



MPS (re-)commissioning post EYETS 2016/17

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2017 Q1, Q2

	Jan			Feb				Mar					
Wk	1	2	3	4	5	6	7	8	9	10	11	12	13
Mo	2	9	16	23	30	6	13	20	27	6	13	20	27
Tu													
We													
Th													
Fr													
Sa													
Su													

Controls interventions (Jan 2-9)

TODAY (Feb 5)

Technical stop (EYETS) (Mar 7-8)

	Apr			May				June							
Wk	14	15	16	17	18	19	20	21	22	23	24	25	26		
Mo	3	10	Easter Mon	17	24	1st May	8	15	22	29	Whit	5	12	19	26
Tu															
We															
Th															
Fr		G. Friday													
Sa															
Su															

Scrubbing (June 23)

Machine checkout (Apr 17)

Ascension (May 21)

Recommissioning with beam (May 20-21)

Special physic run (June 25)

- Review of EYETS modifications and planned MPS tests **system by system** → MPP presentations during **February / March**
- If necessary **update MPS procedures**, by the **end of March**.
- Use a shared excel document (e.g. see [MPS Commissioning 2016](#)) to **track combined re-commissioning tests** of multiple MP systems OR tests, which **require beam** → April

MP system responsible and re-commissioning procedures

MP System	Responsible	MPP presentation	Commissioning procedure
Collimation System	Stefano Redaelli / Roderik Bruce		Released
Injection Protection System	C. Bracco / W. Bartmann		Released
Beam Interlock System	C. Martin / I. Romera		Released
Powering Interlock System	A. Antoin / I. Romera		Released
Vacuum System	G. Pigny		Released
Beam Dump System	C. Bracco / W. Bartmann		Released
FMCM	A. Antoin / I. Romera		Released
BLM System	C. Zamantzas ? / B. Holzer		Engineering check
Warm Magnet Interlock System	R. Mompo / P. Dahlen		Released
Safe Machine Parameter System	I. Romera / C. Martin		Released
Software Interlock System	J. Wenninger / L. Ponce		Released
Beam Current Change Monitor	D. Behlorad		Draft procedure
ADT- AC dipole	D. Valuch		

Changes we already know about

- **Collimation:**
 - Button BPM interlock
 - BB wire
 - New crystal collimators V2 for B2
 - Low impedance material test phase two TCSG
- **Injection Protection:**
 - AGK → procedure for parameter change required (→ MPP 17.02.)
 - Change of MKI pulse length?
 - TDI interlock logic?
- **LBDS:**
 - TSU firmware upgrade
 - MKB maintenance and generator spark mitigation
 - Reliability run
 - Local BIS loop
- **BIS:**
 - Local BIS loop
 - CIBDS V5
 - Parallel BIS loop (not interlocked) BIS V1.23
- **PIC:**
 - Global Protection
- **Vacuum:**
 - TDE N2 pressure interlock (→ MPP 03.03.)
 - TDE intervention
- **FMCM:**
 - 4 new PC for warm separation dipoles
- **BLMs:**
 - Cryo BLMs
 - BLMs around D1
 - Diamonds ↔ ICQ
- **WIC:**
 - BB wire collimator
 - New generic PLC code
- **SMP:**
 - 24 Bits DCBCT electronics
 - Redundant BCTs in SPS
- **SIS:**
 - Collimator button BPM interlock
 - BPMS 'life' check
- **ADT:**
 - AC-dipole

Next...

- Update system responsible by next MPP (17.02.)
- MPP presentations (2-3 slides) and up to the end of March.
- Update the MPS commissioning docs if required to have a validated reference until end of March.