postmarketOS: Reliability in 2026

2026-01-31 — @ollieparanoid

Wallpaper "Sward" by dikasp 😊

FOSDEM 2025:


Done
LINUX ON MOBILE
postmarketOS
Friend of GNOME
Feb 5 11:53
Quit

FOSDEM 2025:

> *Through many discussions we have concluded that our main goal for 2025 is:*
> ***Improve the reliability of postmarketOS!***

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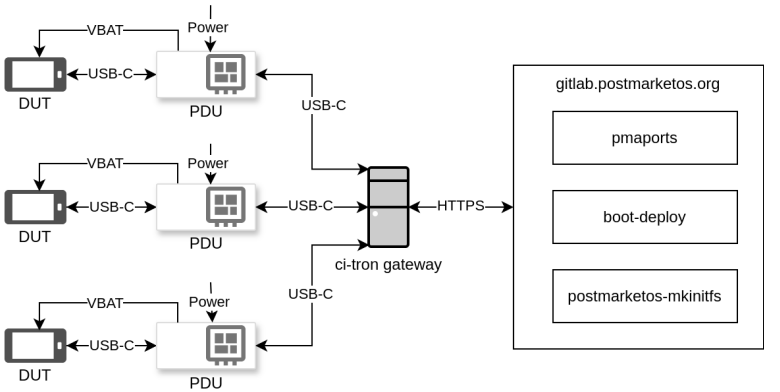
  - using systemd tooling (mkosi, systemd-sysext, systemd-repart, systemd-boot)
  - working prototype (thanks to @craftyguy, @JustSoup321, @cherrypicker, @vstoiakin, @alexeymin for getting it there!)

- nightly repositories 🪠
  - 2023-11 Plasma Mobile
  - 2025-08 Mesa
  - 2025-12 Phosh
  - 2025-12 Desktop (currently modemmanager, libqmi, upower, flatpak, systemd, polkit, dbus, libcamera)
  - 2026-01 KDE (WIP, will replace previous plamo repo)
  - 2026-01 GNOME
  - thanks to @PureTryOut, @fossdd, @Aelin!

- CI-tron ✅


VBAT
Power
USB-C
DUT
PDU
USB-C
gitlab.postmarketos.org
pmaports
boot-deploy
postmarketos-mkinitfs
HTTPS
ci-tron gateway
USB-C
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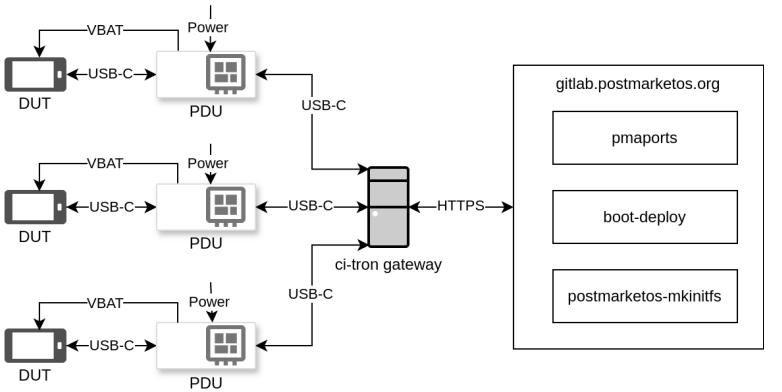

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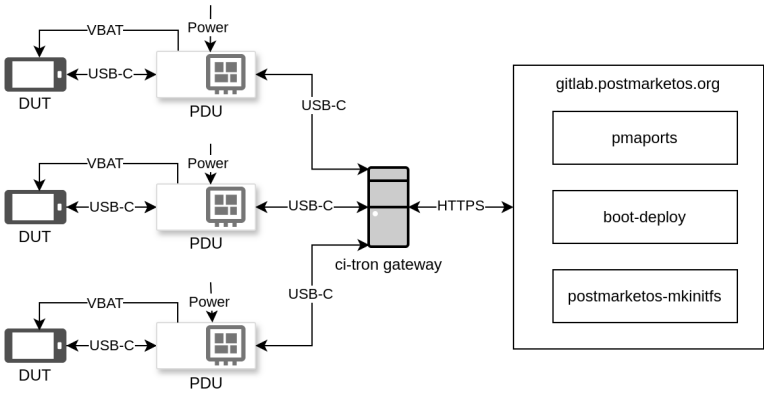

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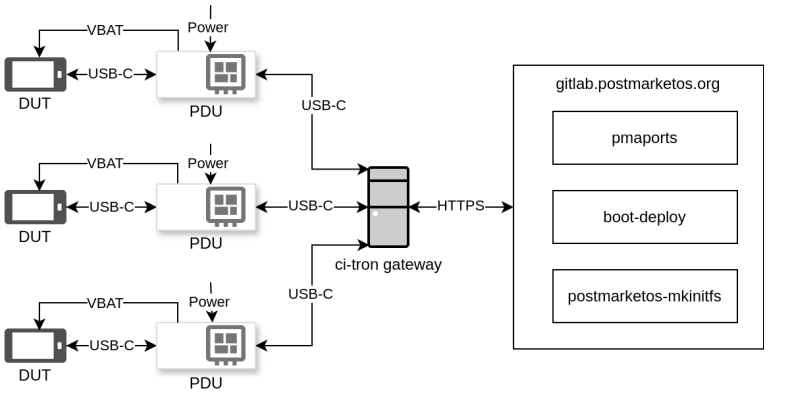

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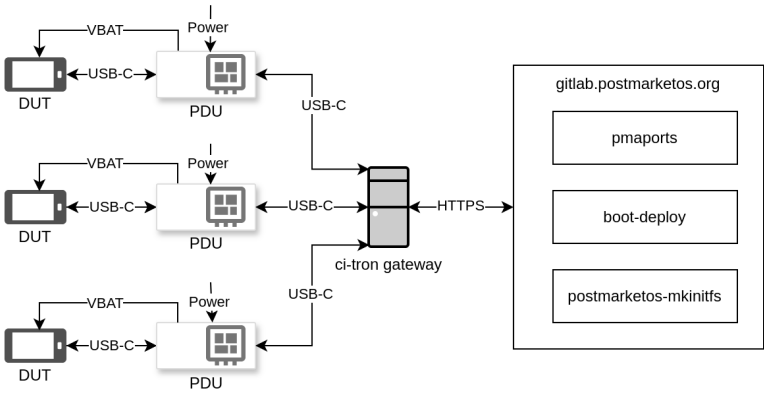

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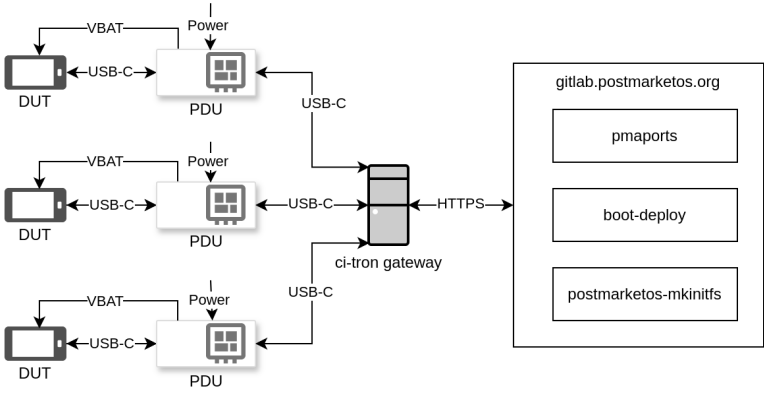

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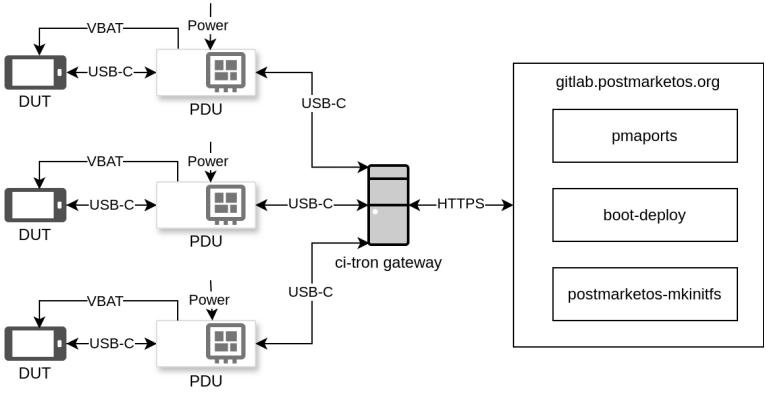

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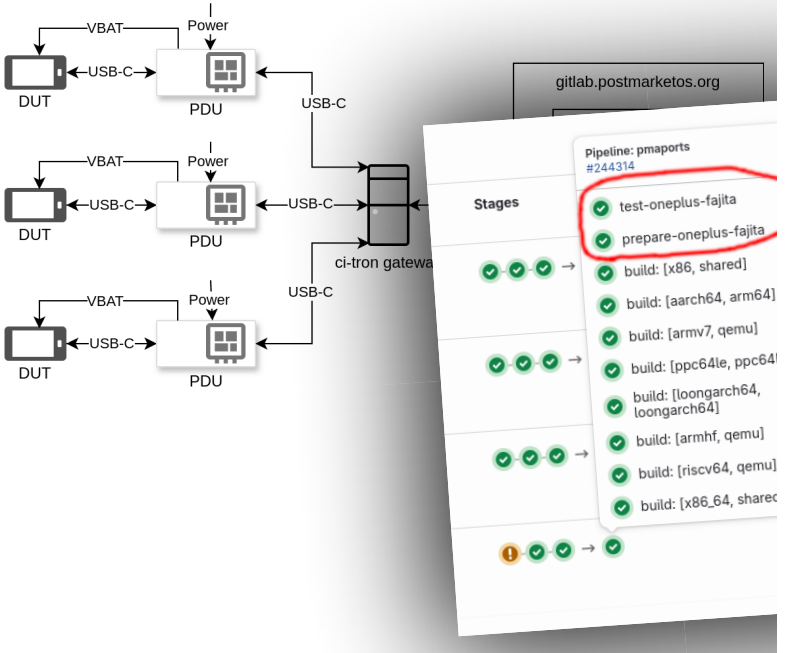

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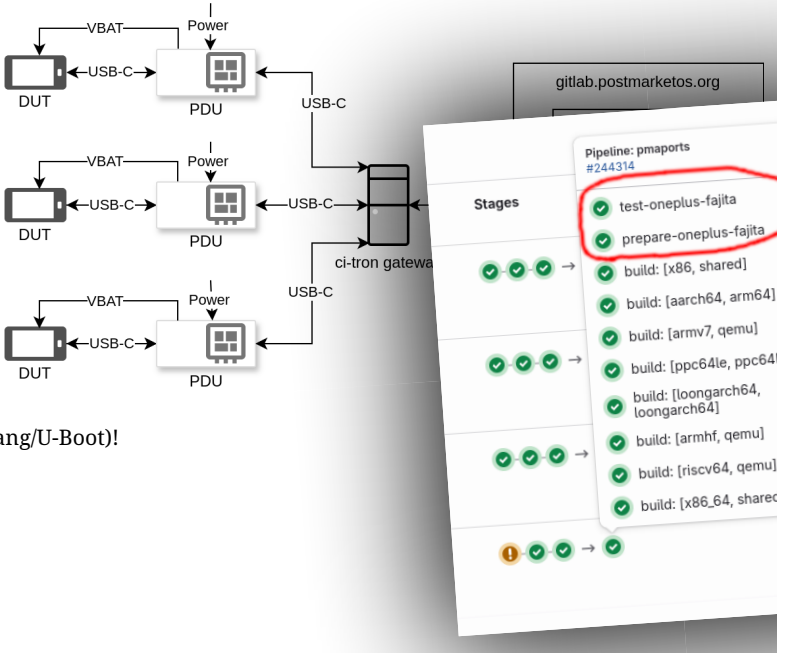

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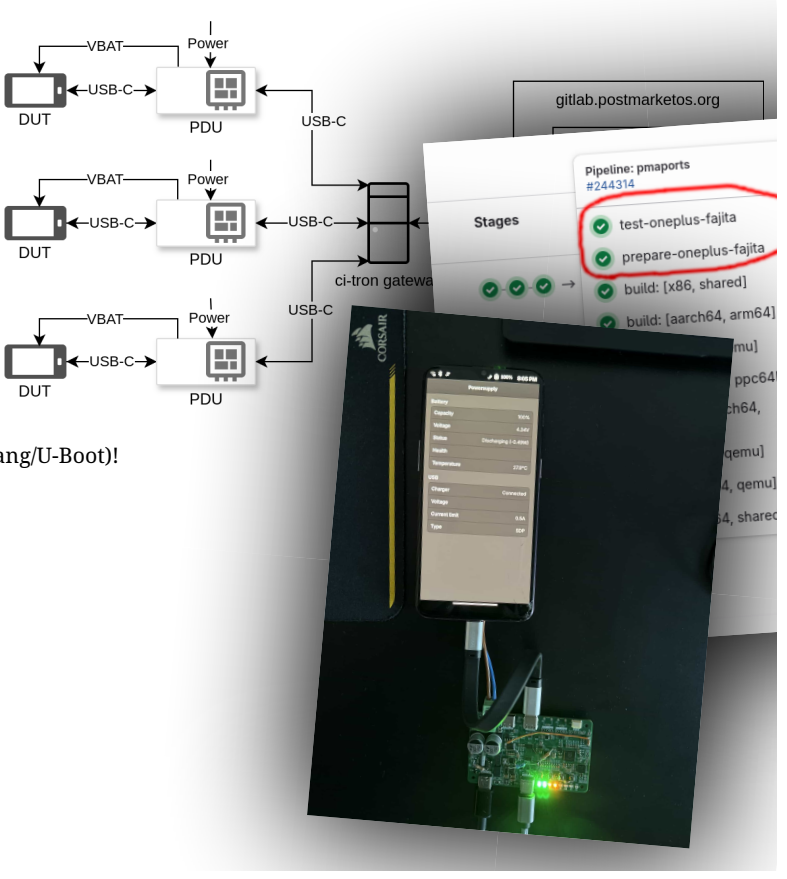

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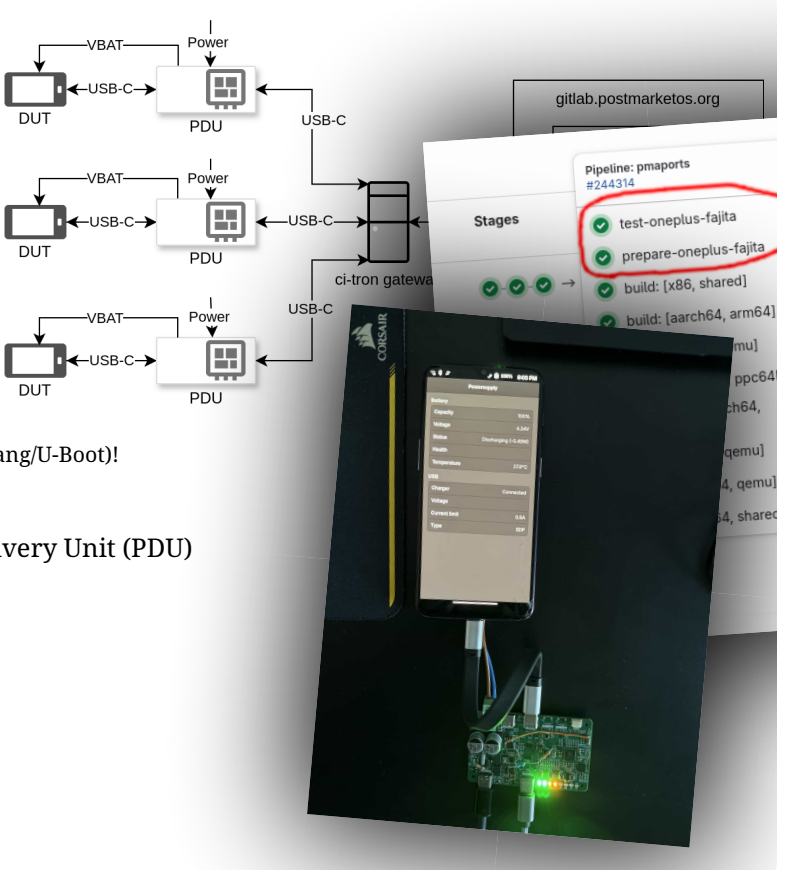

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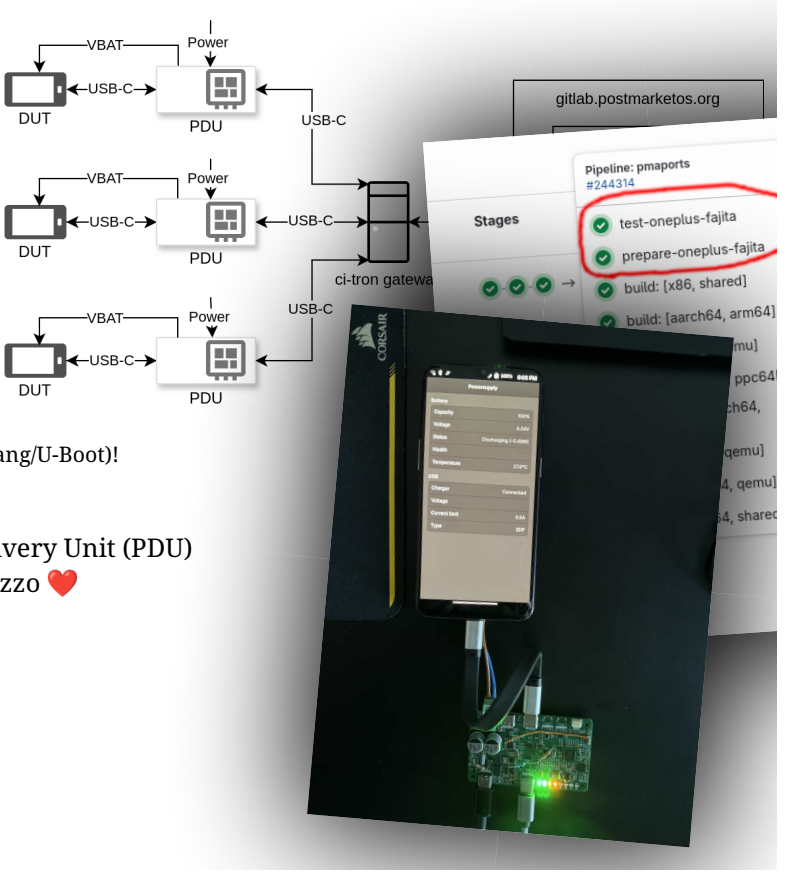

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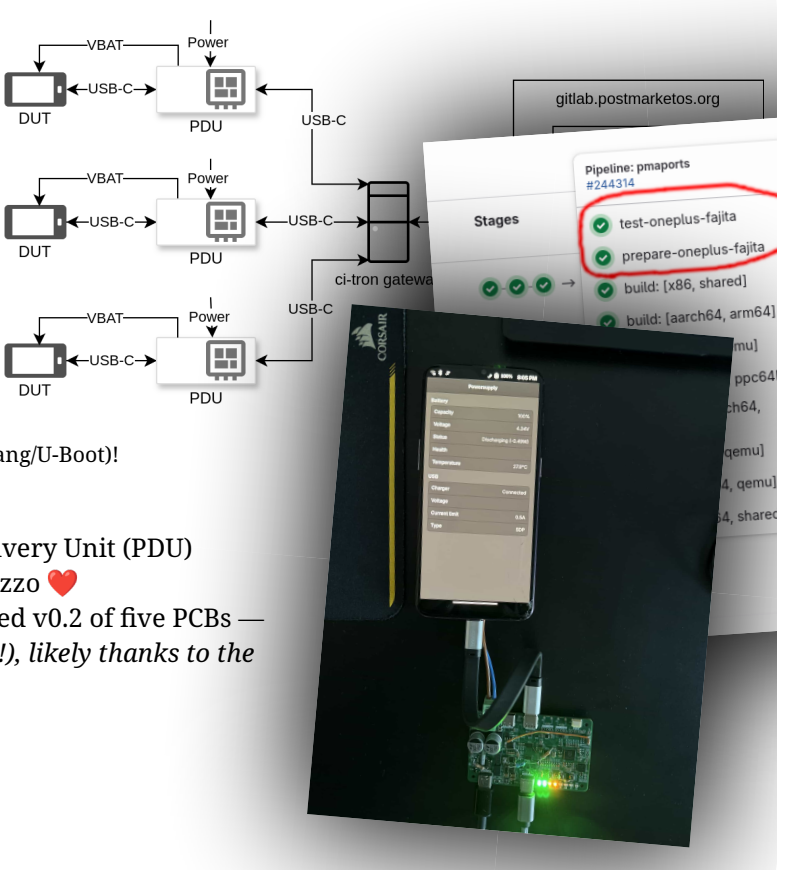

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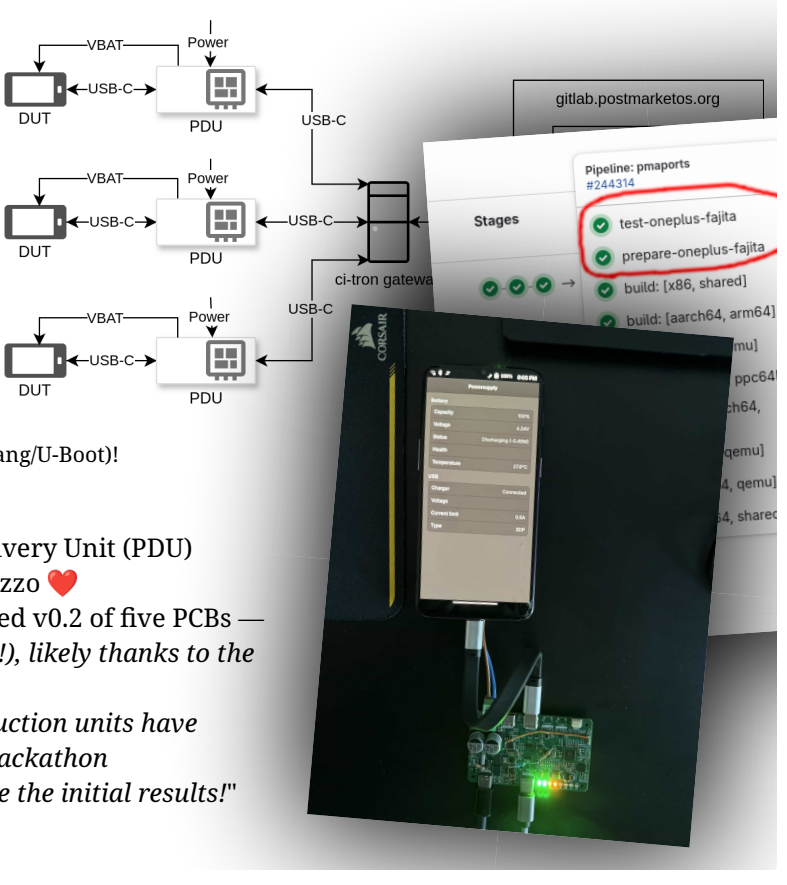

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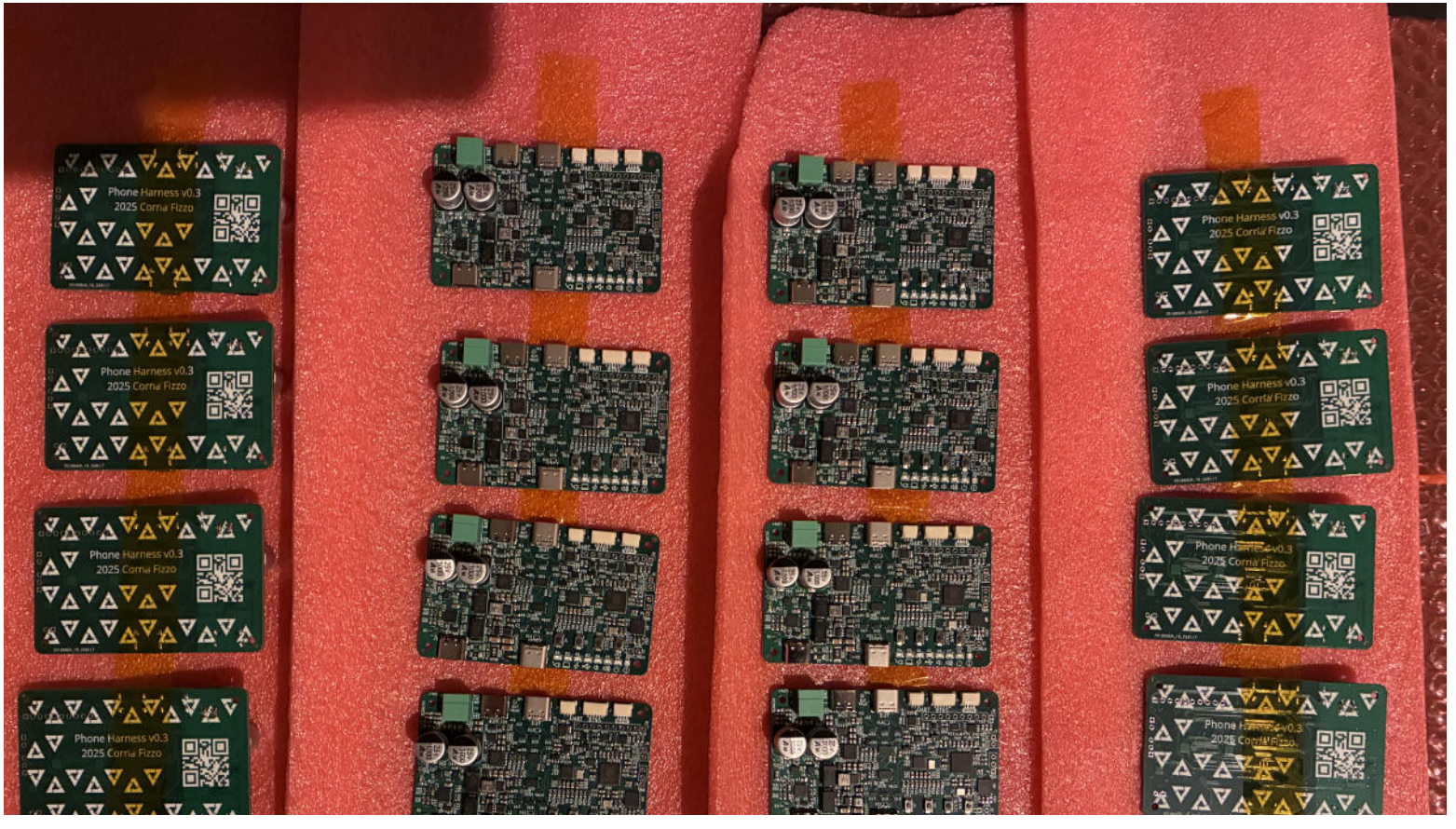
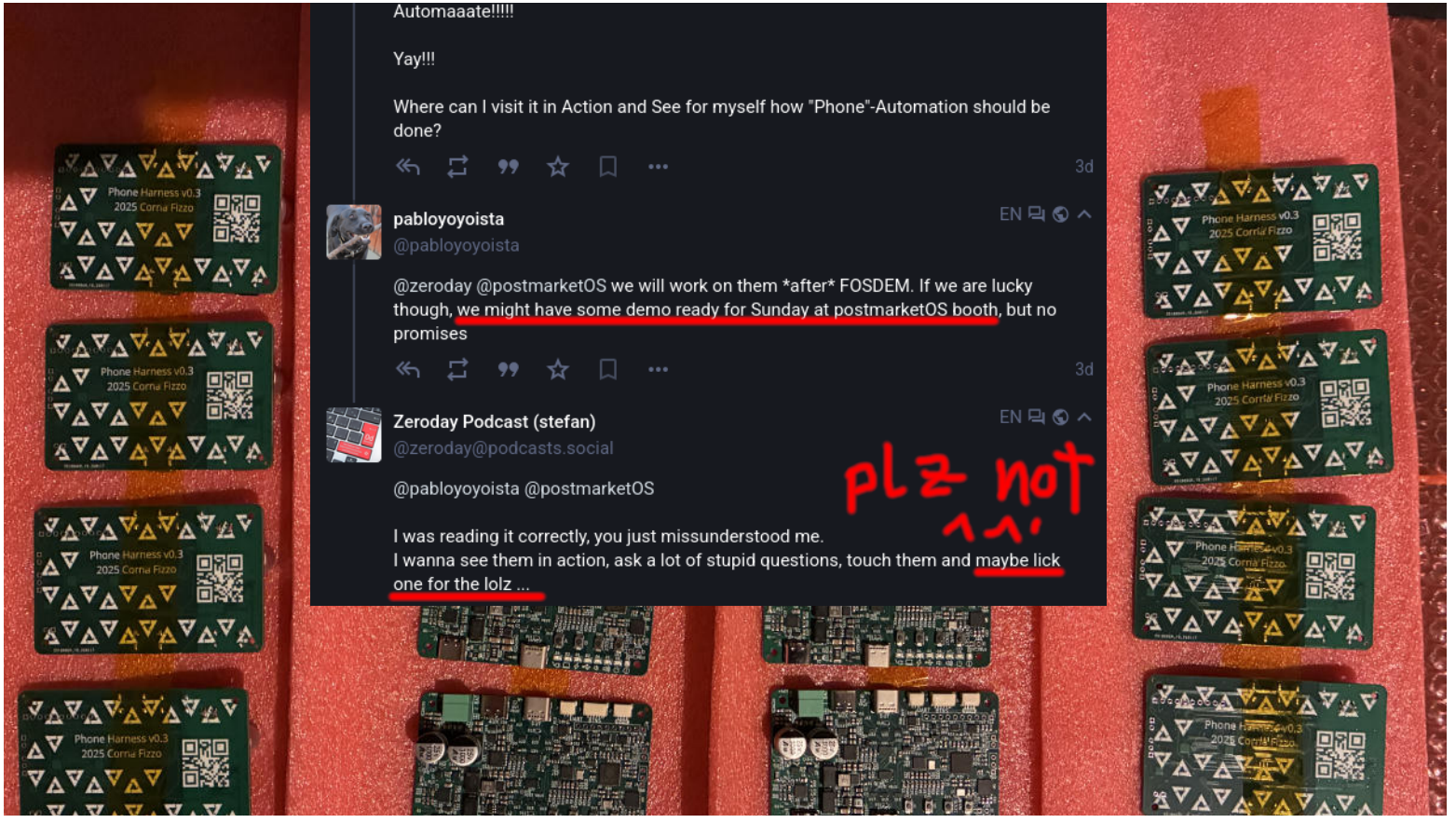
  - 2026-01-26 v0.3: *"[...] the first batch of the production units have just arrived! We'll start setting them up in the hackathon we're doing after #FOSDEM and we'll soon share the initial results!"*


Phone Harness v0.3
2025 Corna Fizzo


Automaaate!!!!!
Yay!!!
Where can I visit it in Action and See for myself how "Phone"-Automation should be done?
3d
pabloyoyoista
@pabloyoyoista
EN
@zeroday @postmarketOS we will work on them *after* FOSDEM. If we are lucky though, we might have some demo ready for Sunday at postmarketOS booth, but no promises
3d
Zeroday Podcast (stefan)
@zeroday@podcasts.social
EN
@pabloyoyoista @postmarketOS
I was reading it correctly, you just missunderstood me.
I wanna see them in action, ask a lot of stupid questions, touch them and maybe lick one for the lolz ...
plz not
Phone Harness v0.3
2025 Corna Fizzo

Finishing the puzzle 

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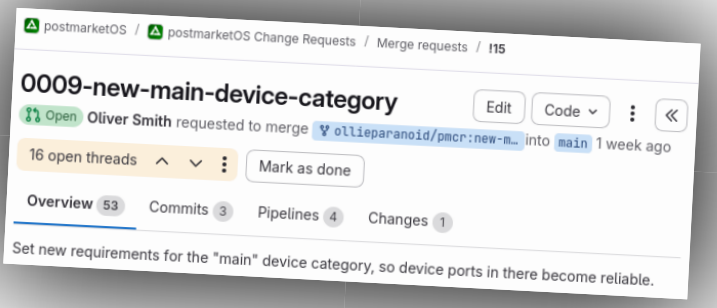
- PMCR-0009: new *main* device category



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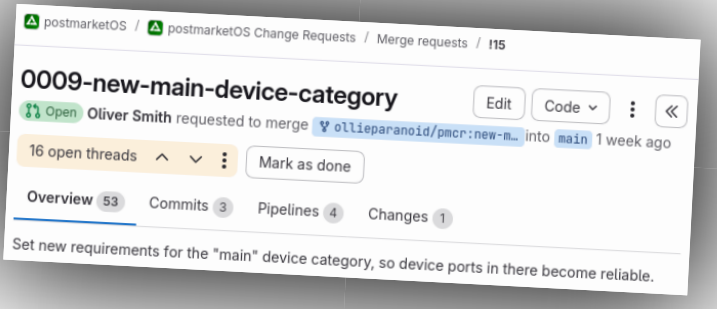

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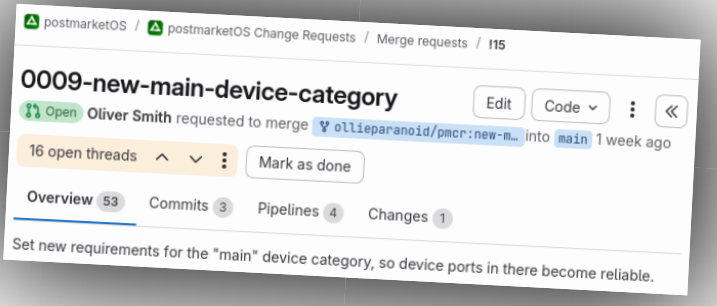

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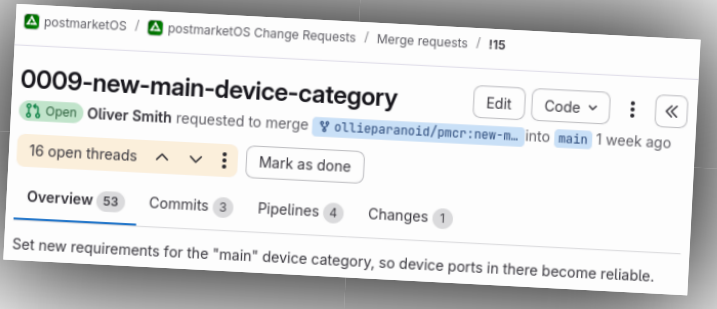

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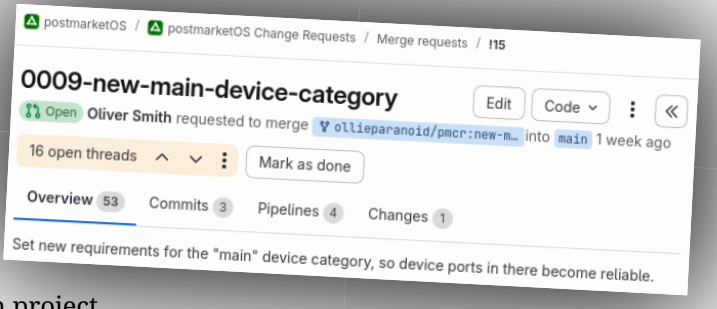

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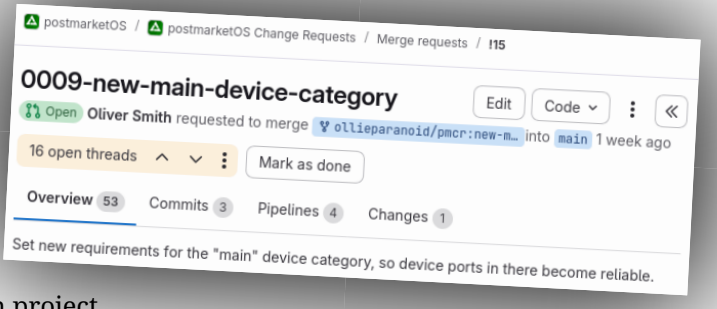

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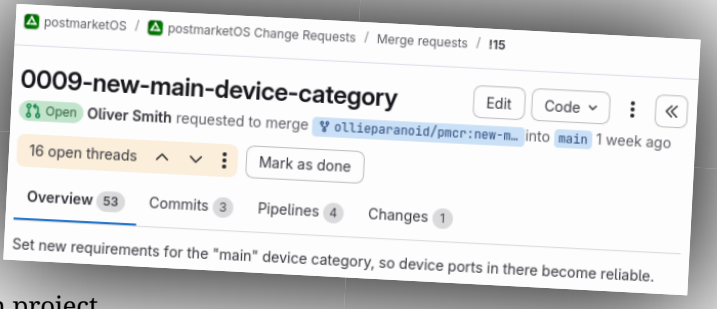

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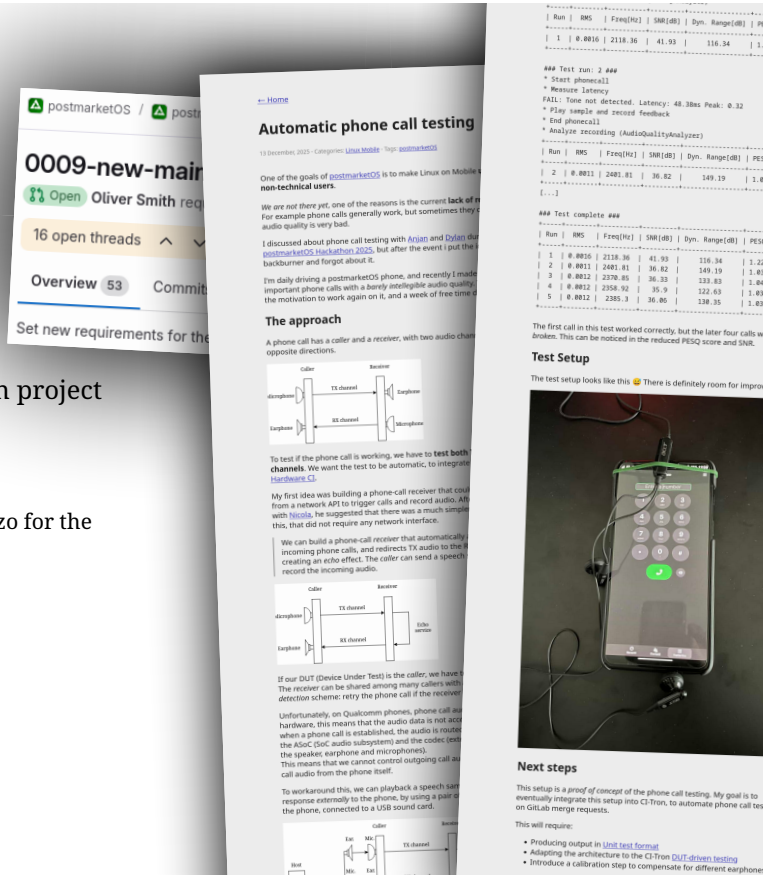

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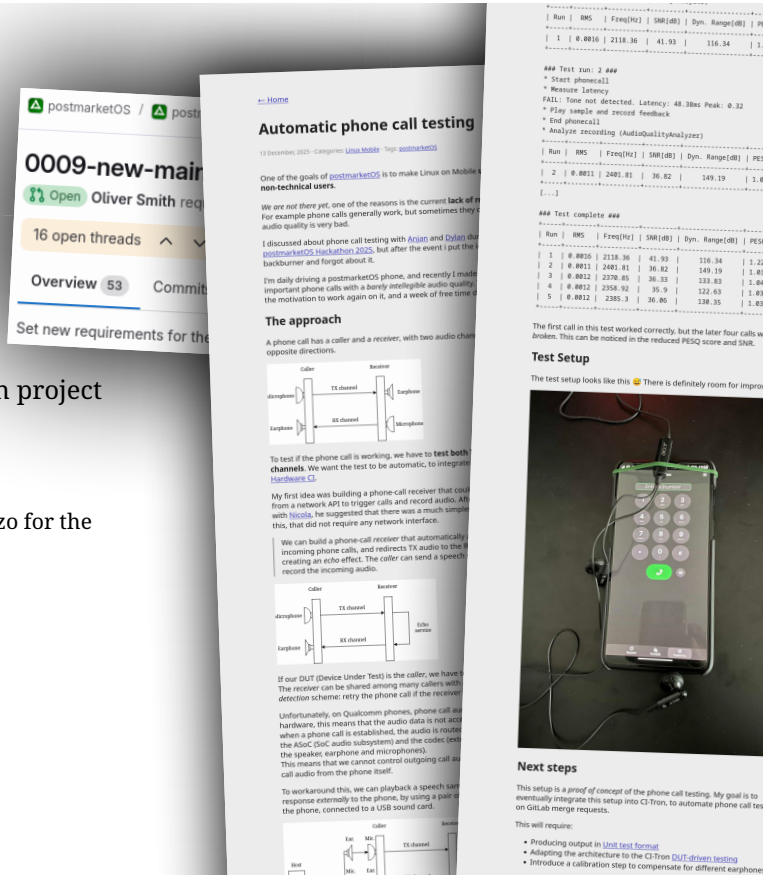

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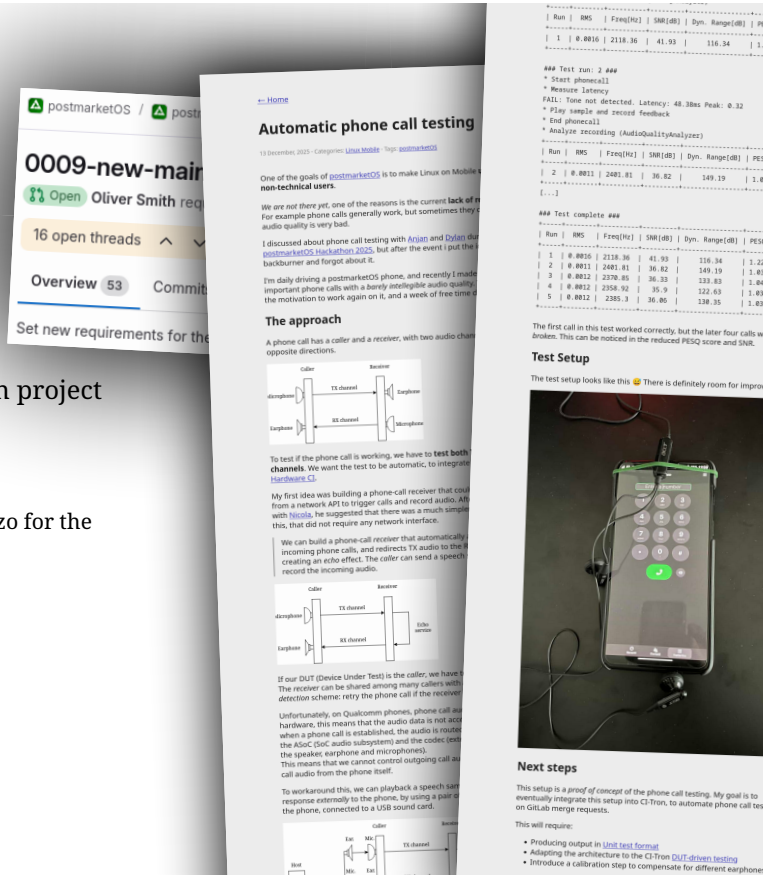

Finishing the puzzle 🧩

- PMCR-0009: new *main* device category
  - new requirement: automated HW testing!
- Set up automated test farms
  - 2 hackspaces are working towards this
  - Luca plans to set one up at Fairphone as his own project
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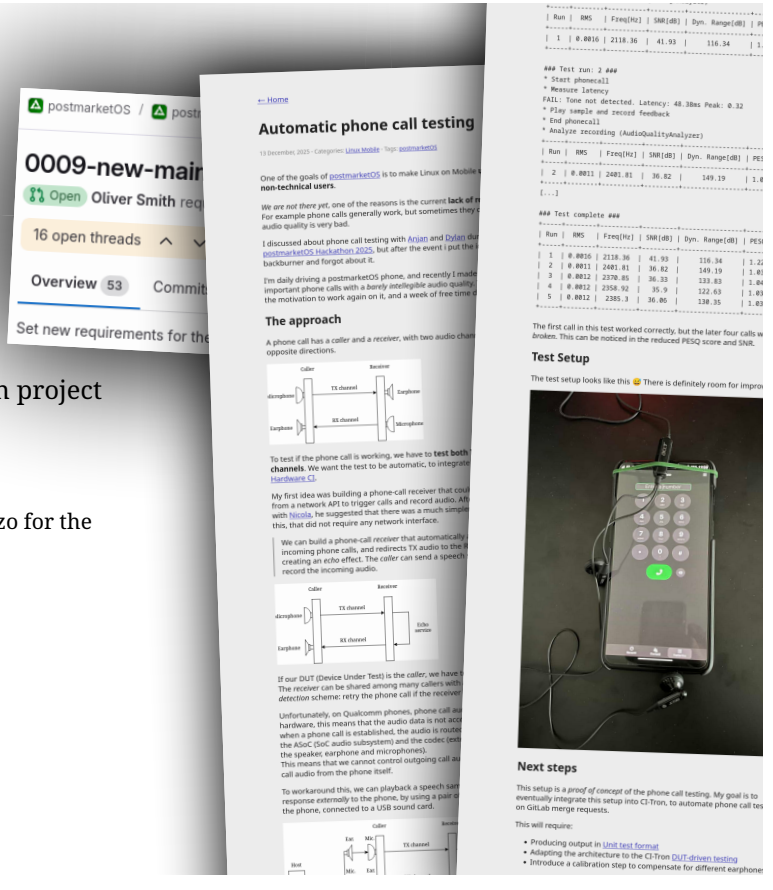

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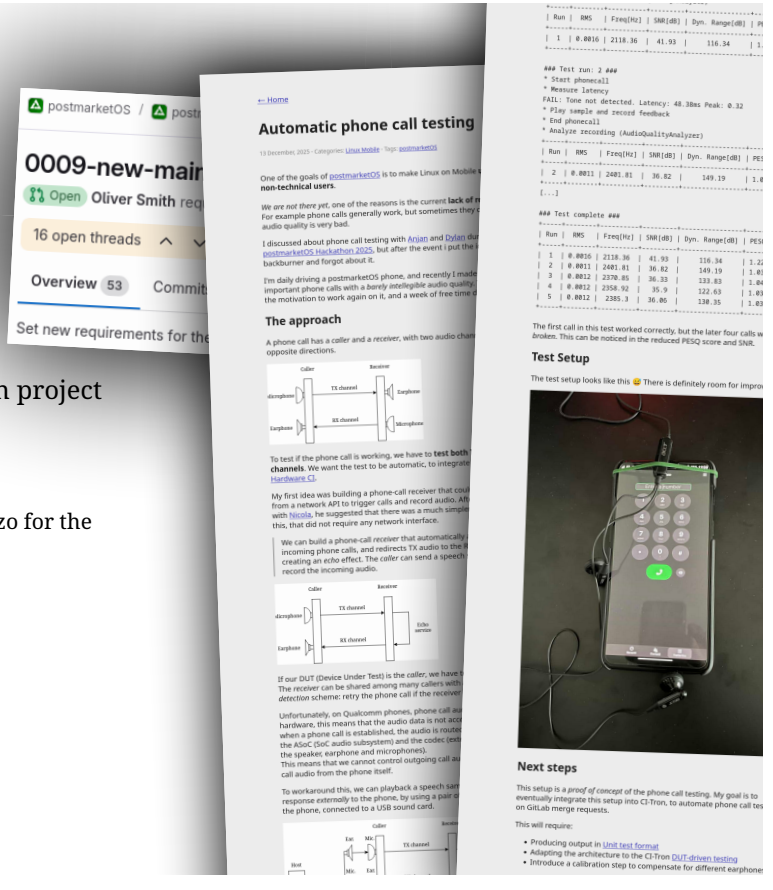

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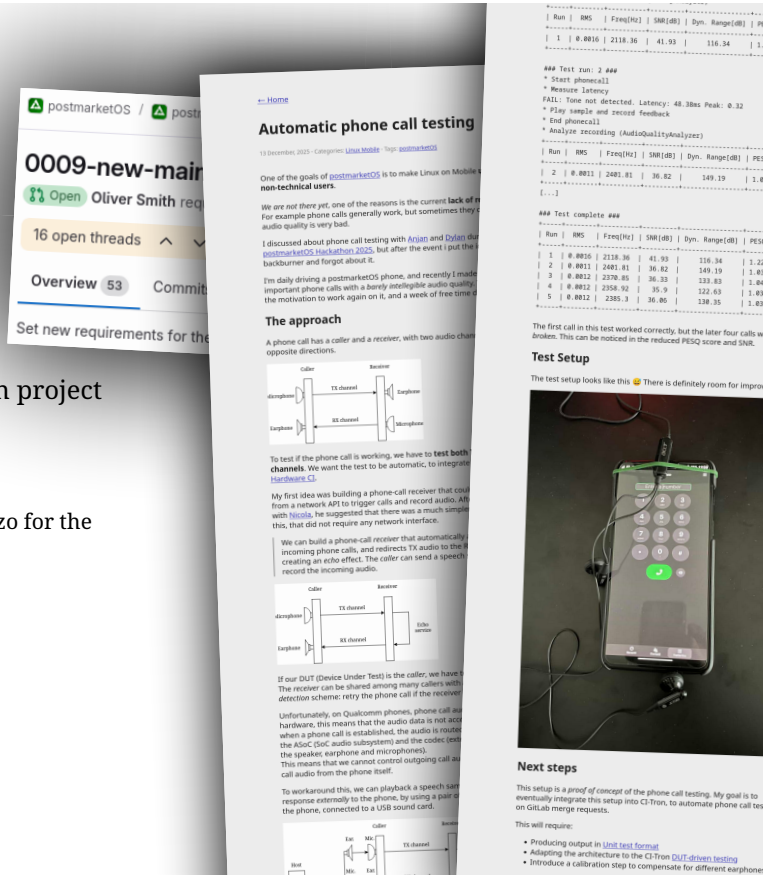

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postmarketOS in 2026-01: monthly blog post reboot

January 25, 2026 — 9 min. read

2026-01
monthly blog post reboot

A new year is a good opportunity to reflect on what has worked and what did not, and improve the things that didn't. We did that with the "monthly" blog posts, of which we had published the last one for October 2025. The reason that it took us so long to write these is, that we were trying to link every merge request that got merged since the previous post and write short summaries for most of them. While this results in a very detailed account of what has happened, it became less feasible over time as we had more contributions in postmarketOS. After a good conversation we decided to change the format to talk about the highlights and going into detail sometimes, instead of achieving a complete report of everything that has happened. One major goal of the previous approach was thanking all the amazing people who contributed to the project, but we solved that by just adding the contributor names in the blog post in a separate section.

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- Mainline kernel for Fairphones - 2026 update
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...as well as many more postmarketOS and Linux Mobile related talks in the FOSS on Mobile devroom!

Organizational

- Alexey M. stepped down as Trusted Contributor. He has been improving postmarketOS across the whole stack since 2019. Among lots of other things he created libapk-sit and used it to add an apk backend to KDE's Plasma Discover, which eventually found its way upstream. He also improved pmbootstrap, maintained multiple devices and kernels and did a lot of kernel and bootloader work. Thank you very much and all the best for your new endeavours!
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The Pinetime using Sway with both upstreamed configuration. Now in the community device category!

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- Stand in building UD level 2, we have stickers and demos!

Thanks to... ❤️

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- Everyone working on Alpine Linux or one of the many upstream projects we use
- Peter for LINMOB.net, LinuxPhoneApps.org, MCF work and a lot more
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- And of course: *thank you for listening!*