General and Q&A

This is the weekly general LFE EVerest call for all topics not covered by the working groups.

Meeting Notes:

07 May 2024:
1. Discussion on meeting frequency: Proposal to go bi-weekly accepted
2. Mayuresh question about MREC for OCPP 2.0.1 and 1.6: -> will be put on agenda for Cloud Communication WG on 2024-05-08

30 April 2024

1. Development Updates:

- Tested PnC w/ OCPP 1.6J and 2.0.1 last week with Hubject and an Auto OEM
- Fixes for PnC Cyphersuite selection to address Interop with Hyundai and VW vehicles for PnC

2. Community Update:

- Fabio Miranda from 7Gen new member intro. Based in Vancouver, CA. Will document what he learns in trying to integrate EVerest w/ CitrineOS.

16 April 2024

1. Development Updates:

- Support for configurable start&stop points in OCPP 2.0.1 config file, can be used and tested with EVerest SIL
  Update for OCMF in EVerest Core, to retrieve OCMF for Eichrecht from Power Meter.
- Merged Error History module, with that global actions in the error framework are now available
- Chris Davis from AFS submitted PR for libOCPP: https://github.com/EVerest/libocpp/pull/537 assigned to Marc Emmers for review

09 April 2024

1. EVerest news:

- EVerest March release on April 5th, 2024
- PIONIX released Yocto layer for Yeti/Yak HW

2. Development Updates:

- Dima from Qwello submitted PR for Slots in Rust - looking for feedback.
- Gianfranco from AFS re-submitted PR for libOCPP: https://github.com/EVerest/libocpp/pull/524

02 April 2024

1. EVerest news: Upcoming Updated Contribution Guideline (will be published in Zulip)

2. Community Update:
@Roger Bedell added rudimentary ISO 15118-20 ACDP support to evlibiso15118 in the branch evlibiso15118_with_ACD
https://github.com/cienporcien/evlibiso15118/tree/evlibiso15118_with_ACDP

It works with this branch of libiso15118 in the branch dash-20-poc-acdp that contains the EVSE side of ACDP.
https://github.com/cienporcien/libiso15118/tree/dash-20-poc-acdp

There is also a simple implementation of SDP for Wireless in both of these.

Still lacking is an ACDP module, PPD module, and an ISO15118-8 wifi module and interfacing these to libiso15118 and evlibiso15118.

Discussion: Rust or C++ for Roger's modules.Roger will connect with Holger offline to investigate using Rust

19 March 2024

1. **New member intros**
   Tim Weisenberger and Oscar Marcia from SAE EVPKI initiative joined to introduce themselves.
   SAE executed EV PKI pre-competitive research project from 2020-2022 with several member companies
   -Contracted EONTI and DIGICERT as technical experts for implementation
   Project moved to SAE industry consortium group (506c entity under US law)
   Current members of consortium include: GM, Ford, Tesla,Rivian, Electrify America and Chargepoint
   PKI system is designed to be global, supports ISO15118-2 and -20
   Certificate policy was published in 12/2023 and is available for download: https://www.sae-itc.com/programs/evpki/access-download
   More details at: https://www.sae-itc.com/programs/evpki
   For questions contact Tim: Tim.weisenberger@sae-itc.org

2. **EVerest feature freeze:**
   EVerest 2024.3 feature freeze on - expected 2024-03-19
   Starting 2 weeks before the next release with TSC on 2024-03-28
   Branch off a release candidate branch of everest-core (and possibly some libraries depending on the activity)
   Focus a bit more than usual on testing and bugfixing on that branch for the next 2 weeks
   Merging of new features into main will not be affected by this
3. **evlibISO15118 by Roger Bedell:** intended to be replacement for EV-side of JOSEV for ISO15118-20
   Was developed by Roger to test implementation of ACDP portion of -20
4. IoT.Bzh shared https://github.com/tux-evse/iso15118-encoders
5. Qwello merged support for ISKRA meters. Chargebyte had support for these meters in its close-source stack in the past.

12 March 2024

- Shankari introduced Benny and Mayuresh from Idaho National Labs/ChargeX Consortium - working on OCPP Minimum Required Error Codes implementation: https://inl.gov/chargex/mrec/
- ChargeX published Best Practices for EV charging payment systems: https://inl.gov/content/uploads/2023/07/chargex-Best-Practices.pdf
- New WG chair Janek Metzner (PIONIX), starting 2023-03-19
- Proposal to delay WG by 30min starting 2023-03-19 approved
- Discoussion around handling meter transactions:

  - we add signed meter value var to the powermeter
  - the start transaction will return quick, would't wait for real walues
  - we add optional start metr value, to sessionfinished event.
  - the start meter value will be stored in the evsemanager, and published on sessionfinished event
  - no changes to OCPP lib/module at the moment

Action Items:

- Janek: Update meeting time.

5 March 2024

Discussed Eichrecht (German calibration law). Specificly wait with start charging untill signed start meter value is received.

JOET has an open PR: https://github.com/EVerest/libocpp/pull/452
Put on agenda cloud communication

Action Item:

- Robert: Share link to OCA Eichrecht Whitepaper on Zulip.
- Robert: Put https://github.com/EVerest/libocpp/pull/452 on March 6 Cloud Communication agenda.
- Dan: send Robert list of PR to discuss in Cloud call.

6 February 2024

- Action Item: Robert: Put sending signed meter values on Cloud Communication call agenda.
- LED strip HMI: should this be part of EVerest? Currently seen as a customization on top of EVerest.
- Where to discuss release, time of releases and pull requests. Use the "Everest" Stream in Zulip. For a call it will be the General and Q&A call.
- When new multi repo pull requests or larger feather change is coming. Please start a discussion on Zulip and align with the maintainers so we can streamline and plan the work.
- Agreed with proposed way of working for meeting minutes. Use hackmd for now as note taking tool and store them on the EVerest wiki.
- Action Item: Piet: Nudge Cornelius for the ISRA Meter, Evgeny is going to work on a pull request this week.