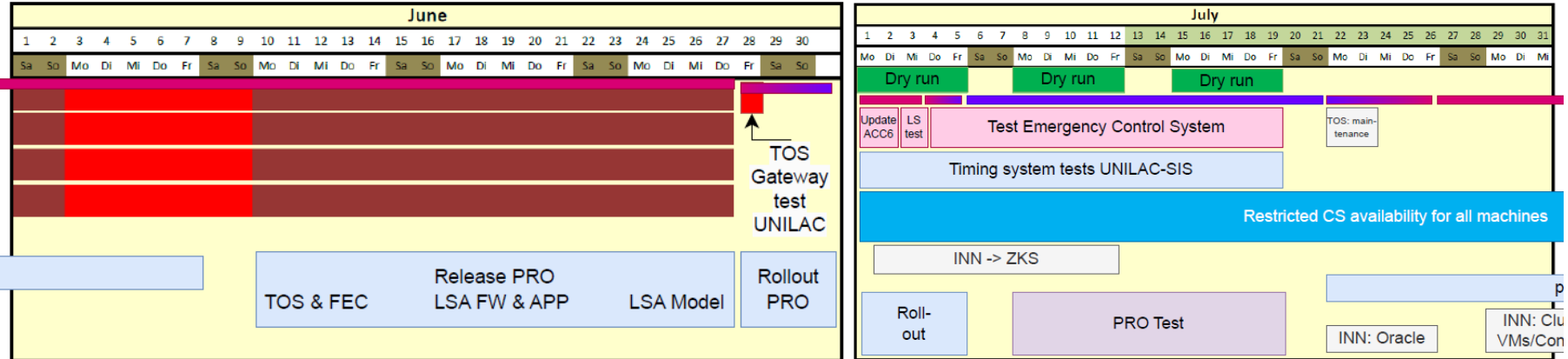


Preparation for Dry Run and Engineering Run 2024

Peter Gerhard, Hanno Hüther

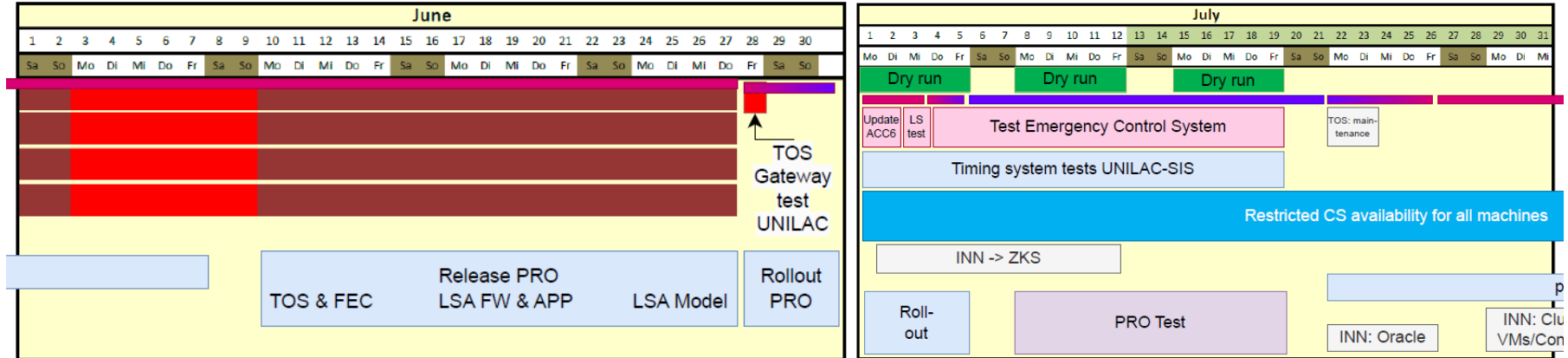
Dry Run 24_2 (2024-07-01 to 2024-07-24)



excerpt from ICU Project Test and Release Plan

- Preparation status: Still in rough planning
- Proposal for detailed planning to be prepared by Peter & Hanno until meeting with stakeholders on the topic (2024-05-29, 13:30 to 15:30, invitation pending)

Dry Run 24_2: Major Phases



excerpt from ICU Project Test and Release Plan

- Timing Gateway tests with beam
- Update acc6 & legacy system test
- Tests with development/prototype state of new control system

The ICU Working Group aims to provide and test:

- Making multiple Chains & Patterns resident
- Supplying settings for various magnet and RF devices (including LEPT magnets, MAZ and Phasenvorschub)
- Executing prototype chain timing (i.e. timing for Virtual Accelerators) and checking device functionality
- Pattern timing / Chain scheduling prototype (e.g. defining Untersetzung and checking VA sequence)

The ICU Working Group aims to provide and test:

- Shortened pulses, no beam and profile grid protection timing and switching between these operation modes
- Transfer channel preparation / MAGN_DOWN
- Non-interruptive trims and non-interruptive changes to Pattern timing (e.g. Untersetzung)
- ...and more

For these tests, various contributions from subprojects are required. Amongst others:

- Device Access models adapted for LSA compatibility
- Data Master UNILAC
- WR-2-MIL-Gateways
- 50 Hz synchronization of Data Master
- Emergency App Prototype
- Scheduling App for UNILAC

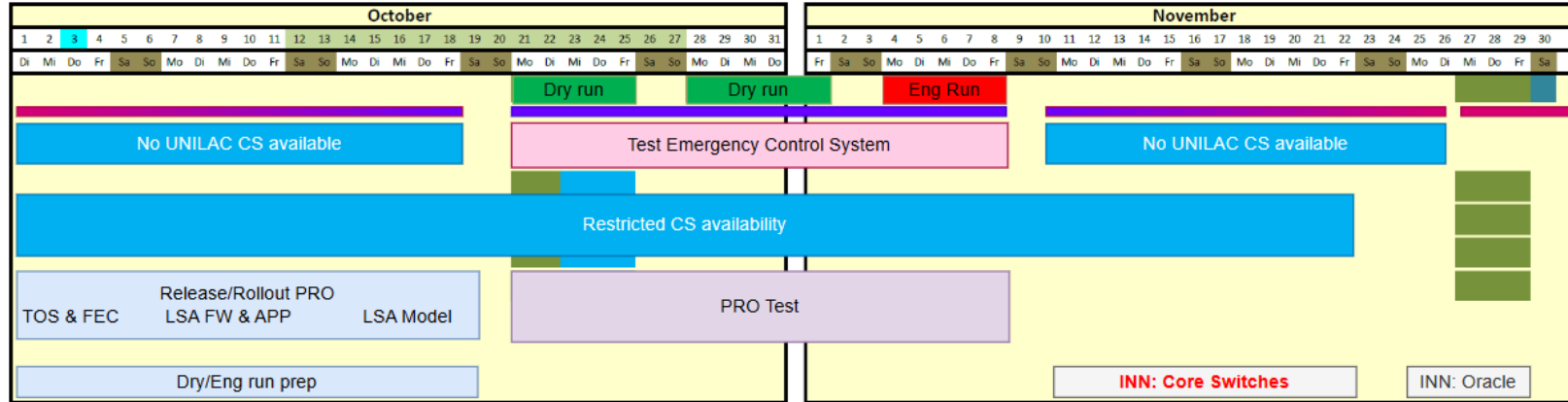
Various stakeholders are already planning tests, others may still join if they have testing needs and/or can build upon the planned feature set:

- APP (device interfaces, various applications)
- BEA? (new MAPS?)
- OPE (Potiboard, Sequencer?)
- SER? (BTM, Archiving?)

Currently planned as next steps for dry run preparation:

- Detailed planning (in preparation, to be discussed in ICU JF on 2024-05-29, 13:30 to 15:30)
- Discussion of open issues regarding Rahmen-/Klemmpulse for MAPS testing (any other stakeholders?)
- Clarification of organizational matters and documentation (ACO Lead Team meeting)
- Suggestions and issue reports welcome!

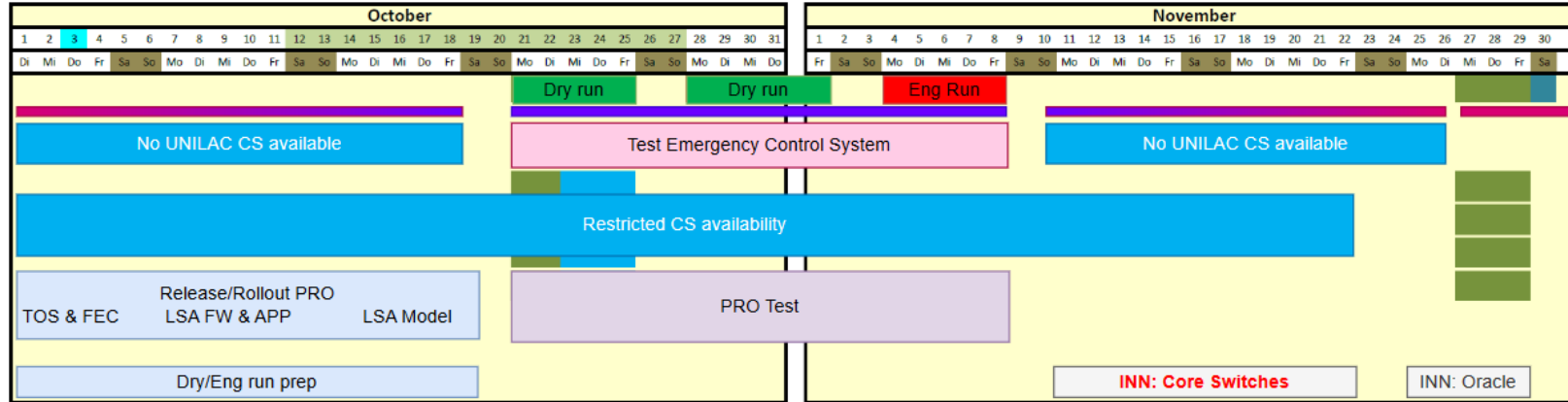
Outlook: Engineering Run



excerpt from ICU Project Test and Release Plan

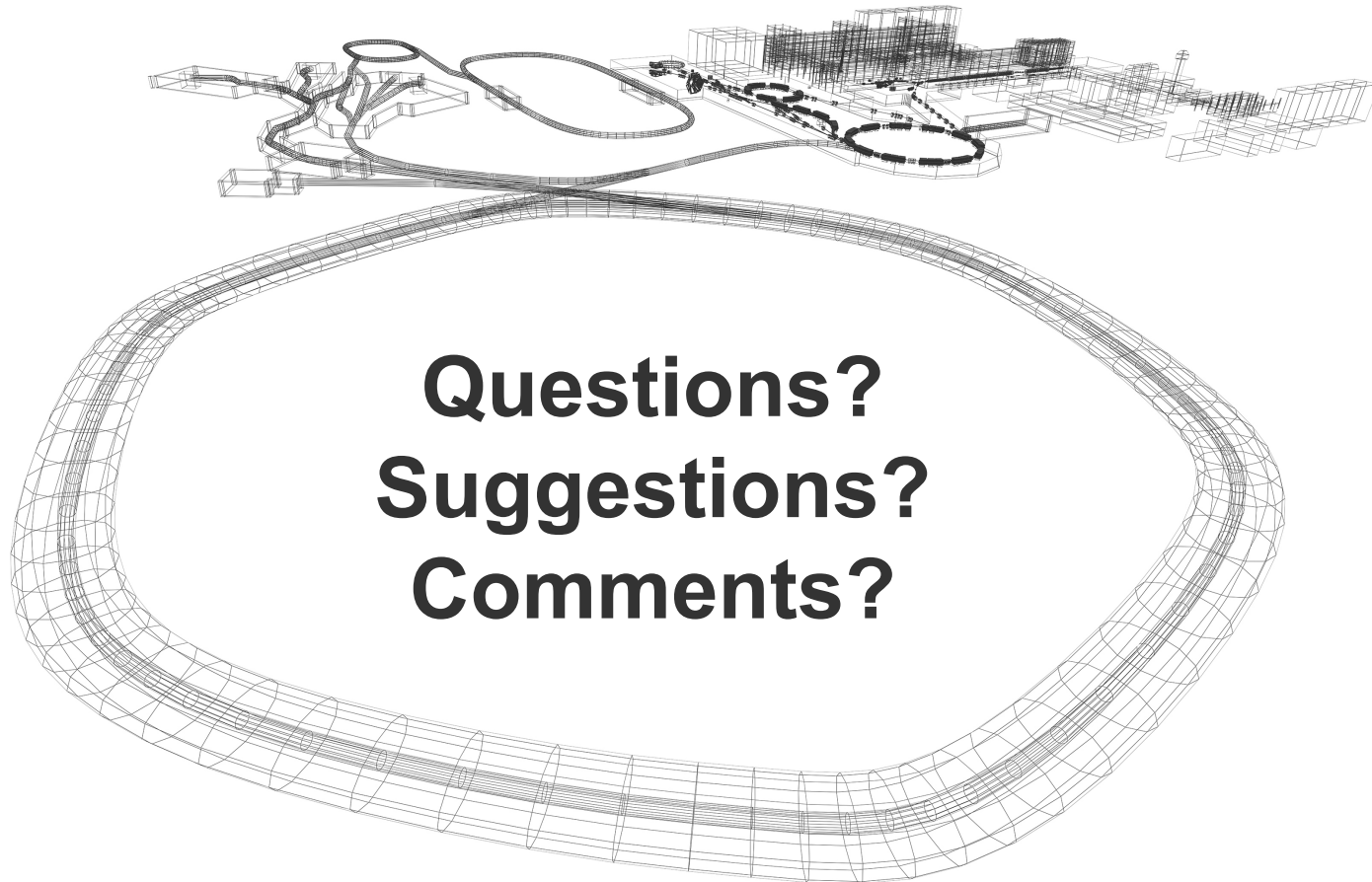
- Primary goal: Test feature set for (hopefully not required) emergency system operation
- Requested from OPE: Dry run from 2024-10-21 (2 weeks), Engineering Run with beam from 2024-01-11 (1 week)

Outlook: Engineering Run



excerpt from ICU Project Test and Release Plan

- Preparation status: Still being negotiated with OPE (currently only 2 weeks in **official annual schedule**)
- No beam transfer into SIS18 in 2024 due to excessive efforts that would be necessary for shielding, but promised for 2025



**Questions?
Suggestions?
Comments?**