



CIP Technical Steering Committee Meeting

Date: 3rd June 2025.

Roll Call

TSC members (Alphabetical order by company name)

Attendees (Please change to **Bold**, if you attend this meeting) (Key shortcut: Ctrl+b)

Company	Members
AndesTech	Tim Shih-Ting OuYang (Representative) Simon TC Wang
Cybertrust Japan	Hiroataka Motai (Representative / CIP Core Chair Voting(1)) Hiraku Toyooka
Hitachi	Hidehiro Kawai (Representative) Takuo Koguchi
Linutronix	
Moxa	Jimmy Chen (Representative)
Renesas	Chris Paterson (CIP Testing WG Chair / Voting(1)) Kento Yoshida Kazuhiro Fujita (Representative / Voting (2)) Takehisa Katayama (Representative) Tomohiro Komagata (Representative / without vote)
Siemens	Jan Kiszka (Representative / Voting (2)) (Kernel Team Chair / Voting(1)) Wolfgang Mauerer (Representative) Urs Gleim Stefan Schroeder
Texas Instruments	Khasim Syed Mohammed (Representative / Voting(1)) Vignesh Raghavendra Sai Sree Kartheek Adivi

Toshiba	Adithya Balakumar Dinesh Kumar (Security WG lead) Kazuhiro Hayashi (Representative(2)) (Software Update WG Chair Voting(1)) Koshiro Onuki Nobuhiro Iwamatsu (Kernel Maintainer) Shivanand Kunijadar Yoshi Kobayashi (TSC Chair)
Denx	Pavel Machek (Kernel Maintainer)
	Ulrich Hecht (Kernel Maintainer)
Linux Foundation	John Mertic Regina Nkenchor

Total count of Votes: 10 / 11 (Note: Platinum 6 + Gold 1 + WG chairs 4)

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Discussions

Adding a new reference board

- [MOTION] CIP TSC approves adding the SK-AM62P-LP to the CIP reference hardware portfolio; this board will count as one of the two additional reference boards that Gold members are entitled to add under their membership benefits.
 - Information for new board
<https://docs.google.com/document/d/1iO4xlka2d4qBQBUUHUMIPt-ogamfmUog/edit?usp=sharing&oid=112068696829538991797&rtpof=true&sd=true>
 - Second: Siemens
 - Result: Approved without any objection.
 - Next step: Setting up the board to CIP board farm

Security Working Group

Things to promote

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Items need to be approved by TSC voting members

- None

Status updates

Summary of IEC-62443-4-2					
	Total assigned	in-progress (CIP side)	Under-BV-review	Completed	Not-Started
Toshiba	73	9	4	55	6
Siemens	46	4	13	28	0
Renesas	0	0	0	0	0
Total	119	13	17	83	6

- Next meeting with BV on 12th June
- SWG and BV are having regulate review meeting to review compliance checklist and clarified several queries
 - Total applicable 4-2 req: 119
 - In-progress: 13 (SWG doing rework and creating evidences for compliance)
 - **Completed: 83**
 - Under BV review: 17
 - Not started: 6
- CIP essential function is still under discussion as BV has suggested some examples based on use cases and asked SWG to identify right essential function (5 requirements pending due to essential function not finalized)
 - Provide audit logs for tracking user actions and events
 - Networking services which will be available via ethernet port, and it is essential for any data transfer from/to the device, as well as for remotely accessing the device.
- Investigation of tools to meet CR-1.8 and CR-1.9 for X.509 certificate verification and other certificate operations in progress
 - <https://github.com/siemens/libuta> for HW security management
 - <https://github.com/siemens/libsecutils> wrapper for openssl
 - <https://github.com/siemens/genccmpclient> a wrapper for CMP functionality in openssl and a simpler CLI
 - Setup at Siemens side in Prague in progress
- Threat Model document for M-COM created, identification of mitigations in progress, some of the mitigations will be for users and others for CIP platform

- https://docs.google.com/document/d/1dM3Hd-HE_98RCxzhBKkLLh5I-9KoWJ9JWSUXNUYqijQ/edit?tab=t.0
- NDR-5.02 RE(1) Deny all and permit by exception
 - SWG investigating policies supported by nftable to achieve this requirement, once BV confirms, security policy and tests will be added in IEC layer
- SWG used openssl client setup to provide evidences for CR-3.01 (communication integrity), it's accepted by BV
 - Next CR-3.08 session integrity evidences shared with BV waiting for BV feedback
- Autopkgtests activities update
 - Based on last discussion with BV, following are the key points
 - All the packages installed in CIP images don't need to have tests, packages required for meeting IEC requirements and their dependencies should have tests
 - Based on this information SWG will list all the packages used for meeting IEC requirements their dependencies will be verified for having tests
- SWG initiated survey about supporting backup/restore in isar-cip-core, based on survey results further action to be decided
- My CFP at OSS-Eu 2025 was not accepted.

Discussions

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Kernel Team Working Group

Items need to be approved by TSC voting members

- none

Things to promote

- <https://www.cip-project.org/blog/2025/05/26/cip-is-now-supporting-five-slts-kernels>

Status updates

- **CIP IRC weekly meeting**
 - Logs
 - [May 22](#)
 - [May 29](#)
- **CIP kernel releases**
 - 4.4
 - none
 - => all on schedule
 - 4.19
 - v4.19.325-cip120-rt42 on May 22 by Pavel
 - => all on schedule

- 5.10
 - none
 - => all on schedule
- 6.1
 - none
 - => all on schedule
- 6.12
 - none
 - => all on schedule
- **Business as usual**

Discussions

- **Are there other users of PowerPC32 with CIP kernel interest?**
 - Some product line at Siemens expressed interest in using that arch with CIP
 - Remaining life-time of devices go way into the 2030s
 - Promising discussion with Yocto project to keep PowerPC32 as “Tier 2” architecture
 - Could be interesting as pattern source for a future smooth off-boarding of ARM32
- FYI
 - <https://www.mail-archive.com/debian-kernel@lists.debian.org/msg142897.html>
 -

CIP Core Working Group

Items need to be approved by TSC voting members

- None

Things to promote

- None

Past minutes

- [past meetings](#)

Status updates

- [no update] Core package management for Debian LTS
 - ~2025/7: package proposals for Debian 11,12
- **[update] isar-cip-core**
 - **Add support for 6.12-cip kernel ([commit](#))**
 - **Add linux-cip-%-[head.bb](#) recipes ([commit](#))**
 - **Drop pinning on snapshot version for Trixie ([commit](#))**
 - EROFS testing & evaluation: [investigation document](#)
 - **TI members tried to boot isar-cip-core on AM62P platform**
 - **SWUpdate and Secure boot supported.**

- [AM62P_ CIP Reference Hardware Proposal.docx](#)
- **[minor update]** Testing
 - (WIP) Physical board support
 - Issue 1 (Done): Board list for CIP Core testing
 - Issue 2 (Done): Methods to install disk image automatically before tests
 - Issue 3 (Not started): Optimization of test patterns
 - **[done]** Discussed rule about symlink of AIDE in bookworm ([debian BTS](#)). **MR is merged.**
- [no update] Debian 13 trixie support
 - (no update) [EFI Boot Guard issue due to gnu-efi update](#)
 - No feedback from the maintainer yet. gnu-efi is still 3.0.18-1
 - discuss trixie support in WG.

Discussions

- None

CIP Testing Working Group

Items need to be approved by TSC voting members

- None

Things to promote

- None

Status updates

- GitLab Open Source program license renewal accepted and renewed until e/June 2026

Software Update Working Group

Items need to be approved by TSC voting members

- None

Status updates

- TUF
 - (WIP) Implementing small TUF client
 - As the first step, testing go-tuf & the latest RS-TUF, fixing issues in server side
- Delta update
 - Delta update support for kernel binary
 - Step1 (WIP): Support rdiff_file in RR handler (~2025-06)
 - [The MR](#) is under review. Unit tests added.
 - Step2: Support the updated handler in isar-cip-core (~2025-07)

- wfx
 - Enable on-boarding features (for more efficient device management) (~2025-06)
 - [The MR](#) is under review
 - Components
 - (WIP) wfx on-boarding client (device side) : Implementing
 - Based on a new feature introduced in SWUpdate 2025.05
 - wfx plugin (server side) : Implemented
 - wfx workflow (server side) : Implemented

Discussions

- None

Other topics

Event planning

Event schedule / plan

- <https://docs.google.com/spreadsheets/d/1RdhiG5-vYj1YVbFZwxd0EXS37Wsg7y204CzNwsuuo5o/edit?usp=sharing>
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Open Source Summit Europe 2025

- Sponsor: Silver
- Talks
 - Civil Infrastructure Platform: State of Industrial Grade Linux (Linux / Speaker: Yoshi / Dinesh)
 - Easily Generating Debian-Based Embedded Systems (ELC / Speaker: Clara / Felix)
- Complimentary ticket
 - Platinum 2
 - Gold 1
 - The rest of complimentary ticket will be distributed by request basis. (Prioritize for CIP booth staff)

CIP Mini Summit Europe 2025

- Date: August 28, 2025
 - <https://events.linuxfoundation.org/open-source-summit-europe/features/co-located-events/#civil-infrastructure-platform-mini-summit>
- Drafted the event page for CIP Mini Summit
 - https://docs.google.com/document/d/1wQjTg_d0-F6gYMD3RDvVhiOj4eFUrgCsk9R8Hj3l0n0/edit?usp=sharing

DebConf 2025

- Sponsor: Silver
 - <https://debconf25.debconf.org/sponsors/>
- Talks?
 - Final submission deadline: May 25th.
 - <https://debconf25.debconf.org/cfp/>
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Open Source Summit Japan

- Sponsor: Silver
- December 8-10 | Tokyo, Japan
- CFP Closes: August 4 (Monday) at 15:59 JST (UTC+9) / August 3 (Sunday) 23:59 PDT (UTC -7)
- CFP Notifications: September 12 (Friday)
- Schedule Announcement: September 18 (Thursday)
- Event Dates: 2025, December 8 -10 (Monday – Wednesday)

Linux Plumbers Conference 2025

- December 11-13 | Tokyo, Japan
- CFP Closes: August 4 (Monday) at 15:59 JST (UTC+9) / August 3 (Sunday) 23:59 PDT (UTC -7)

OpenSSF badge program

- <https://www.bestpractices.dev/en>
- (Action: Yoshi) Work on this

Upcoming TSC meetings

- **Date: June 17th, 2025**
- Start time: 13:00h UTC. ([Local time in your timezone](#))
- NOTE: DST information
 - US DST start: The second Sunday of March
 - US DST end: the first Sunday of November
 - EU DST start: The last Sunday of March
 - EU DST end: The last Sunday of October