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
- ACT Assessment
- Sail Assessment
- MC (Microcontroller Certificate) - Tentative

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 RISCV-CONF tool to select and configure tests to match implementation choices
  - Test Framework Configuration Tool (RISCV-CONF) 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