

19 March 2024

IETF 119 - EMU

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Note Well

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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)

Note Really Well

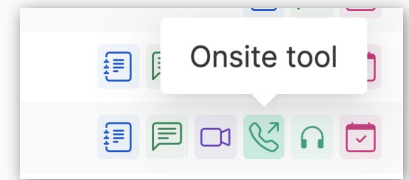
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IETF 119 Meeting Tips

In-person participants

- Make sure to sign into the session via Datatracker or the QR Code in this session.
- Use Meetecho (usually the “Meetecho lite”) client to:
 - join the mic queue
 - participate in shows of hands
- *Keep audio and video off if not using the onsite version.*



Remote participants

- Make sure your audio and video are off unless you are chairing or presenting during a session.
- Use of a headset is strongly recommended.

Resources for IETF 119 Brisbane

- Agenda
<https://datatracker.ietf.org/meeting/agenda>
- Meetecho and other information:
<https://www.ietf.org/how/meetings/preparation>
- If you need technical assistance, see the Reporting Issues page:
<http://www.ietf.org/how/meetings/issues/>

Agenda

1. Working Group Items (20 min)
 - [EAP-AKAFS](#) - IESG Consider uplift of AKA to Proposed Standard
 - [Bootstrapped TLS](#) - DownRef - RFC-8773
 - [Charter Update](#) (15 min)
2. EAP-ARPA (5 min)
<https://datatracker.ietf.org/doc/draft-dekok-emu-eap-arpa/>
3. EAP EDHOC (10 min)
<https://datatracker.ietf.org/doc/draft-ingles-eap-edhoc/>
4. EAP FIDO (15 min)
<https://datatracker.ietf.org/doc/draft-janfred-eap-fido/>
5. Non-Working Group Items (30 min)
 - [EAP-AKA-PQC](#) (10 min)
 - [EAP Multiple Pre-Shared Keys \(EAP-MPSK\) Method](#) (15 min)

Charter Update

<https://github.com/emu-wg/charter/blob/master/emu-charter.md>

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New Items (EDHOC)

- EDHOC (Ephemeral Diffie-Hellman Over COSE) is a very compact and lightweight authenticated Diffie-Hellman key exchange with ephemeral keys that is suitable in constrained environments in which many of the existing EAP methods are not a good fit. EDHOC offers the useful properties of mutual authentication, forward secrecy, and identity protection. The group will accordingly produce a specification for an EAP method incorporating the EDHOC mechanism (draft-ietf-lake-edhoc).
- Develop an EAP method for use in constrained environments that wish to leverage the EDHOC key exchange mechanism.

New Items (EAP-FIDO)

- While TLS-based EAP mechanisms provide strong channel protections, if the client does not authenticate and validate the server's credentials properly (possibly owing to a lack of provisioned information necessary to undertake that validation), an EAP mechanism running over TLS that relies on passwords is vulnerable to client credential theft, much the same as password authentication over plain TLS is. The FIDO Alliance and the W3C have developed a passwordless authentication scheme known as FIDO2, which combines elements of the W3C's WebAuthn and FIDO's CTAP standards. The group will devise an EAP method suitable for use with the CTAP2 version of FIDO2.
- Devise a passwordless EAP method that incorporates use of CTAP2.

EAP-ARPA

Should it be added?