



MPS checklist for 2022 re-commissioning

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220th Machine Protection Panel

Status for 2022



<https://checklist.cern.ch>

- **MPS tree** in the LHC machine checklist
- **Status following beam tests in 2021**
 - Re-commissioning procedures for all MP systems present in the tool
 - Tests not required for the beam test were greyed out
- **Status for 2022 re-commissioning**
 - Checklist updated to the latest versions of the procedures
 - Full reset of the whole MPS tree (history of statuses and comments are preserved)
 - All tests are in “to-do” state
 - In case non-required tests are identified, they must be greyed out again with a justification

















The screenshot shows a web browser window titled "Node history from Machine Reset Date". The main content area displays a table of nodes. The first node is "B1 Define BLM thresholds." with a green status icon. Below it, a comment box contains the text: "now operational procedure, currently set as before LS2 but adapted as needed when intensity is increased". The second node is "YDUTHEIL" with a green checkmark status icon and a timestamp of "2021-10-19 16:01:16". The third node is "CHERNALS" with a greyed-out status icon and a timestamp of "2022-03-17 16:33:57". Below this, a comment box contains the text: "Reset following YETS 2021-2022". The fourth node is "CHERNALS" with a blue circular arrow status icon and a timestamp of "2022-03-17 16:33:57".

Status for 2022

- **Improvements for better readability**

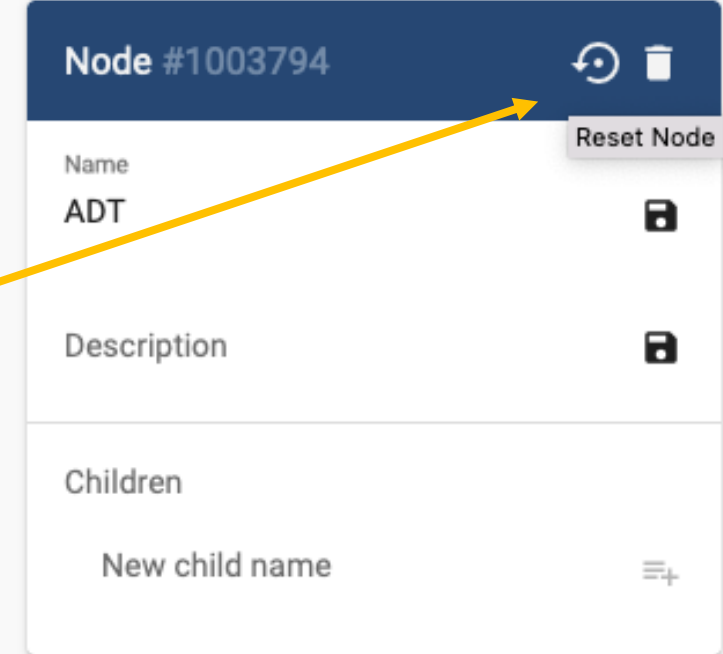
- Improvements for some systems to follow the procedure more closely
- *Dummy tests (dark grey)* to structure the list
- Details from the procedure are included

	B1	B2
		
6. Operator switch on injection BICs 		
BIC Injection inhibit 		
7. LHC beam permit 		
LHC Beam permit - Verify inhibit on injection BICs 		
LHC Beam permit - BIC test mode 		
8. Injection septa (MSI) 		
Trim MSI current 		
9. Injection kicker magnets (MKI)		
9.1 Kick status 		
MKI Toggle status 		
9.2 Energy tracking 		
MKI - BETS - Trim injection voltage 		
MKI - BETS - Trim the LHC injection energy 		
9.3 Abort gap protection 		

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

New 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)



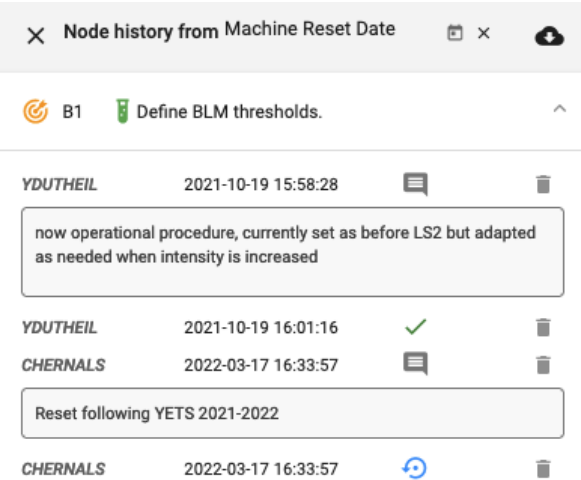
Node #1003794

Name
ADT

Description

Children
New child name

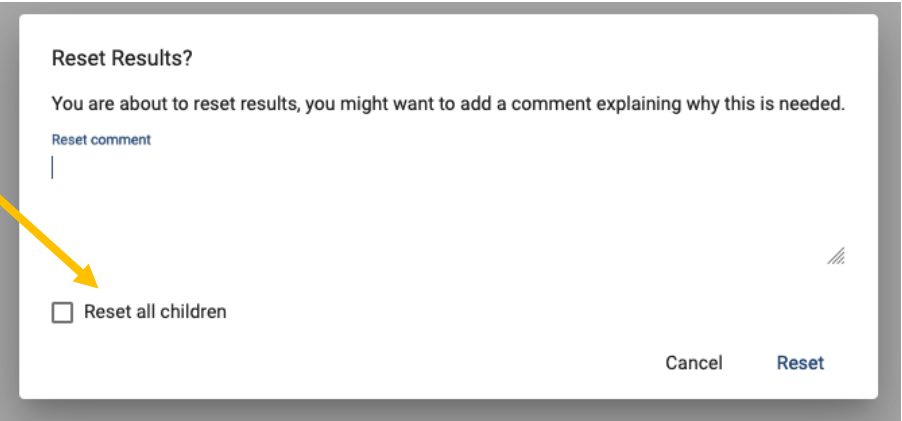
Reset Node



Node history from Machine Reset Date

B1 Define BLM thresholds.

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



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



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