

# **CGA SEC Option for Secure Neighbor Discovery (SeND) Protocol**

**draft-jiang-6man-cga-sec-option**

**IETF 93 6man WG**

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# Background & Motivation

- Cryptographically Generated Addresses (CGA) has been defined by RFC3972, 2005
- SEC bits, an important parameter in the generation of CGAs, are used to artificially introduce additional difficulty in order to provide additional protection against brute force attacks.
- However, the **SeND protocol fails to distribute the SEC values to the hosts**. As a result, the network administration cannot propagate any requirements regarding to SEC value of host-generated CGA addresses. **It is actually a barrier for CGA and SeND to be widely used.**
- In order to fill this gap, this document introduces a new CGA SEC Option.



**Next step: WG adoption?**

**Comments are welcomed!**

**Thank You!**