

# Results from Dry-Run #1 (2019#1)



- Results
  - Merge and switch to Java11 (LTS version) was successful
  - Found a fixed a lot of regressions and bugs
  - New status: back to operational state (from LSA perspective)
  - More changes: OracleJDK->OpenJDK, git, new deploment/release, alternative CORBA implementation, ...)
  
  - Several applications (Device Control, Request App, ...) were also tested and if bugs occurred they were reported (e.g. BSS Request Processor)
  
  - No negative feedback known from BI
  - BI devices have not been tested during DR (were not available, communication/planning problem)
  
- Comments / Lessons learnt
  - Upcoming DR test shall be better prepared (list of equipment, test plan, all tech. dep. informed/involved)
  - Suggestion: Coordination by Operation department

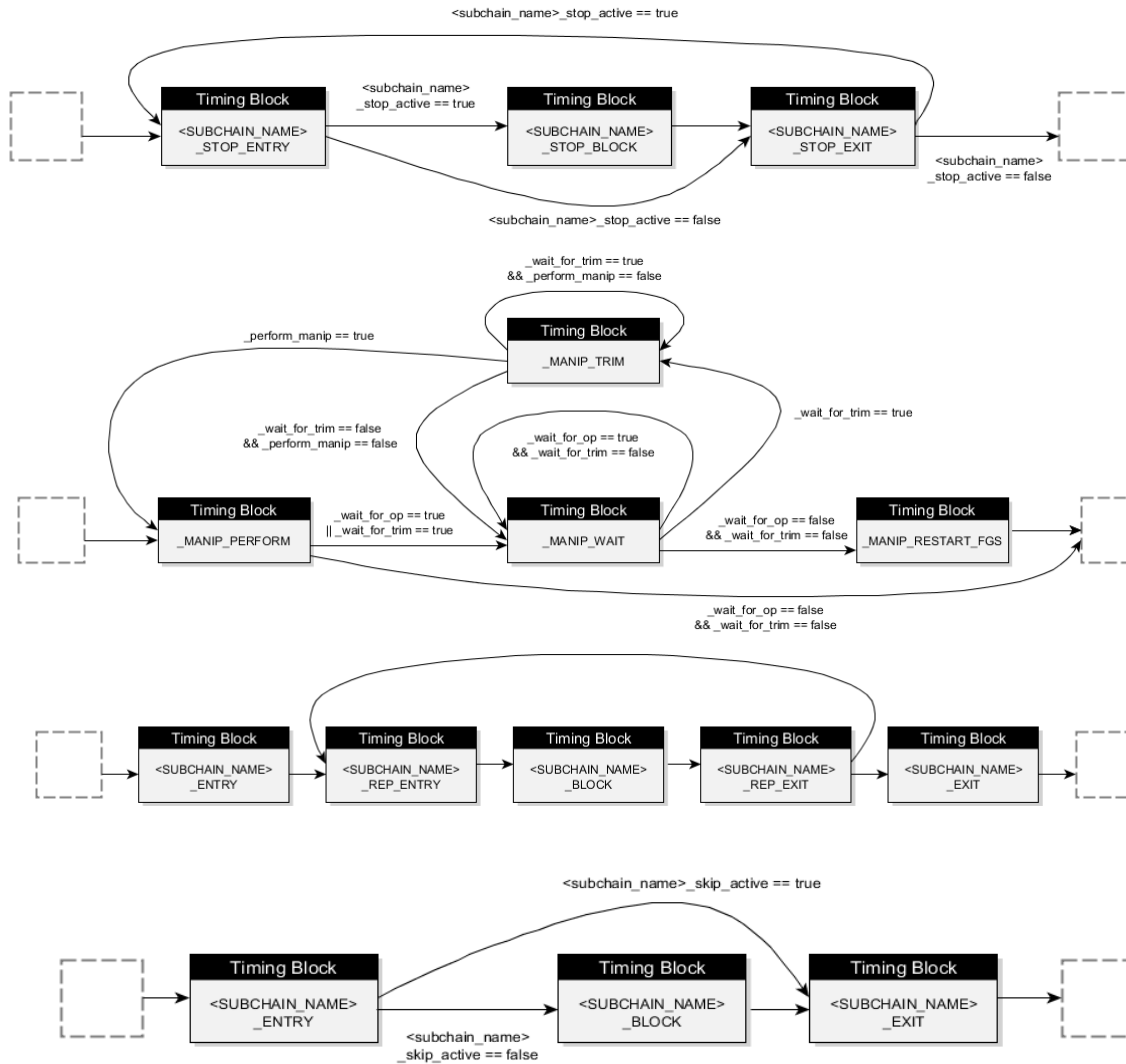
- Development Steps and Priorities of SR-Mode implementation
  - Development done in Scrum/Sprints of about 2-3 week each
  - **Basic Concepts → Done**
    - Make sure that existing functionality still works: Sub-Chains in Chains, Start Times and Length Changes for Sub-Chain, etc.
- 1. **“Break Points”**
- 2. **“Manipulations”**
  - A lot if input/work from physicists/modelers needed, lot of effort to be done by System Planning and SR-Dept.
- 3. **“Repetitions”**
- 4. **“Skipping”**
  - This feature is not critical for beam time – possible work-around is shorten the length of e.g. a ramp

Suggestion: Update planning/roadmap at the end of July (about 8 weeks from now)

# Status and Planning Storage Ring Mode



Break Points  
Manipulations  
Repetitions  
Skipping



# Testing (When can it be tested?)

- Storage Ring App
  - For each feature (1-4) a small expert App will be developed to test the functionality (or rely on existing Apps like ParaModi)
  - Expert App will probably (have to) be used for Dry-Runs and Engineering Runs
  - If possible, logic of the Expert Apps shall be re-used for the “final” SR-App
  - If not too much overhead the UI of the expert Apps should be already resemble the design drafts for the SR App (Hillbricht)
  - For BT 2020, a more “integrated” version of the expert Apps shall be available (e.g. combined in one App)
  - A full-fledged SR App based on the design of C. Hillbricht will probable not be available for BT 2020 and will be developed afterwards

## Dry-Run 2019#2 (09/2019)

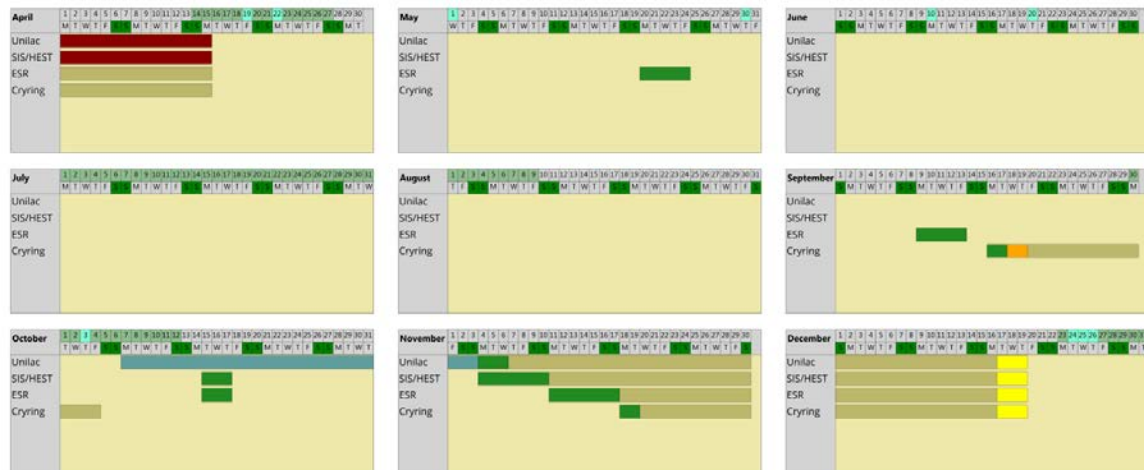
- Break Points
- Manipulations
- ESR->CRYRING transfer

## CRYRING beamtime (09/2019)

- Break Points
- Manipulations
- ESR->CRYRING transfer  
continue DR for ESR)

## Dry-Run 2019#3 (10/2019)

- Repetitions



# Testing (When can it be tested?)

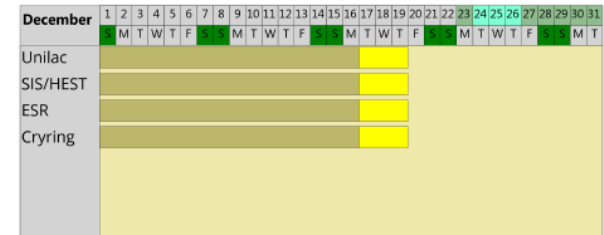
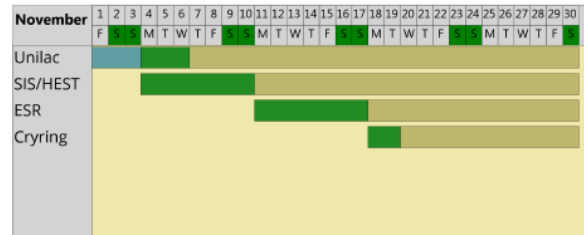
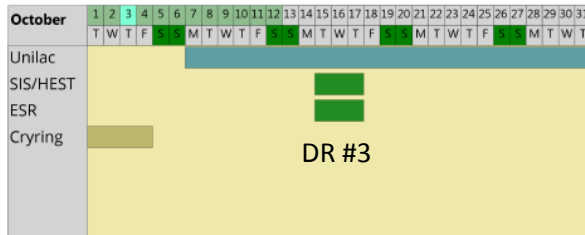
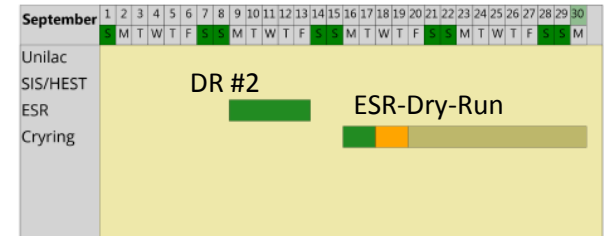
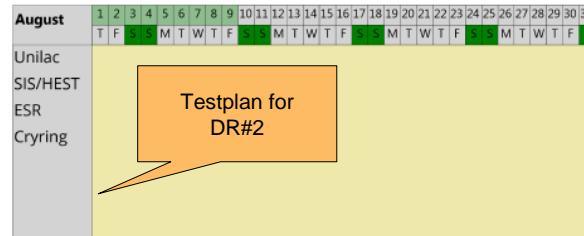
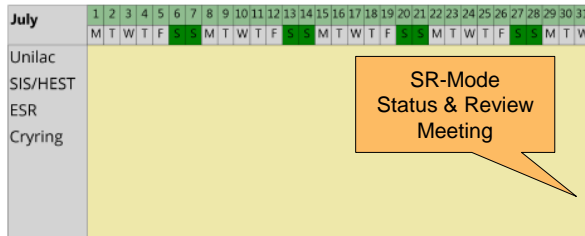
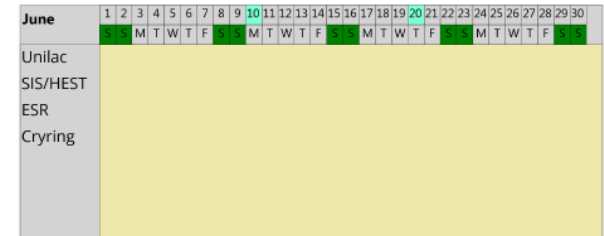
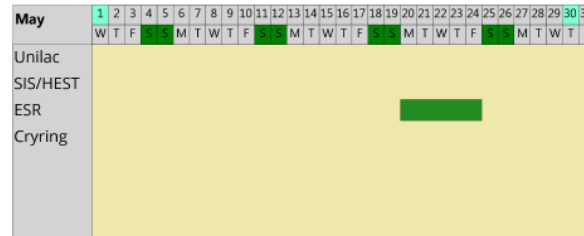
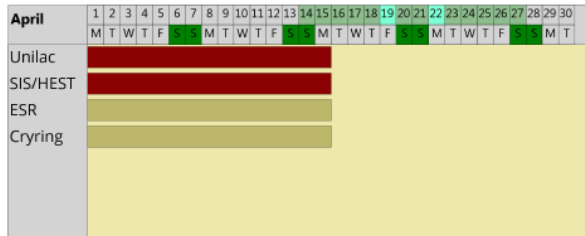


- Engineering Run (11-12/2019)
  - High-prio: clean-up / bugfixing of break-points, Manipulations, Repetitions
  - Skipping (if possible, otherwise the LSA team will implement it during the Engineering Run for Beam Time 2020)
- Beam Time 2020 (02/2020...)
  - SR-Mode in Production, extensive expert Support by LSA-Team

## Requirements

- For BT 2020: one week DR for each accelerator before operation phase (SIS, ESR)
- Need detailed Test-Plan for ESR already for DR#2 by 01.08.2019 (->Steck/MK)

# Schedule



# New Schedule Proposal



New Schedule proposal (29.05.2019)

- DR#2 and CRYRING in parallel → ESR-CRYRING coupling/transfer tests

