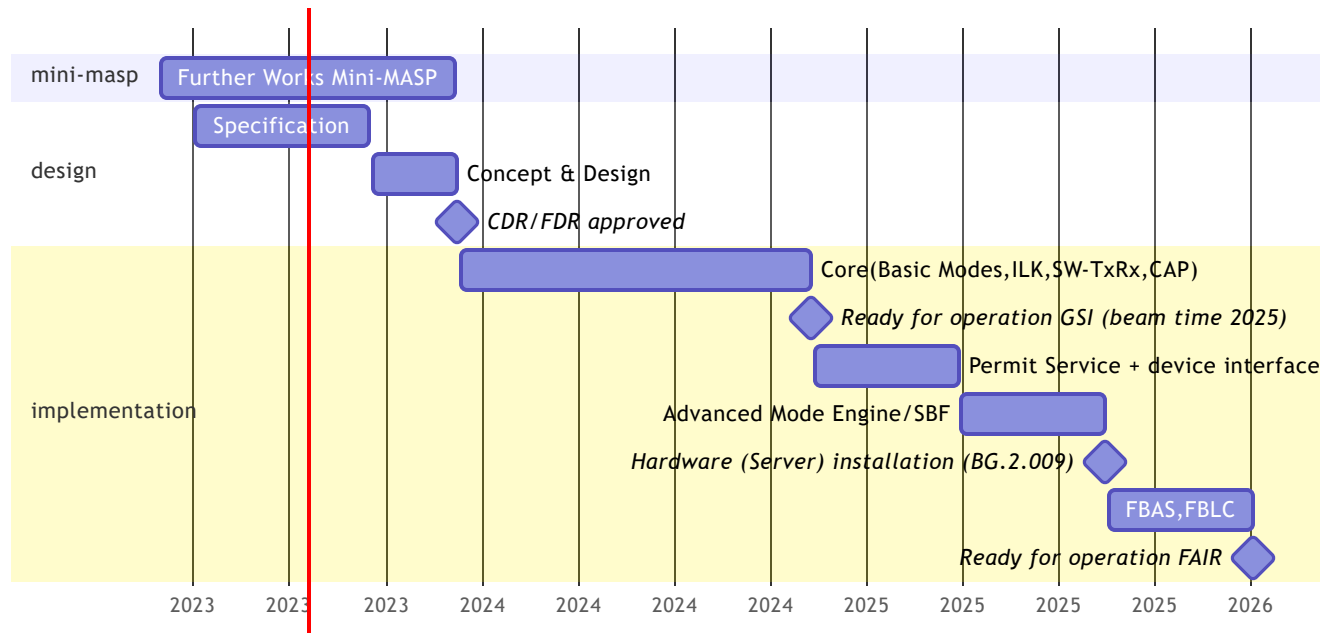


mini-masp -> masp



masp specification

06.06.2023 Kickoff

15.06.2023 Inputs & Outputs Overview

06.07.2023 Patterns, Chains, ... (presentation by R.M. et al.)

01.08.2023 Beam Modes & Beam Mode Domains (intro by R.S.)

new

- interface to FBAS
- interface to sequencer
- ⚡ interface to unilac PZ/DM
- beam modes
 - advanced mode engine
 - beam mode domains
 - setup-beam flag and beam-presence flag
 - permit service
- bpc specific interlocks

review / redesign

- interlock system upgrade
- interface to director
- ⚡ status emitter protocol (too slow)
- ⚡ sum status evaluation (too slow)
- persistent settings
- status / sum status concept (-> masp-gui)
- dependencies (boost, google protocol buffer)

other

- yocto/acc9 migration
- ⚡ unilac interlocks via capgateway
 - devAcc libraries not yet available for acc9, Cosylab is working on it

Current Activities

- for next beam time:
 - interface to sequencer / Notfallabschaltung SIS18 (preliminary implementation) - work in progress
- for 2025 beamtime
 - interlock system upgrade - test pending
- for 2024/2025/2026
 - beam modes & beam mode domains for masp specification - work in progress

Unilac interlocks @ (mini-)masp

Implemented:

- monitoring only
- no chain / virt acc multiplexing
- no effect on director

2023

- overview @ schema widget
- still no effect on director
- need: particle transfers !

mini-masp -> masp: >= 2023

