

TWNIC Policy Update

TWNIC

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2025/4/23

Outline



STATISTICS OF TWNIC

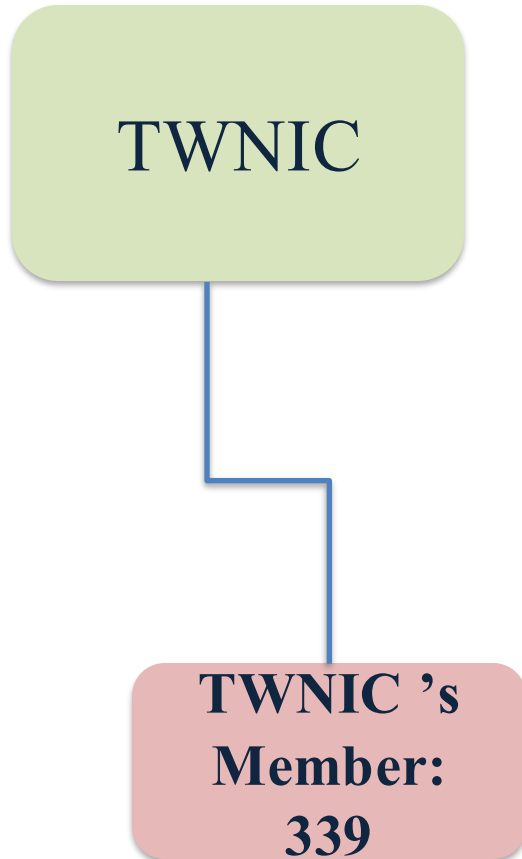


TWNIC'S ACTIVITIES
AND TRAINING
PROGRAMS



TWNIC POLICY
UPDATE

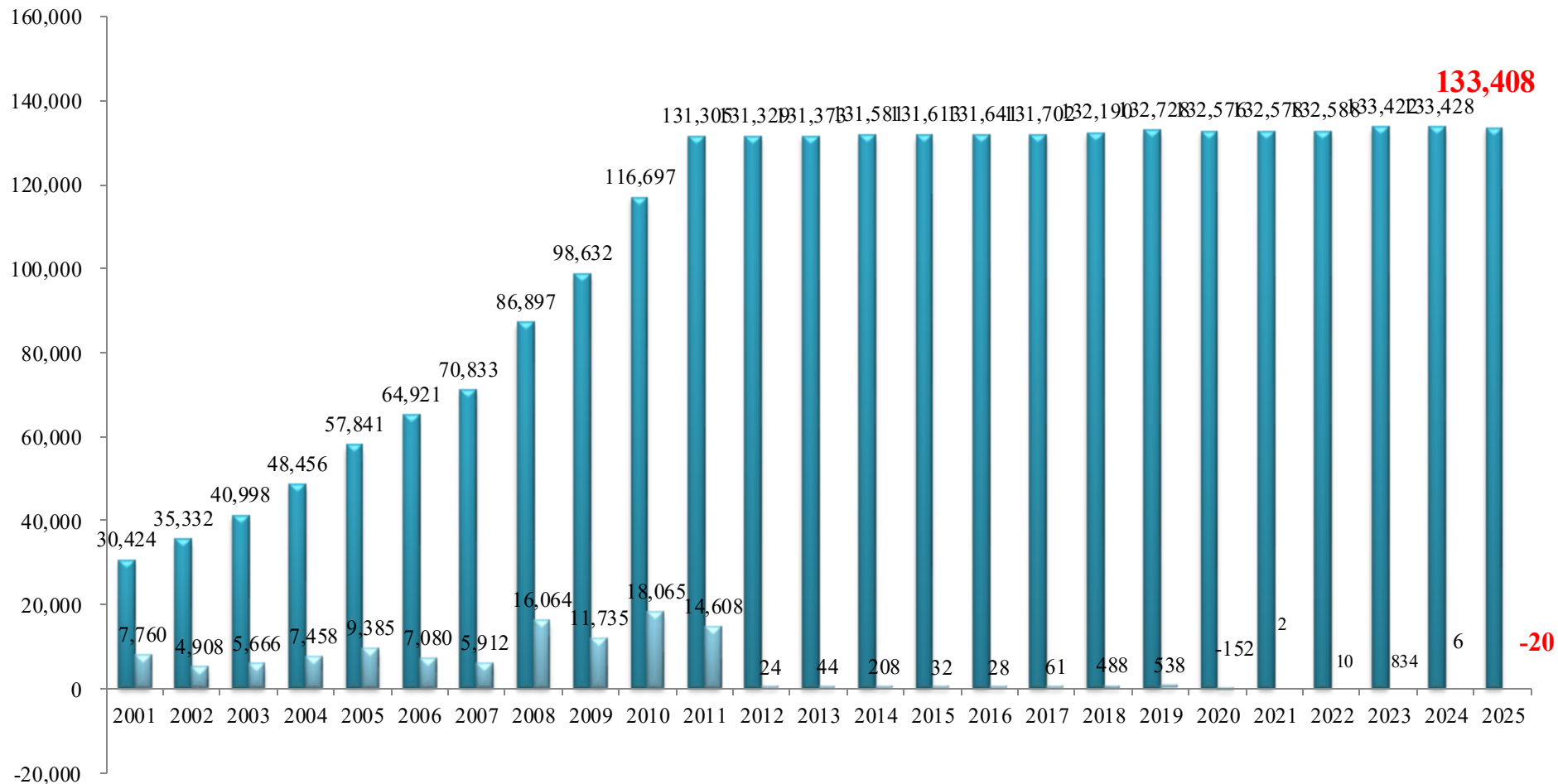
Statistics of TWNIC's IP members



IPv4 Address Allocation

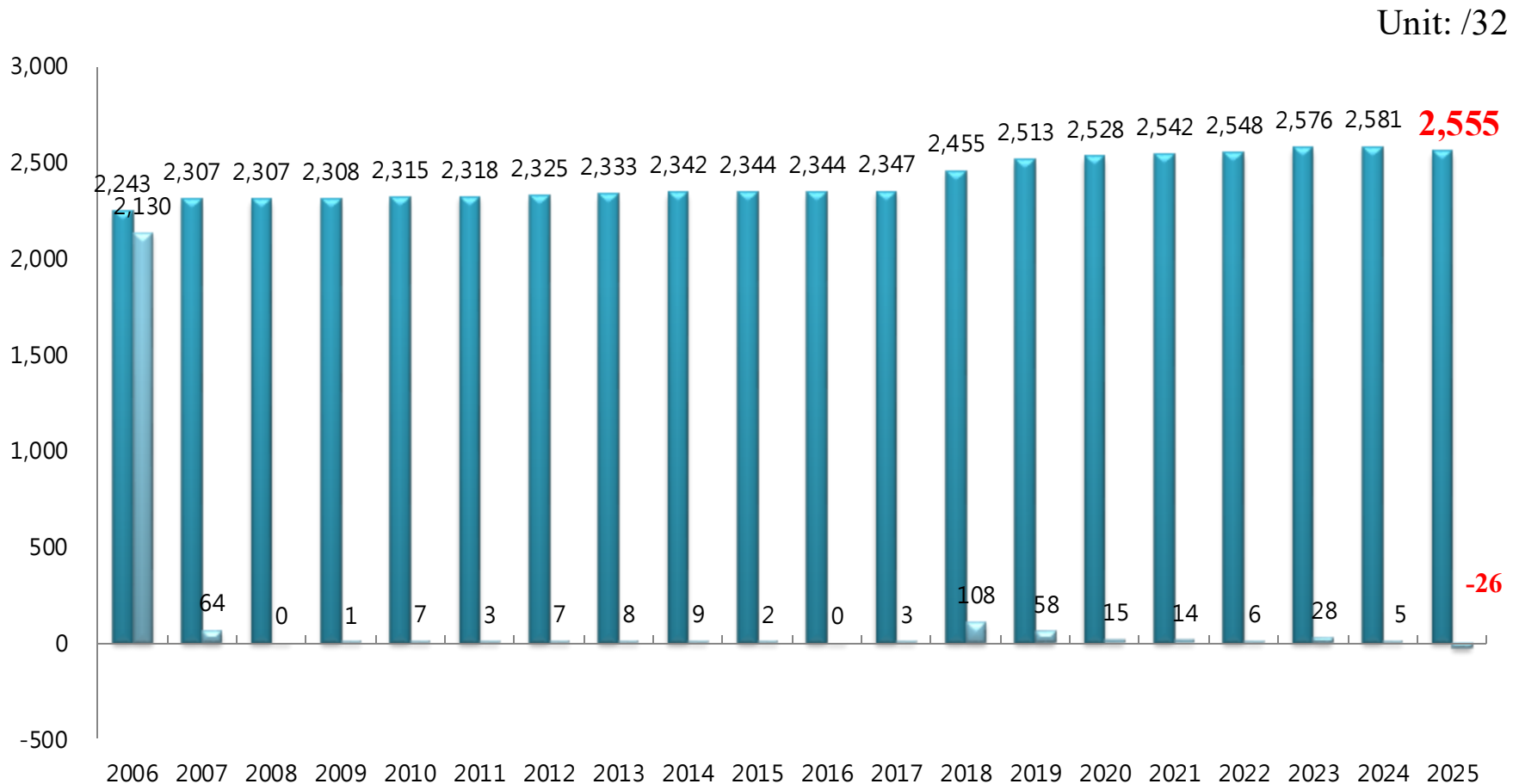
- TWNIC has allocated 132,408 /24s IPv4 addresses.

Unit: /24



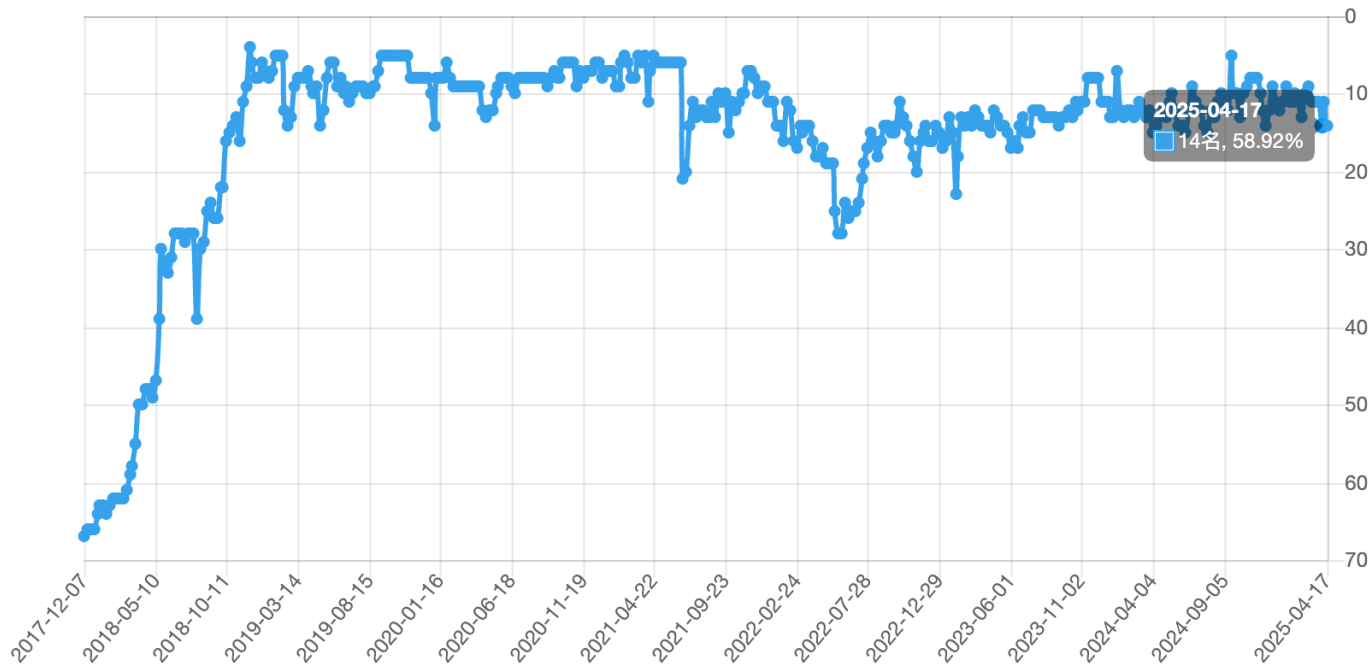
IPv6 Address Allocation

- TWNIC has allocated 2,555 /32s IPv6 addresses.



Taiwan IPv6 User Availability

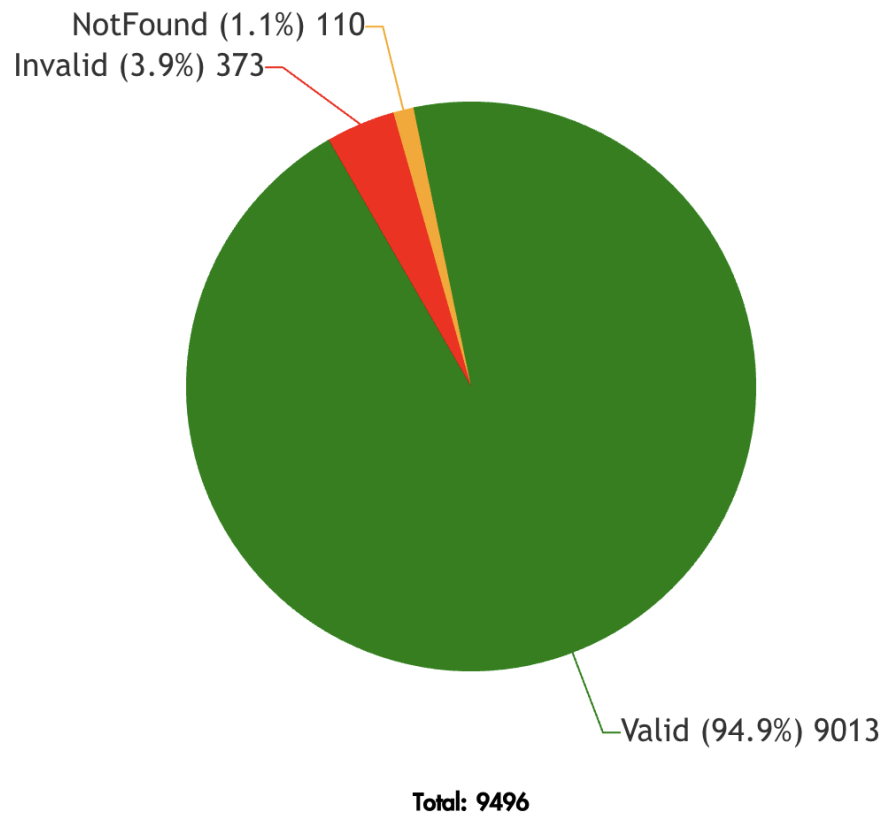
- Taiwan IPv6 user availability is 0.46% in the end of 2017 and 58.92% in April 17 2025.
- Taiwan IPv6 Global Ranking: 14
- Data derived from APNIC by measuring mean value of IPv6 Capable over the last 7 days.



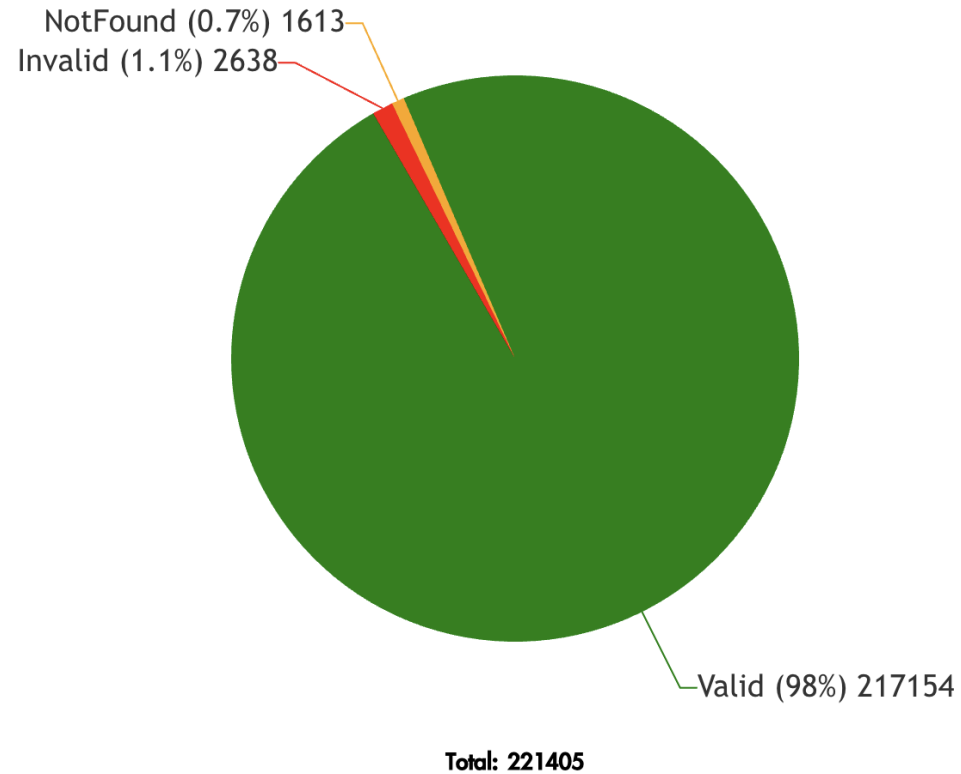
TWNIC RPKI Service



Number of Routing: IPv4 Valid Prefix 94.9%



Number of Class C: IPv4 Valid Space 98%

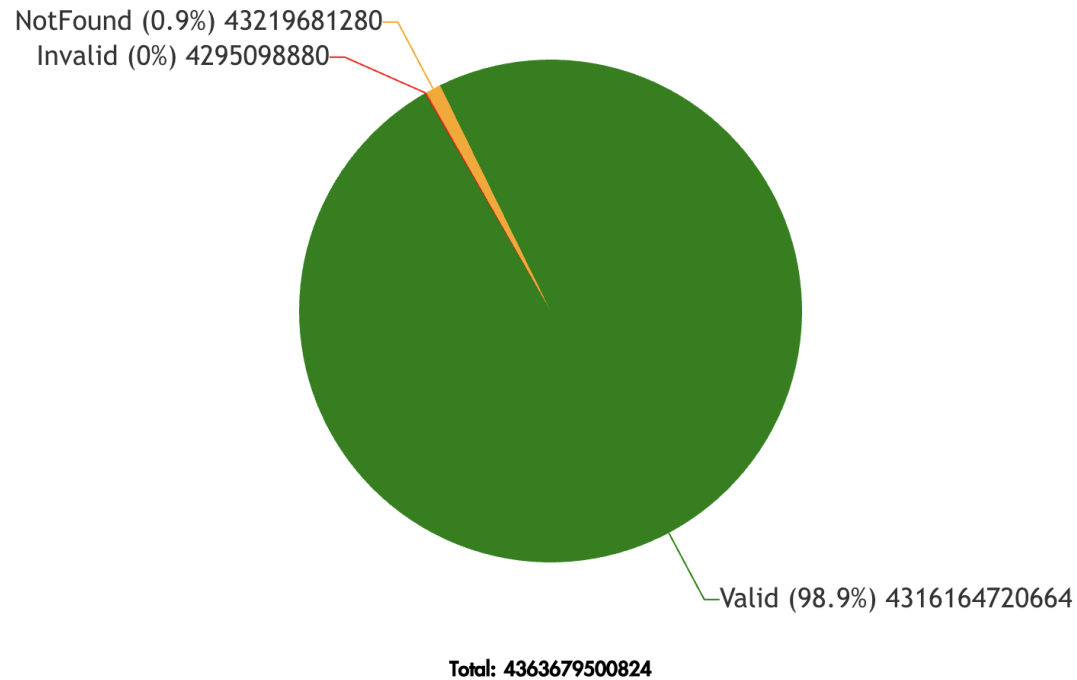
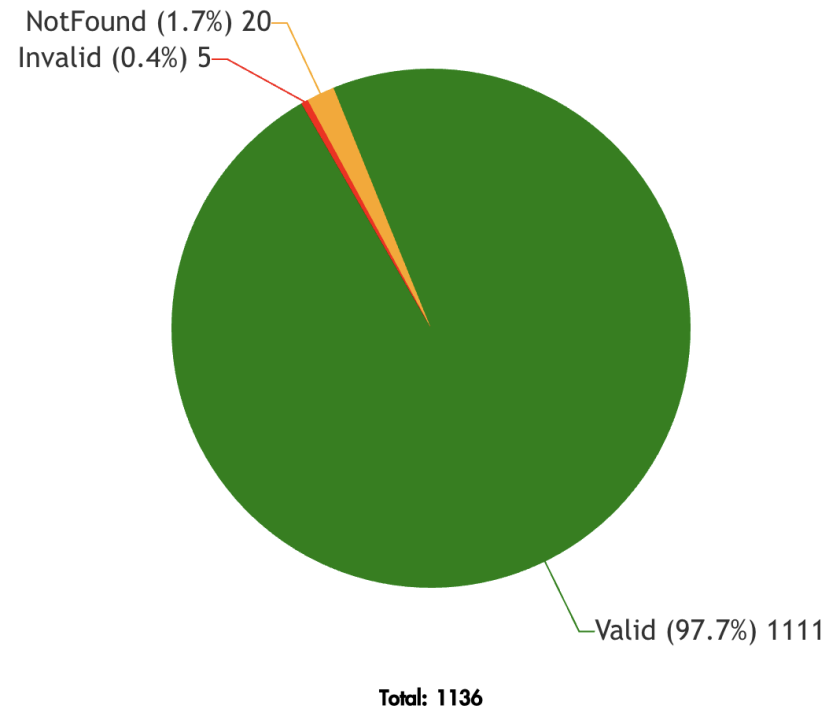


date: 2025/4/18

TWNIC RPKI Service

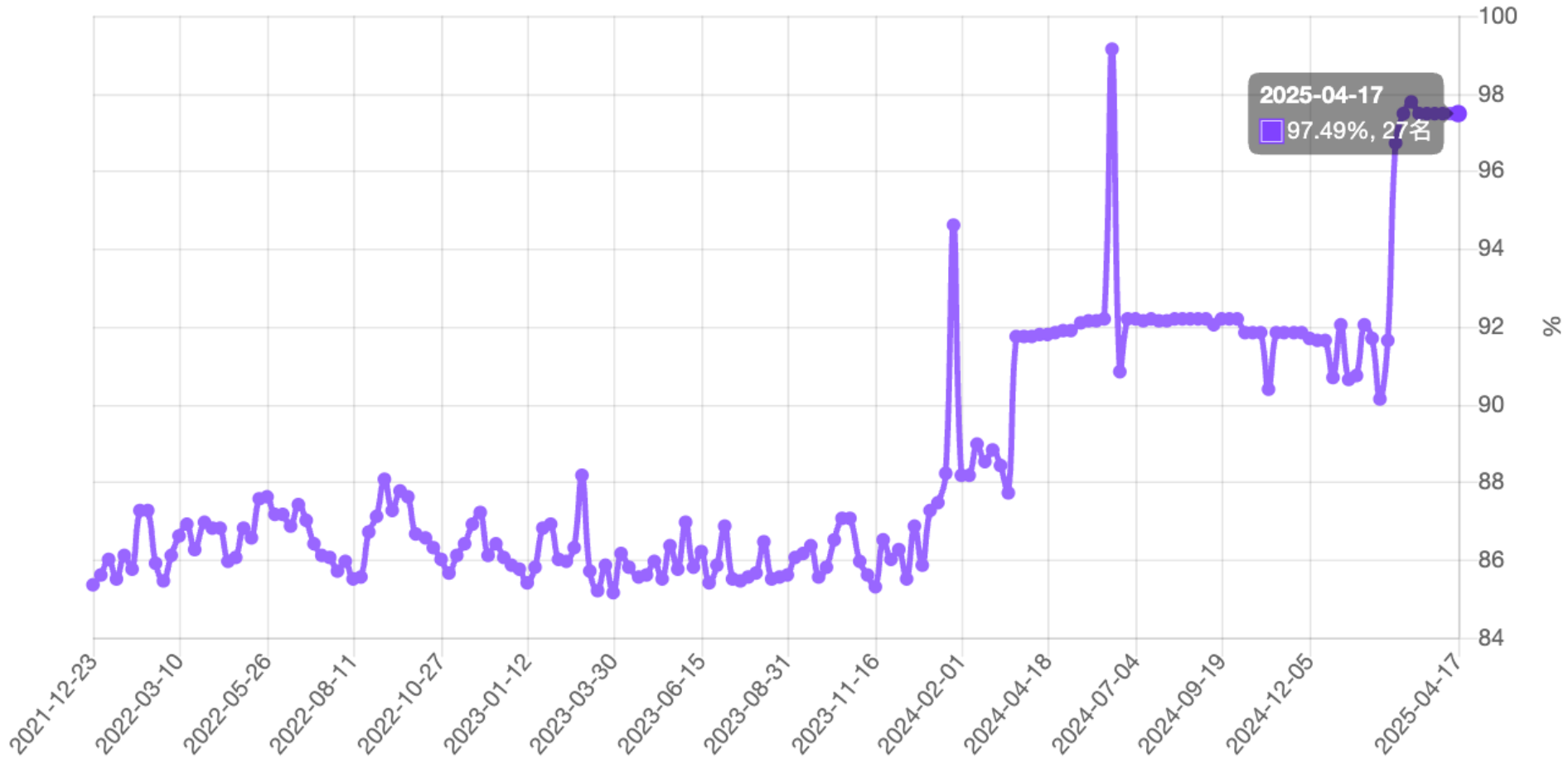
Number of Routing: IPv6 Valid Prefix 97.7%

Number of /64: IPv6 Valid Space 98.9%



date: 2025/4/18

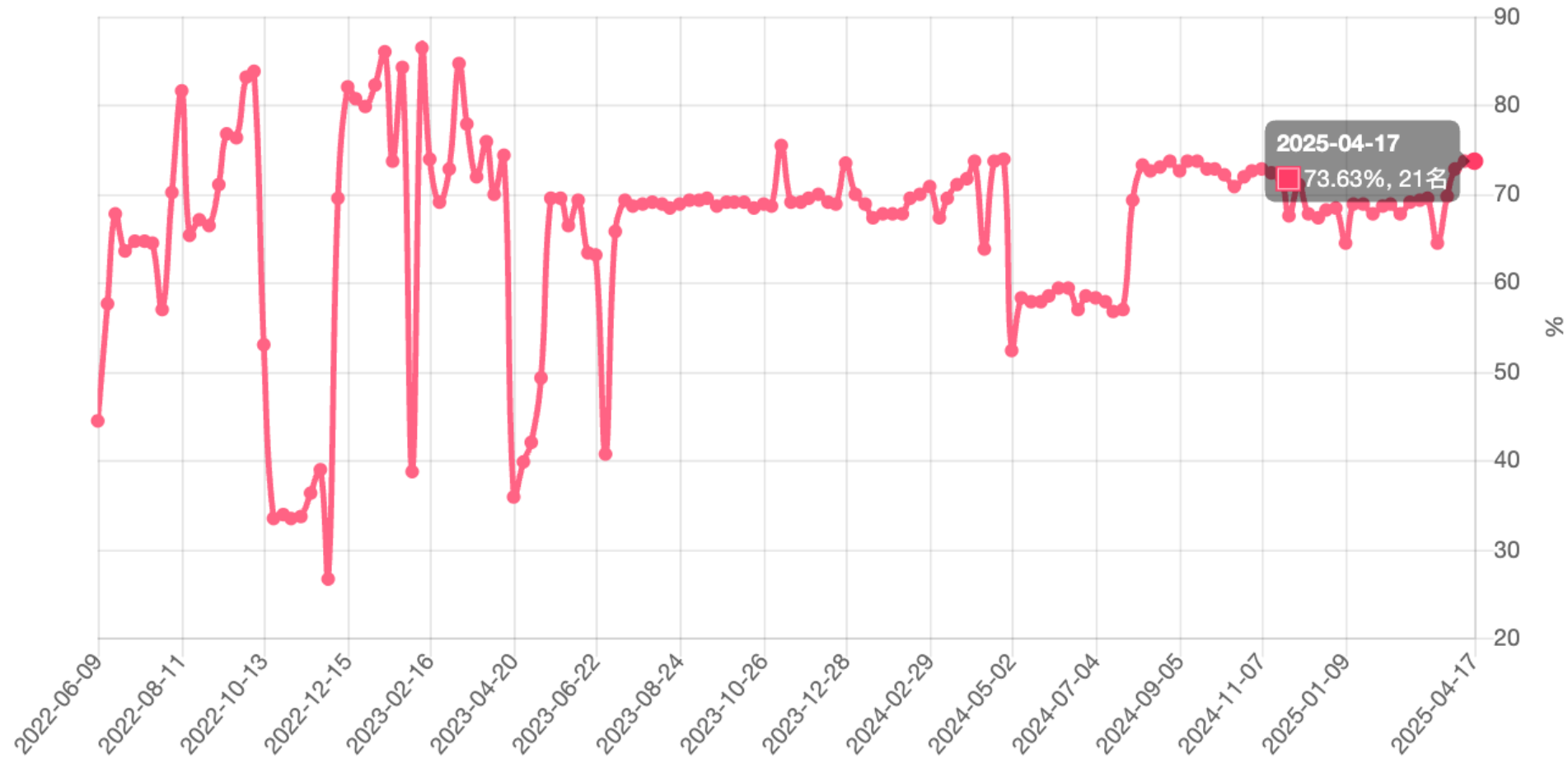
Taiwan RPKI ROA ratio: 97.49%



2025-04-17
97.49%, 27名

%

Taiwan ROV ratio: 73.63%



Data source: RIPE NCC

<https://lirportal.ripe.net/certification/content/static/statistics/world-roas.html>

42nd TWNIC IP Open Policy Meeting



- Time: Oct. 23, 2024
- Keynote speech:
 - **Internet Security / A Solid Foundation for Sustainable Internet Development**
Che-Hoo Cheng, Senior Director, Development, APNIC
 - **PH Internet Security, Community Perspectives**
Vincent “Achie” Atienza, peering, interconnection and strategy, Globe Telecom
- Session topics include Cooperation SIG, Policy SIG, IPv6 Deployment SIG and Operational Technology SIG.
- To see the detail agenda, visit <https://opm.twnic.tw/>

Abuse Contacts Validation(2024)

- We have finished 2 abuse contacts validation in 2024.
- There are 273 members(83.5%) finished the validation process on 2nd half 2024.

Execution Time	Total	Finished within 15 days	Finished within 30 days	Total Finished	Unfinished
2024/06/04 10:45:00	324	143	147	242	82
2023/11/24 08:36:00	327	181	234	273	54

IP Training

- We cooperated with APNIC to hold 2024 TWNIC-APNIC Joint Training(H1&H2).

SN	Location	Date	Mode	Topic	Participant
1	Taipei	6/13-6/15	Onsite	BGP Security and Attack Countermeasures	37
	Taipei	11/26-11/28	Onsite	Network Automation Workshop	23

- We held 4 local IP network communication trainings last year.

SN	Location	Date	Mode	Topic	Participant
1	Kaohsiung	5/10	Onsite	IPv6 Network Security Protection Technology	46
2	Taipei	8/09	Onsite	IPv6 IoT, SDN and SRv6	50
3	Yunlin	9/13	Onsite	IPv6 Upgrade and BYOIP for Cloud Migration	24
4	Tainan	12/05	Onsite	IPv6 Network Security Protection Technology	38

TWNIC IP網路通訊人才培訓教育訓練

- **2025 課程主題：**
 - IPv6系統與網站升級暨雲端平台運用
 - IPv6網路安全防護技術
 - IPv6網路升級佈署與新技術融合演進
- **課程對象：**對IP網路技術有興趣之人
- **報名網頁：** https://training.twnic.tw/ipv6_114/
- **南部第1場：**
 - 時間：5月2日(週五)9:00-17:00
 - 課程：**IPv6系統與網站升級暨雲端平台運用**
 - 地點：國立高雄科技大學管理學院(第一校區)電腦教室C220 (高雄市燕巢區大學路1號)

2025年TWNIC IP收費公式參數公告

公告日期：2024年10月3日

113 年 10 月 03 日第 103 次TWNIC「IP位址及網路協定委員會」決議，依據TWNIC「IP發放管理收費辦法」，通過確認2025年TWNIC IP會員IP收費公式參數之內容訂定如下：

- 1.由於2024年8月31日台灣銀行網站澳幣兌新台幣匯率為 20.72，匯率漲跌幅未逾基準匯率之10%，2025年匯率因子(Currency Factor)維持為1。
- 2.2025年1月1日起，IPv4及IPv6之基本費(Base Fee)皆調漲4.75%，2025年IPv4之基本費(Base Fee)調整為新臺幣19,990元，IPv6之基本費(Base Fee)調整為新臺幣15,260元。
3. 位元因子(Bit Factor)自2025年1月1日起，為1.315。

IP會員收費金額，可使用IP會員年費計算器進行試算，計算器之2025年IP收費公式參數，已於2024年12月31日更新。

TWNIC會員參與APNIC政策提案討論

- APNIC會議前
 - 舉辦線上會議討論本次會議的Policy Proposal，邀請TWNIC會員一同參與並提供寶貴意見
 - 召開IP委員會討論本次會議的Policy Proposal並將會員意見納入討論得到共識
- APNIC會議後
 - 於下次TWNIC OPM會議中與會員分享APNIC會議中相關資訊及政策

Thank you