

RISC-V Technical Activity

Specification Highlights

Key events in the [RISC-V Specification Lifecycle](#) include [Architecture Review](#), [Public Review](#), and final [Ratification](#). The following tables show specification activity around these events.

Additional specification activity can be found on the [Specification Status](#) page.

In Architecture Review for Freeze

Summary
Control Transfer Records (CTR)
Input/Output Physical Memory Protection (IOPMP)
Privileged Specification 1.13
RVA23
RVB23
5 issues

In Public Review

Summary	Target Public Review Completion
Double Trap	May 31, 2024
1 issue	

Preparing for Ratification

Summary	Target BoD Ratification Approval
Shadow Stacks and Landing Pads	May 30, 2024
Brain Float 16 (BFloat16)	May 30, 2024
RAS Error Record Interface (RERI)	May 30, 2024
Quality-of-Service (QoS) Identifiers	May 30, 2024
Eliding Memory-Management Fences on Setting PTE Valid	May 30, 2024
Capacity and Bandwidth controller QoS Register Interface (CBQRI)	May 30, 2024
Resumable Non-maskable Interrupts	Jun 27, 2024
Pointer Masking (J)	Jun 27, 2024
E-Trace Encapsulation	Jun 27, 2024
Debug for Hardware Platforms	Jun 27, 2024
10 issues	

Group Highlights

Significant moments in the [RISC-V Group Lifecycle](#) include the [Inception](#) groups (when a new group is proposed) and [Pending](#) groups (when a group starts its charter, meetings, and leadership selection). The following tables reflect groups in these stages as well as the [Latest Group Updates](#) for all groups.

Additional group activity can be found on the [Active Groups](#) page.

Inception Groups

Key	Summary
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Pending Groups

Key	Summary
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Latest Group Updates

Summary	Updated	Status
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RVG-161	Memory Tagging
RVG-160	Composable Extensions
RVG-158	Scalar Efficiency
RVG-152	Performance Events

4 issues

RVG-150	Integrated Matrix Extension
RVG-148	CHERI TG
RVG-138	Lightweight Isolation
RVG-135	Attached Matrix Extension
RVG-83	Microarchitecture Side-Channel Resistant Instruction Spans (uSCR-IS)
RVG-81	Crypto GOST-R
RVG-31	RVM-CSI PCT

7 issues

Fast Interrupts (CLIC)	May 13, 2024	ACTIVE
Privileged Spec (IC)	May 10, 2024	ACTIVE
Unprivileged Spec (IC)	May 10, 2024	ACTIVE
Composable Extensions	May 09, 2024	INCEPTION
RVA23 /RVB23 Profiles	May 08, 2024	ACTIVE

Showing 5 out of 124 issues