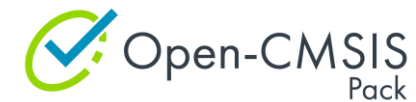


# Open-CMSIS-Pack

Technical Project Meeting 2022-08-23

This meeting is recorded !



# Agenda

- Welcome back
- Since the last meeting
- Pack Specification Change Board
- Requests for Review
- Arm Presentation: Layers in Packs / Pack Generation (Reinhard)
- Wrap Up

# Since the last meeting

- [CMSIS-Toolbox 1.0.0](#) published
- [cpackget 0.7.1](#) published
- ST/NXP discussed the “hidden” proposal from NXP #112 (Fred)

## Review Pack Specification Change Board

- Action to create PRs for #126 and #25 - Joachim
- Items ready for next week's Decision Committee meeting ?
  - <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

- New content in ‘csolution-examples’ [repository](#)
- Proposal for Pack Lockfile [#434](#) (Reinhard)
- Get rid of *compiler* mandatory in *build-type* [#411](#)
- [csolution, cbuild] Optional RTE creation [#371](#)
- [csolution] build-types are shared across all projects [#355](#)
- Progress on [Translation Controls](#) (optimize, debug, warnings)
  - Do we need other controls (i.e. enum / wchar size)

# Arm Presentation

- About Layers and RTE folder issues
- About Pack Generation

# Wrap Up

- Update: CMSIS-Toolbox 1.1.0 targeted for September 6th 2022 (2 weeks)
  - Known issue: RTE subdirectory incorrect for device dependent components
- House keeping: Please close issues that are “done”
  - e.g. because feature or defect is resolved by CMSIS-Toolbox 1.0.0
  
- Next Open-CMSIS-Pack Decision Committee meeting 29th Aug. 2022 (by invitation)
- Next Open-CMSIS-Pack meeting: 30th Aug. 2022 @ 16:00 CET (15:00 UK)

Thank you





# CMSIS-Toolbox 1.0.0

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