

Certification Steering Committee

Welcome to the RISC-V CSC Wiki Home Page!

Use this page to find the most recent links to CSC content.

Bookmark this Wiki page. Do *not* bookmark the links below since they are subject to change without notice.

CSC Links:

CSC Charter

- Find this under Administrative folder under CSC files link above
- v0.4 approved by BoD in their March 28, 2024 meeting

CSC Operating Guidelines (Draft)

- Find this under Administrative folder under CSC files link above

CSC Email List

- Uses [RVI groups.io](#) facility

CSC Document Repository

- Presentations, minutes, administrative, etc.
- Currently using Google Drive

CSC Meeting Recordings

- Contains links to Zoom recordings

CSC Work Groups:

- [Industry Survey documents](#)
- [ACT Assessment documents](#)
- [Sail Assessment documents](#)

CSC GitHub

- CSC has its own GitHub "organization" with one or more "repositories"
- [Other RVI GitHub "organizations"](#)
- [Add people for GitHub access](#) - Need permissions or you'll get a 404 error.

CSC Voting Rights

- Record of attendance of Premier & Strategic members
- Used to determine voting rights

CSC Jira

- TBD - Still being setup.

CSC Restrictions of TSC Specifications

- [Detailed discussion of WARL fields and ACT/Sail Input](#)
 - May 2020
 - Mainly Paul Donahue, Allen Baum, Greg Favor, & Andrew Waterman

CSC-related Links:

ACT (Architectural Compliance Tests)

- [ACT SIG](#) - Oversees development of ACT
- [ACT GitHub](#)
- [Test format specification](#)
- [ACT Tutorial \(YouTube\)](#), Neel Gala & Pawan Kumar, NA Summit 2022

Sail

- [Sail Language Documentation](#) (also read [Liquid Types](#))
- [Formal ISA Language Selection Committee](#) (2019)
- [RVI Sail Survey Results](#) (Jan 2024)
- [Sail Tutorial by Bill McSpadden](#) (NA Summit 2022, YouTube, 1hr)
- [RISC-V Sail GitHub](#)

Development Partners

- Volunteers from companies, universities, and research organizations reducing RISC-V's backlog of tests and test infrastructure.
- Tracked in GitHub ([All activity](#), [Activity by state](#))

Compatibility Test Framework

- Compares signature between two models and selects tests according to the model configuration
 - RISCOF (RISC-V Architectural Compatibility Test Framework) [GitHub](#), [Documentation](#)
- Uses the RISC-V CONFIG tool to select and configure tests to match implementation choices
 - Test Framework Configuration Tool (RISC-V CONFIG) - [GitHub](#), [Documentation](#)

Tools

- [Spike GitHub](#) - RISC-V ISS
- [QEMU GitHub](#) - Open-source ISS supporting many ISAs including RISC-V

Profiles & Platforms

- [Extension Naming Convention](#)
- Profiles
 - [RVA20, RVA22, & RV120 Profile Definitions & Naming Scheme](#)
 - [RVA23 Profile Definition](#)
 - [RVB23 Profile Definition](#)
 - [Profile Extensions](#) - Shows which RISC-V extensions are in each profile
- Platforms
 - [RISC-V Server Platform GitHub](#)

RISC-V Branding Guidelines

- Current rules for using RISC-V trademark and logo
- [Platforms Policy](#) - Preliminary and out-of-date
- [Profiles Policy](#) - Last updated in 2021
- [ACT Policy](#) - Last updated in Jan 2024