TWNIC Update

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Outline

STATISTICS OF TWNIC

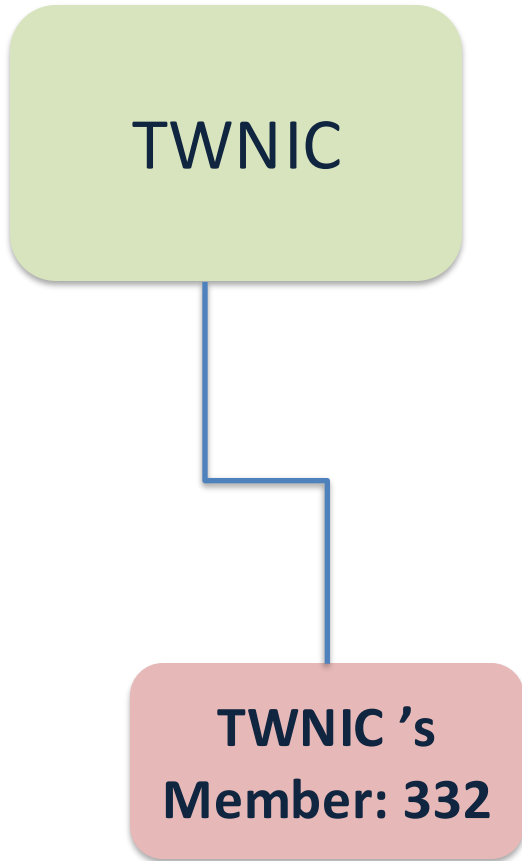TWNIC'S ACTIVITIES AND TRAINING PROGRAMS

CONCLUSIONS & FUTURE WORKS

Statistics of TWNIC's IP members

TWNIC

TWNIC 's Member: 332

Membership growth

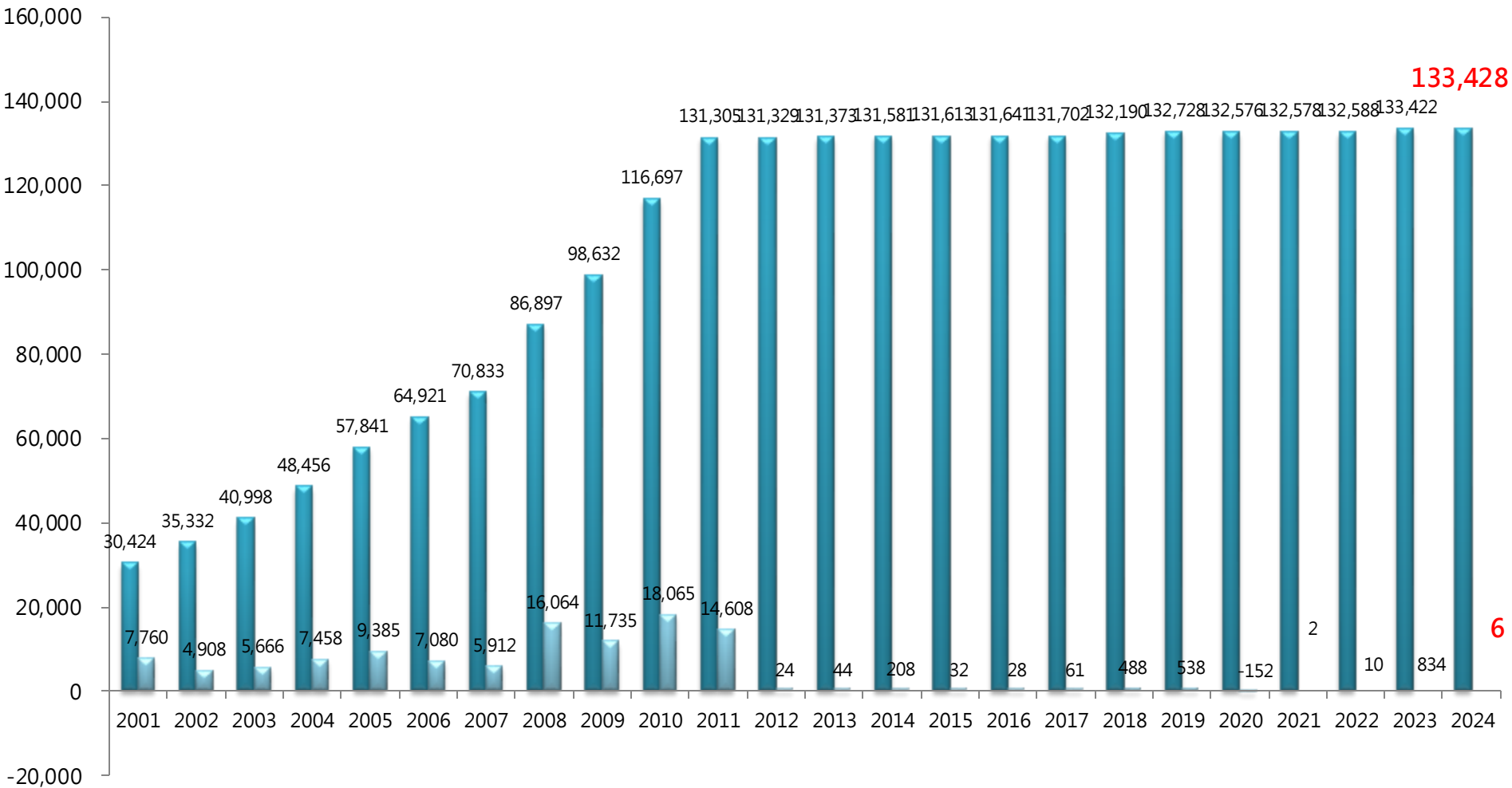| Year	Value
2009	77
2010	79
2011	80
2012	88
2013	98
2014	109
2015	115
2016	117
2017	124
2018	252
2019	289
2020	300
2021	308
2022	314
2023	333
2024	**332**

■ Membership growth

IPv4 Address Allocation
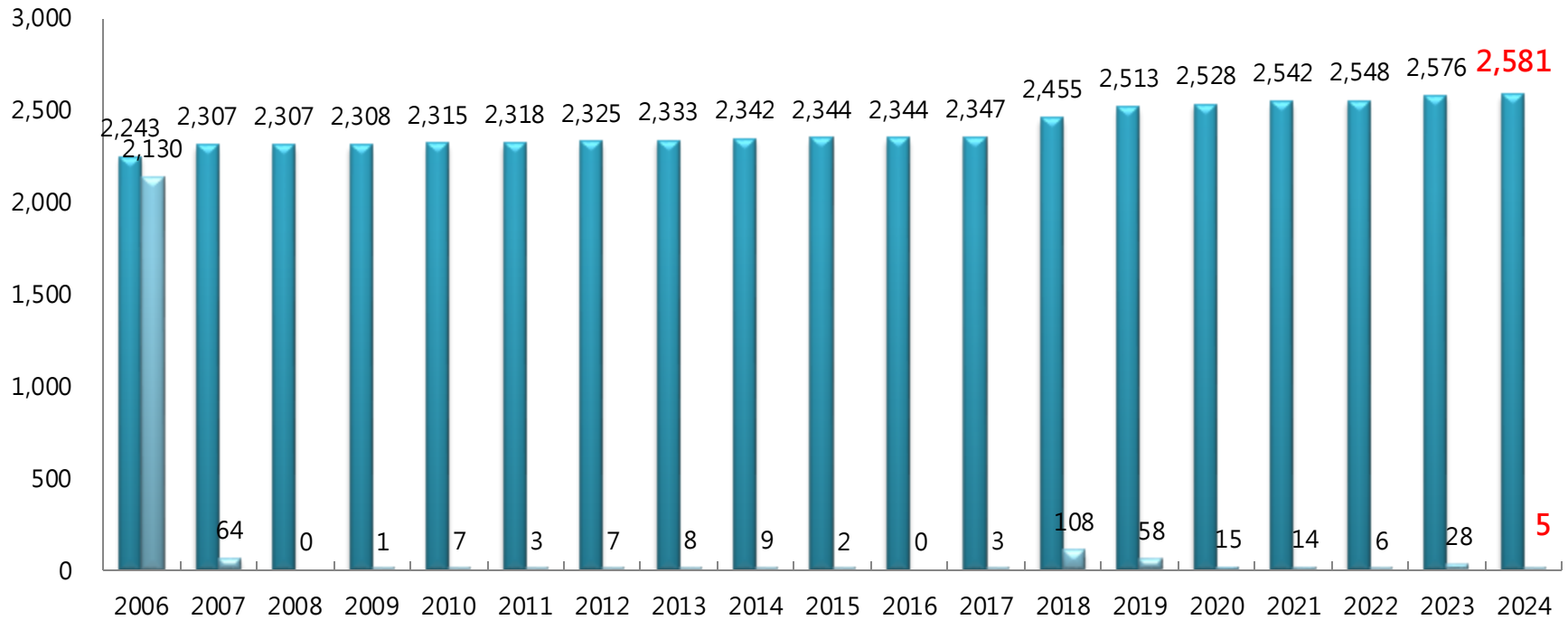
- TWNIC has allocated 132,428 /24s IPv4 addresses.

Unit: /24

IPv6 Address Allocation

- TWNIC has allocated 2,581 /32s IPv6 addresses.
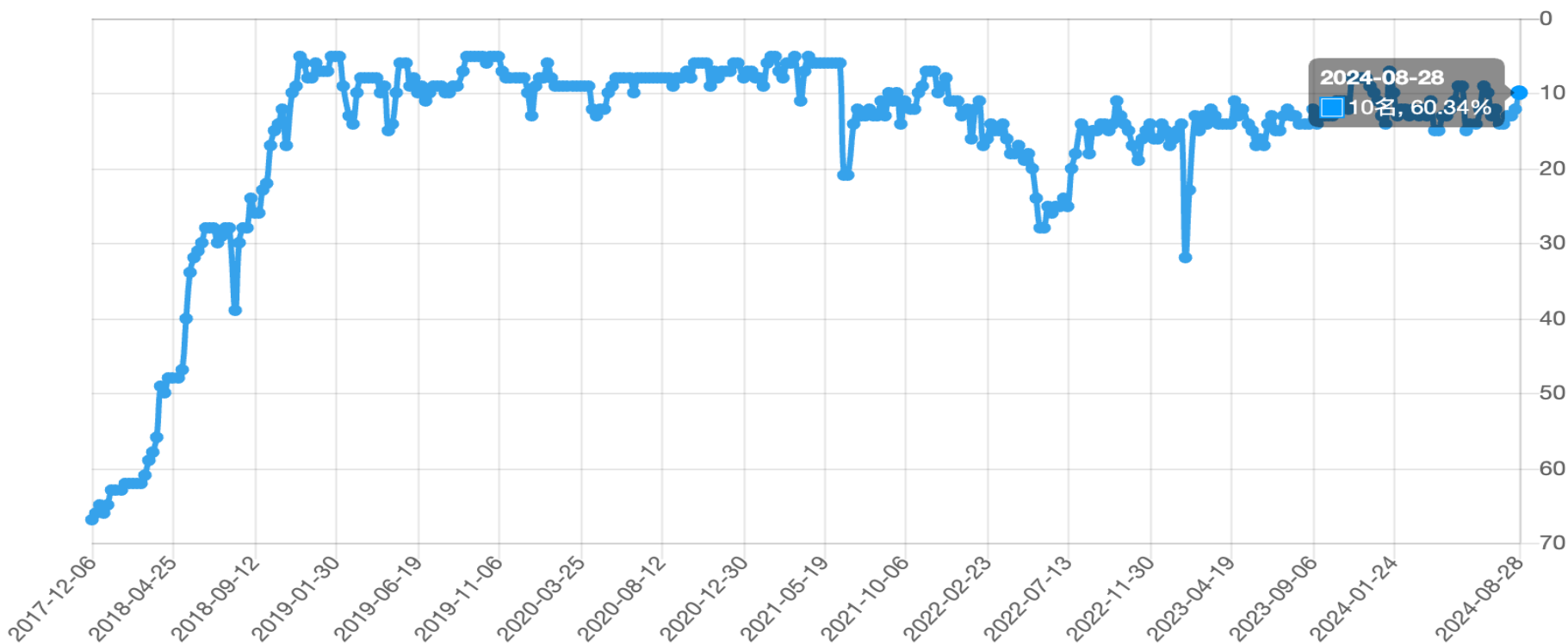- Most of TWNIC IP members have obtained IPv6 addresses.

Unit: /32

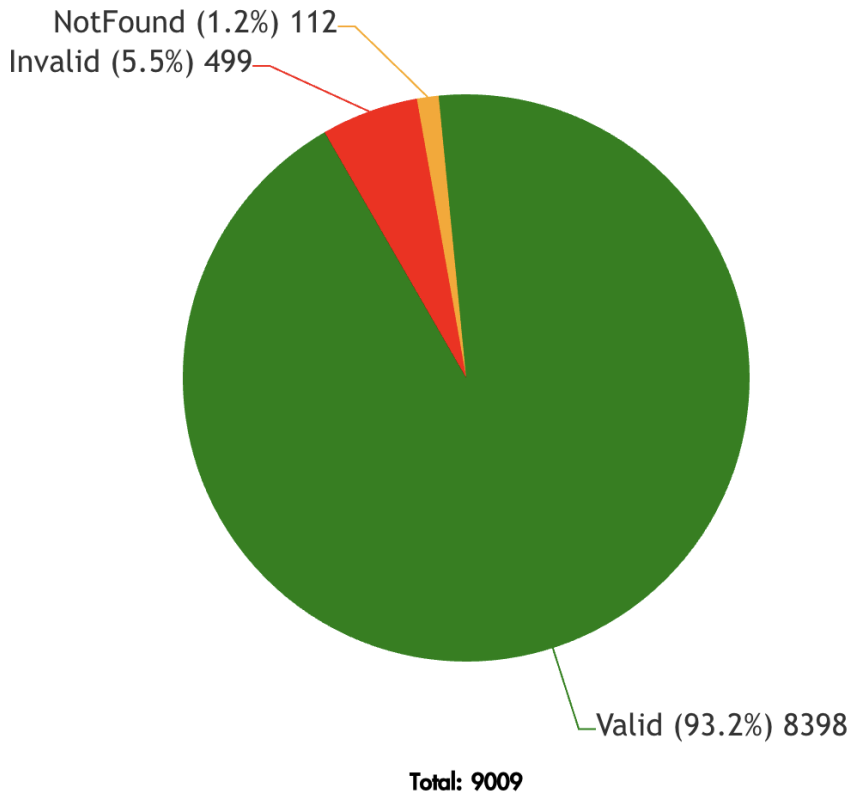| Year	Total	Annual
2006	2,243	2,130
2007	2,307	64
2008	2,307	0
2009	2,308	1
2010	2,315	7
2011	2,318	3
2012	2,325	7
2013	2,333	8
2014	2,342	9
2015	2,344	2
2016	2,344	0
2017	2,347	3
2018	2,455	108
2019	2,513	58
2020	2,528	15
2021	2,542	14
2022	2,548	6
2023	2,576	28
2024	2,581	5

Taiwan IPv6 User Availability

- Taiwan IPv6 user availability is 0.46% in the end of 2017 and 60.34% in August 2024.
- Taiwan IPv6 Global Ranking: 10
- Data derived from APNIC by measuring mean value of IPv6 Capable over the last 7 days.
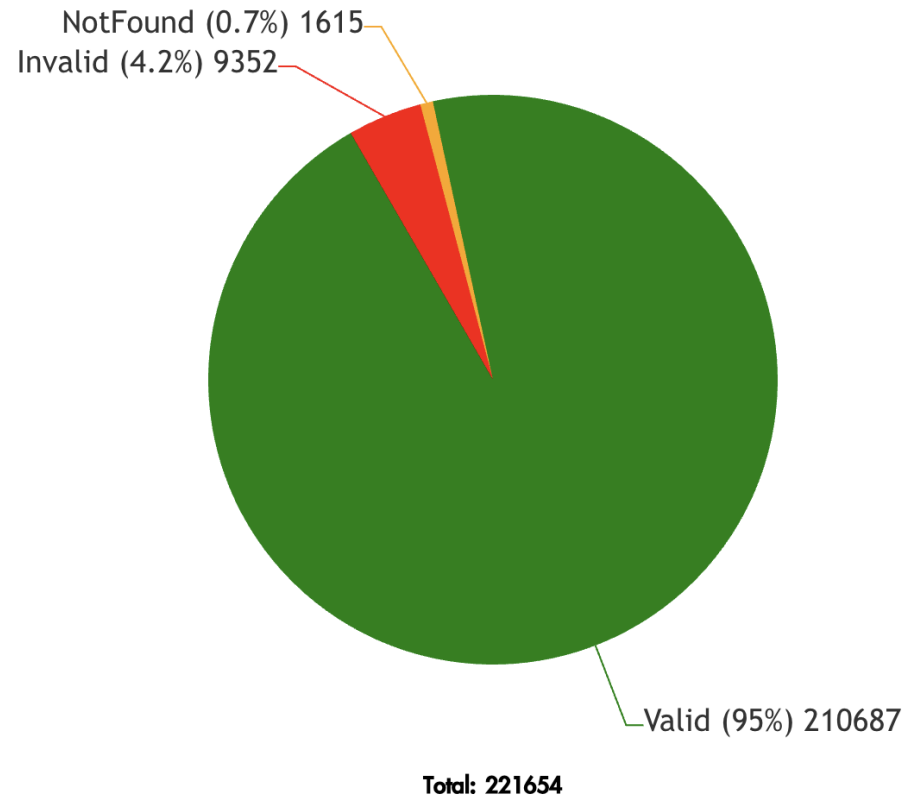

https://ipv6now.twnic.tw/ipv6/index.html

TWNIC RPKI Service

Number of Routing: IPv4 Valid Prefix 93.2%

NotFound (1.2%) 112
Invalid (5.5%) 499
Valid (93.2%) 8398

Total: 9009

Number of Class C: IPv4 Valid Space 95%

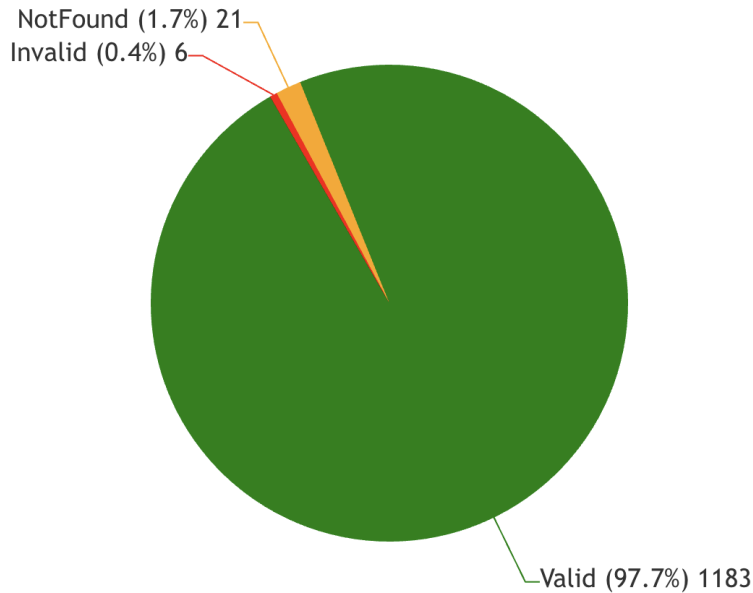NotFound (0.7%) 1615
Invalid (4.2%) 9352
Valid (95%) 210687

Total: 221654

date：2024/8/30

TWNIC RPKI Service

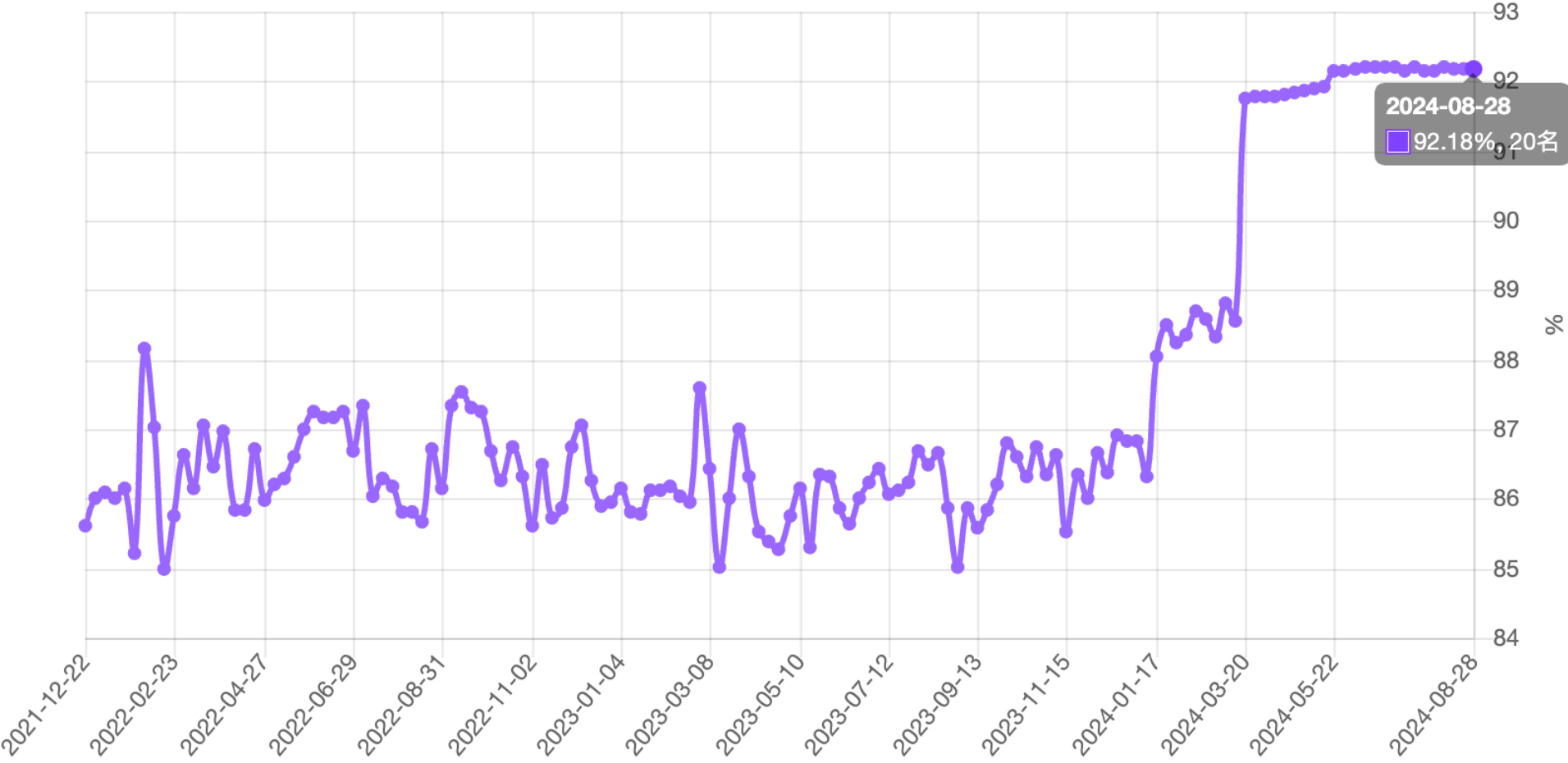| Number of Routing: IPv6 Valid Prefix 97.7% | Number of /64: IPv6 Valid Space 99.5% |

NotFound (1.7%) 21
Invalid (0.4%) 6

Valid (97.7%) 1183

Total: 1210

NotFound (0.3%) 38656212996
Invalid (0%) 4295164416

Valid (99.5%) 10513458202135
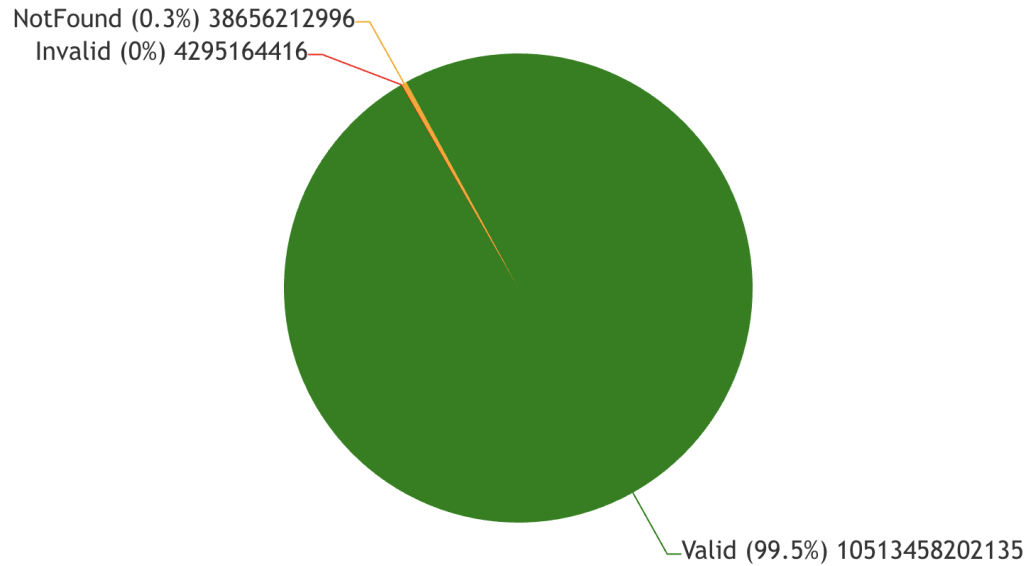
Total: 10556409579547

date：2024/8/30

Taiwan RPKI ROA ratio: 92.18%

2024-08-28
■92.18%, 20名

Taiwan ROV ratio: 73.69%

2024-08-28
73.69%, 18名
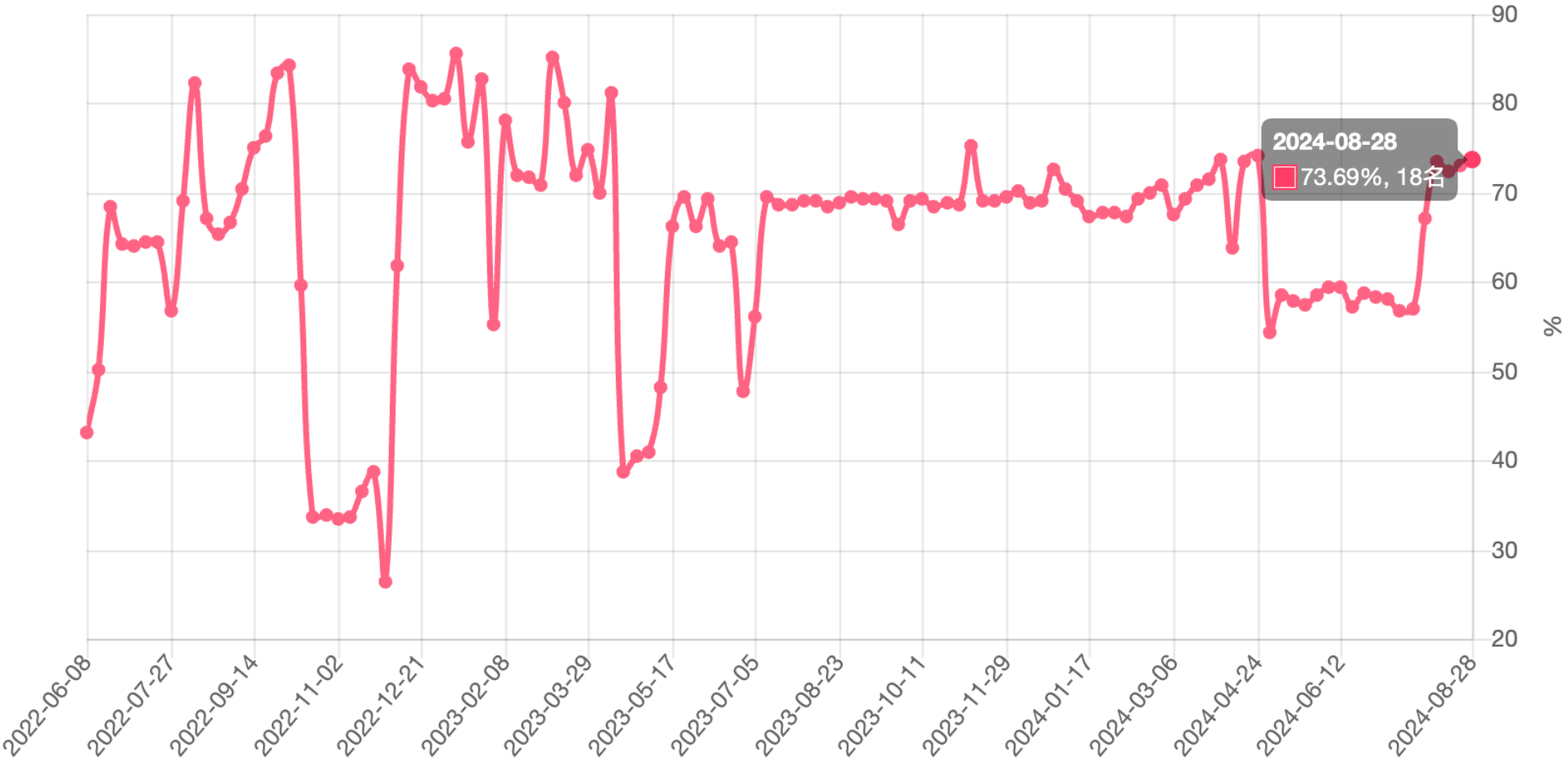
5th ICANN APAC-TWNIC Engagement Forum with 41st TWNIC IP Open Policy Meeting

- Time: April 23-24, 2024
- To see the detail agenda, visit https://forum.twnic.tw/2024/agenda01.htm

- The 42nd TWNIC IP Open Policy Meeting will be held in Taiwan on Oct 23.

APSIG 2024 in Taipei

- Time: August 18-20, 2024
- APSIG fellows are familiar with Internet governance and have participated in national schools or any other activities related to Internet governance.
- There are a total of 26 international fellows and 14 local fellows.

- To see the detail agenda, visit https://www.apsig.asia/apsig-2024-program-agenda/

APrIGF and TWIGF 2024 in Taipei

- Time: August 21-23, 2024
- This conference had a total of 1,060 registrations, with 671 participants attending in person and the rest joining online.

- To see the detail agenda, visit https://aprigf.tw/program/day-0-aug-20-tue/

TWNIC IP Training

- We cooperated with APNIC to hold 2024 TWNIC-APNIC Joint Training(H1).

SN	Location	Date	Mode	Topic	Participant
1	Taipei	6/13-6/15 (3 days)	Onsite	BGP Security and Attack Countermeasures	37

- We held 2 local IP network communication trainings until August this year.

SN	Location	Date	Mode	Topic	Participant
1	Kaohsiung	5/10	Onsite	IPv6 Network Security Protection Technology	46
2	Taipei	8/9	Onsite	IPv6 IoT, SDN and SRv6	50

- We will also be collaborating with APNIC to host a 3-day Network Automation Workshop in November.

Conclusions & Future Works

- TWNIC has 17 new members so far in 2024.
- TWNIC was the local host for the 2024 APSIG, APrIGF, yIGF and successfully completed the meetings.
- Plan to hold 2 IP Open Policy Meeting in 2024.
- Execute abuse contact validation every half year.
- We will continually hold the IPv6 training and activities.
- We encourage and help Taiwan ISPs and service providers to manage ROAs to increase the ROA coverage.

Thank you