

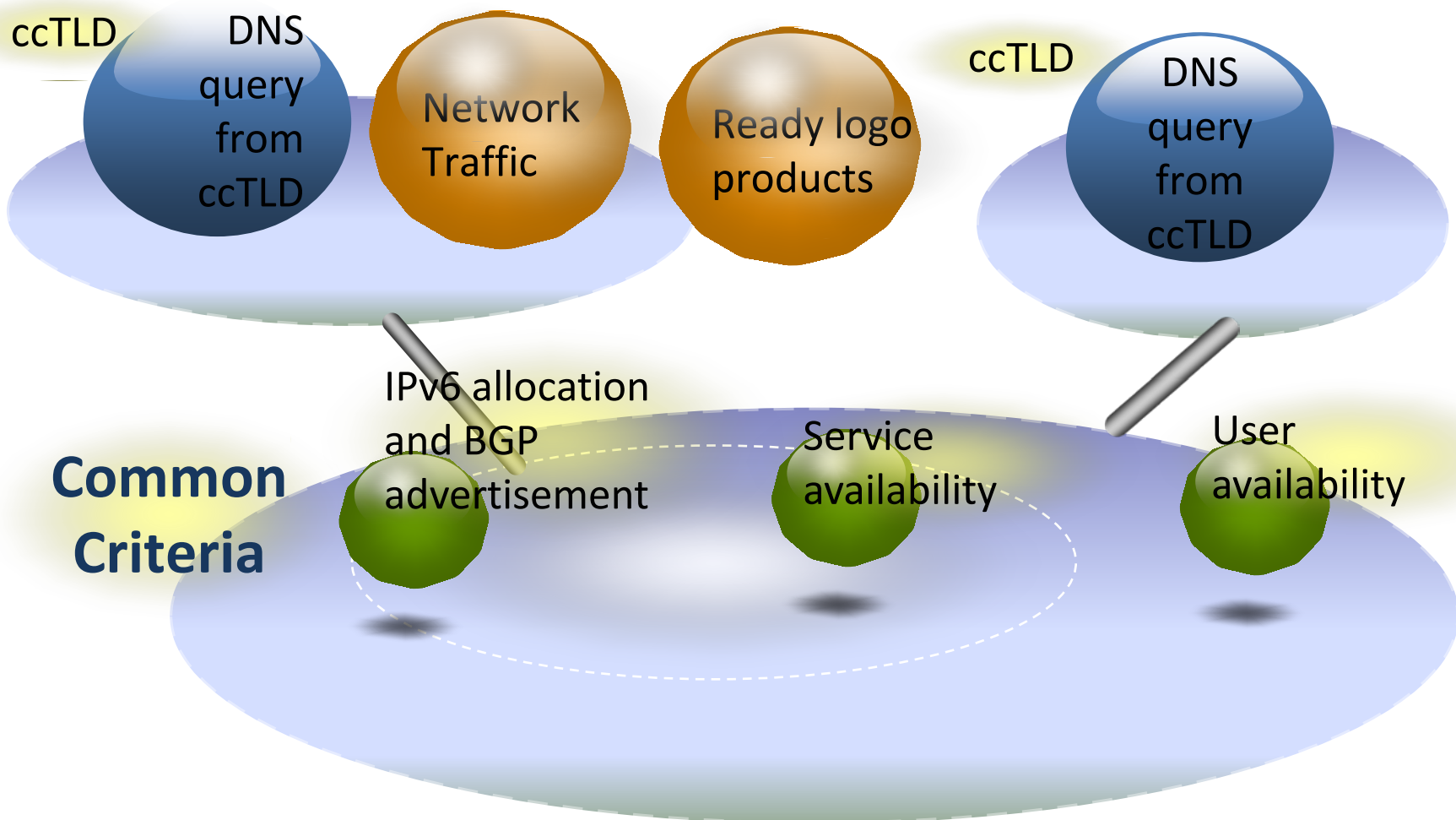
# IPv6 Readiness Measurement

Shian-Shyong Tseng



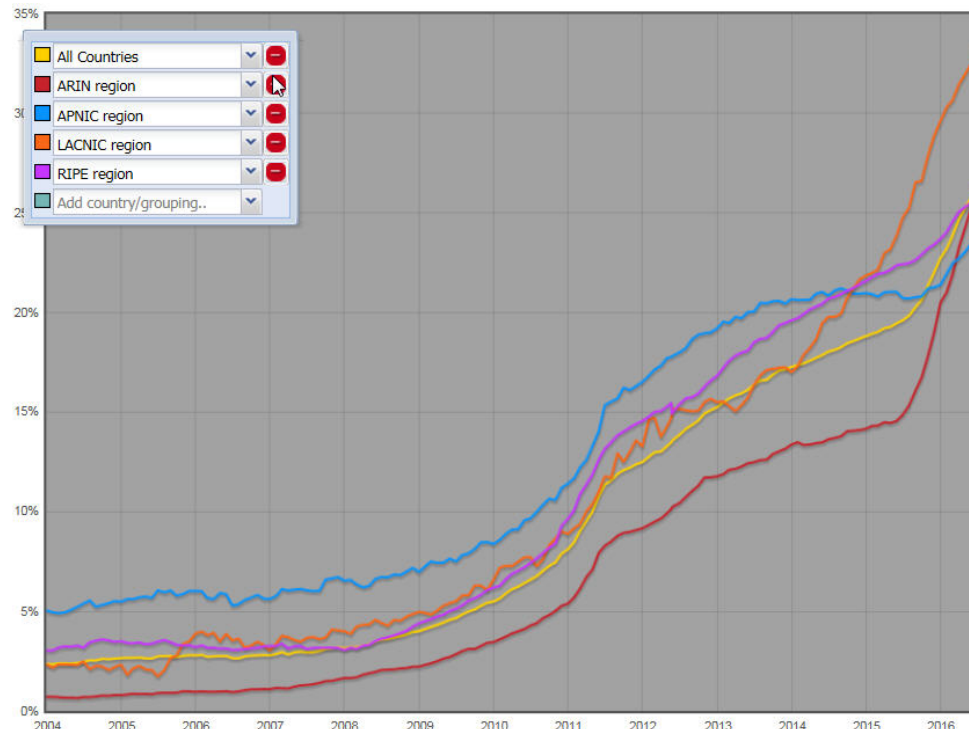
**IPv6 Readiness Measurement BoF**

# IPv6 Readiness Measurement Criteria



# IPv6 Allocation and BGP Advertisement

	Global	ARIN	LACNIC	RIPE	APNIC	ARFRINIC
2016/07/01	14959 26.31%	4876 26.04%	1717 33.28%	5985 25.83%	1837 23.92%	173 17.44%
2015/06/01	9895	2445	993	4839	1391	127
	5064	2431	724	1146	446	46



Source:RIPE



# IPv6 Allocation and BGP Advertisement

IPv6 Allocation and BGP Advertisement

Zoom        From:  To:

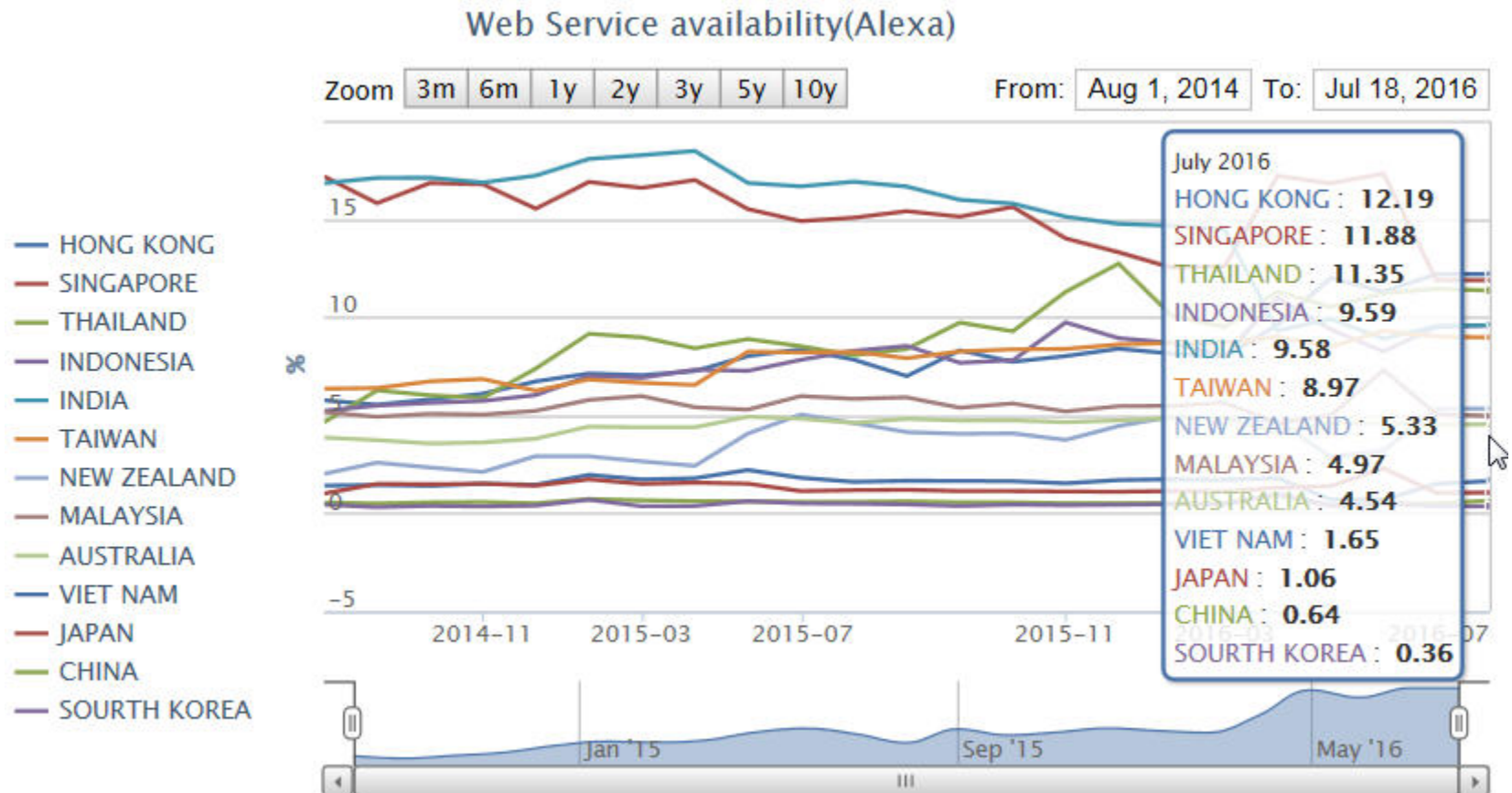
- Japan
- Taiwan
- Singapore
- Malaysia
- New Zealand
- Hong Kong
- Thailand
- Australia
- China
- Indonesia
- India
- VietNam
- South Korea





# Service Availability(WEB)

- **Data Collection from Alexa's top 1 million websites, average = 5.8**

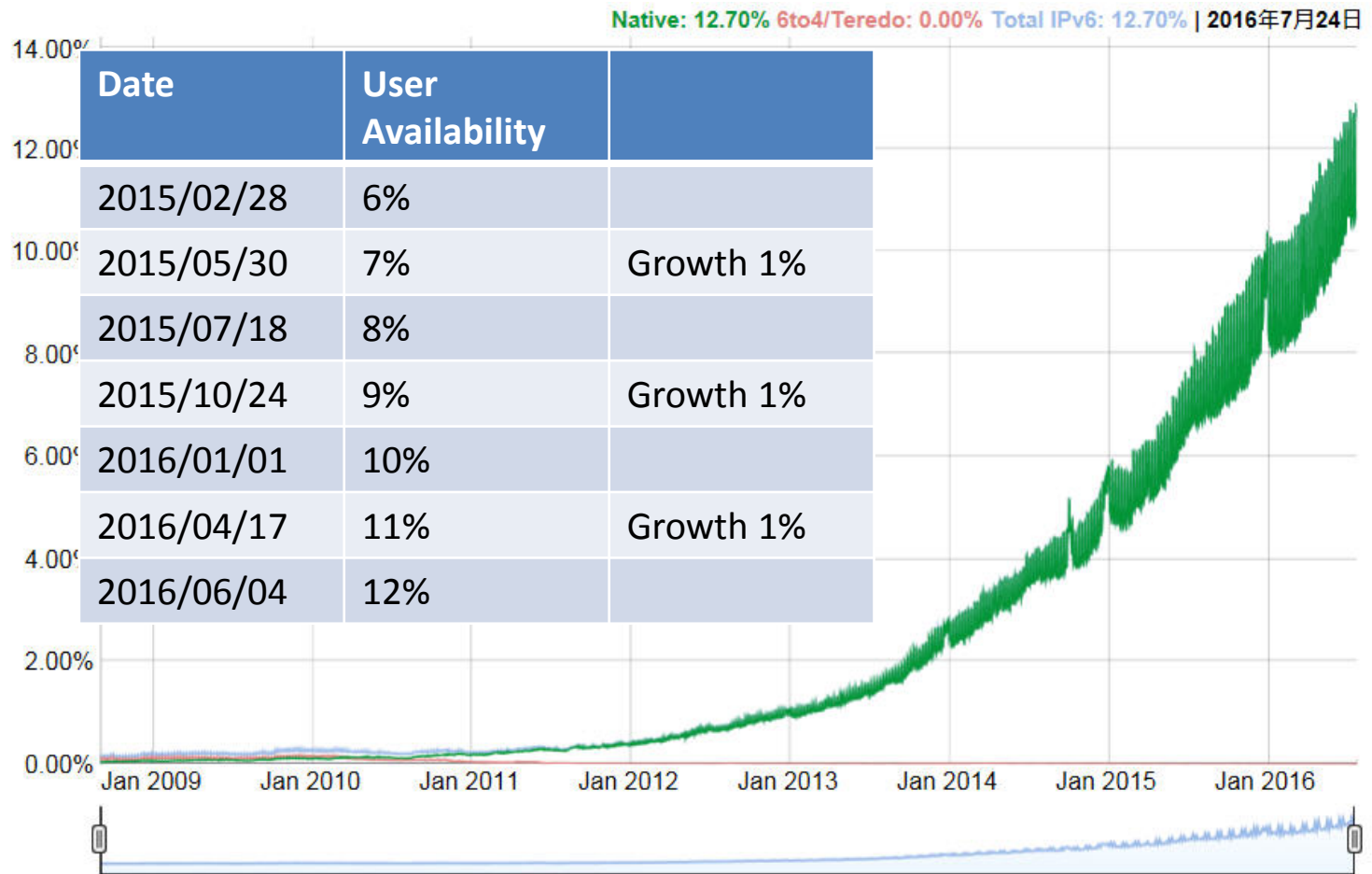


# Report of the IPv6 Readiness Measurement in Asia Pacific

- Service Availability(WEB)

	Alexa(1 Million)	Alexa(500)
Hong Kong	12.19	16
Singapore	11.88	19.2
Thailand	11.35	16.4
Indonesia	9.59	12.4
India	9.58	15.8
Taiwan	8.97	18.8
New Zealand	5.33	11.8
Malaysia	4.97	15.8
Australia	4.54	11.8
Viet Nam	1.65	12.8
Japan	1.06	8
China	0.64	4.6
Sourth Korea	0.36	8.8

# Google User Availability: 1% increase every three months



# User Availability-Google

Date:2016/07/26

Source: Google

Rank	Country	%-age
1	BELGIUM	45.61
2	UNITED STATES	29.49
3	SWITZERLAND	26.11
4	GREECE	24.08
5	GERMANY	23.68
6	PORTUGAL	20.53
7	ECUADOR	19.25
8	LUXEMBOURG	16.81
9	United Kingdom	14.2
10	PERU	13.85
11	ESTONIA	12.56
12	JAPAN	12.31
13	FINLAND	11.26
14	FRANCE	10.98
15	MALAYSIA	10.77

Rank	Country	%-age
16	CZECH REPUBLIC	9.88
17	BRAZIL	9.17
18	CANADA	9.03
19	IRELAND	7.32
20	NORWAY	6.51
21	ROMANIA	6.22
22	NETHERLANDS	6.14
23	SINGAPORE	5.16
24	AUSTRALIA	4.86
25	IRAN	4.78
26	HUNGARY	4.45
27	TRINIDAD & TOBAGO	4.4
28	AUSTRIA	4.36
29	BOLIVIA	4.08
30	KOREA, REPUBLIC OF	3.52





# Report of the IPv6 Readiness Measurement: average= 6.27

- User Availability

User availability(APNIC)

