OpenPGP IETF-95

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Argentina

Chair:
• Daniel Kahn Gillmor
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Agenda

- Agenda Bashing
- `draft-koch-openpgp-rfc4880bis-02`
- Terminology review
- S2K
- fingerprint
- OAE
4880bis next steps

- Werner Koch has posted
  `draft-koch-openpgp-rfc4880bis-02`
- https://gitlab.com/openpgp-wg/rfc4880bis
- Please review and comment
Terminology review

- What kinds of cleanup are desired?
- Can we break with older OpenPGP terminology?
S2K

- Argon2i seems to have no objections
- `draft-irtf-cfrg-argon2`
- Argon2i has been recently revised to address Corrigan-Gibbs’ attack, not yet covered in the IRTF draft
Fingerprint

• Include Creation timestamp?
Symmetric encryption

We need to replace CFB, but with what?

- **AES-GCM**
  - Built-in to browsers, known to be fragile

- **AES-OCB**
  - IP constraints? Rogaway is fine with a grant for any use with OpenPGP, unclear if there are other IP claims.

- **ChaCha20-Poly1305**
  - The popular new cipher (but: “Crypto Monoculture”)

- **POET/AEZ/ELmD**
AOB

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