Dasharo Roadmap

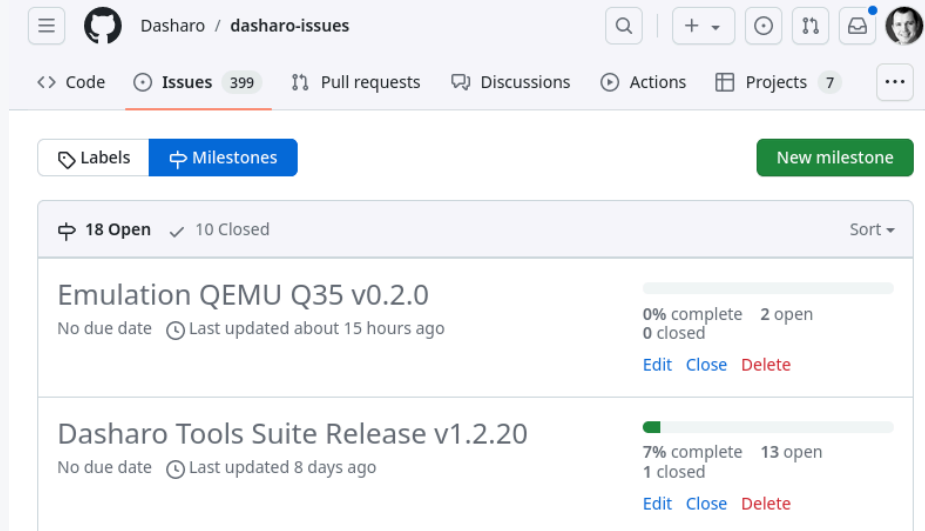👋 Dasharo User Group #6 🎉

"A GOAL WITHOUT A PLAN IS JUST A WISH."

ANTOINE DE SAINT-EXUPÉRY

Please note that the roadmap for the Dasharo Community Support Program is subject to change and may not represent final release candidates or end of support dates. This roadmap is intended to provide guidance and direction for the program's development, but is not a guarantee of specific timelines or outcomes. For more information on release candidates or release dates, please contact the Dasharo Team directly.
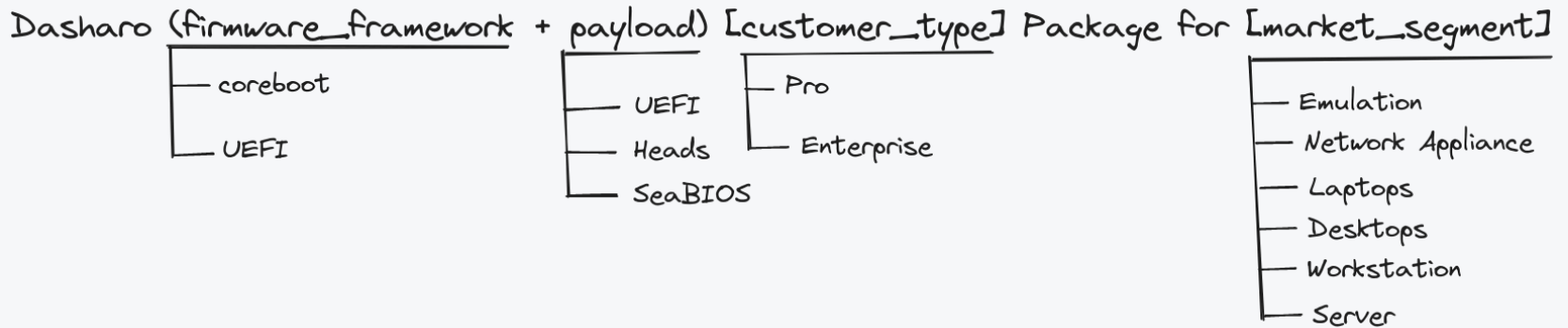
- For those watching this presentation first time we really encourage to look at past videos to get better context and understanding of the format.
  - DUG#5, DUG#4, DUG#3, DUG#2, DUG#1
- We introduced statistics about our planning and execution effort.
- We decided to limit development stages we put on roadmap. Overall we are care about releases.
- All releases can be tracked as milestones in Dasharo Issues repo on Github

Dasharo (firmware_framework + payload) [customer_type] Package for [market_segment]

- firmware_framework:
  - coreboot
  - UEFI

- payload:
  - UEFI
  - Heads
  - SeaBIOS

- customer_type:
  - Pro
  - Enterprise

- market_segment:
  - Emulation
  - Network Appliance
  - Laptops
  - Desktops
  - Workstation
  - Server

- [RFC] Dasharo Entry Subscription naming scheme #762 issue
- [RFC] Initial documentation of Dasharo Product Naming Convention #820 PR

Examples

`Dasharo (coreboot+Heads) Pro Package for Laptop`

A package aimed at professional retail customers with laptops, incorporating coreboot with the Heads payload.

`Dasharo (UEFI) Enterprise Package for Desktop`

A package for enterprise business customers for desktops, employing UEFI with no additional payload specified.

Plan

- Q2'24 Announcement - happen right now
- Q3-Q4'24 Transition Period - we use both naming schemes
- EOQ4'24 Switch - we switching to new naming scheme

Number of Dasharo Public Releases in time

Dasharo Public Releases per market segment

Legend:
- Emulation (1.4%)
- Network Appliance (21.4%)
- Laptop (45.7%)
- Desktop (18.6%)
- Workstation (12.9%)
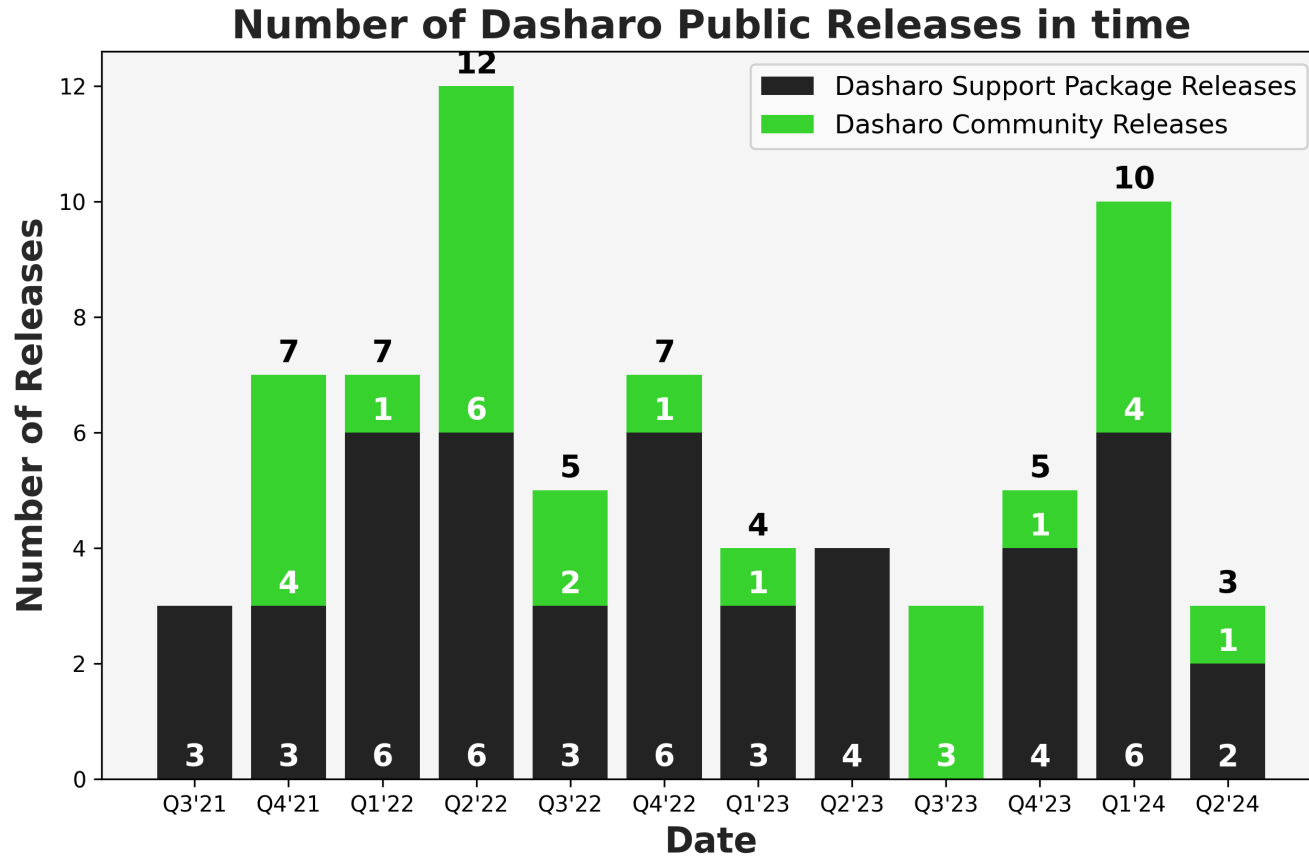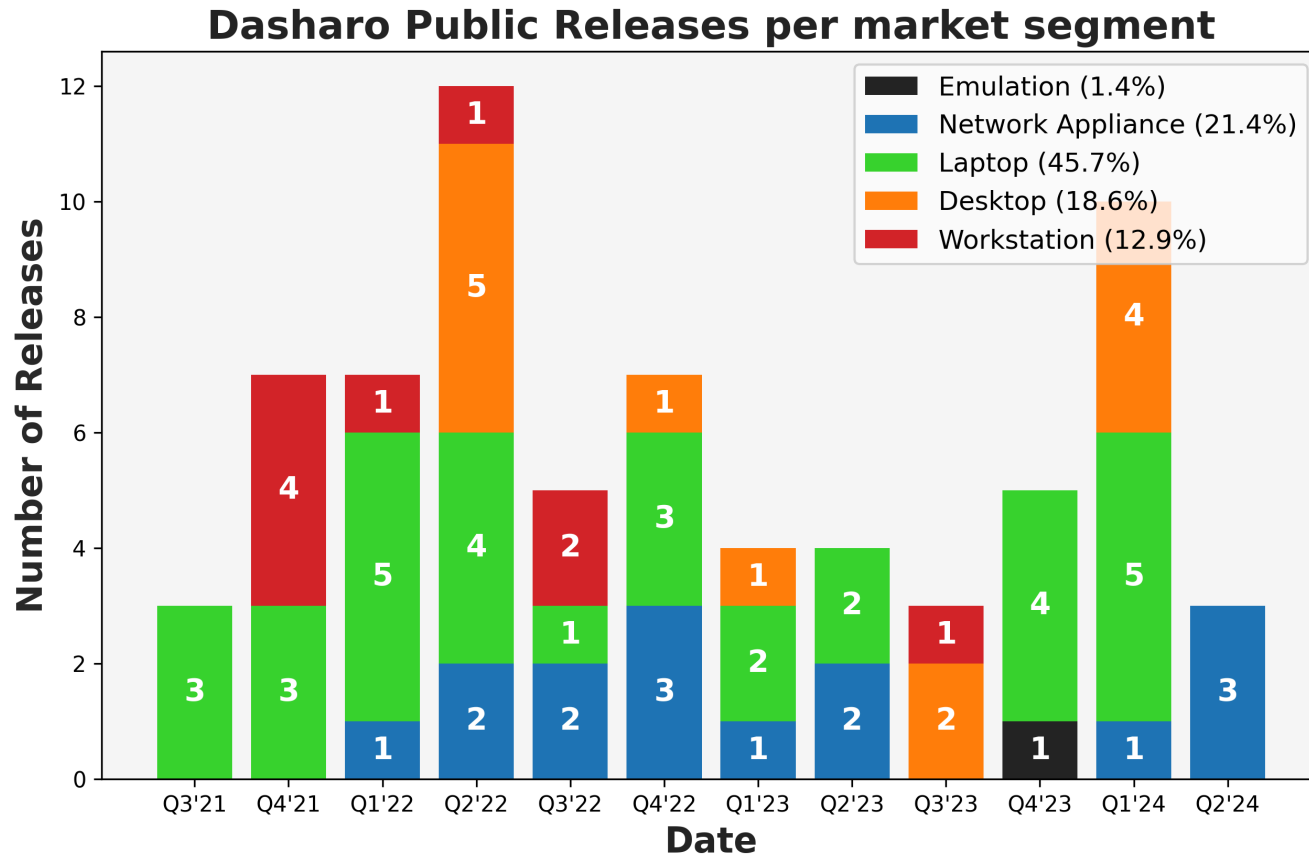
Dasharo Roadmap Status Overview

DASHARO

Dasharo Emulation Roadmap
subject to change

Year 2023	Year 2024		
Q4	Q1	Q2	Q3

QEMU Q35 UEFI v0.1.0
- Validation
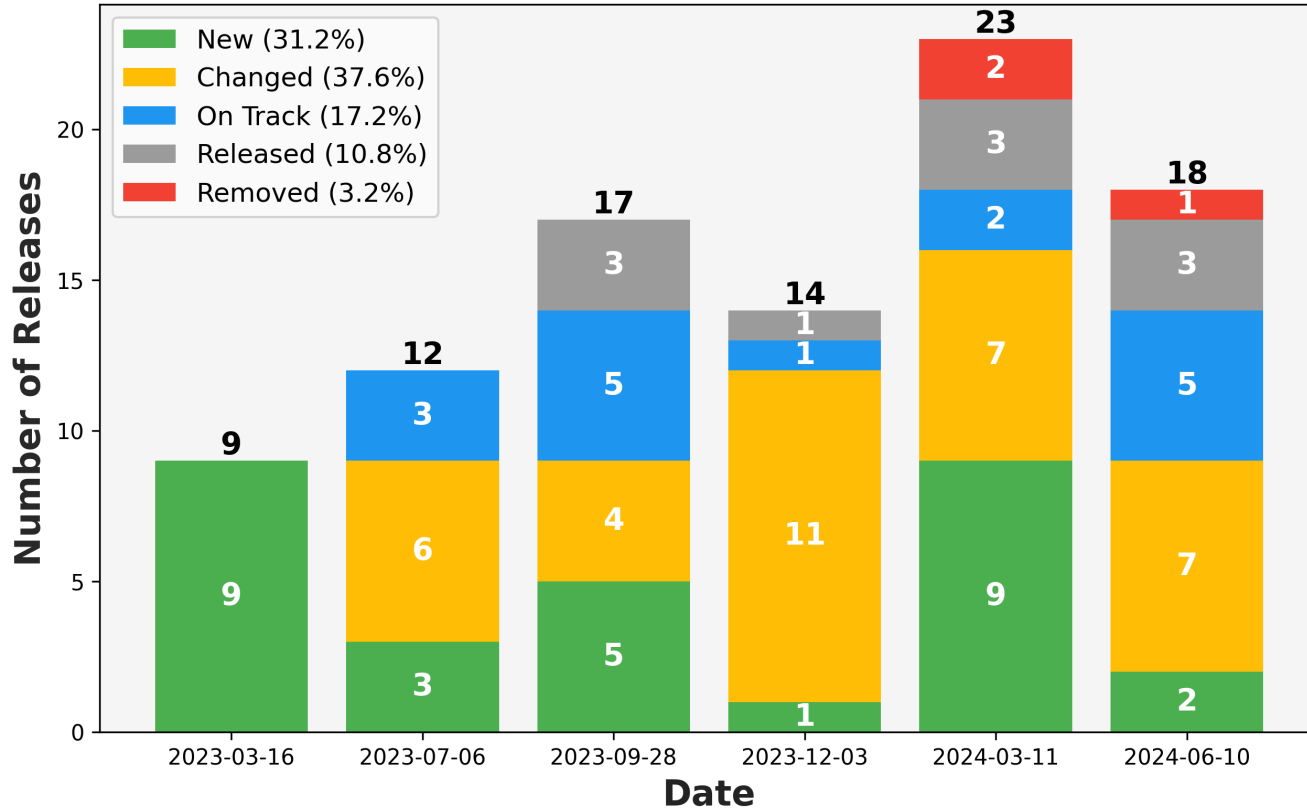- Community Release

coreboot+UEFI v0.2.0
- Community Release

Dasharo Community Support Roadmap | June 2024 (v0.6) | CC-BY-SA-4.0

- **v0.2.0 milestone** is planned for Q2'24, instead of Q3'24
- This release will be based on coreboot+UEFI, instead of pure UEFI as before.
- The goal is to provide platform for testing **UEFI Capsule Updates in coreboot**.

Dasharo Network Appliance Roadmap
subject to change

Year 2024			
Q1	Q2	Q3	Q4

PC Engines apu2/3/4/6 coreboot+UEFI v0.9.0 — Validation, DES Release

coreboot+UEFI v0.9.1 — DES Release

coreboot+SeaBIOS v24.05.00.01 — DES Release

coreboot+SeaBIOS v4.0.34 — DES Release

Dasharo Community Support Roadmap | June 2024 (v0.6) | CC-BY-SA-4.0
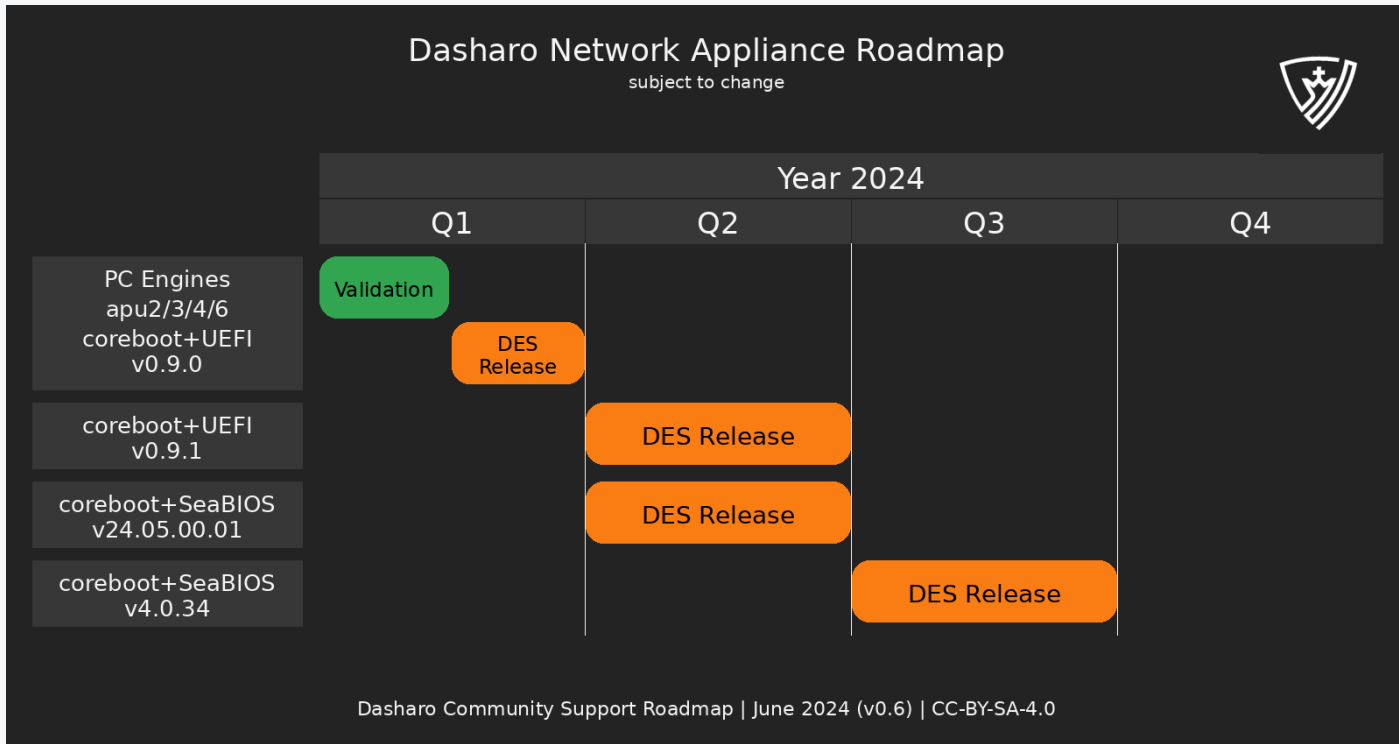
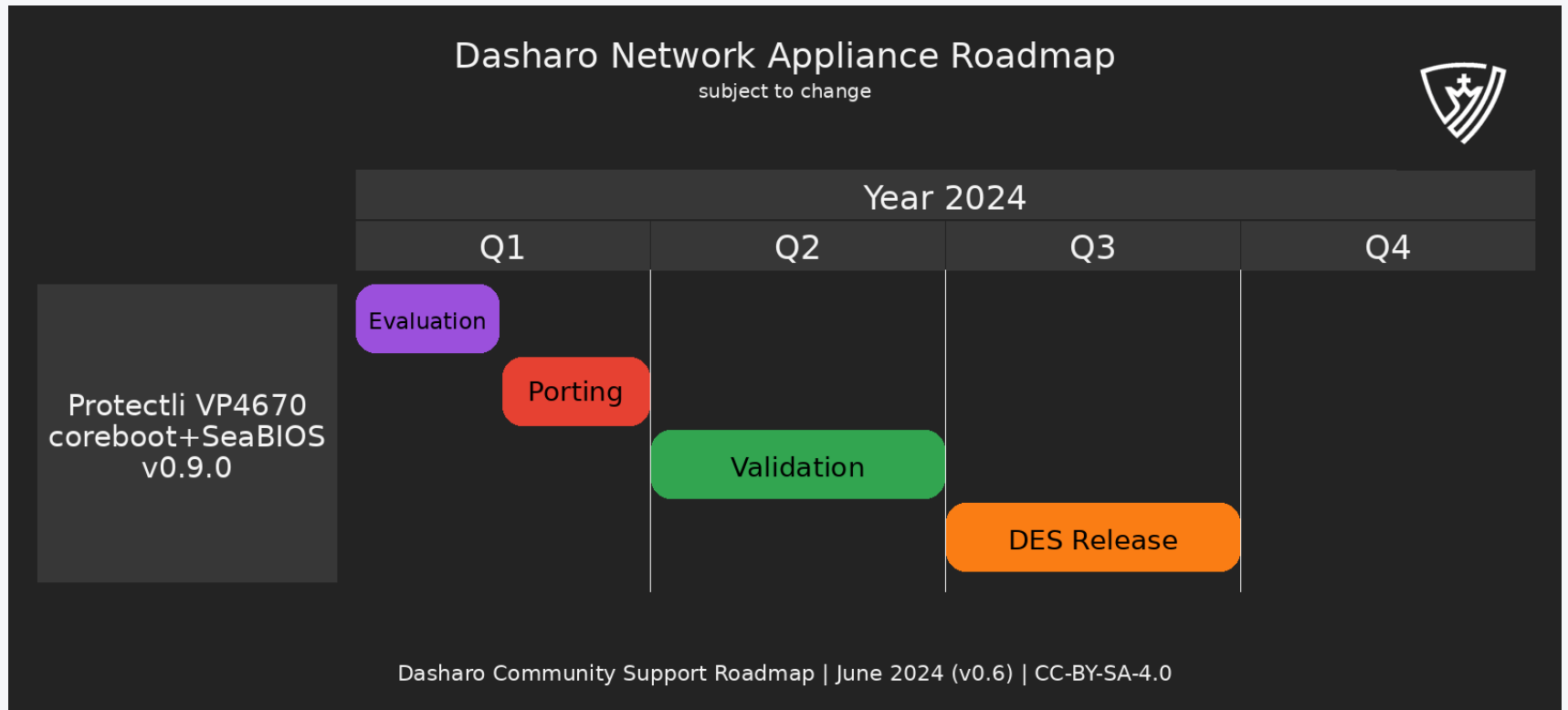- Dasharo(coreboot+UEFI) v0.9.0 was released according to plan.
- v0.9.1 was added for Q2'24.
- Dasharo(coreboot+SeaBIOS) version changed to v24.05.00.01.
- v4.0.34 was delayed by one quarter.

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99,00 EUR

- Personal use (<= 5 devices):
    - Dasharo (coreboot+SeaBIOS): https://dasharo.com/pcengines/buy/seabios
- Business inquiries, volume sales, OSS support:
    https://www.dasharo.com/pages/contact

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Dasharo Network Appliance Roadmap
subject to change

Year 2024			
Q1	Q2	Q3	Q4

Protectli VP4670 coreboot+SeaBIOS v0.9.0

- Evaluation
- Porting
- Validation
- DES Release

Dasharo Community Support Roadmap | June 2024 (v0.6) | CC-BY-SA-4.0

- Miczyg presented demo on **Xen Summit 2024**, video coming
- DES Release had to be delayed by one quarter because of other projects.
- Release will be based on coreboot+SeaBIOS as UEFI support needs more time.

Dasharo Network Appliance Roadmap
subject to change

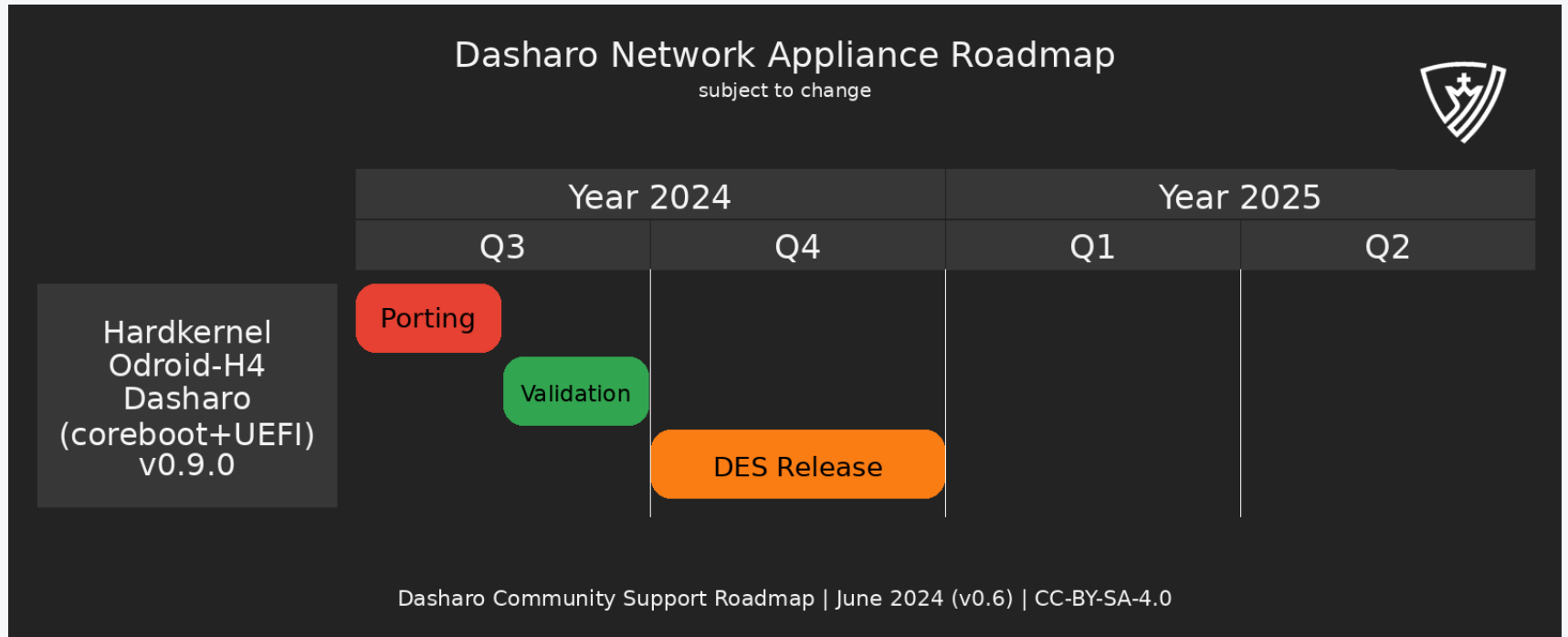| Year 2024			
Q1	Q2	Q3	Q4

MinnowBoard Turbot Dasharo (coreboot+UEFI) v0.9.0

- Porting
- Validation
- DES Release

Dasharo Community Support Roadmap | June 2024 (v0.6) | CC-BY-SA-4.0
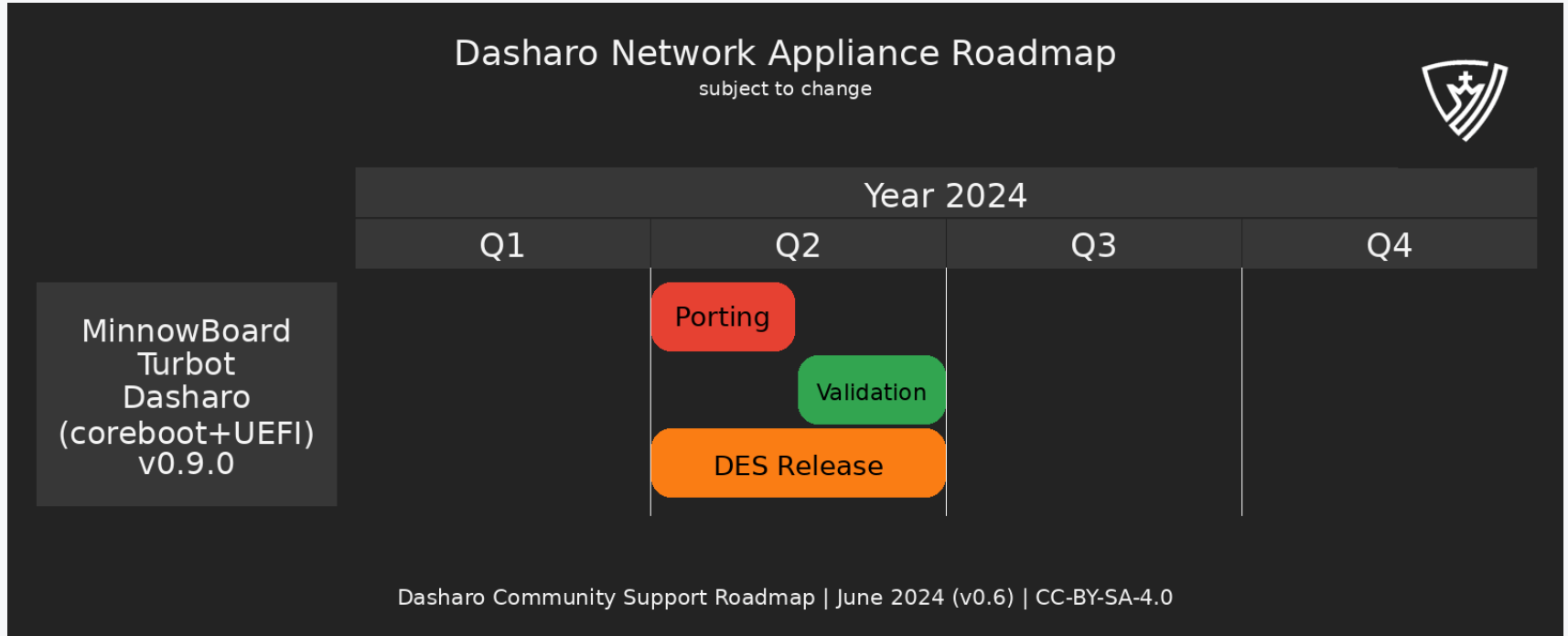
- Because of the issues we faced with FSP while enabling TXE we decided to switch to upstream version.
- Release will be based on coreboot 24.02.01
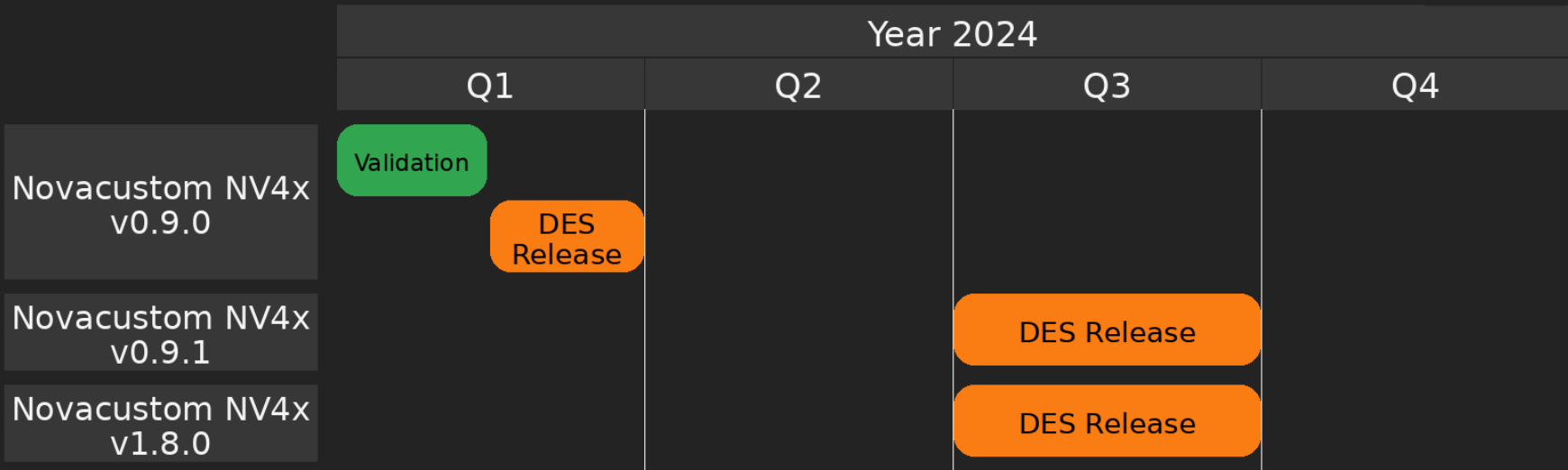- Commercial support for Dasharo TrustRoot:
  https://www.dasharo.com/pages/contact

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Dasharo Network Appliance Roadmap
subject to change

	Year 2024		Year 2025	
	Q3	Q4	Q1	Q2
Hardkernel Odroid-H4 Dasharo (coreboot+UEFI) v0.9.0	Porting / Validation	DES Release		

Dasharo Community Support Roadmap | June 2024 (v0.6) | CC-BY-SA-4.0

- As part of our activity on hardwear.io in OST2 conference we would like to made this port with goal of gaining modern and relatively cheap training platform.
- Depending on CPU and hardware issues we may port other H4 models.
- We reached out to Hardkernel asking for cooperation.

Dasharo Laptop Roadmap
subject to change

	Year 2024			
	Q1	Q2	Q3	Q4
Novacustom NV4x v0.9.0	Validation / DES Release			
Novacustom NV4x v0.9.1			DES Release	
Novacustom NV4x v1.8.0			DES Release	

- Commercial support for Dasharo TrustRoot using Dasharo or Customer Keys

DASHARO

Dasharo Desktop Roadmap
subject to change

Year 2024			
Q1	Q2	Q3	Q4

Lenovo ThinkCentre M700/M900 Tiny v0.9.0

- Evaluation
- Porting
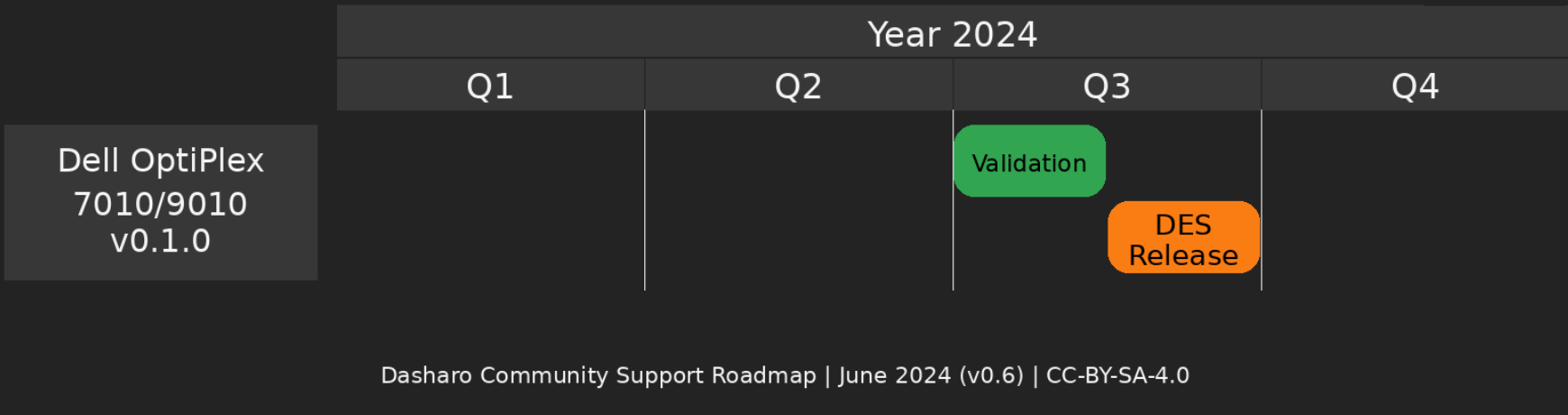- Validation
- DES Release
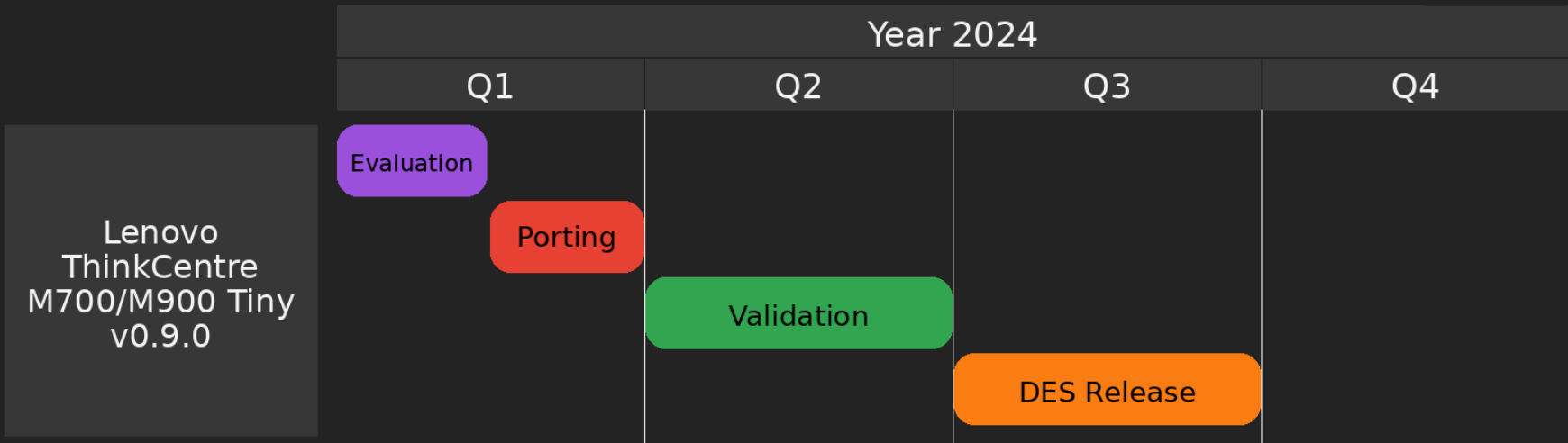
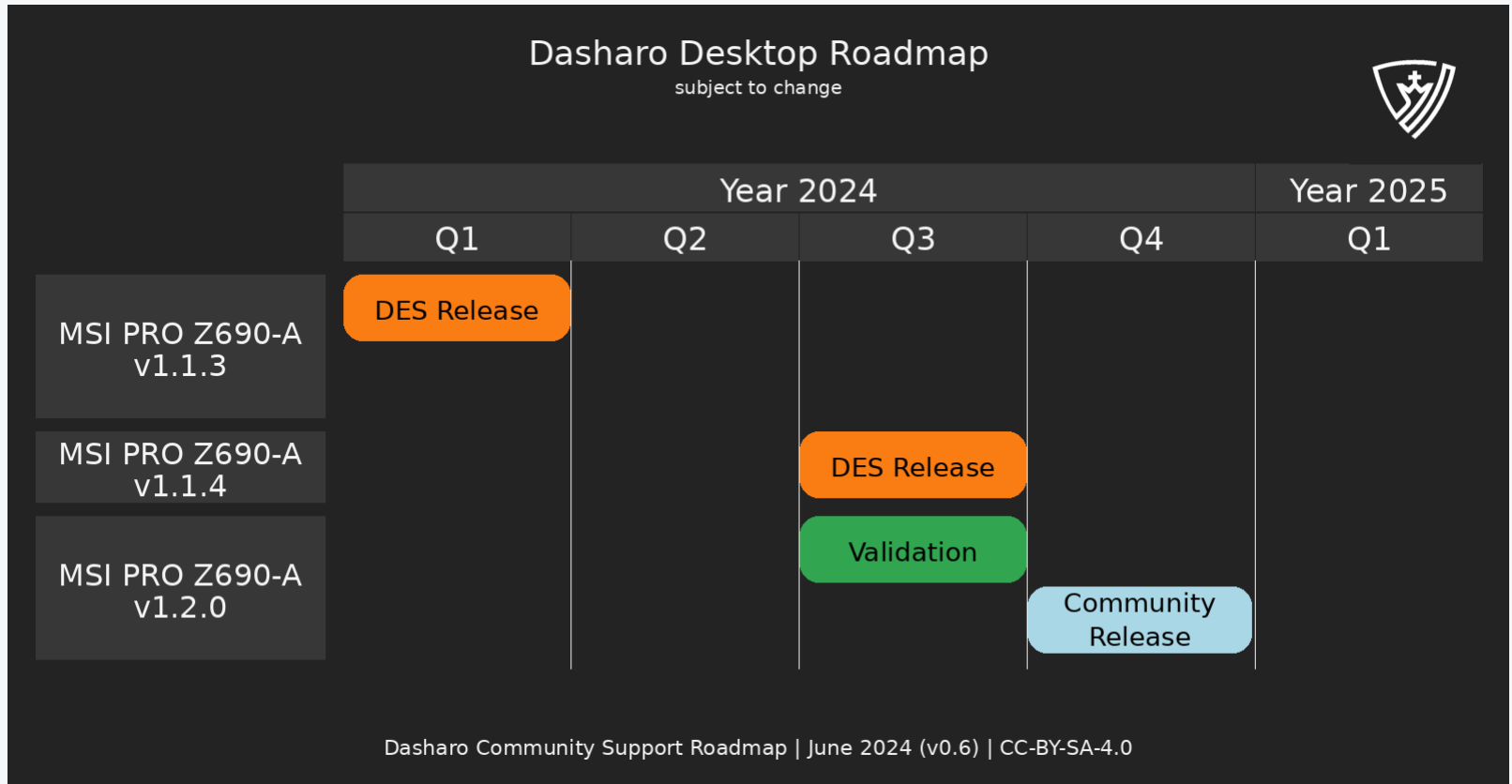Dasharo Community Support Roadmap | June 2024 (v0.6) | CC-BY-SA-4.0

- No traction here so far, so we treat it as on track until it will fall from track. -

DASHARO

Dasharo Desktop Roadmap
subject to change

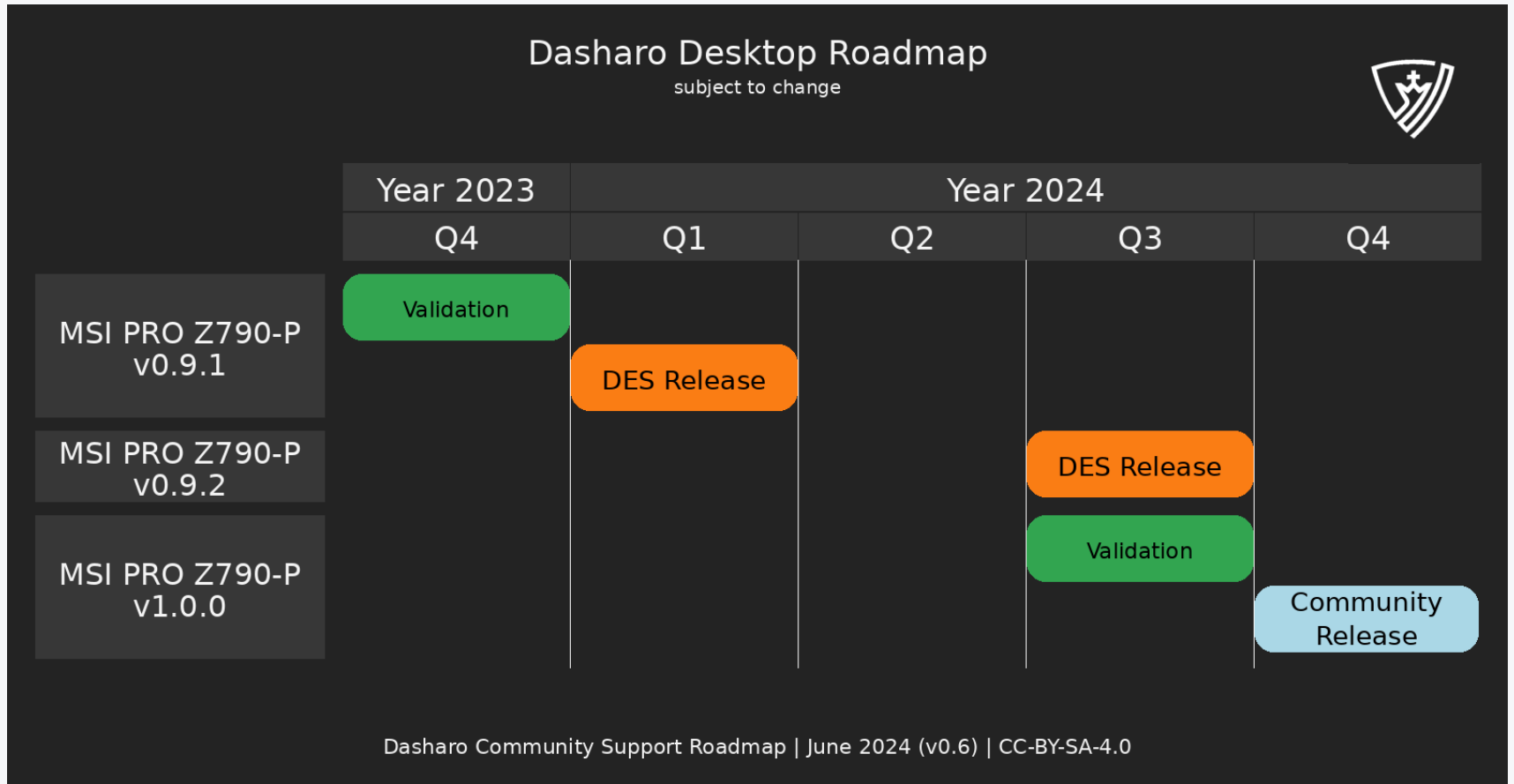|	Year 2024			
	Q1	Q2	Q3	Q4
Dell OptiPlex 7010/9010 v0.1.0			Validation / DES Release	

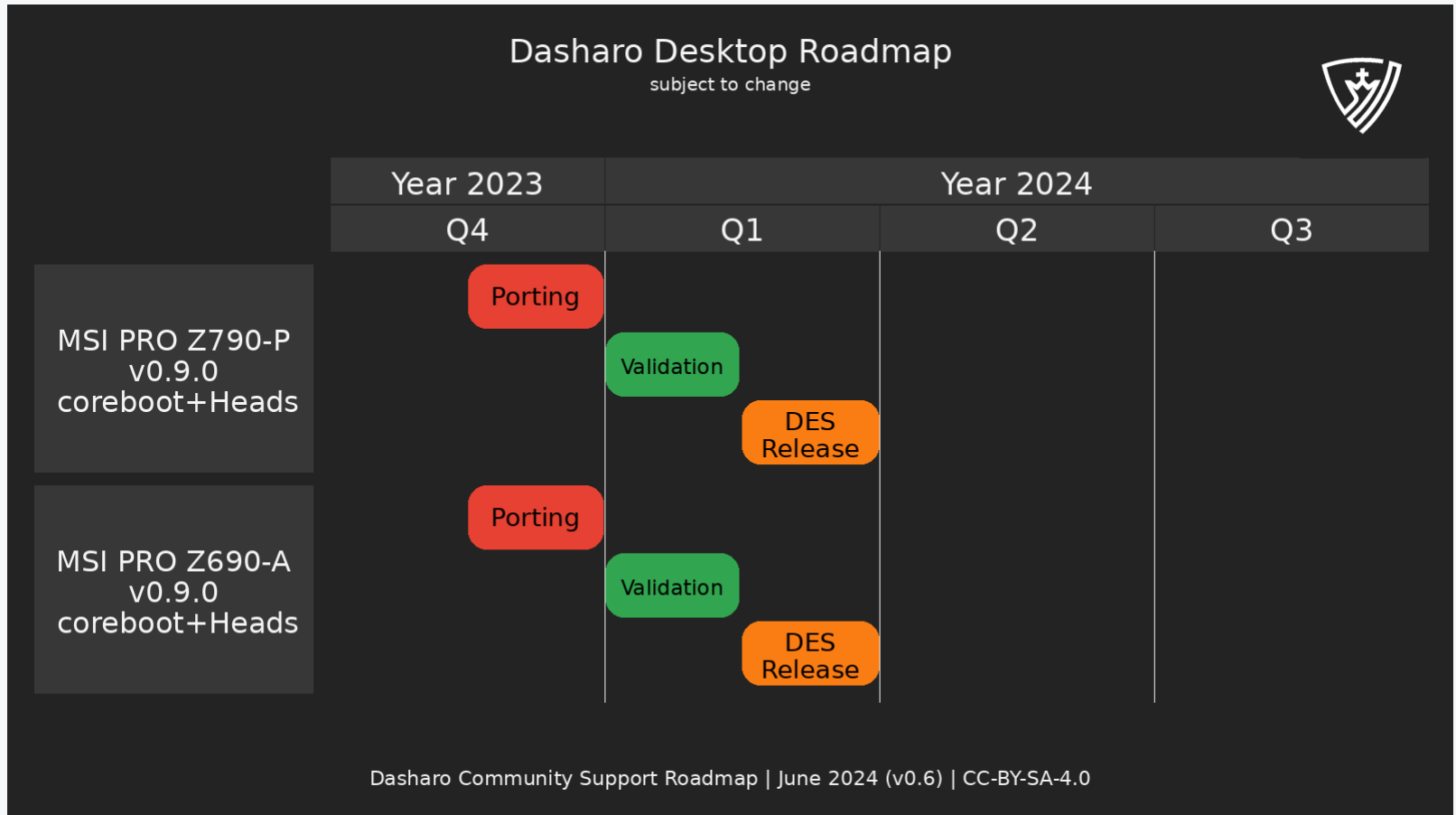Dasharo Community Support Roadmap | June 2024 (v0.6) | CC-BY-SA-4.0

- Unfortunately we didn't demoed Dasharo(coreboot+SeaBIOS) TrenchBoot
- There is still some traction about bringing back operational hardware in Dasharo Certification Lab, so I'm leaving this target on our roadmap, but shifting release date to next quarter.

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Dasharo Desktop Roadmap
subject to change

	Year 2024				Year 2025
	Q1	Q2	Q3	Q4	Q1
MSI PRO Z690-A v1.1.3	DES Release				
MSI PRO Z690-A v1.1.4			DES Release		
MSI PRO Z690-A v1.2.0			Validation	Community Release	

Dasharo Community Support Roadmap | June 2024 (v0.6) | CC-BY-SA-4.0

- We consider shifting Dasharo Community Release to Q3'24 instead of doing v1.1.4, but no decision was made so far.

DASHARO

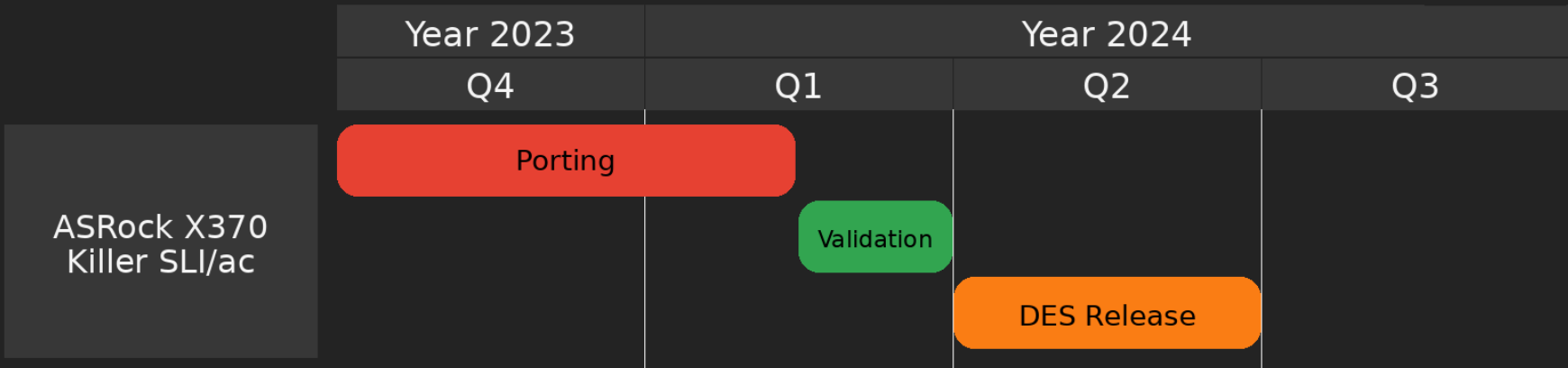## Dasharo Desktop Roadmap
subject to change

	Year 2023	Year 2024			
	Q4	Q1	Q2	Q3	Q4
MSI PRO Z790-P v0.9.1	Validation	DES Release		DES Release	
MSI PRO Z790-P v0.9.2				Validation	
MSI PRO Z790-P v1.0.0					Community Release

Dasharo Community Support Roadmap | June 2024 (v0.6) | CC-BY-SA-4.0

- No changes to this roadmap.

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Dasharo Desktop Roadmap
subject to change

	Year 2023	Year 2024		
	Q4	Q1	Q2	Q3
MSI PRO Z790-P v0.9.0 coreboot+Heads	Porting	Validation / DES Release		
MSI PRO Z690-A v0.9.0 coreboot+Heads	Porting	Validation / DES Release		

Dasharo Community Support Roadmap | June 2024 (v0.6) | CC-BY-SA-4.0

- Both releases were delivered on-time. No plans for new releases.

DASHARO

Dasharo Desktop Roadmap
subject to change

Year 2023	Year 2024		
Q4	Q1	Q2	Q3

ASRock X370 Killer SLI/ac

- Porting
- Validation
- DES Release

Dasharo Community Support Roadmap | June 2024 (v0.6) | CC-BY-SA-4.0

- This target is stalled and it seem like hanetzer don't have time to push that forward in OpenSIL direction.
- Recent news about **Framework 13 AMD** show potential for porting coreboot to modern AMD, but we have not time for it so far.

Dasharo Workstation Roadmap
subject to change

	Year 2023	Year 2024		
	Q4	Q1	Q2	Q3
Raptor CS Talos II v0.8.0			Validation / DES Release	

Dasharo Community Support Roadmap | June 2024 (v0.6) | CC-BY-SA-4.0

- KGPE-D16 removed from Dasharo roadmap.
  - We have call scheduled with FSF regarding RYF, we will see if it can bring some fresh air to this roadmap.
- Dasharo (coreboot+Heads) v0.8.0 for Talos II moved to Q3'24.
  - At this point there are no resources for this release.

Dasharo Server Roadmap
subject to change

Year 2023	Year 2024		
Q4	Q1	Q2	Q3

Dasharo Community Support Roadmap | June 2024 (v0.6) | CC-BY-SA-4.0

- There were some inquiries on various channels, but essentially we have zero serious traction in server area, so we remove X11SSH-TF from our roadmap.
- Unless something will change I will also stop tracking Dasharo Server Roadmap.

Q&A

CHANGELOG

- (CHANGED) QEMU Q35 v0.2.0 planned for Q3'24
  - release scope changed to: Dasharo (coreboot+UEFI)
  - release date changed to: Q2'24 (-1)
- (RELEASED) PC Engines apu2/3/4/6 Dasharo (coreboot+UEFI) v0.9.0 planned for Q1'24
- (CHANGED) PC Engines apu2/3/4/6 Dasharo (creboot+SeaBIOS) mainline planned for Q2'24
  - release scope change: switched tag to 24.05.00.01
- (CHANGED) PC Engines apu2/3/4/6 Dasharo (creboot+SeaBIOS) legacy planned for Q3'24
  - release date changed to: Q3'24 (+1)
- (NEW) PC Engines apu2/3/4/6 Dasharo (coreboot+UEFI) v0.9.1 planned for Q1'24
- (CHANGED) Protectli VP4670 planned for Q2'24
  - release date changed to: Q3'24 (+1)
  - release scope change to: Dasharo (coreboot+SeaBIOS)
- (CHANGE) MinnowBoard Turbot Dasharo(coreboot+UEFI) planned for Q2'24
  - release scope changed to: 24.02.01

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- (NEW) Hardkernel Odroid-H4 Dasharo(coreboot+UEFI) planned for Q4'24
- (ON TRACK) Novacustom NV4x Dasharo (coreboot+Heads) v0.9.1 planned for Q3'24
- (ON TRACK) Novacustom NV4x Dasharo (coreboot+UEFI) v1.8.0 planned for Q3'24
- (ON TRACK) Lenovo ThinkCentre M700/M900 Tiny planned for Q2'24
- (CHANGED) Dell OptiPlex 7010/9010 v0.1.0 planned for Q2'24
  - release date changed to Q3'24 (+1)
- (ON TRACK) MSI Z690-A v1.1.4 planned for Q3'24
- (ON TRACK) MSI Z690-A v1.2.0 planned for Q4'24
- (RELEASED) MSI Z790-P Dasharo (coreboot+Heads) v0.9.0 planned for Q1'24
- (RELEASED) MSI Z690-P Dasharo (coreboot+Heads) v0.9.0 planned for Q1'24
- (CHANGED) RCS Talos II v0.8.0 planned for Q2'24
  - release date changed to Q3'24 (+1)
- (REMOVED) Supermicro X11SSH-TF v0.1.0 planned for Q2'24

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- (NEW) QEMU Q35 v0.2.0 planned for Q3'24
- (CHANGED) PC Engines apu2/3/4/6 Dasharo (coreboot+UEFI) planned for Q1'24
  - release scope changed: additional platform apu4
- (NEW) PC Engines apu2/3/4/6 Dasharo (creboot+SeaBIOS) mainline planned for Q2'24
- (NEW) PC Engines apu2/3/4/6 Dasharo (creboot+SeaBIOS) legacy planned for Q2'24
- (CHANGED) Protectli VP4670 planned for Q2'24
  - release date changed to Q2'24 (-1)
- (NEW) MinnowBoard Turbot Dasharo(coreboot+UEFI) planned for Q2'24
- (RELEASED) Novacustom NV4x Dasharo (coreboot+Heads) v0.9.0 planned for Q4'23
- (NEW) Novacustom NV4x Dasharo (coreboot+Heads) v0.9.1 planned for Q3'24
- (NEW) Novacustom NV4x Dasharo (coreboot+UEFI) v1.8.0 planned for Q3'24
- (CHANGED) Lenovo M920Q planned for Q2'24
  - scope change/correction: ThinkCentre M700/M900 Tiny
- (CHANGED) Dell OptiPlex 7010/9010 v0.1.0 planned for Q4'23
  - release date changed to Q2'24 (+1)
- (REMOVED) Dell T1650 v0.1.0 planned for Q1'24

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- (RELEASED) MSI Z690-A v1.1.3 planned for Q4'23
- (NEW) MSI Z690-A v1.1.4 planned for Q3'24
- (CHANGED) MSI Z690-A v1.2.0 planned for Q1'24
  - release date changed to Q2'24 (+2)
- (RELEASED) MSI Z790-P v0.9.1 planned for Q4'23
- (NEW) MSI Z790-P v0.9.2 planned for Q3'24
- (CHANGED) MSI Z790-P v1.0.0 planned for Q1'24
  - release date changed to Q2'24 (+2)
- (ON TRACK) MSI Z790-P Dasharo (coreboot+Heads) v0.9.0 planned for Q1'24
- (NEW) MSI Z690-P Dasharo (coreboot+Heads) v0.9.0 planned for Q1'24
- (REMOVED) ASUS KGPE-D16 v0.5.0 planned for Q2'24
- (CHANGED) RCS Talos II v0.8.0 planned for Q1'24
  - release date changed to Q2'24 (+1)
- (ON TRACK) Supermicro X11SSH-TF v0.1.0 planned for Q2'24
- Summary: 9 new, 7 changed, 2 on track, 3 released, 2 removed (total: 23)

DASHARO

- (RELEASED) QEMU Q35 v0.1.0 release
- (CHANGED) PC Engines apu3 planned for Q4'23
  - release date changed to Q1'23 (+1)
  - add support for apu2 and apu6
- (CHANGED) Protectli VP4670 planned for Q2'24
  - release date changed to Q3'23 (+1)
- (CHANGED) Novacustom NV4x Dasharo (coreboot+Heads) v0.9.0 planned for Q4'23
  - release date changed to Q1'24 (+1)
- (CHANGED) Lenovo M920Q planned for Q2'24
  - release date changed to Q3'24 (+1)
- (CHANGED) Dell OptiPlex 7010/9010 v0.1.0 planned for Q4'23
  - release date changed to Q1'24 (+1)
- (CHANGED) Dell T1650 v0.1.0 planned for Q1'24
  - release date changed to Q3'24 (+2)
- (CHANGED) MSI Z690-A v1.1.3 planned for Q4'23
  - release date changed to Q1'24 (+1)

DASHARO

- (CHANGED) MSI Z690-A v1.2.0 planned for Q1'24
    - release date changed to Q2'24 (+1)
- (CHANGED) MSI Z790-P v1.0.0 planned for Q1'24
    - release date changed to Q2'24 (+1)
- (ON TRACK) MSI Z790-P v0.9.1 planned for Q4'23
- (CHANGED) MSI Z790-P Dasharo (coreboot+Heads) v0.9.0 planned for Q1'24
    - release date changed to Q1'24 (-1)
    - version changed to v0.9.0
- (CHANGED) ASUS KGPE-D16 v0.5.0 planned for Q2'24
    - release date changed to Q3'24 (+1)
- (NEW) RCS Talos II v0.8.0 planned for Q1'24
    - depends on agreeing on Heads commit on which we should integrate things, we already one month blocked because lack of decision
- Summary: 1 new, 11 changed, 1 on track, 1 released, 0 removed (total: 15)

- (ON TRACK) QEMU Q35 v0.1.0 planned for Q4'23
- (NEW) PC Engines apu3 v0.9.0 planned for Q4'23
- (NEW) Protectli VP4670 v0.9.0 planned for Q2'24
- (NEW) Novacustom NV4x Dasharo (coreboot+Heads) v0.9.0 planned for Q2'24
- (NEW) Lenovo M920Q v0.9.0 planned for Q2'24
- (CHANGED) Dell OptiPlex 7010/9010 v0.1.0 planned for Q4'23
    - release type changed to DES
- (CHANGED) Dell T1650 v0.1.0 planned for Q1'24
    - release type changed to DES
- (RELEASED) MSI Z690-A v1.1.2 planned for Q3'23
- (ON TRACK) MSI Z690-A v1.1.3 release planned for Q4'23
- (ON TRACK) MSI Z690-A v1.2.0 planned for Q1'24
- (RELEASED) MSI Z790-P v0.9.0 planned for Q3'23

- (ON TRACK) MSI Z790-P v0.9.1 planned for Q4'23
- (ON TRACK) MSI Z790-P v1.0.0 planned for Q1'24
- (NEW) MSI Z790-P Dasharo (coreboot+Heads) v1.0.1 planned for Q2'24
- (CHANGED) ASUS KGPE-D16 v0.5.0 planned for Q1'24
    - release type changed to DES
    - release date changed to Q2'24 (+1)
- (RELEASED) RCS Talos II v0.7.0 planned for Q3'23
- (CHANGED) Supermicro X11SSH-TF v0.1.0 planned for Q1'24
    - release date changed to Q2'24 (+1)
- Summary: 5 new, 4 changed, 5 on track, 3 released, 0 removed (total: 17)

- (CHANGED) QEMU Q35 v0.1.0 planned for Q3'23
  - release date changed to Q4'23 (+1)
- (CHANGED) Dell OptiPlex 7010/9010 v0.1.0 planned for Q2'23
  - release date changed to Q4'23 (+2)
- (CHANGED) Dell T1650 v0.1.0 planned for Q3'23
  - release date changed to Q1'24 (+2)
- (ON TRACK) MSI Z690-A v1.1.2 planned for Q3'23
- (NEW) MSI Z690-A v1.1.3 release planned for Q4'23
- (CHANGED) MSI Z690-A v1.2.0 planned for Q4'23
  - release date changed to Q1'24 (+1)
- (NEW) MSI Z790-P v0.9.0 planned for Q3'23
- (NEW) MSI Z790-P v0.9.1 planned for Q4'23
- (ON TRACK) MSI Z790-P v1.0.0 planned for Q1'24
- (CHANGED) ASUS KGPE-D16 v0.5.0 planned for Q3'23
  - release date changed to Q1'24 (+2)

- (ON TRACK) RCS Talos II v0.7.0 planned for Q3'23
- (CHANGED) Supermicro X11SSH-TF v0.1.0 planned for Q4'23
  - release date changed to Q1'24 (+1)
- Summary: 3 new, 6 changed, 3 on track, 0 released, 0 removed (total: 12)

- (NEW) QEMU Q35 v0.1.0 planned for Q3'23
- (NEW) Dell OptiPlex 7010/9010 v0.1.0 planned for Q2'23
- (NEW) Dell T1650 v0.1.0 planned for Q3'23
- (NEW) MSI Z690-A v1.1.2 planned for Q3'23
- (NEW) MSI Z690-A v1.2.0 planned for Q4'23
- (NEW) MSI Z790-P v1.0.0 planned for Q1'24
- (NEW) ASUS KGPE-D16 v0.5.0 planned for Q3'23
- (NEW) RCS Talos II v0.7.0 planned for Q3'23
- (NEW) Supermicro X11SSH-TF v0.1.0 planned for Q4'23
- Summary: 9 new, 0 changed, 0 on track, 0 released, 0 removed (total: 9)