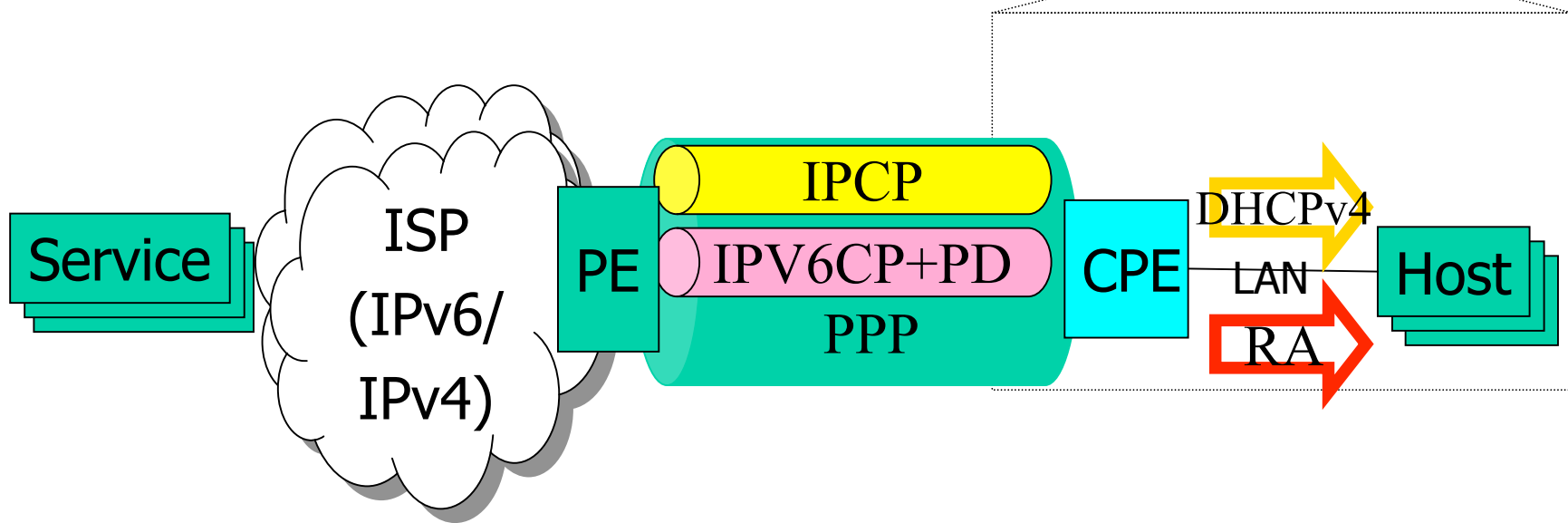


NTT Communications' IPv6/IPv4 Dual Stack Service Spec draft-shirasaki-dualstack-service-02

Yasuhiro Shirasaki
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NTT Communications

What we did was...

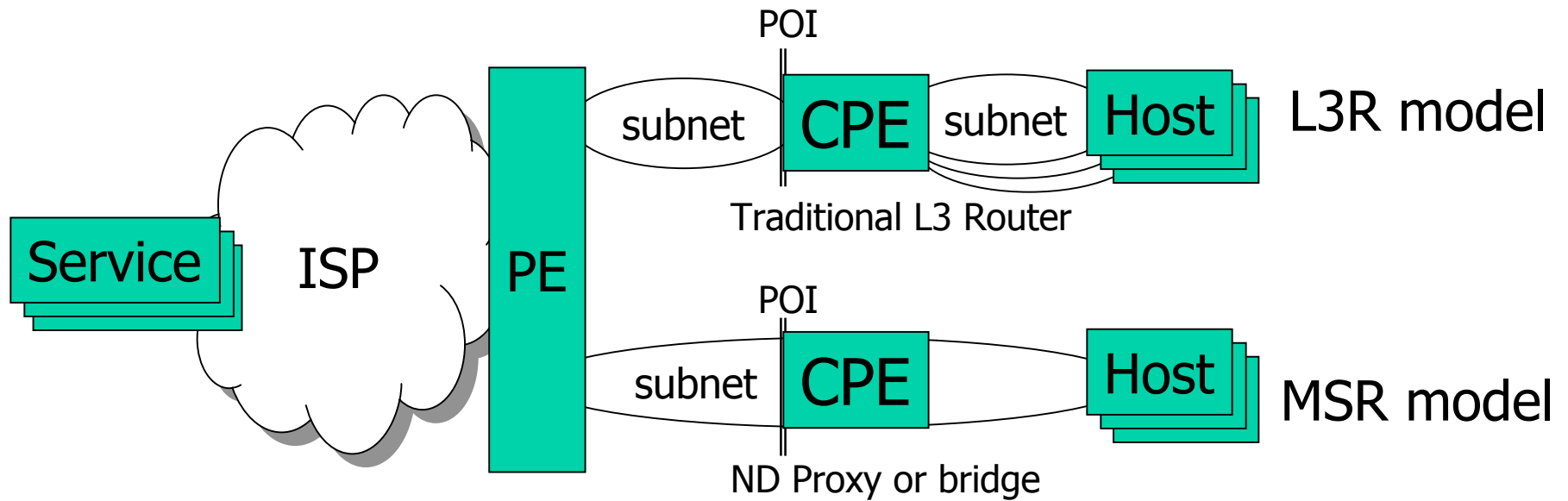
- Simple selection and combination of proposed protocols and test of them



Auto configured Parameters

- Site Address Prefix / Host Address
- DNS Recursive Name Server Addresses
- (NTP Server Addresses)

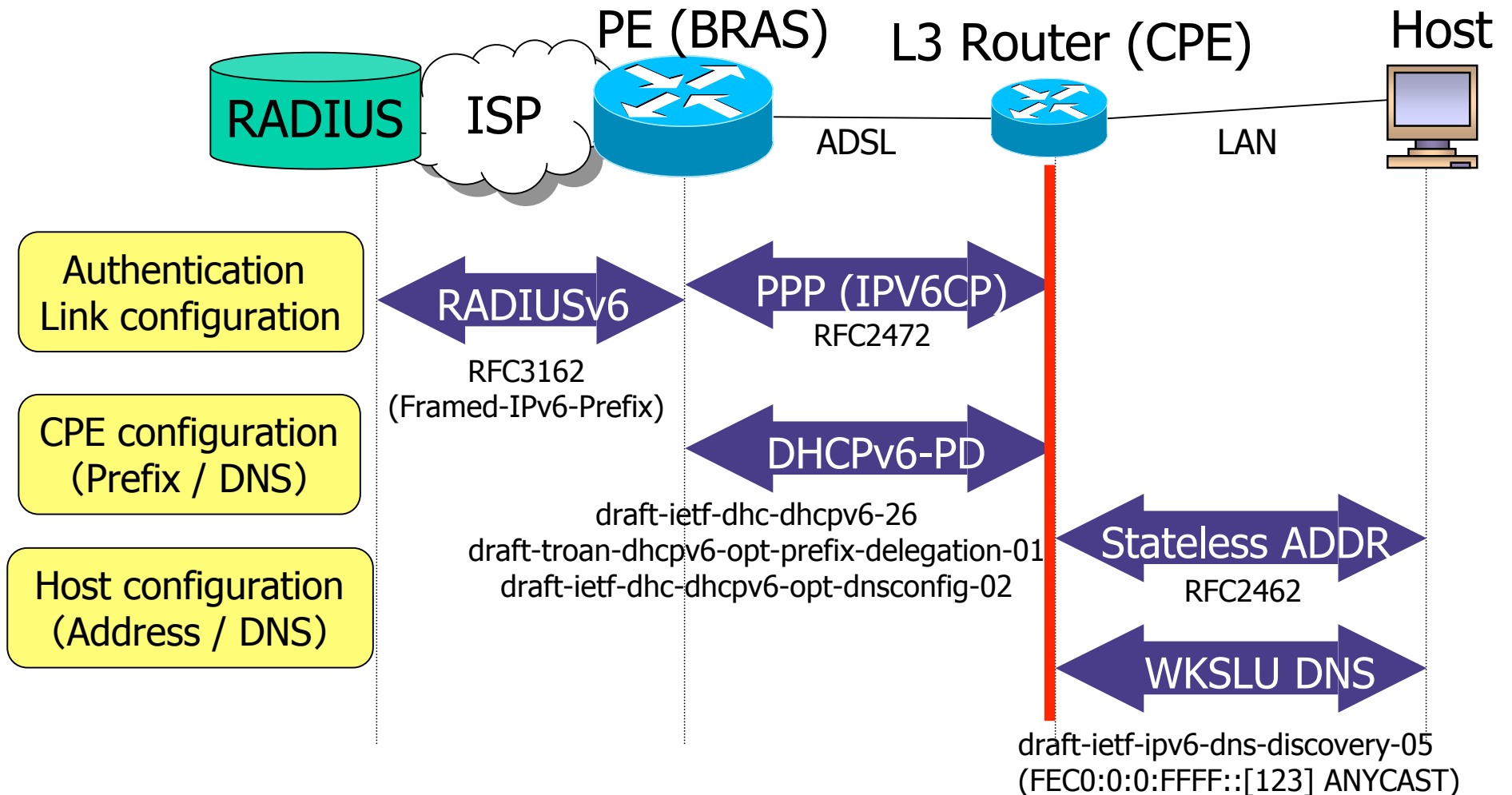
Logical models



	CPE	Subnet	Site Prefix
L3 Router Model	L3 Router	leaf subnets	<u>/48</u> , /64
MSR Model	ND Proxy (Multi link subnet router)	one subnet	/64

/48 is recommended by RFC3177 and APNIC documents

Our current service model

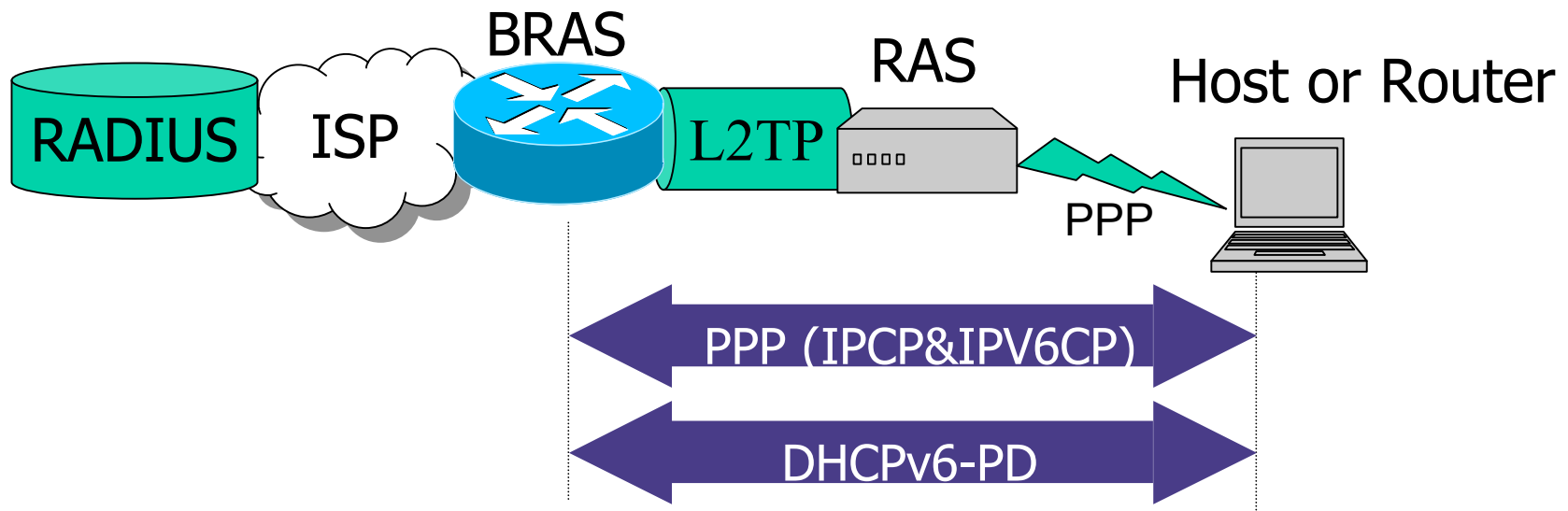


Experiences with our service

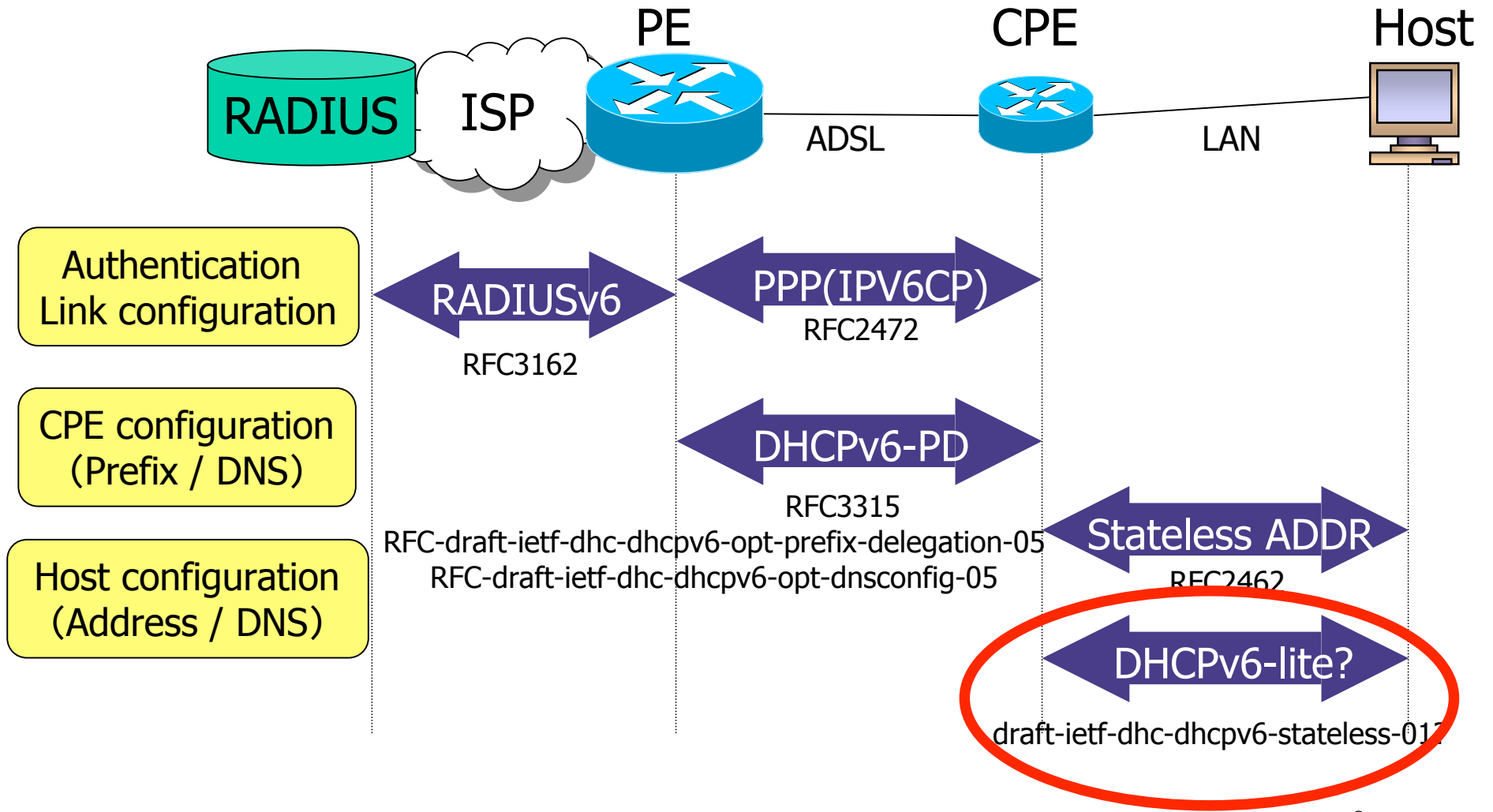
- The service works well since the Summer of 2002
- No impact on IPv4 single stack CPE
 - IPV6CP initiated from CPE side is trigger
- Nation wide service via L2TP
- Other ISPs in Japan are using same spec
 - 1000+ customers of same mechanism today

Versatility

- Same mechanism works for dialup remote access service without impacts on legacy IPv4 single stack clients
- We approved this feasibility by PHS (PCS)



Coming Soon



Issues

- DNS Discovery in customer sites
- Multicast routing?