

Introduction

DC24 Preparation

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DOMA General Meeting

2023-03-29

<https://indico.cern.ch/event/1258343>

DC24 Planning Document

Discussed during [DOMA General meeting on Feb 1st](#)

Presented in the [WLCG MB on Feb 14th](#)

- Target rate should be **25%**
- Main request: New table with updated numbers

Final version will be published on Zenodo before Easter

Data Challenge 2024 *[draft proposal for wlcg-mb approval]*

Mario Lassnig and Christoph Wissing, for the WLCG DOMA Community

Context

This document lays out the general plan for the 2024 Data Challenge (DC24) towards HL-LHC, which is tentatively scheduled for early 2024. DC24 will be a dedicated network and disk challenge, the evaluation of tape storage is not foreseen. We follow the original document [1], which presented the long-term plan, as well as the wrap-up and recommendation document [2] from the 2021 Data Challenge (DC21).

Based on the long-term plan, the recommendations, and the outcome of discussions of the WLCG DOMA community [3, 4], we formulate the objectives and key outcomes we are anticipating, as well as a timeline towards DC24 and its evaluation.

Communication and coordination

DOMA is the platform to coordinate the challenge and should ensure the proper flux information. The main exchange point for progress reports are the DOMA General meetings, which typically happen at the last Wednesday of each month. Topical splinter groups should organise themselves in a bottom-up approach, under the auspices of DOMA Coordination, and report high-level summaries at the DOMA General. Minutes and ongoing technical documents shall be made public and proactively shared with the DOMA community via the wlcg-doma@cern.ch mailing list. This is to allow asynchronous but rapid discussion, disseminate information to a wide audience, reduce the need to convene meetings whenever possible, while taking into account the globally distributed nature of the participating persons and the difficulties incurred by time zones. The DOMA Coordinators will track these documents and facilitate communication between the teams.

Plan

Timeline

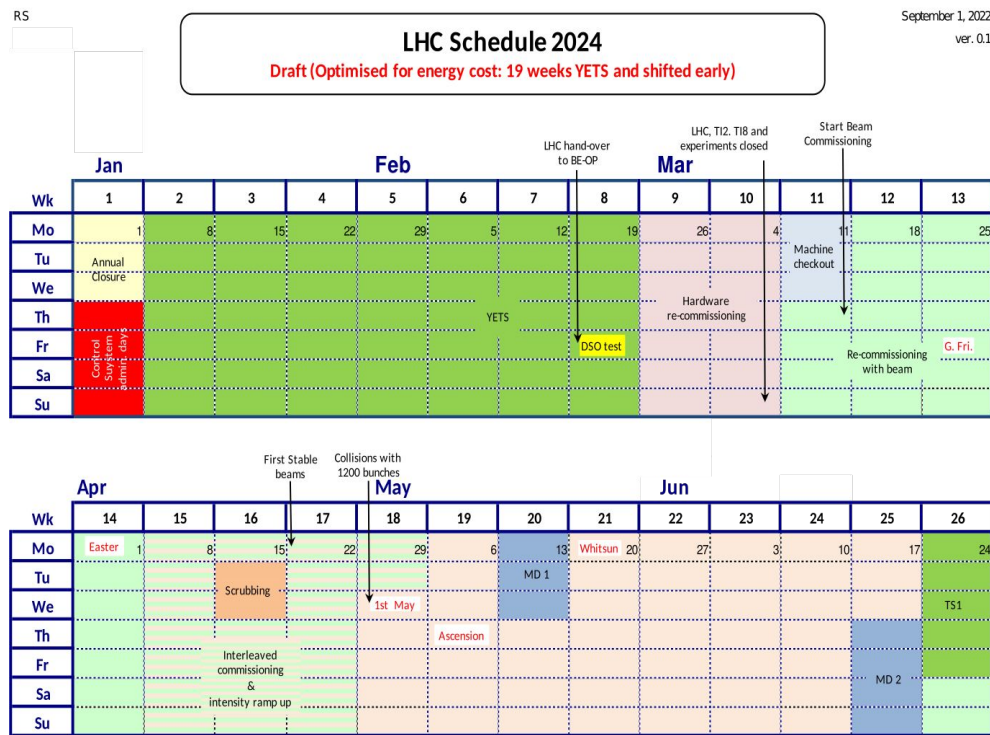
The time window of DC24 needs to be defined. The experiments have raised several constraints, also

LHC 2024 Schedule

Time window for DC24

- Commissioning with beam scheduled for middle of March
- Stable beam scheduled for middle of April
- A window of ~2 weeks needed for DC23
- Likely in March or end of February (early April is the Eastern and close to stable beams)

Constraints by participating parties to be collected



DC24 Workshop proposed

Format

Hybrid or video-conf only?

Location (if hybrid)

Co-locate or attach to another event?

Dates

When & for how long?

Clear program and goals needed