

**Report on
IEEE 802 EC Privacy Recommendation
Study Group**

Juan Carlos Zuniga

j.c.zuniga@ieee.org

IETF90, SAAG, 24th of July 2014

IEEE 802 Internet Privacy Tutorial

- IEEE 802 Plenary Meeting
 - San Diego, July 14th 2014
- Title:
 - Pervasive Surveillance of the Internet – Designing Privacy into Internet Protocols
- Speakers
 - Ted Hardie (IETF IAB)
 - Alissa Cooper (Cisco Systems)
 - Lily Chen (NIST)
 - Piers O'Hanlon (Oxford Internet Institute)
 - Juan Carlos Zuniga (InterDigital Labs)

IEEE 802 Internet Privacy Tutorial - Summary

- The Tutorial provided an update on the recent concerns about Internet privacy, the actions that IETF is taking, and the guidelines that are being followed when developing new specifications (e.g. RFC 6973)
- Highlighted Privacy concerns applicable specifically to Link Layer technologies, and provided suggestions on how IEEE 802 can help addressing them
- The idea of developing an IEEE 802 recommended practices document, similar to the one produced by IETF (RFC 6973) was suggested and supported by several IEEE 802 members from different WGs

IEEE 802 EC Privacy SG

- Creation of an Executive Committee Study Group on Privacy Recommendations (2014-07-18)
 - Juan Carlos Zuniga appointed as Chair of SG – awaiting EC confirmation
- Chartered to run until November 2014 with an expectation of renewal through March 2015
 - Next IEEE 802 Plenary meeting in November 2014 – San Antonio, TX
- Planning to advance work with teleconferences and email discussions

802 EC Privacy SG Call for Contributions

- To be issued soon...
- Current topics being considered include:
 - (1) Privacy Issues at Link Layer
 - (2) Proposals regarding measuring Privacy on Internet protocols
 - (3) Proposals regarding functionalities in IEEE 802 protocols to improve Privacy

Trial on IETF and IEEE meetings

- Suggestion to perform an opt-in trial on IETF and IEEE meetings networks to assess performance and implications of user's MAC address randomization
 - Similar to “ietf-v6ONLY” SSID
 - Should assess implications on collisions, DHCP/ND states, router/bridge tables, etc.