

MPS re-commissioning in the MPP

Daniel Wollmann

Goals

- Review changes in machine protection systems during LS2
- Update and re-release commissioning procedures where required
- Discuss the re-commissioning plans, including possible special needs, with focus on machine protection in the MPP
- Derive a machine protection check list for the commission (BE-OP, HW experts and MPP)

Machine Protection and Related Systems

MPS System	MPP presentation	Procedure	Release date
Collimation System	21.05.	<u>889345 v.2.2</u>	V2.1 released 13.09.2017; V2.2 under approval
Injection Protection System	23.04.	<u>889343 v.4.0</u>	08.06.2016
Beam Interlock System	19.02. ✓	<u>889281 v.3.0</u>	21.04.2016 ✓
Powering Interlock System	19.02. ✓	<u>896390 v.4.0</u>	12.02.2016
Vacuum System	26.03.	<u>896391 v.1.0</u>	03.06.2016
Beam Dump System	23.04.	<u>896392 v.3.0</u>	02.06.2016
FMCM	19.02.	<u>896393 v.3.2</u>	02.03.2018 ✓
BLM System	30.04.	<u>896394 v.3.4</u>	Approval closed 13.03.2018
Warm Magnet Interlock System	19.02. ✓	<u>896395 v.3.0</u>	24.02.2016 ✓
Safe Machine Parameter System	19.02. ✓	<u>1112187 v.1.0</u>	01.08.2016 ✓
Software Interlock System	30.04.	<u>1062498 v.1.3</u>	15.01.2020
Beam Current Change Monitor	tbd	in work	ECR: <u>2308155 v.0.1</u>
Beam Beam Wire Compensator	tbd	<u>2384198 v.0.1</u>	Under approval 11.06.2020
Transvers damper (ADT)	Mid April (tbc)		Commissioning needs to be defined
TOTEM / CTPPS	21.05.	No procedure	
ARP	21.05.	No procedure	