# **Open-CMSIS-Pack**

Technical Project Meeting 2022-11-15

This meeting is recorded !

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### 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
  - o 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 <u>#114</u> - API/Components/Interfaces (separate workgroup ?)



### For Review

- Dual-Core Example any feedback? (Use CMSIS-Toolbox 1.3.0)
  - <u>https://github.com/RobertRostohar/MultiCore/tree/main/FRDM-K32L3A6/hello\_world</u>
- Local support in cproject.yml for build-type / target-type #450
  - $\Rightarrow\,$  Counter proposal: separate type definition and invocation
- Optional RTE creation PR <u>#432</u> 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
- <u>Proposals for interface</u>: 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: <u>question</u>

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



# Thank you

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