

# Privacy Enhancements and Assessments Proposed Research Group (PEARG)

Co-chairs: Shivan Sahib, Sara Dickinson

# PEARG IETF 103 Agenda

- Administrivia (5 mins)
  - Note well
  - Jabber scribe, note taker
  - Agenda bashing
  - Introduction to PEARG
- Charter discussion (10 mins)
- Presentations:
  - **Usable Privacy in Privacy Badger**, Bennett Cyphers [Electronic Frontier Foundation] (20 mins)
  - **No evidence of communication: OTRv4 (Off-the-Record)v4**, Sofia Celi + Jurre van Bergen [Centro de Autonomía Digital] (15 mins)
  - **Tor Pluggable Transports**, David Oliver [Guardian Project] (15 mins)
  - **Battery Status Not Included: Assessing Privacy in Web Standards**, Gunes Acar [Princeton University] (15 mins)
- AOB

# Note Well

This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully.

As a reminder:

- By participating in the IETF, you agree to follow IETF processes and policies.
- If you are aware that any IETF contribution is covered by patents or patent applications that are owned or controlled by you or your sponsor, you must disclose that fact, or not participate in the discussion.
- As a participant in or attendee to any IETF activity you acknowledge that written, audio, video, and photographic records of meetings may be made public.
- Personal information that you provide to IETF will be handled in accordance with the IETF Privacy Statement.
- As a participant or attendee, you agree to work respectfully with other participants; please contact the ombudsteam
- (<https://www.ietf.org/contact/ombudsteam/>) if you have questions or concerns about this.

Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- BCP 9 (Internet Standards Process)
- BCP 25 (Working Group processes)
- BCP 25 (Anti-Harassment Procedures)
- BCP 54 (Code of Conduct)
- BCP 78 (Copyright)
- BCP 79 (Patents, Participation)
- <https://www.ietf.org/privacy-policy/> (Privacy Policy)

# Administrivia

- Jabber
- Note taker
- Introduction

# Intro

- Side meeting at IETF 102 (Montreal)
- First meeting!
- Status

# Charter discussion

1. Be a bridge between theory and practice, bringing new privacy-enhancing technologies from open source or academic communities to the wider Internet community and promoting an understanding of the use and applicability of these mechanisms via Informational or Experimental RFCs (in the tradition of HMAC [RFC 2104]).
2. Document research on new and existing privacy assessment methodologies. One goal of this work would be to inform future development of additional specifications in the tradition of RFC 6973 by the IETF or IAB. This work will involve outreach to ensure close cooperation with similar and related efforts in IETF.
3. Providing a forum for discussion and analysis of the cryptographic and practical aspects of privacy protocols e.g.
  - a. Analyse dependencies between protocols in the larger Internet ecosystem and understand the privacy implications in a wider context
  - b. Understand why some protocol design efforts have succeeded and other have not
  - c. Formulate better models for analyzing and quantifying privacy risks
  - d. Offer guidance on the use of emerging techniques and new uses of existing ones.
4. Provide a forum for IETF working groups developing protocols that include privacy technology elements to bring questions concerning the protocols to the PEARG for advice.

# Usable Privacy in Privacy Badger

Bennett Cyphers, Electronic Frontier  
Foundation

# No evidence of communication: OTRv4 (Off-the-Record)v4

Sofia Celi and Jurre van Bergen, Centro de  
Autonomía Digital



# Pluggable Transports: Practical Methods for Combating Deep Packet Inspection

David Oliver, The Guardian Project

# Battery Status Not Included: Assessing Privacy in Web Standards

Gunes Acar, Princeton University

**AOB**