



MPS checklist for 2024 re-commissioning

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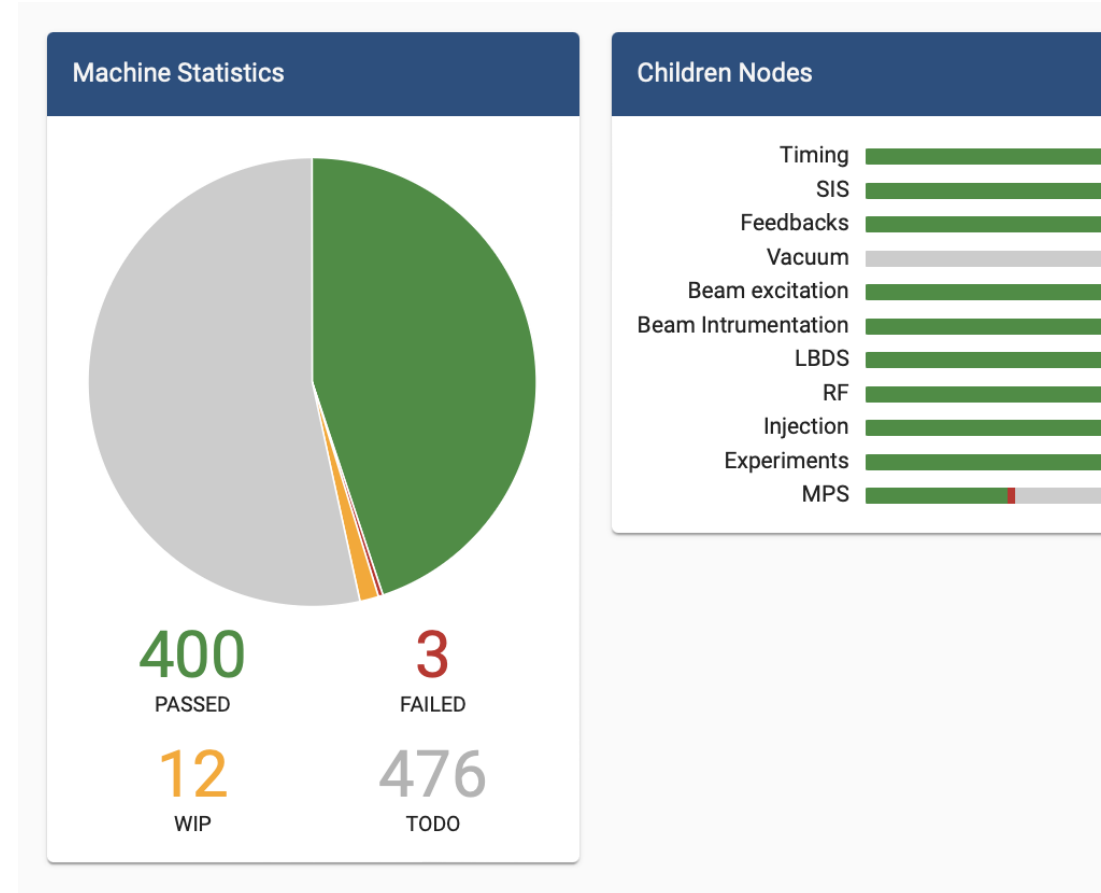
243rd Machine Protection Panel

Checklist for the 2024 commissioning



<https://checklist.cern.ch>

- **MPS tree** in the LHC machine checklist was created for the 2021 commissioning
 - Checklist based on the MPS commissioning procedures for all MP systems
- **Statuses of all tests reset after YETS**
 - History of past iterations is preserved
 - Tests not required for the recommissioning this year are greyed out



Checklist for the 2024 commissioning




- **Updates for 2024**
 - No major change
 - **BBWC**
 - All wires available, tests “activated” for each wire
 - **BCCM checklist**
 - To be upgraded (to be presented at the [244th MPP](#))
 - **LBDS checklist**
 - Updated to include tests related to the LBDS test mode (to be presented at the [244th MPP](#))
 - **Injection & BLM checklists**
 - Tests for the blindable BLM functionality are included for this year
 - **FMCM**
 - Triggered (FMCM *not* masked) only for RD1 at flat-top

- ✓ MPS
 - ADT
 - > ARP
 - BBCW
 - BCCM
 - > BLM system
 - BPF
 - > BIS
 - BTV
 - Collimation**
 - > FMCM
 - Injection
 - > LBDS
 - > PIC
 - Post-Mortem
 - > TOTEM/PPS
 - UPS
 - > Vacuum
 - > WIC
 - > SMP
 - LASS-access

Status

- Testing is on-going, experts started filling in the checklists
- Most checklists are split between hardware commissioning and beam commissioning: easier to gather the status for readiness for first beam (reports to be presented at the [244th MPP](#))


AFP


	AFP Roman pots	ALFA Roman pots
MPP/ARP - 01 - Injection permit removal 		
MPP/ARP - 02 - User permit removal 		
MPP/ARP 03 - LVDT bypass		



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Collimation

	Status
Position/Gap Interlocks	
Local Mode Interlock	
Test Power Cut and PRS Reboot Interlock	
Test temperature interlock	
Test RBAC interlock	
Test MCS-Collimator role info	
Goniometers Replacement Chamber Interlock	

 Collimation system testing and commissioning, following the MPS procedure EDMS-889345.



home.cern

Reset functionality

- Partial reset (different from “whole tree reset date”) available in admin mode
 - Reset a sub-tree (possibly including children) and add a comment
 - Reset a single test (with added comment)

Node #1003794

Name
ADT

Description

Children
New child name

Reset Node



Node history from Machine Reset Date

B1 Define BLM thresholds.

User	Time	Status	Actions
YDUTHEIL	2021-10-19 15:58:28		Message, Delete
now operational procedure, currently set as before LS2 but adapted as needed when intensity is increased			
YDUTHEIL	2021-10-19 16:01:16	✓	Delete
CHERNALS	2022-03-17 16:33:57		Message, Delete
Reset following YETS 2021-2022			
CHERNALS	2022-03-17 16:33:57		Refresh, Delete

Reset Results?

You are about to reset results, you might want to add a comment explaining why this is needed.

Reset comment

Reset all children

Cancel Reset