

# Open-CMSIS-Pack

Technical Project Meeting 2022-07-19

This meeting is recorded !



# Agenda

- Welcome
- Pack Specification Change Board
- Requests for Review
- Next CMSIS-Toolbox Release
- Wrap Up

# Actions from last week

- ST/NXP to progress “Rediscover the “hidden” proposal from NXP #112 (Fred)
- Provide example for using cdefault.yml file here: [#356](#) (done)



## Review Pack Specification [Change Board](#)

- Issues #131, #124, #141 are now in the Open-CMSIS-Spec
- <https://github.com/mdk-packs/TrustZone> shows a project that requires the <csolution> element ([#134](#)) to drive forward. It uses:
  - Multiple images, some a pre-build (could be also delivered as projects)
  - Layers that are board-specific

# For Review

- Windows download blocked by virus check ZScaler [#399](#)
  - Are more people experiencing this problem?
- Setup Proposal
- Issue [#395](#): features and defects against csolution and cbuild for CMSIS-Toolbox Version 1.0.0
- Changes to csolution YML format:
  - define:, undefine:, add-path:, del-path: (plural optional)
  - output-dirs: added
  - for-compiler: added (for group, file, and setup)
  - setups: added (enables compiler specific controls)
  - misc: C\* changed to C-CPP
  - misc: compiler: changed to for-compiler: (now optional)

# Requests for review

- Discuss Version 1.0.0 of csolution/cbuildgen
  - Agree requirements and “must fix” defects
- [cpackget] command download all public pdsc files [#107](#)
- [spec] Add <csolution> element to \*.PDSC format [#134](#)
  - The scope and implementation of the proposal is not clear enough yet.
- [csolution, cbuild] Optional RTE creation [#371](#)
- [csolution] compiler specific files and definitions [#356](#)
- [csolution] build-types are shared across all projects [#355](#)



# Next CMSIS-Toolbox Release

## **cbuild**

- Add '--rebuild' and '--packs' options (PR [#7](#)) – fixes issues [#5](#) and devtools [#374](#)

## **cbuildgen**

- Add CMake dependency on linker script (PR [#398](#)) – fixes issue cbuild [#4](#)

## **csolution**

- Rework output directories structure (PR [#388](#)) – issues [#314](#) and [#221](#)
- Generate custom RTE folder (PR [#391](#))
- Add list packs '--missing' option for printing missing packs into the stdout (PR [#382](#))
- Fix missing gpdsc warning (PR [#385](#)) – fixes issue [#381](#)
- Retrieve local pack version from pdsc (PR [#392](#)) – fixes issue [#374](#)
- Give local pack higher priority (PR [#393](#)) – fixes issue [#344](#)
- Fix CPRJ pack vendor (PR [#386](#))
- Add .cc extension as source c++ (PR [#387](#))
- Upgrade GCC support (PR [#396](#))

## **In progress:**

- Replace 'C\*' by 'C-CPP' - issue [#394](#)
- Introduce 'for-compiler' controls – issue [#356](#)

# Wrap Up

- Update:
- Summer Vacation - pausing weekly technical project meeting:
  - No meeting on Tuesday:
    - 26.07.2022
    - 02.08.2022
    - 09.08.2022
    - 16.08.2022
- Next Open-CMSIS-Pack meeting: 23rd Aug. 2022 @ 16:00 CET (15:00 UK)



Thank you

