

# Prefix Assignment in DHCPv6

**draft-ietf-dhc-host-gen-id**

**IETF 84 DHC WG**

July 31, 2012

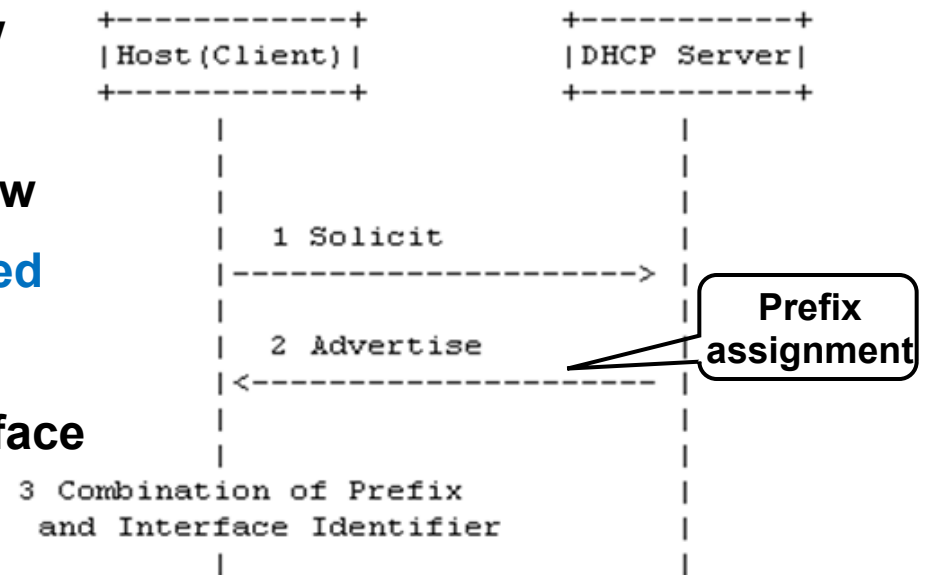
*Frank Xia*

*Behcet Sarikaya*

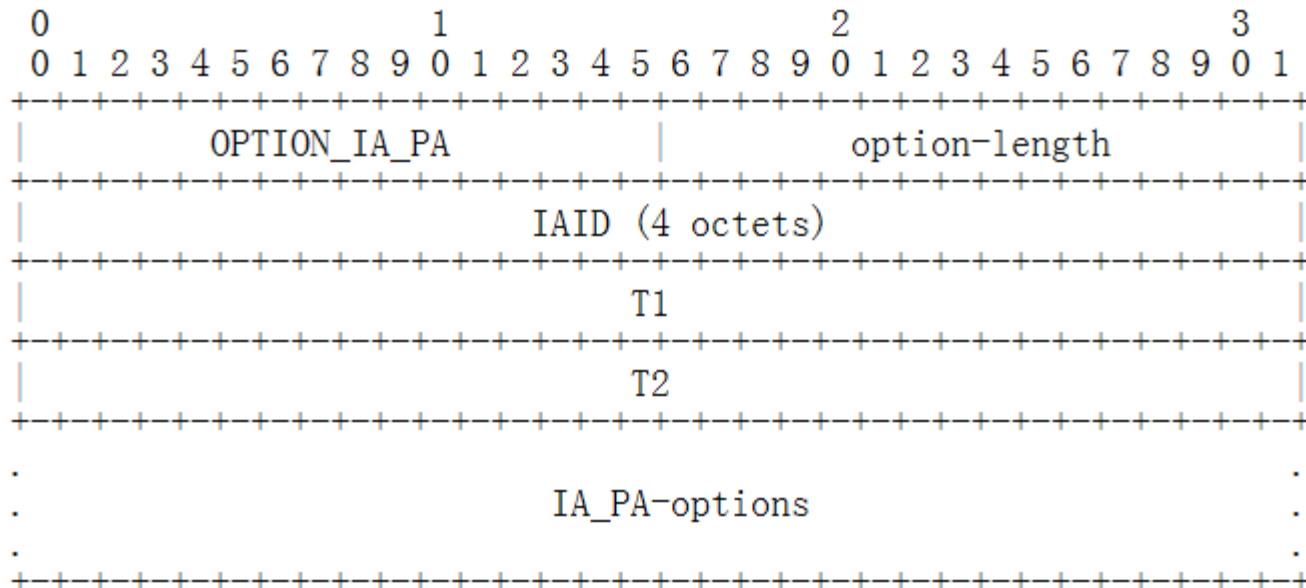
*Sheng Jiang(Speaker)*

# History & Main Concept

- It was adopted as WG draft May 2011
- The title changed before WG adoption call
  - was “Usage of Host Generating Interface Identifier in DHCPv6”
  - But draft short name remain dhc-host-gen-id (yes, confusing)
- This document introduces a new DHCPv6 procedure to configure hosts' IPv6 addresses. In this new procedure, the prefix is advertised from a DHCPv6 server through DHCPv6 protocol while the interface identifiers are independently generated by the hosts.



# New Identity Association for Prefix Assignment Option (IA\_PA)



The format of this new DHCPv6 IA\_PA Option has been **deliberately designed to be the same with IA\_PD option** [RFC3633]. The IA\_PD Prefix and IA Address sub-options from IA\_PD option are also reused. However, the two options are different on the semantics and usage models.

- **Questions, clarifications?**
- **This document is stable since  
Adopted as WG document**
- **It is ready for WG LC**