

# Open-CMSIS-Pack

Technical Project Meeting 2023-02-07

This meeting is recorded !



# Agenda

- Welcome
- Review Boards
- Topics
- Linker Script - discussion
- CMSIS Meeting
- Wrap Up

# Boards:

- [Open-CMSIS-Pack Specification Change Board](#)
- [CMSIS-Toolbox 2.0 Project Board](#)

# Topics:

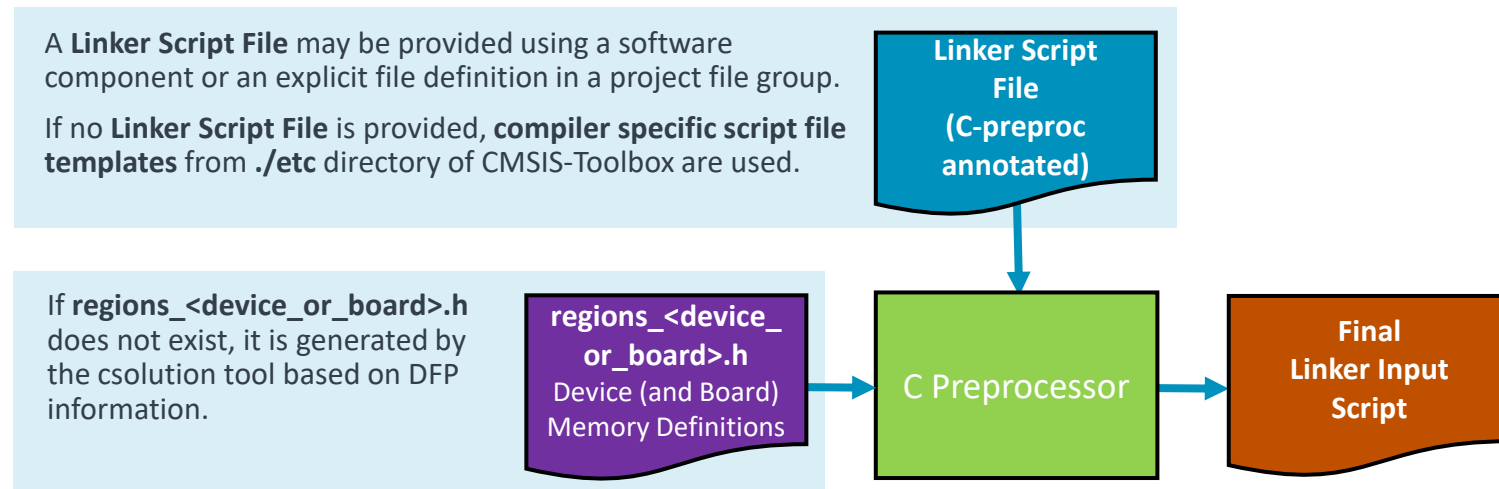
- [spec] Discussion: Using several name spaces in a .pdsc file supported? [#195](#)
- [spec] Two steps further with the generator [#202](#)
- [spec] Moving towards resource management (execution domain) [#205](#)
- [spec] .GPDSC location clarification [#207](#)
- [cbuildgen] Improvements for toolchain registration [#699](#)
- [csolution] Generator files to be added to cbuild.yml [#722](#)
- [csolution] Re-running generator and dry-run - Proposal [#206](#) (Samuel ST)
  
- Is genlayer file in scope for CMSIS-Toolbox 2.0 ?
  - Proposal lacks component dependencies [#637](#)

## Parked:

- [spec] Exclusive Selection of component within a Cclass [:Cgroup] [#194](#)
- [cpackget vs. csolution] File permission for 'generator' [#117](#)

# Linker Script File #655

- Using `file:` notation under `groups:` or as part of software component (extensions .sct, .scf and .ld)
- New: User provided specified with `linker:` node, with option to use a \*.h header file that is toolchain agnostic
- Auto-generated: when no script is provided (this might be implemented in a later step)



## Initial Proposal for CMSIS-Toolbox 2.0:

- Implement `linker:` node with workflow for C Preprocessor step with user-defined `regions_<device_or_board>.h`
- Stretch goal: auto-generate linker script and `regions_<device_or_board>.h` (tbd exact workflow)

# (REMINDER) CMSIS Meeting @ embedded world 2023

- At embedded world, we are inviting partners to join our CMSIS update meeting
- Date: March 14<sup>th</sup>, 5.30 pm
- Venue: Room Lissabon, NCC Mitte
- Request an invite: [cmsis@arm.com](mailto:cmsis@arm.com)



# Wrap Up

## Actions for all:

- Review “Proposals” + ToDo in [Manual](#)
- Review Issues in [devtools](#), cpackget, cbuild and [Open-CMSIS-Pack-Spec](#)
  - Add to project: CMSIS-Toolbox 2.0
- Agree on feasible implementation timeline (**until 15. Feb 2023**) !!! 1 week !!!

- Next Open-CMSIS-Pack meeting: 14th Feb. 2023 @ 16:00 CET (15:00 UK)

Thank you

