Asia Pacific RPKI Update

Sheryl (Shane) Hermoso

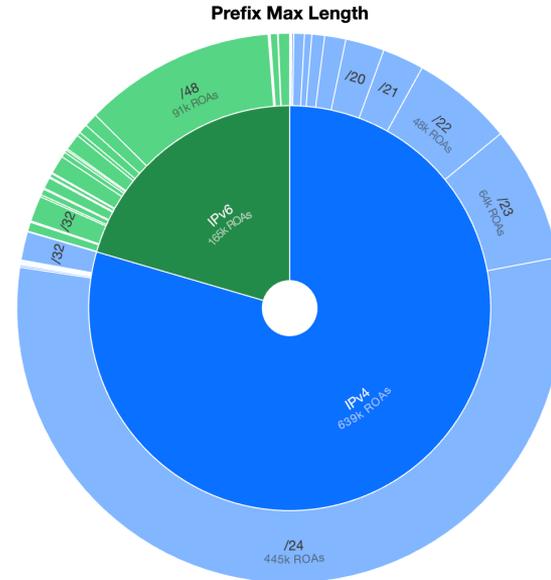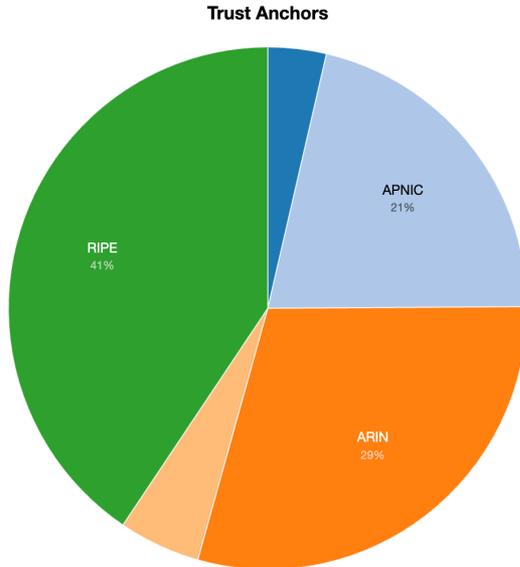APNIC

APRICOT 2026
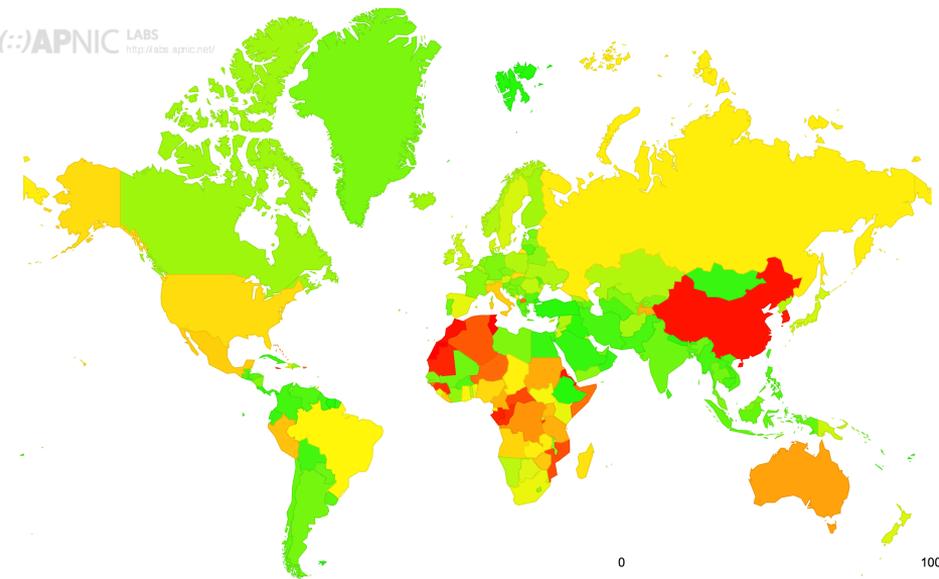APNIC 61

ROA Coverage

RPKI ROA Adoption

Found **803,735** ROAs in the global RPKI system.

Trust Anchors

- APNIC 21%
- ARIN 29%
- RIPE 41%

Prefix Max Length

- IPv4 639k ROAs
- IPv6 165k ROAs
- /24 445k ROAs
- /48 91k ROAs
- /32
- /20
- /21
- /22 48k ROAs
- /23 64k ROAs
- /32

https://rpki.cloudflare.com/?view=statistics

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RPKI ROA – Global Snapshot (IPv4)

Region / RIR	Valid	Not-found	Invalid	Change since Feb 2025
Global	60.3%	37.7%	2.0%	Up by ~6%
AFRINIC	56.6%	41.4%	2.0%	Up by ~18%
APNIC	55.5%	43.9%	0.6%	Up by ~3%
ARIN	52.5%	46.6%	0.9%	Up by ~10%
LACNIC	66.6%	33.1%	0.3%	Up by ~5%
RIPE NCC	74.1%	20.6%	5.3%	Up by ~2%

https://stats.labs.apnic.net/roa

https://rpki-monitor.antd.nist.gov/ROV

RPKI ROA – Global Snapshot (IPv6)
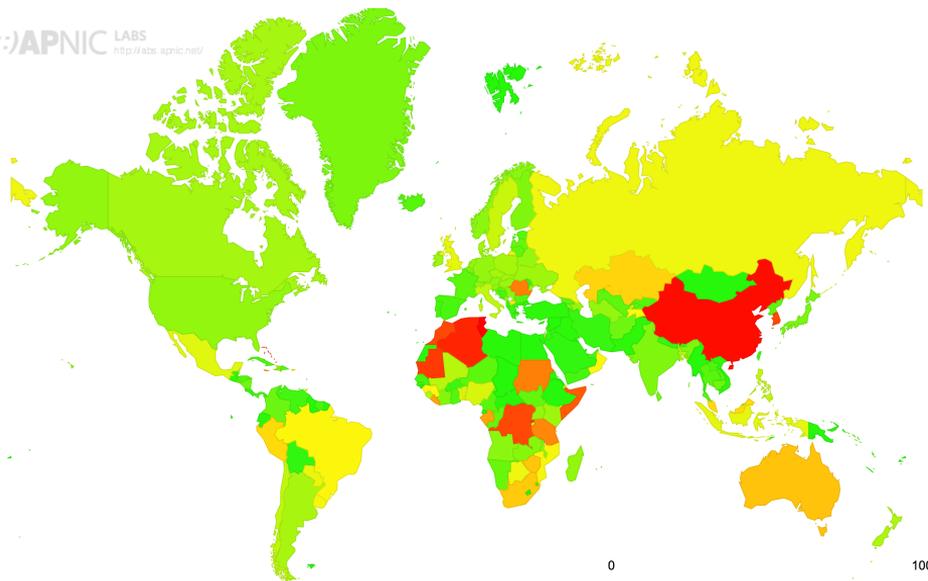
Region / RIR	Valid	Not-found	Invalid	Change in Valid ROAs since Feb 2025
Global	60.9%	36.1%	3.0%	UP by ~7%
AFRINIC	48.8%	49.8%	1.4%	UP by ~4%
APNIC	45.2%	51.4%	3.4%	UP by ~7%
ARIN	71.9%	25.6%	2.5%	UP by ~16%
LACNIC	59.3%	38.4%	2.3%	UP by ~4%
RIPE NCC	81.5%	15.1%	3.4%	UP by ~5%

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https://rpki-monitor.antd.nist.gov/ROV

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RPKI ROA – APAC Snapshot (IPv4)

Region / RIR	Valid	Not-found	Invalid	Change in Valid ROAs since Feb 2025
Oceania	73.6%	26.3%	0.2%	UP by ~3%
East Asia	31.0%	68.4%	0.6%	UP by ~2%
South Asia	89.9%	9.8%	0.3%	UP by ~1%
Southeast Asia	92.4%	7.2%	0.4%	UP by ~12%

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RPKI ROA – APAC Snapshot (IPv6)

| Region / RIR	Valid	Not-found	Invalid	Change in Valid ROAs since Feb 2025
Oceania	97.1%	0.1%	2.8%	Unchanged
East Asia	21.9%	0.0%	78.1%	DOWN by ~5%
South Asia	96.6%	1.2%	2.2%	Unchanged
Southeast Asia	78.7%	0.2%	21.1%	UP by ~5%

https://stats.labs.apnic.net/roa

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ROA Adoption – Global

RPKI-ROV History of Unique Prefix-Origin Pairs (IPv4)

RPKI-ROV History of Unique Prefix-Origin Pairs (IPv6)

https://rpki-monitor.antd.nist.gov/ROV
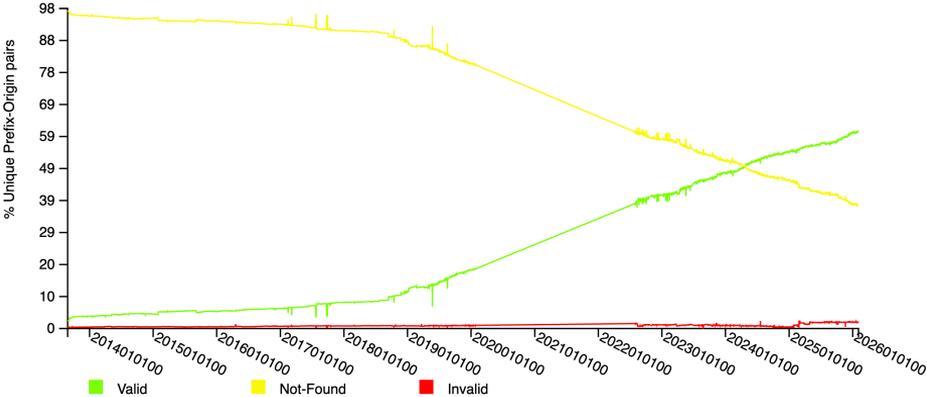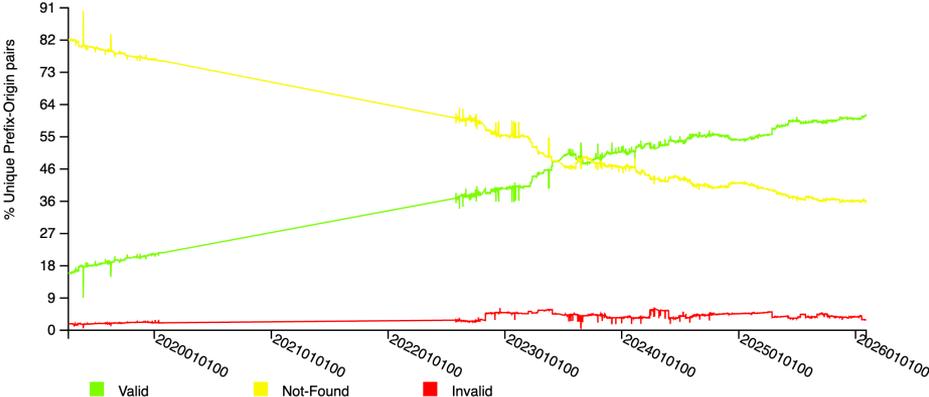
ROA Adoption – APAC
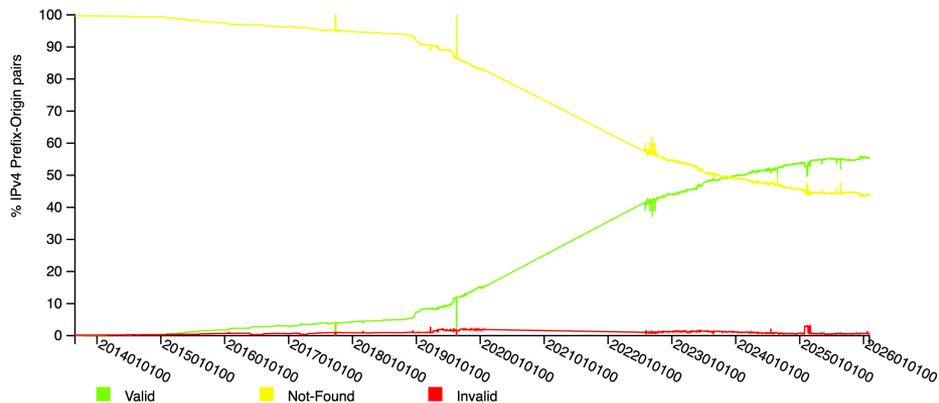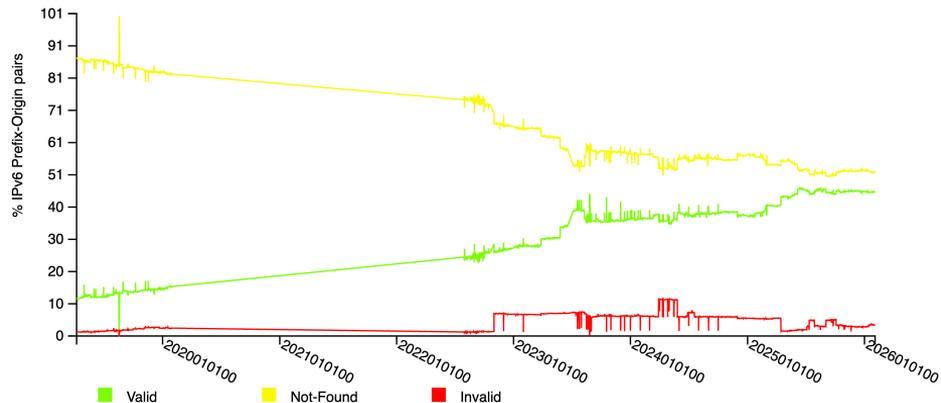

RPKI-ROV History of Unique Prefix-Origin Pairs in APNIC (IPv4)

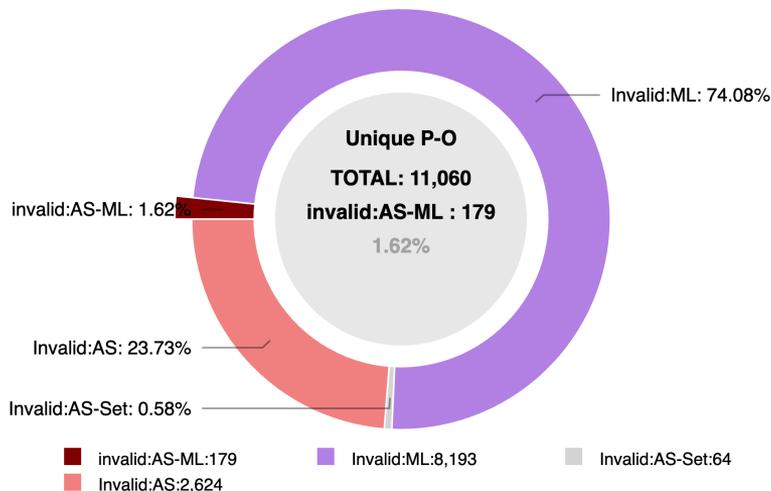RPKI-ROV History of Unique Prefix-Origin Pairs in APNIC (IPv6)

https://rpki-monitor.antd.nist.gov/ROV

ROA Adoption – Global INVALIDs (IPv4)

Feb 2025

Feb 2026

Prefix-Origin Pairs Invalid by RPKI-ROV (IPv4)

Invalid:ML: 74.08%

Unique P-O
TOTAL: 11,060
invalid:AS-ML : 179
1.62%

invalid:AS-ML: 1.62%

Invalid:AS: 23.73%

Invalid:AS-Set: 0.58%

- invalid:AS-ML:179
- Invalid:AS:2,624
- Invalid:ML:8,193
- Invalid:AS-Set:64

Prefix-Origin Pairs Invalid by RPKI-ROV (IPv4)

Invalid:ML: 35.81%

Invalid:AS-Set: 0.29%

Unique P-O
TOTAL: 23,554
invalid:AS-ML : 560
2.38%

invalid:AS-ML: 2.38%

Invalid:AS: 61.52%

- invalid:AS-ML:560
- Invalid:AS:14,490
- Invalid:ML:8,435
- Invalid:AS-Set:69

https://rpki-monitor.antd.nist.gov/Inv

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ROA Adoption – Global INVALIDs (IPv6)

Feb 2025

Feb 2026

Prefix-Origin Pairs Invalid by RPKI-ROV (IPv6)

Invalid:ML: 56.95%

Unique P-O
TOTAL: 12,623
invalid:AS-ML : 134
1.06%

invalid:AS-ML: 1.06%

Invalid:AS-Set: 0.12%

Invalid:AS: 41.87%

- ■ invalid:AS-ML:134
- ■ Invalid:AS:5,285
- ■ Invalid:ML:7,189
- ■ Invalid:AS-Set:15

Prefix-Origin Pairs Invalid by RPKI-ROV (IPv6)

Invalid:ML: 52.28%

Unique P-O
TOTAL: 8,504
invalid:AS-ML : 280
3.29%

invalid:AS-ML: 3.29%

Invalid:AS-Set: 0.20%

Invalid:AS: 44.23%

- ■ invalid:AS-ML:280
- ■ Invalid:AS:3,761
- ■ Invalid:ML:4,446
- ■ Invalid:AS-Set:17

https://rpki-monitor.antd.nist.gov/Inv

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ROA Adoption – APAC INVALIDs (IPv4)

Feb 2025

Prefix-Origin Pairs Invalid by RPKI-ROV in APNIC (IPv4)
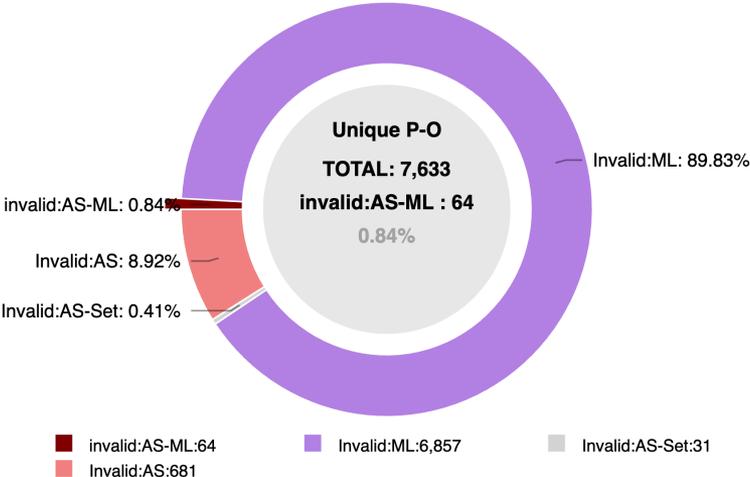
Invalid:ML: 89.83%

invalid:AS-ML: 0.84%

Invalid:AS: 8.92%

Invalid:AS-Set: 0.41%

Unique P-O
TOTAL: 7,633
invalid:AS-ML : 64
0.84%

■ invalid:AS-ML:64   ■ Invalid:ML:6,857   ■ Invalid:AS-Set:31
■ Invalid:AS:681

Feb 2026

Prefix-Origin Pairs Invalid by RPKI-ROV in APNIC (IPv4)

Invalid:ML: 37.42%

invalid:AS-ML: 8.85%

Invalid:AS-Set: 1.74%

Invalid:AS: 51.99%

Unique P-O
TOTAL: 1,785
invalid:AS-ML : 158
8.85%

■ invalid:AS-ML:158   ■ Invalid:ML:668   ■ Invalid:AS-Set:31
■ Invalid:AS:928

#apricot2026   https://rpki-monitor.antd.nist.gov/Inv
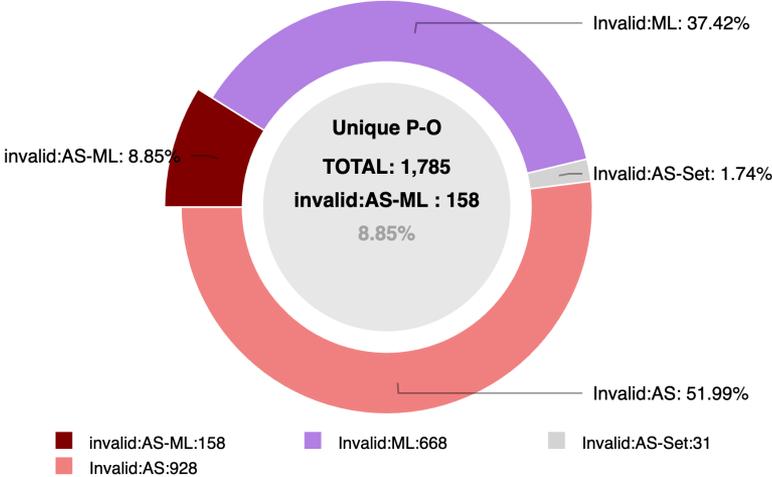
ROA Adoption – APAC INVALIDs (IPv6)

Feb 2025

Prefix-Origin Pairs Invalid by RPKI-ROV in APNIC (IPv6)
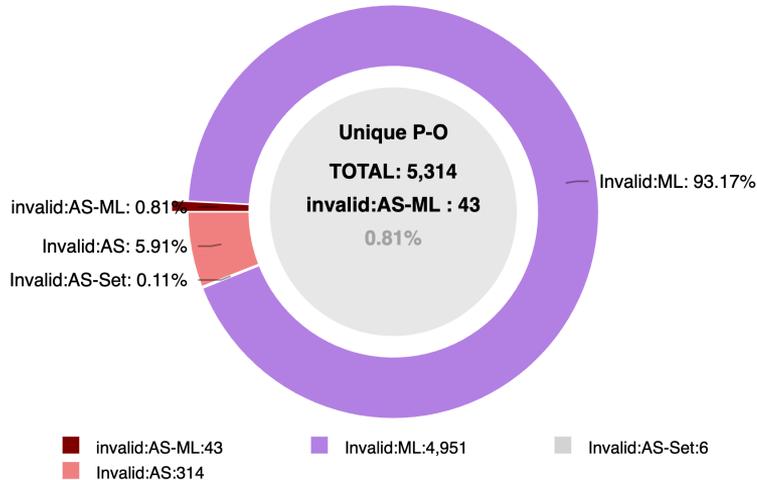
Unique P-O
TOTAL: 5,314
invalid:AS-ML : 43
0.81%

Invalid:ML: 93.17%
invalid:AS-ML: 0.81%
Invalid:AS: 5.91%
Invalid:AS-Set: 0.11%

- invalid:AS-ML:43
- Invalid:ML:4,951
- Invalid:AS-Set:6
- Invalid:AS:314

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Prefix-Origin Pairs Invalid by RPKI-ROV in APNIC (IPv6)

Unique P-O
TOTAL: 3,703
invalid:AS-ML : 89
2.40%

Invalid:ML: 70.35%
invalid:AS-ML: 2.40%
Invalid:AS: 27.14%
Invalid:AS-Set: 0.11%

- invalid:AS-ML:89
- Invalid:ML:2,605
- Invalid:AS-Set:4
- Invalid:AS:1,005

https://rpki-monitor.antd.nist.gov/Inv

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IPv4 ROA – APAC Top 20

IPv4 Valid ROA

https://stats.labs.apnic.net/roa

IPv6 ROA – APAC Top 20

IPv6 Valid ROA

https://stats.labs.apnic.net/roa
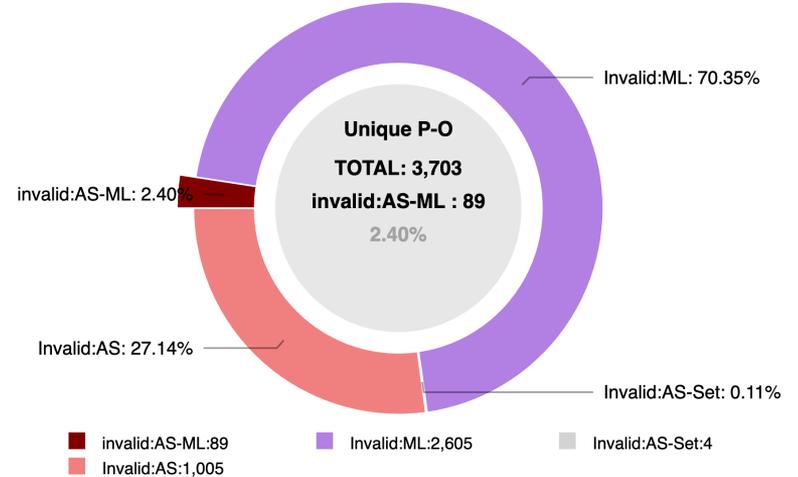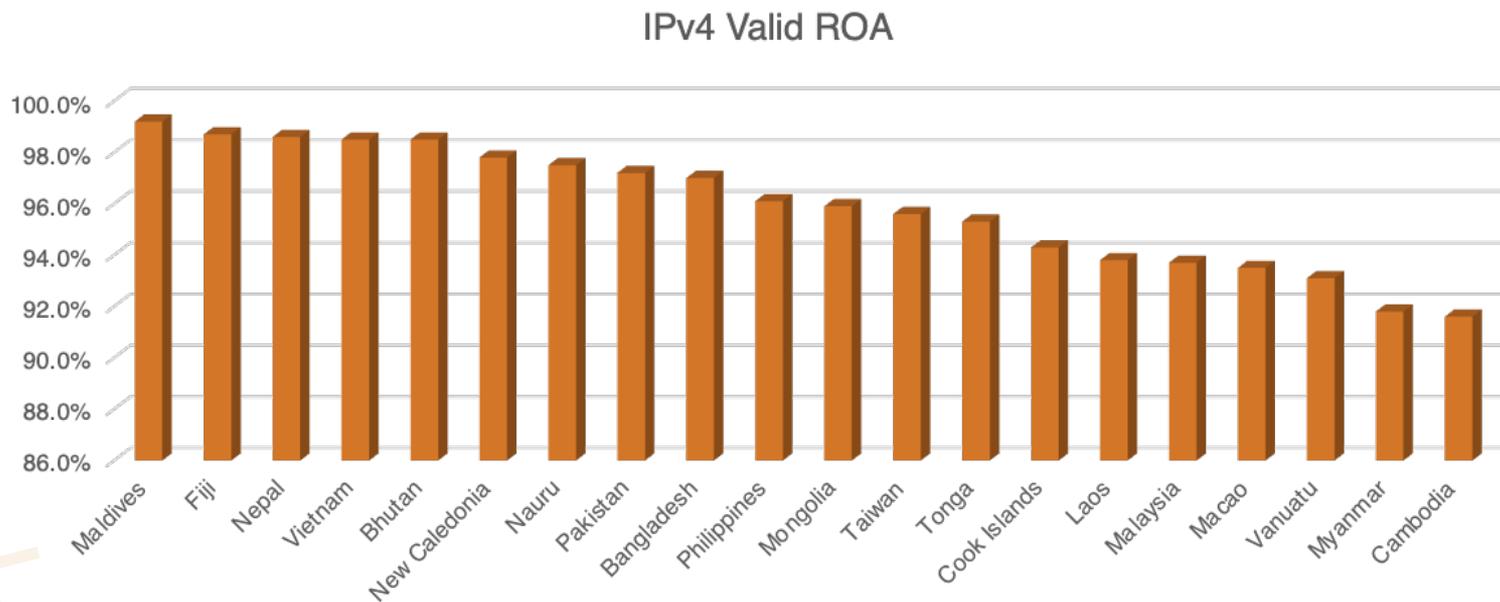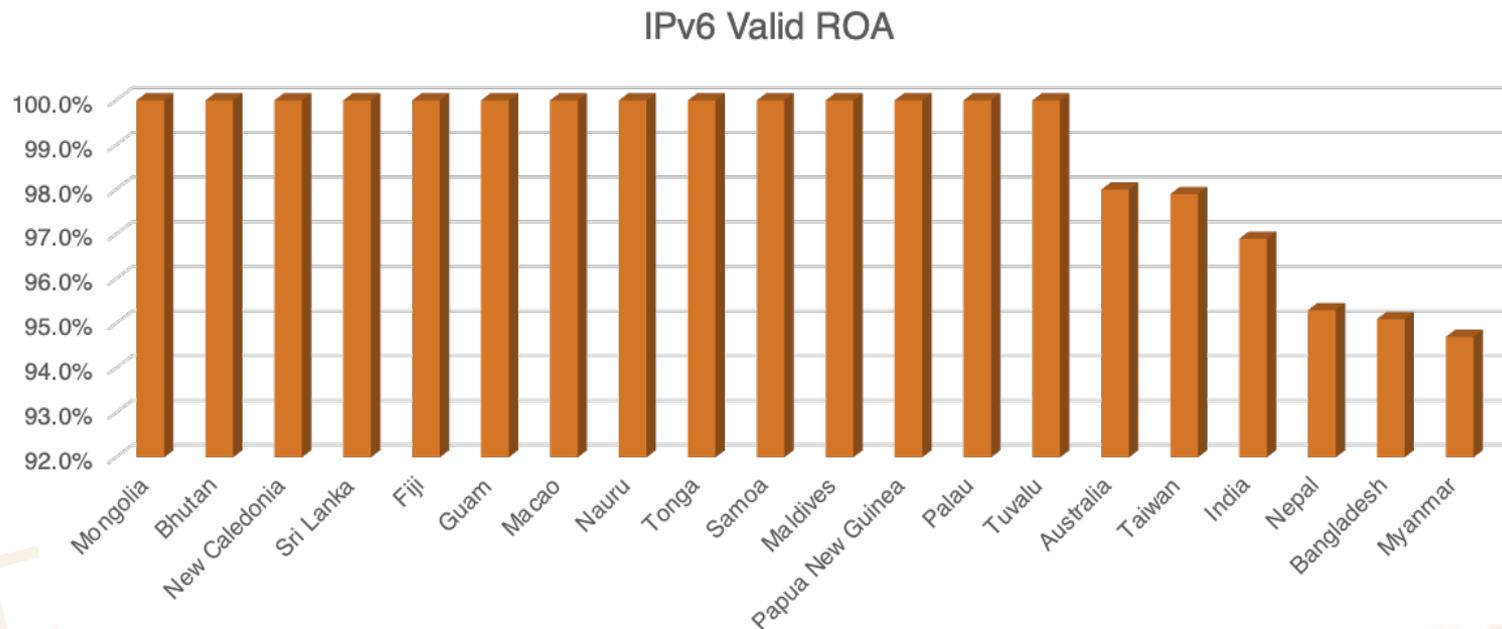
ROV – Dropping Invalids

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RPKI ROV – Global Snapshot
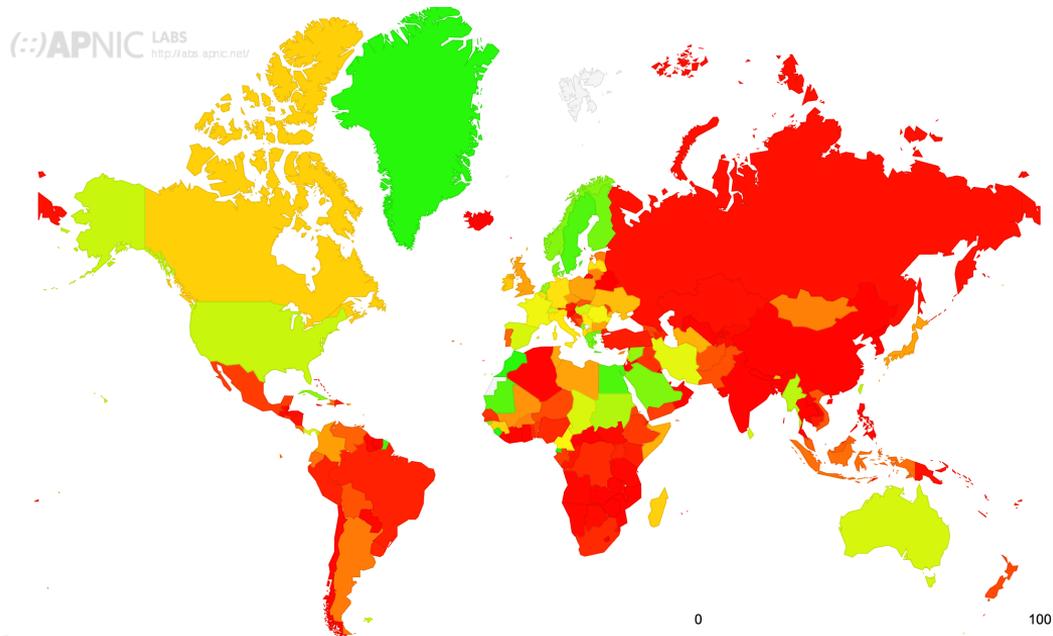
Region / RIR	ROV
Global	26.6%
ARIN	61.3%
RIPE	35.3%
AFRINIC	27.4%
LACNIC	13.9%
APNIC	13.2%

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ROV – APAC Top 20

RPKI Origin Validation

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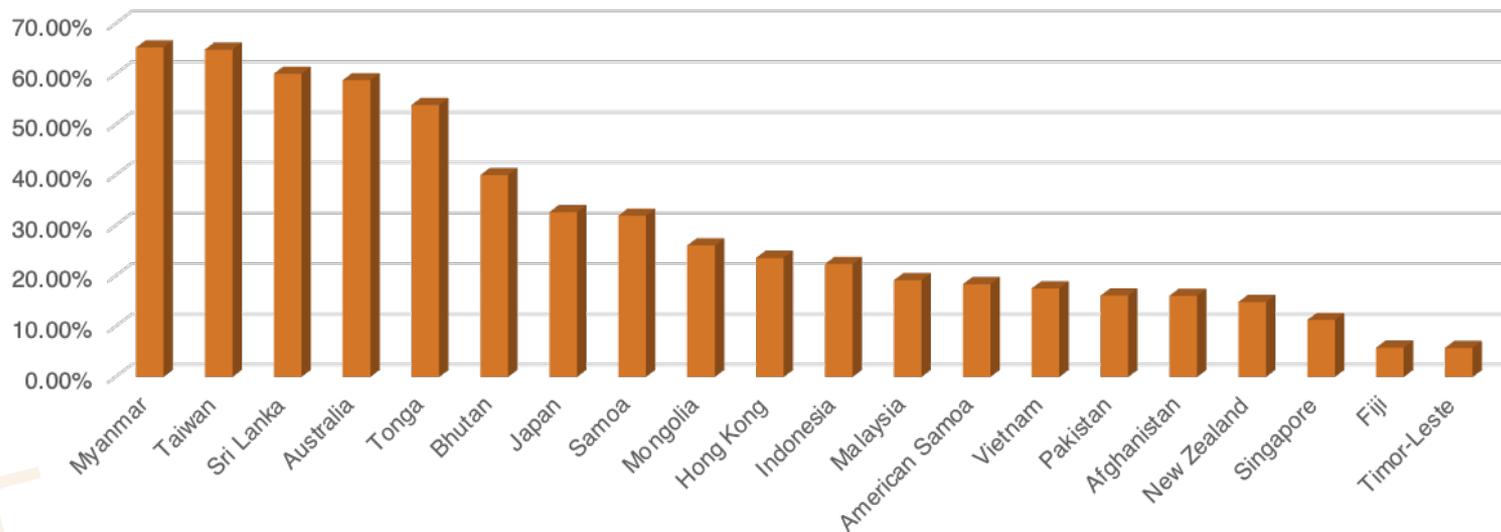
Spotlight
SEA and Indonesia

ROA – Southeast Asia
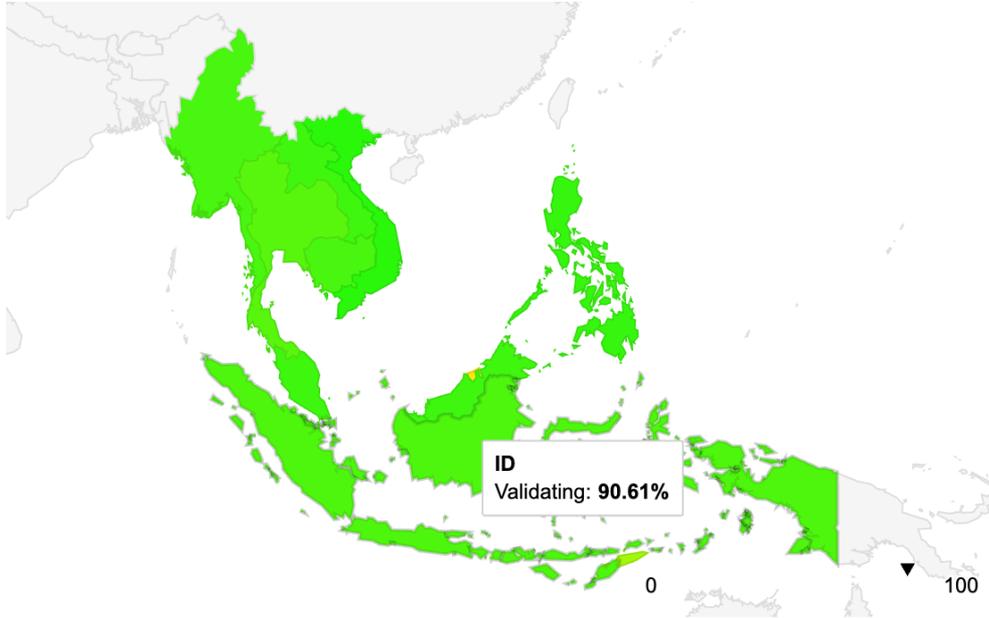
Economy	IPv4 Valid	IPv6 Valid
Vietnam	98.50%	68.8%
Philippines	96.10%	88.8%
Laos	93.80%	66.7%
Malaysia	93.70%	76.1%
Myanmar	91.80%	94.7%
Cambodia	91.60%	86.4%
Indonesia	**90.60%**	**80.8%**
Singapore	89.70%	74.2%
Thailand	88.10%	64.7%
Timor-Leste	71.10%	50.0%
Brunei	46.20%	0.0%

ID
Validating: **90.61%**

0   100

https://stats.labs.apnic.net/roa

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Origin Validation – Southeast Asia
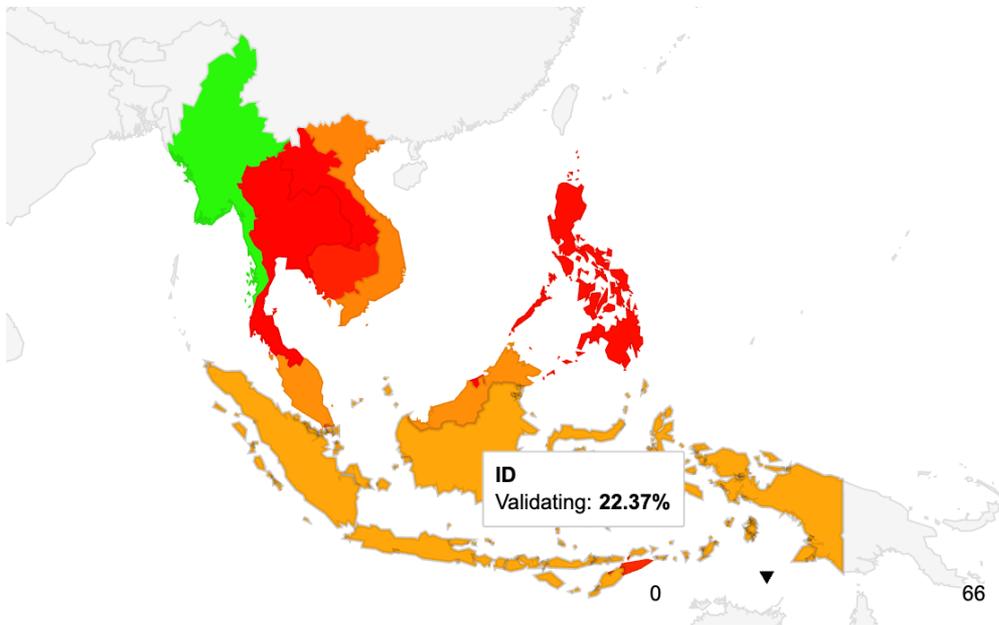
Economy	ROV
Myanmar	65.28%
Indonesia	**22.37%**
Malaysia	19.17%
Vietnam	17.54%
Singapore	11.29%
Timor-Leste	5.77%
Cambodia	4.27%
Philippines	1.50%
Laos	0.62%
Brunei	0.43%
Thailand	0.32%

https://stats.labs.apnic.net/rpki

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Questions?

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JAKARTA, INDONESIA
4 – 12 February 2026

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