martínez Amrita Choudhury	2022	APNIC 53	2022	2022
prop-140	Update End-Site definition	Jordi Palet Martínez	2021	APNIC 52	2021	
prop-139	SOR not required	Jordi Palet Martínez	2021	APNIC 52	2021	2022
prop-138	Restricting AS-ID in ROA	Aftab Siddiqui	2021	APNIC 52	2021	
prop-136	Registration Requirements	Simon Sohel Baroi Amrita Choudhury	2021	APNIC 52	2021	2022
prop-135	Documentation	Amrita Choudhury Simon Sohel Baroi	2021	APNIC 52	2021	
prop-133	Clarification on Sub-Assignments	Jordi Palet Martínez	2021	APNIC 51	2021	

Implemented APNIC Policy proposals in five years

Proposal Number	Proposal title	Authors	Proposed year	Conference	Implemented Year	TWNIC Implemented Year
prop-132	RPKI ROAs for unallocated and unassigned APNIC address space (was: AS0 for Bogons)	Aftab Siddiqui	2019	APNIC 48	2020	
prop-131	Editorial changes in IPv6 Policy	Jordi Palet Martínez	2019	APNIC 48	2020	
prop-129	Abolish Waiting list for unmet IPv4 requests	Aftab Siddiqui	2019	APNIC 47	2019	
prop-128	Multihoming not required for ASN	Jordi Palet Martínez	2019	APNIC 47	2019	
prop-127	Change maximum delegation size of 103/8 IPv4 address pool to a /23	Ching-Heng Ku, Aftab Siddiqui, Yen-Chieh Wang	2019	APNIC 47	2019	2019
prop-125	Validation of “abuse-mailbox” and other IRT emails	Jordi Palet Martínez and Aftab Siddiqui	2018	APNIC 46	2019	2021

Abuse Contacts Validation

APNIC Policy	TWNIC Policy
• APNIC will validate IRT contacts periodically or every six (6) months to ensure they are accurate and contactable. • Members are required to complete these validation checks within fifteen (15) days of receiving the validation check email from APNIC. • If the IRT contacts fail the validation, APNIC will mark the IRT object invalid in the APNIC Whois Database and follow up according to relevant policies and procedures. • If validation still fails after thirty (30) days, the Member will have limited access to MyAPNIC until their IRT contacts are validated.	• TWNIC will validate Abuse contacts **every six (6) months** to ensure they are accurate and contactable. • TWNIC Members are required to complete these validation checks **within fifteen (15) days** of receiving the validation check email from TWNIC. • If the Abuse contacts fail the validation, TWNIC will mark the Abuse contact invalid in the TWNIC RMS Database and follow up according to relevant policies and procedures. ◦ • If validation still fails **after thirty (30) days**, the Member will have limited access to RMS until their Abuse contacts are validated.

Abuse Contacts Validation

提示

Start the validation

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After 15 days

Abuse Contacts Validation

After thirty (30) days,
the Member will have limited access to RMS until their Abuse contacts are validated.

Member can verify the abuse contact only.
They can not access any other feature in RMS before they finish the validation.

Abuse Contacts Validation

Admin. Contact	network-adm@hinet.net
Tech. Contact	network-adm@hinet.net
Abuse Contact	abuse@hinet.net

Admin. Contact	network-adm@hinet.net
Tech. Contact	network-adm@hinet.net
Abuse Contact	abuse@hinet.net was validated on 2023-08-22

Admin. Contact	network-adm@hinet.net
Tech. Contact	network-adm@hinet.net
Abuse Contact	abuse@hinet.net (Invalid)

Abuse Contacts Validation(2023 1H)

- We started the abuse contacts validation according to the policy since the first half of 2021 , and then validate abuse contacts twice a year till now.
- There are 269 members(83.5%) finished the validation process on 2023 1H

Execution Time	Total	Finished within 15 days	Finished within 30 days	Total Finished by 8/29	Unfinished
2023/05/21 10:16:00	322	181	231	269	53

Thank You