Meeting minutes are in the speaker notes for the relevant slide

Agenda

- Disclosures
- eTrace packet encapsulation
- Competitive Analysis
- Maintenance (no change)
- AOB

PD Paul Donahue (Ventana) (Me)
IR Iain Robertson (Siemens)
AJ Amit Jain (Qualcomm)
BS Beeman Strong (Rivos)
BA Bruce Ableidinger (SiFive)
JG Jay Gamoneda (NXP)
MG Markus Goehrle (Lauterbach)
MS Michael Schleinkofer(Lauterbach)
RC Robert Chyla (SiFive)

RISC-V

Attendees: see screenshot on the agenda slide

eTrace Packet Encapsulation

- Acting chair: Iain Robertson, actinge vice-chair: Paul Donahue
- Reflector: tech-e-trace-encap@lists.riscv.org
- github: https://github.com/riscv-admin/e-trace-encap
- DTPM SIG and ETraceEncap meetings will co-exist

- Discussed doc format with SoC HC (Standalone doc or chapter in E-Trace Spec PDF)?
- Consensus is as follows:
  - Create as standalone Adoc for review and ratification purposes
  - Once ratified, can look to integrate into same PDF as E-Trace spec for ease of use
  - Can use the fact that Encapsulation spec is Adoc as a forcing function for getting E-Trace spec converted.

- Action: Iain to create Adoc from proposal agreed via DTPM SIG email reflector.

RISC-V

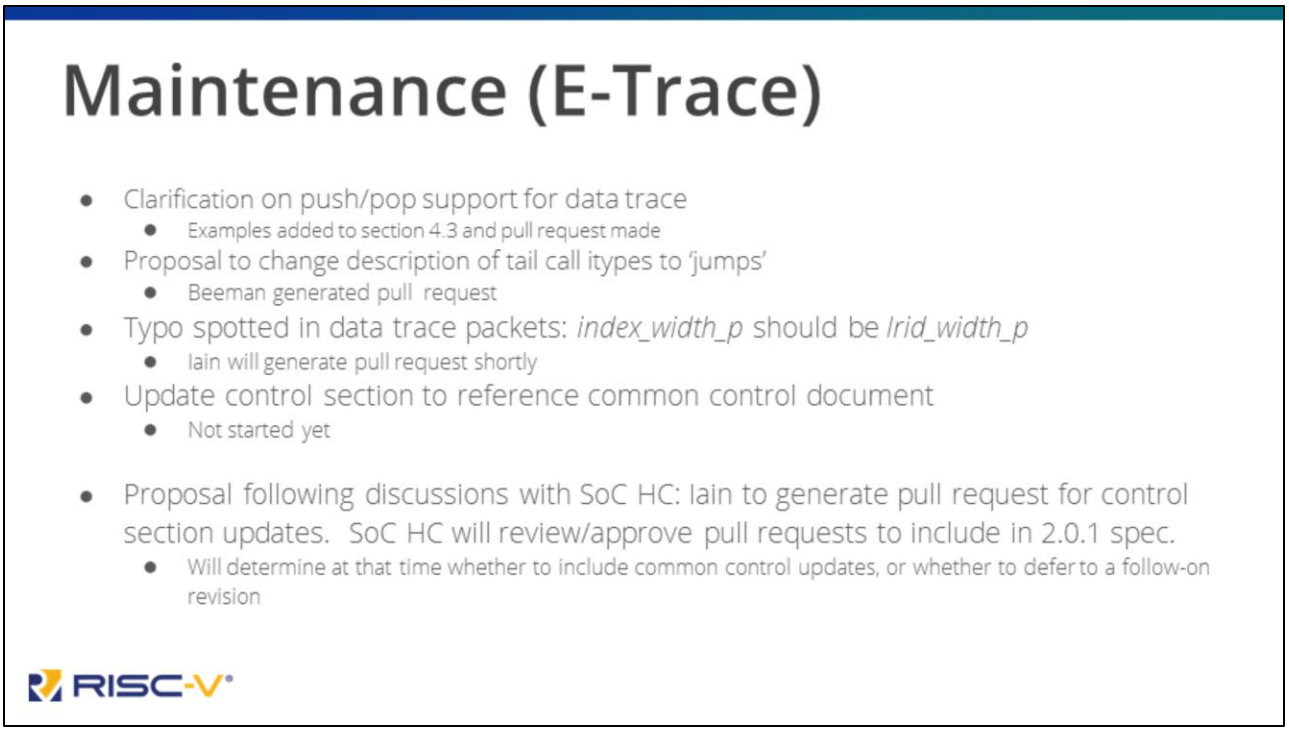
Q: Is there a fully automated way to convert LaTeX to Adoc? A: Not really. There is a person who does the conversion.

Competitive Analysis

- Template spreadsheet created (format stolen from Beeman):
  - Located in *for risc-v members/Workgroups/Debug Trace Performance Monitoring* RVI Google Drive
  - https://docs.google.com/spreadsheets/d/1l0N-E-hTjFj3jkPrjsLitso4hACDaJayNwh35F4KUfs/edit#gid=0
- Review updates from
- Still need input from others with knowledge of other architectures

RISC-V

Beeman filled in some information on the competitive analysis spreadsheet. Not much else has been filled in, likely due to lack of time between meetings. During the next meeting, we will spend some time to fill out the spreadsheet more fully.



- Discussing updates to existing specs: Any normative changes will require a TG and arch review process. There can be disagreements about how significant normative changes are. So far, the bureaucratic overhead of setting up a TG is small but we'll see if that's true going forward.
- Is the goal for N-Trace to keep the TG and mailing list alive after ratification? Not necessarily. We can have a new TG for data trace.
- There is no fast track process for non-ISA extensions. Therefore, trace encapsulation has a full TG. Discussion ensued about the RVI

process of dissolving TGs after their specs are ratified.

Future Meetings / AOB

- 2nd Wednesday of each month
- Requested Nick Kossifidis from Runtime Integrity SIG attend to discuss debug security. Awaiting response...
- AOB

RISC-V

Thank You
RISC-V