

# **Security Assessment of Neighbor Discovery (ND) for IPv6**

**(draft-gont-opsec-nd-security-01)**

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**IETF 86**  
**Orlando, Florida, U.S.A. March 10-15, 2013**

# Problem statement

- ND implementations are less mature than expected
- Don't want to wait for 10-15 years for them to improve

# **draft-gont-opsec-nd-security**

- Does a security assessment of IPv6 ND
- Gets into more details than RFC 3756
- Provides concrete references to known implementation flaws
- Provides (non-normative) implementation guidance
- Similar to what we did for IPv4 in RFC 6274

# **draft-gont-opsec-nd-security**

- Three high-level sections:
  - Neighbor Discovery messages
  - Neighbor Discovery mechanisms
  - Neighbor Discovery vulnerability analysis

# Questions to the working group

- Is this the right structure for the document?
- Possible reviewers?
- Possible contributors?
- General thoughts on the document?