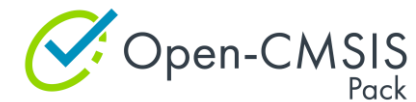# Open-CMSIS-Pack

Technical Project Meeting 2022-11-15

This meeting is recorded !

Agenda

- Welcome

- Feedback/Discussion about: Priorities as we see them today

- For Review

- Wrap Up

Priorities as we see them today

- Complete compiler agnostic work-flows
  - settings for warnings, optimization, debug
  - analyze gaps (i.e lib selection, enum/wchar sizes), impacts to generic packs such as Event Recorder
  - Create clear guidelines for compiler agnostic packs

- Complete *.cbuild.yml generation

- Close the gaps for multi-core and TrustZone csolution-based projects
  - Output file control (binary, etc.)
  - Define how sub-projects are combined (dependency)
  - Post-Build steps with image signing

- Complete clayer work based on interface descriptions

- Extend cbuild tool orchestration (i.e. install missing packs, convert for a csolution + context)

- Resource management and linker file generation

- Conclude on "generators" integration

- Work on the aspects of Flash programming and Debug

- Use *.cbuild.yml files as feedback lock file (input file to csolution)

- Change cbuildgen process from using *.CPRJ to *.cbuild.yml

Feedback: Fred (STMicroelectronics) add #114 - API/Components/Interfaces (separate workgroup ?)

For Review

- Dual-Core Example - any feedback? (Use CMSIS-Toolbox 1.3.0)
  - https://github.com/RobertRostohar/MultiCore/tree/main/FRDM-K32L3A6/hello_world
- Local support in cproject.yml for build-type / target-type #450
  - ⇒ Counter proposal: separate type definition and invocation
- Optional RTE creation PR #432 - pending change requests - ongoing
- Proposals for layers:
  - Adding layer `type:` to hint search for `csolution` tool
  - Adding `variables` to avoid modifications to the `cproject.yml` when adding layers
- Proposals for interface: better description of intended behaviour

Wrap Up

- [CMSIS-Toolbox 1.3.0](#) has been published

- Other review "asks" before finally closing issues:
  - Anything still open for "Discussion Done" items.
  - Please help to resolve tickets with label: [question](#)

- Next Open-CMSIS-Pack meeting: 22nd Nov. 2022 @ 16:00 CET (15:00 UK)

Thank you