

2016/TEL53/DSG/007a Agenda Item: 2.3

## IPv6 Readiness Among APEC TEL Member Economies – APNIC Presentation

Purpose: Information Submitted by: APNIC



ICT Development Steering Group Meeting Tacna, Peru 16 June 2016

APEC PERU \_\_\_\_\_ 2016









CC	Country	IPv6 capable (%)	
BE	Belgium	53	3.21
CH :	Switzerland	29	9.24
US	United States of America	29	9.10
PT	Portugal	28	8.34
DE	Germany	27	7.93
GR	Greece	26	6.64
EC	Ecuador	20	0.33
EE	Estonia	19	9.26
PE	Peru	18	8.91
LU	Luxembourg	17	7.24
JP .	Japan	16	6.72
FI	Finland	16	6.67
MY	Malaysia	13	3.84





















AJN	Organization	IPV6 capable (%)
6147	Telefonica del Peru	24.61
262253	Econocable Media	0.19
27843	Optical Technologies	0.17
262235	Netline Peru	0.14
21575	Entel Peru	0.06
262210	Viettel Peru	0.06
12252	America Movil	0.02
19180	Americatel Peru	0.02





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.1 NLV of the Costs of Each Alternative	
	Net Present Value
Alternative 1, transition with dual-stack and CGNAT with CPE	\$4.910.952.82
Alternative 1, transition with dual-stack and CGNAT without CPE	\$2.312.338.22
Alternative 2, using CGNAT without implementing IPv6	\$6.192.207,28
Alternative 3, purchasing IPv4 addresses without NAT or IPv6	\$4.077.689,49
CPEs with dual-stack CPEs	5,0
Rate of opportunity cost of capital.	12%
CPEs with dual-stack CPEs	3,0
Service life of IPv4-only CPEs. Alternative 2.	5,0
Total number of current residential customers	100.000
dem but already served with IPv4 addresses (CGNAT or individual IPv4 addresses)	50.000
Annual customer base growth rate	15%
CGNAT operational capacity – simultaneous sessions – calculation nodule	10.000.000
Maximum average number of sessions per user without dual-stack	1.000
Inimum design number of sessions with CGNAT per user without dual-	1.000
tack, by quality	
6 of IPv4 sessions per user with dual-stack (CONT indicator)	4,92%
Minimum design number of sessions with CGNAT per use with dual- stack, by quality	492
6 of users connected simultaneously	30%
Average number of users per client	3
Annual drop in IPv4-only CPE prices	10%
Reduction of the price difference between dual-stack vs. IPv4-only CPEs	20%













