

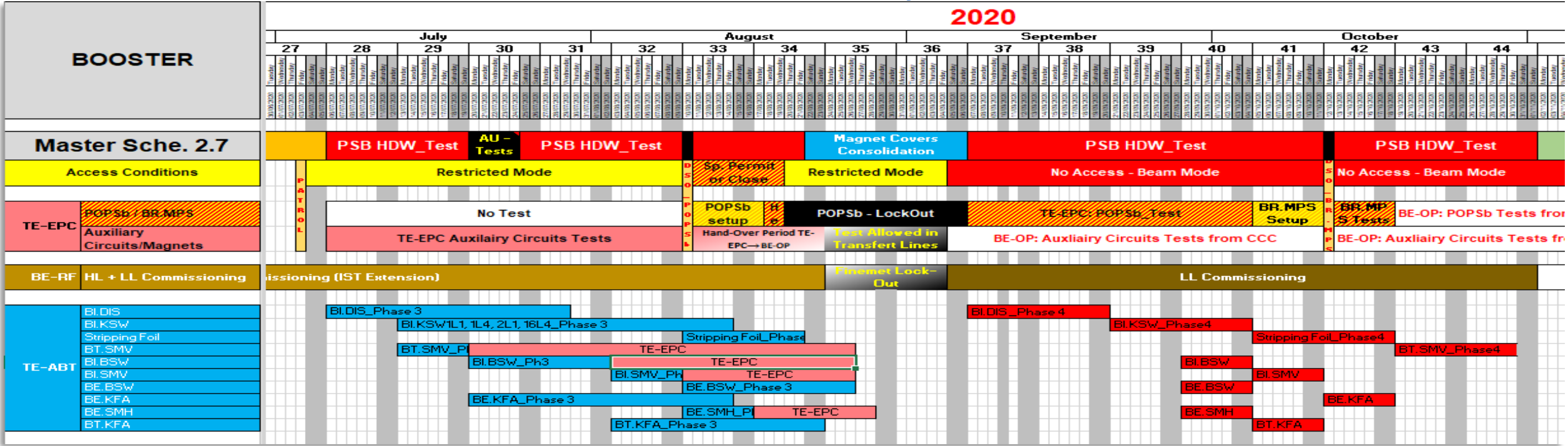
~ PSB ~

Hardware Commissioning Planning

Facilities Operation Meeting (FOM) 2020 #1

A. Akroh, F. Chapuis

Hardware-Test Schedule Overview and Key dates

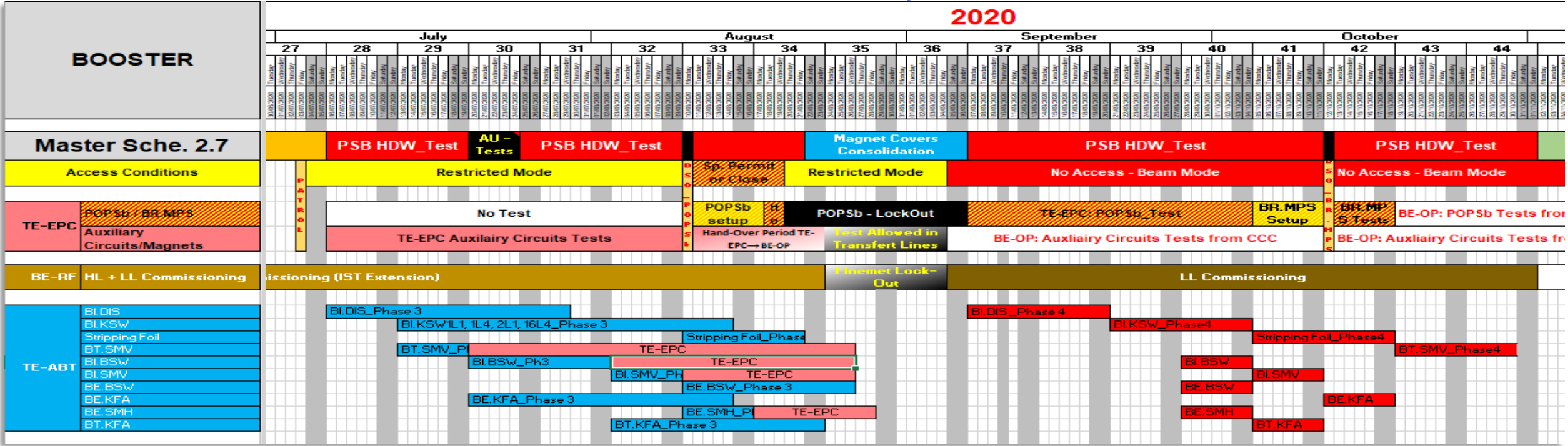


Hardware Test in Booster → 17 weeks (06-07-2020 to 30-10-2020)

- **03/07 Afternoon** → Booster Patrol – Machine Closure
- **06/07 to 09/08 (W.28 to W.32)** → Access allowed In Restricted Mode
 - ❖ In test:
 - Auxiliary Magnets and Power Converters
 - High-Level RF (Finemet)
 - Beam Transfer Equipment – Phase 3

- **10/08** → POPS-b “DSO Test”
- **11/08 to 19/08 (W.33 to W.34)** → No Access or Special Permit
 - ❖ In Test:
 - POPSb Start-up
 - Main Magnets Heat Run
- **20/08 to 04/09 (W.35 to W.36)** → Access allowed In Restricted Mode
 - ❖ Intervention: Covers Installation and Consolidation

Hardware-Test Schedule Overview and Key dates



- 05/09 to 11/10 (W.37 to W.41) → No Access – Beam Mode (if access needed, BE-OP will manage grouped access)
 - ❖ In test:
 - POPS-b Tests + BR.MPS Setup
 - Auxiliary Magnets and Power Converters (from CCC)
 - Low-Level RF (Finemet)
 - Beam Transfer Devices – Phase 4
- 12/10 → BR.MPS “DSO Test”
- 13/10 to 18/11 (W.42) → No Access – Beam Mode (if access needed, BE-OP will manage grouped access)
 - ❖ In test: → BR.MPS Startup
- 19/10 to 01/11 (W.43 to W.44) → No Access – Beam Mode (if access needed, BE-OP will manage grouped access)
 - ❖ Back to POPSb configuration
 - ❖ Tests + Dry-Run Finalization

Hardware-Test in the coming weeks in details

BOOSTER		July			
		27	28	29	30
Master Sche. 2.7			PSB HDW_Test	AU - Tests	
Access Conditions			Restricted Mod		
TE-EPC	POPSb / BR.MPS	P A T R O L	No Test		
	Auxiliary Circuits/Magnets		TE-EPC Auxiliary Circ		
BE-RF	HL + LL Commissioning				
TE-ABT	BI.DIS	BI.DIS_Phase 3			
	BI.KSW	BI.KSW1L1, 1L4, 2L1, 16L			
	Stripping Foil				
	BT.SMV	BT.SMV_Ph			
	BI.BSW	BI.BSW_Ph			
	BI.SMV				
	BE.BSW				
	BE.KFA	BE.KFA_Ph			
BE.SMH					

- 03/07 Afternoon → Booster Patrol – Machine Closure
- “ARRET D’URGENCE” Tests in CPS Machines and Meyrin Experimental Areas test: 21-21/07-20 (w.30)
- 06/07 to 24/07 (W.28 to W.30) → Access allowed In Restricted Mode
 - ❖ Test Managed by the Equipment Groups:
 - TE-EPC test: Auxiliary Power Converters connected to Magnet
 - High-Level RF (Finemet) test and reliability run continuation
 - Beam Transfer Devices – Phase 3 tests starting with: BI.DIS, BI.KSW, BT.SMV, BI.BSW, BE.KFA
 - ❖ Test Managed by BE-OP:
 - Dry-Run with BTV (BE-BI) – week. 28
 - Dry-Run with BI.SMV10 Scrapers (BE-BI) – week. 29
 - Other Dry-Runs to be confirmed

HW Commissioning - Organization

- IMPACT mandatory only for interventions in the machine – please select the correct period (OPERATION-2020-PSB)
- Linac4 and PSB HW commissioning in parallel; 1 operator per machine on shift (5:30 - 13:30, 13:30 - 21:30)
- PSB HW commissioning coordinators in CCC during day-time
 - ❖ Abdel Akroh – 71331 / 160244
 - ❖ Fabrice Chapuis – 77019 / 160109
- Dry-Run scheduling in progress
- HDW-Test Schedule available on:
 - MS-Project Online: PSB LS2 restart HC or Gantt-Viewer
- Follow-up Test meeting not yet established: daily or weekly (due to Post-Lockdown - COVID)
 - Until further notice, over the phone or video conference (<https://vidyoportal.cern.ch/join/pPOR2L2sFG>) with the PSB HW commissioning coordinators (Abdel / Fabrice)

