Commissioning Coordination Committee meeting 10/01/2020

Fernando PEDROSA





					LINAC4 DSO tests	
Access area	DSO tests done prior to this test (YES/NO)	Access mode required for the test (GENERAL/RESTRICTED/ BEAM)	Access area that may be forced as part of this test (YES/NO)	Affected area (YES/NO)	Equipment to be lockout to protect the team during the test (proposal that is to be cross-checked with OP requirements at the time of the tests)	Equipment to be lockout after the tests (proposal that is to be cross-checked with OP requirements at the time of the tests)
LINAC4	n/a	n/a	n/a	YES	L4L.TDI1187+L4L.TDI1188 then Source H-	Convertisseur L4T.RBH.021
LINAC3	NO	n/a	n/a	n/a		
LEIR	NO	n/a	n/a	NO		
PS SWY	NO	General or Restricted	YES	YES (patrol)		
PS Ring	n/a	n/a	n/a	n/a	n./a.	
TT2	n/a	n/a	n/a	n/a		
PSB	n/a	n/a	n/a	n/a		
SPS	n/a	n/a	n/a	n/a		

					LEIR DSO tests	
Access area	DSO tests done prior to this test (YES/NO)	Access mode required for the test (GENERAL/RESTRICTED/ BEAM)	Access area that may be forced as part of this test (YES/NO)	Affected area (YES/NO)	Equipment to be lockout to protect the team during the test (proposal that is to be cross-checked with OP requirements at the time of the tests)	Equipment to be lockout after the tests (proposal that is to be cross-checked with OP requirements at the time of the tests)
LINAC4	NO	n/a	n/a	n/a		
LINAC3	n/a	n/a	n/a	n/a	Source L3 ou ITF.BHZ14 (not EIS)	
LEIR	n/a	BEAM	YES	YES		
					Si tests DSO SWY H- déjà réalisés, si le SWY est en mode accès, pas	Si BP SWY déjà accordé, pas de consignation
PS SWY	NO	General or Restrictied	YES	YES (Patrol)	de consignation supplémentaire demandée.	nécessaire.
PS Ring	NO	n/a	n/a	n/a		necessane.
TT2	n/a	n/a	n/a	n/a		
PSB	n/a	n/a	n/a	n/a		
SPS	n/a	n/a	n/a	n/a		





PS SWY DSO tests

Access area	DSO tests done prior to this test (YES/NO)	Access mode required for the test (GENERAL/RESTRICTED/ BEAM)	Access area that may be forced as part of this test (YES/NO)	Affected area (YES/NO)	Equipment to be lockout to protect the team during the test (proposal that is to be cross-checked with OP requirements at the time of the tests)	Equipment to be lockout after the tests (proposal that is to be cross-checked with OP requirements at the time of the tests)
LINAC4	YES	BEAM	YES	YES	L4L.TDI1187+L4L.TDI1188	Convertisseur L4T.RBH.021
					Source L3 ou ITF.BHZ14 (not EIS) ou IFT.STP11 + IFT.STP12 (already	IFT.STP11 + IFT.STP12 (already locked-out by
LINAC3	n/a	BEAM	YES (door in the gallery)	YES	locked-out by BE SU since 11.12.18)	BE SU since 11.12.18)
LEIR	YES (nice to have)	BEAM	YES	YES		
PS SWY	n/a	BEAM	YES	YES		
						BT.BHZ10 (protège PS Ring)
						Si travaux non finis sur POPS, alors on
PS Ring	NO	General or Restricted	YES	YES (patrol)		consignera l'EIS-m après les tests
TT2	NO	General or Restricted	YES	YES (patrol)		
PSB	Together	Beam	YES	YES		
SPS	n/a	n/a	n/a	n/a		

PS Booster DSO tests

Access area	DSO tests done prior to this test (YES/NO)	Access mode required for the test (GENERAL/RESTRICTED/ BEAM)	Access area that may be forced as part of this test (YES/NO)	Affected area (YES/NO)	Equipment to be lockout to protect the team during the test (proposal that is to be cross-checked with OP requirements at the time of the tests)	Equipment to be lockout after the tests (proposal that is to be cross-checked with OP requirements at the time of the tests)
LINAC4	YES	BEAM	NO	YES	L4L.TDI1187+L4L.TDI1188	
					Source L3 ou ITF.BHZ14 (not EIS) ou IFT.STP11 + IFT.STP12 (already	
LINAC3	n/a	n/a	n/a	n/a	locked-out by BE SU since 11.12.18)	BTY.BVT101 (protège ISOLDE)
LEIR	YES	n/a	n/a	n/a		Si travaux non finis sur POPS-B, alors on
PS SWY	Together	BEAM	YES	YES		consignera l'EIS-m après les tests
PS Ring	NO	General or Restricted	n/a	NO		BT.BHZ10 (protège PS Ring)
TT2	NO	General or Restricted	n/a	NO		B1.B11210 (protege F3 Killg)
PSB	n/a	BEAM	YES	YES		
SPS	n/a	n/a	n/a	n/a		





					PS Ring DSO tests	
Access area	DSO tests done prior to this test (YES/NO)	Access mode required for the test (GENERAL/RESTRICTED/ BEAM)	Access area that may be forced as part of this test (YES/NO)	Affected area (YES/NO)	Equipment to be lockout to protect the team during the test (proposal that is to be cross-checked with OP requirements at the time of the tests)	Equipment to be lockout after the tests (proposal that is to be cross-checked with OP requirements at the time of the tests)
LINAC4	YES	BEAM	NO	NO	L4L.TDI1187+L4L.TDI1188	
					Source L3 ou ITF.BHZ14 (not EIS) ou IFT.STP11 + IFT.STP12 (already	
LINAC3	n/a	n/a	NO	NO	locked-out by BE SU since 11.12.18)	
LEIR	YES	n/a	NO	NO		
PS SWY	YES	BEAM	YES	YES		F61.PE. SMH57 (protège Zone Est - si non
PS Ring	n/a	BEAM	YES	YES		installé lors des tests DSO du PS Ring, devra
TT2	n/a	n/a	NO	NO		être consigné jusqu'au tests DSO Zone Est
PSB	YES	BEAM	NO	YES		Primaire)
SPS	n/a	n/a	n/a	NO		PE.SMH16 (protège TT2)

TT2	DSO	tests
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Access area	DSO tests done prior to this test (YES/NO)	Access mode required for the test (GENERAL/RESTRICTED/ BEAM)	Access area that may be forced as part of this test (YES/NO)	(YES/NO)	Equipment to be lockout to protect the team during the test (proposal that is to be cross-checked with OP requirements at the time of the tests)	Equipment to be lockout after the tests (proposal that is to be cross-checked with OP requirements at the time of the tests)
					Convertisseur L4T.RBH.021 (on veut voir la sécurisation zone	
LINAC4	YES	BEAM	NO	NO	amont, donc l'effet sur les stoppers de la ligne de transfer L4T)	F61.PE. SMH57 (protège Zone Est - si non
					Source L3 ou ITF.BHZ14 (not EIS) ou IFT.STP11 + IFT.STP12 (already	installé lors des tests DSO du PS Ring, devra
LINAC3	n/a	BEAM	NO	NO	locked-out by BE SU since 11.12.18)	être consigné jusqu'au tests DSO Zone Est
LEIR	YES	BEAM	NO	NO		Primaire)
PS SWY	YES	BEAM	NO	YES		F16.BHZ377 (protège SPS)
PS Ring	YES	BEAM	YES	YES		F16.BTI247S (protège AD-Target)
	n/a	BEAM	YES	YES		FTN.BHZ403-406 (protège nTOF)
PSB	YES	BEAM	NO	YES		FTN.BHZ403-400 (protege HTOF)
SPS	NO	General or Restricted	YES	YES (patrol)		





					SPS DSO tests	
Access area	DSO tests done prior to this test (YES/NO)	for the test (GENERAL/RESTRICTED/ BEAM)	Access area that may be forced as part of this test (YES/NO)	Affected area (YES/NO)	Equipment to be lockout to protect the team during the test (proposal that is to be cross-checked with OP requirements at the time of the tests)	Equipment to be lockout after the tests (proposal that is to be cross-checked with OP requirements at the time of the tests)
LINAC4	YES	n/a	NO	NO		
		. 7	NO	NO	Source L3 ou ITF.BHZ14 (not EIS) ou IFT.STP11 + IFT.STP12 (already locked-out by BE SU since 11.12.18)	
LEIR			NO	NO		RBI.410010 (protège AWAKE)
PS SWY		•	NO	NO		TED.29133 (protège TI2)
PS Ring	YES	n/a	NO	NO		TED.87765 (protège TI8)
TT2	YES	BEAM	YES	YES	F16.BHZ377 (sera déconsigné au cours des tests pour le tester, mesure compensatoire : beam inhibit red button from CCC)	TED.210358 (protège zone Nord)
PSB	YES	n/a	NO	NO		ļ
SPS	n/a	BEAM	YES	YES		
	East Area P	Primary DSO t	tests			
Access area	DSO tests done prior to this test (YES/NO)	Access mode required for the test (GENERAL/RESTRICTED/ BEAM)	Access area that may be forced as part of this test (YES/NO)	Affected area (YES/NO)	Equipment to be lockout to protect the team during the test (proposal that is to be cross-checked with OP requirements at the time of the tests)	Equipment to be lockout after the tests (proposal that is to be cross-checked with OP requirements at the time of the tests)
LINAC4	YES	n/a	NO	n/a		
LINAC3	n/a	n/a	NO	n/a	Source L3 ou ITF.BHZ14 (not EIS) ou IFT.STP11 + IFT.STP12 (already locked-out by BE SU since 11.12.18)	
LEIR	YES	n/a	NO	n/a		
PS SWY	YES	BEAM	NO	YES		ZT9.STP01, ZT9.STP02, ZT10.STP01,
PS Ring		BEAM	YES	YES	BT.BHZ10 (convertisseur consigné ou bloqué en polarité négative pour autoriser faisceau Isolde uniquement) ou BTP.STP10	ZT11.STP01 (nomenclature pré-LS2)
TT2	YES	n/a	NO	n/a		
PSB		n/a	NO	n/a		
SPS	n/a	n/a	NO	n/a		
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AD Target + AD Ring DSO tests (la sécurisation de AD-Ring remonte à TT2)

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Access area	DSO tests done prior to this test (YES/NO)	Access mode required for the test (GENERAL/RESTRICTED/ BEAM)	Access area that may be forced as part of this test (YES/NO)	Affected area (YES/NO)	Equipment to be lockout to protect the team during the test (proposal that is to be cross-checked with OP requirements at the time of the tests)	Equipment to be lockout after the tests (proposal that is to be cross-checked with OP requirements at the time of the tests)
LINAC4	YES	n/a	NO	n/a		
					Source L3 ou ITF.BHZ14 (not EIS) ou IFT.STP11 + IFT.STP12 (already	
LINAC3	n/a	n/a	NO	n/a	locked-out by BE SU since 11.12.18)	
LEIR	YES	n/a	NO	n/a		
PS SWY	YES	BEAM	NO	YES		Extraction ELENA (LNI.BHZ0510)
PS Ring	YES	BEAM	NO	n/a		EXTRACTION ELENA (LINI.BH20310)
					F16.BTI247S (sera déconsigné une fois au cours des tests, mesures	
TT2	YES	BEAM	YES	YES	compensatoires à voir avec OP le jour même)	
PSB	YES	n/a	NO	n/a		
SPS	n/a	n/a	NO	n/a		

nTOF target DSO tests

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Access area	DSO tests done prior to this test (YES/NO)	Access mode required for the test (GENERAL/RESTRICTED/ BEAM)	Access area that may be forced as part of this test (YES/NO)	Affected area (YES/NO)	Equipment to be lockout to protect the team during the test (proposal that is to be cross-checked with OP requirements at the time of the tests)	Equipment to be lockout after the tests (proposal that is to be cross-checked with OP requirements at the time of the tests)
LINAC4	YES	n/a	NO	n/a		
					Source L3 ou ITF.BHZ14 (not EIS) ou IFT.STP11 + IFT.STP12 (already	
LINAC3	n/a	n/a	NO	n/a	locked-out by BE SU since 11.12.18)	
LEIR	YES	n/a	NO	n/a		
				YES (zone amont de		
PS SWY	YES	BEAM	NO	TFP)		
PS Ring	YES	BEAM	NO	n/a		
				YES (zone amont	FTN.BHZ403-406 (sera déconsigné une fois au cours des tests,	
TT2	YES	BEAM	YES	de TFT)	mesures compensatoires à voir avec OP le jour-même)	
PSB	YES	n/a	NO	n/a		
SPS	n/a	n/a	NO	n/a		n./a.



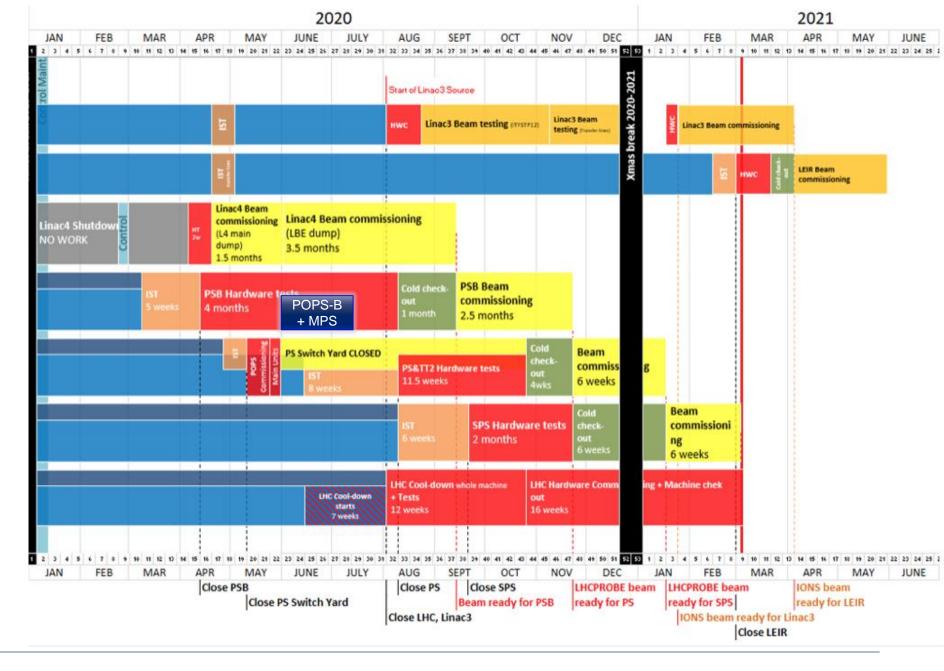


Based on the information collected on these tables the scenario that would minimize the times that an access zone needs to be stopped for the DSO tests is:

- LINAC4 DSO test the 23rd of March or the 24th before the PS SWY DSO tests;
- LEIR DSO test the 23rd of March or the 24th before the PS SWY DSO tests;
- PS SWY, PSB, PS Ring and TT2 DSO tests performed together the 24th and 25th of March
 - This DSO tests should validate all the EIS BEAM and as much as possible the EIS Machine
- Having all the EIS BEAM validated would allow to perform the DSO test for the EIS machine validation later if needed (PS -> POPS, PSB-> POPS-B + MPS) faster and without affecting the adjacent areas



Master Schedule







Modifications

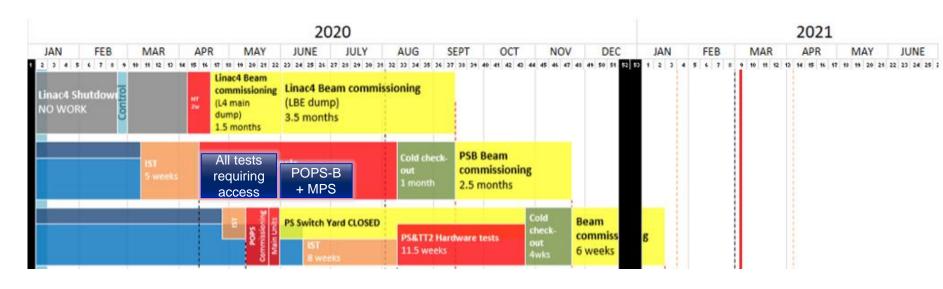
- Wish expressed from EPC to start the POPS-B tests in April instead of June as foreseen today in the PSB HWC planning and agreed in February 2019
- POPS not available before the 6th July 2020 due to the new delivery date at the end of February
- New durations (EDMS 2279382)

					IST Period. No current in the magnets. AC present DC consigned								Curre	nt in	the m	gnets	. All ser	rvices	and in	nfrastr	uctur	prese	nt (AC	Coolin	g-CO)												
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PS SWY	365	PI.BSW26.22, 26.30, PI.QLB33	MAXIDISCAP	New PC	3	J.M.CRAVERO		\neg	\Box	\top	\neg	\top	\neg	$\overline{}$	\Box	$\overline{}$	\Box	$\overline{}$	$\overline{}$	$\overline{}$			$\overline{}$	\top		П	\neg	\neg	\neg	\top	\Box	\neg	\top		$\overline{}$		\Box
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PS SWY	365	PE.BSW14,22 PE.QKE16.25, PR.BSW20	MARXDISCAP	New PC	4	T.TODORCEVIC	\Box	\neg	\Box	\top	\neg	\top	\leftarrow	\top	\Box	\neg	\Box	\Box	\neg	\top				4.7	-			\neg	\top	\top	\Box	\neg	\top	\Box	$\overline{}$	\top	\Box
PS SWY	365		PL-SW-6000	New FGC3	4	N.DAVID	\Box	\top	\Box	\top	\neg	\top	\leftarrow	\top	\Box	\top	\Box	\Box	\neg	\top				47	-	П	\neg	\neg	\top	\top	\Box	\neg	\top	\Box	$\overline{}$	\top	\Box
PS SWY	365	PR.QTRTA41	S250-PLS	New FGC3	1	N.DAVID		\Box		\Box					\Box	\pm			\equiv			\Box	\top	т				\perp	\top	\top			\top				
PS SWY	359	SMH16	ALGE30KA	Existing PC	1	J.M.CRAVERO	т	T		т	-	т	\leftarrow	т	т	т	\Box	П	т	т	\Box	т	т	т		П	\Box	7			т	-	\top	П	-	т	\Box
PS SWY	359	SMH26	ALGE20KA	Existing PC	1	J.M.CRAVERO		\top		\top		\top		\pm	\Box	\pm	\Box				\Box	\perp	\top	\top		\Box	\Box		\top	7		\Box	\top	\Box			\Box
LEIR/L3 SW	351	ITH.RQDN08,10 ITH.RQFN09	MAXIDISCAP	Existing PC	3	J.M.CRAVERO	\Box	\neg	\Box	\top	\neg	\top	\neg	\top	\Box	$\overline{}$	\Box	\Box	\neg	\top	П		41		\neg	П	\neg	\neg	\top	\top	П	\neg	\top	\Box	\neg	\top	\Box
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LEIR/L3 SW		ITE.RQDN02.04 ITE.RQFN01.05	MAXIDISCAP	Existing PC	4	J.M.CRAVERO	\Box	\neg	\vdash	\top	-	+			\Box		\Box	\vdash		\top	\Box	\neg	\top	\top		\Box	\neg	$\overline{}$			\rightarrow			\Box	$\overline{}$		\Box
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LEIR/L3 SW	150	ETP.RBHN10,RDVN10,RQDN10,RQFN20	S-7000	Existing PC	13	N.DAVID		/																			i /								ı L		
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LEIR/L3 SW	363	LBS.RBVT10	APOLO	Existing PC	1	?	\bot	\bot	ш	\perp		\bot	-		\perp	\bot	\perp	\vdash			ш		_	_		ш	_	_	_	_	ш	_		\bot	-		ш
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Machine	Bldg		Converter Type		Converter Nb	Responsible	J1 J7	2 J3	J4 J	j J6	J7 J8	J9 /	J10 J1	.1 J12	J13 J	14 J15	J16	J17 J	.18 J19	9 J20	J21	J1 .	J2 J	3 V	J5	J6	J7	J8 J	/9 J1	0 J11	J12	J13 J	14 J15	/ J16	J17 J1	.8 J19	J20
PS SWY	355	XSK14 QFW17,27,31 QSK19,20,23,24,29,30,33,34,37,38,41	CANCUN	Existing PC	31	S.PITTET, L.CHARNAY		1 /	1 1	1 1		1 1	ı I		1 1			1 1			1 1						<i>i</i> I				1 1					4	1 1
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PS SWY	368	PR.DHZ21, PR.DHZ23, PR.DHZ25, PR.DHZ27, PR,DHZ29, PR.DHZ31,	CANCUN	Existing PC	15	S.PITTET, L.CHARNAY		- - /	1	1 1		1 1	ı L		1 1			1 1			1 1						i I				1 1						1 1
F3 3W1	300	PR.DHZ33, PR.DHZ35, PR.DHZ37, PR.DHZ39, PR.DHZ41(MU40 & MU41)	CANCON	LAISTING FC	1 13	3.FITTET, E.CHARITAT		1 /	1 1	1 1		1 1	ı I		1 1			1 1			1 1						<i>i</i> I				1 1					4	1 1
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							_			_					_		_	_				Warni	ing: p	robler	n of re	ssourc	ces if o	commi	issioni	ing of	POPS	in para	illell to	POPSE			
Machine	Bldg		Converter Type		Converter Nb	Responsible	J1 J	2 J3	J4 J	ś J6	J7 J8	J9 /	J10 J1	11 J12	J13 J	14 J15	J16	J17 J	18 J1	9 J20	J21	J1	J2 .	/3 J	J5	J6	J7	J8 J	19 J1	0 J11	J12	J13 J	14 J15	J16	J17 J1	8 J19	J20
PS SWY	367	All PS Main Units	POPS	New Capa	1	F.BOATTINI / Y.GAILLARD	+	$-\!\!\!\!-$	\vdash	\bot	\rightarrow	\dashv	\vdash	+	\vdash	+	\bot	\vdash	+	+	$oldsymbol{\sqcup}$				1									▃	\vdash	+	\perp
		PR.RWDNI, PR.RWDNP, PR.RWDW, PR.RWFNI, PR.RWFNP, PR.RWFW,					1 1	-1-7	1 1	1 T		- I - T	(I		1 [- 1 -	1 7	1 E	- 1 -	1 -	1 7													4 T	ι I		\perp 1
PS SWY	355	PR.RWLB8L	PFW	New L	7	O.MICHELS		1			1		١				1	1 1						V.	1.					VD.				1	١ ١		





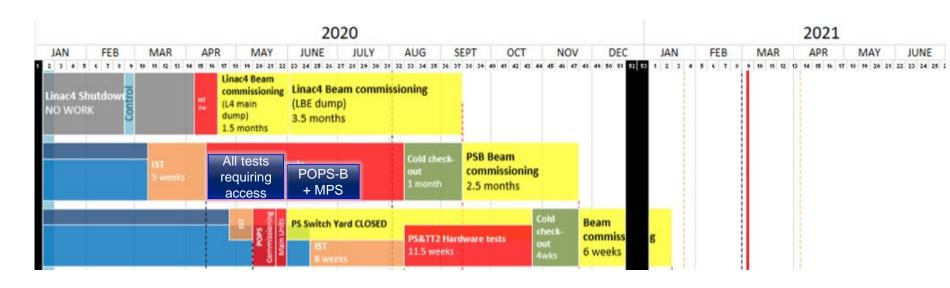
Actual PSB Hardware commissioning planning before and during POPS-B + MPS



- All tests requiring access
 - MSC tests auxiliary magnet tests + transfer lines (BI, BTP, BTM, ...)
 - ABT tests phase 3 and phase 4
 - ...



Actual PSB Hardware commissioning planning before and during POPS-B + MPS

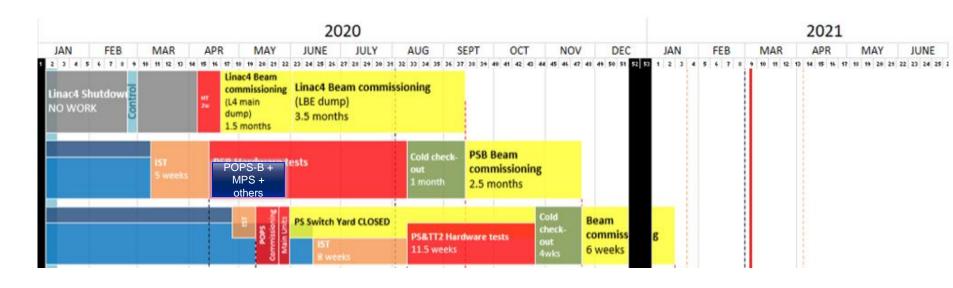


- POPS-B and MPS
 - DSO test with POPS-B for the Hardware Permit
 - 1 week at the beginning for the magnet patrol
 - 4 weeks of POPS-B tests
 - DSO test with the MPS for the Hardware Permit
 - 1 week for the MPS test
 - DSO test for the for the Beam Permit





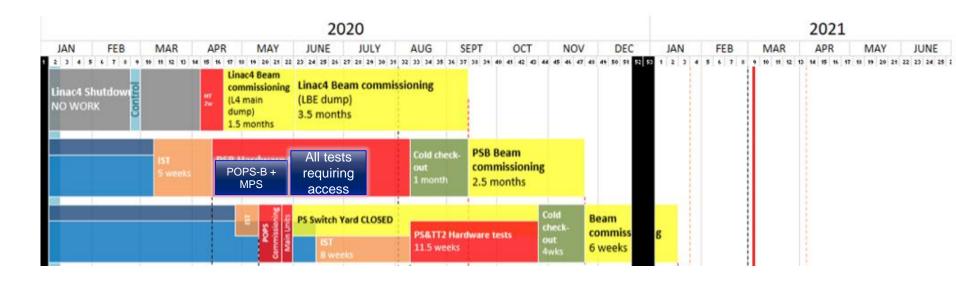
PSB Hardware commissioning planning before and during POPS-B + MPS with the new date



- Option 1
 - The tests that require access are performed together with POPS-B +MPS if compatible, and the POPS-B or MPS tests are stopped to allow access if needed



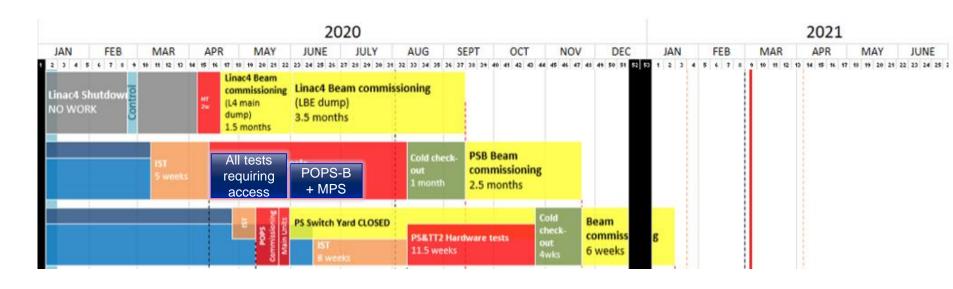
PSB Hardware commissioning planning before and during POPS-B + MPS with the new date



- Option 2
 - The tests that require access are performed after POPS-B +MPS, and the LINAC4 LBE dump tests
 are stopped to allow access



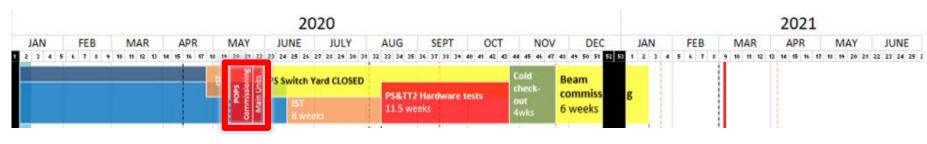
PSB Hardware commissioning planning before and during POPS-B + MPS with the new date



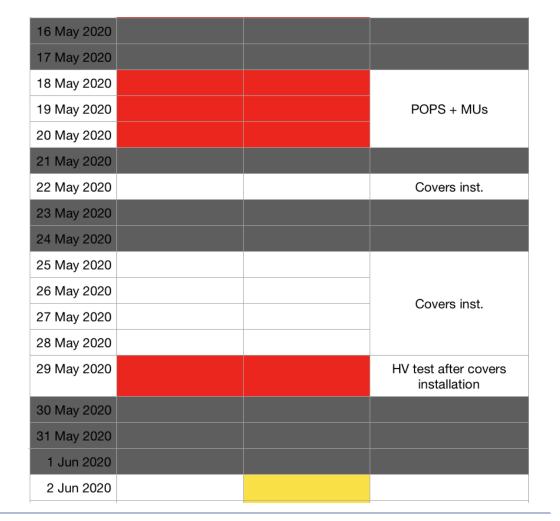
- Option 3
 - POPS-B +MPS tests are kept as much as possible as planned today without affecting the availability of POPS for the 6th of July 2020



Master Schedule



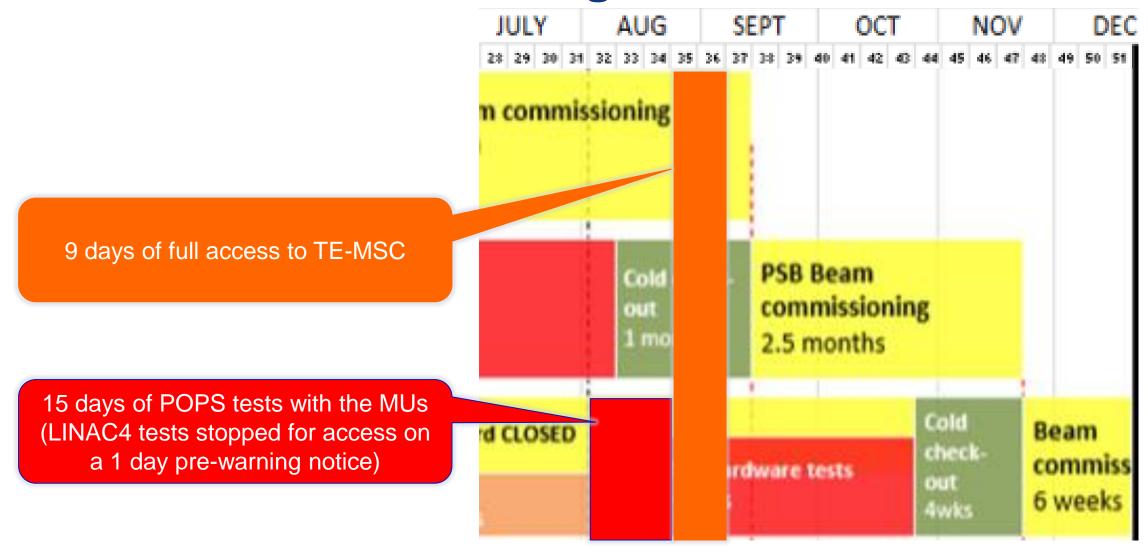
30 Apr 2020	HV test before POPS
1 May 2020	
2 May 2020	
3 May 2020	
4 May 2020	
5 May 2020	
6 May 2020	POPS + MUs
7 May 2020	
8 May 2020	
9 May 2020	
10 May 2020	
11 May 2020	
12 May 2020	
13 May 2020	POPS + MUs
14 May 2020	
15 May 2020	







New POPS commissioning schedule







Planning options for the period before PS SWY closure







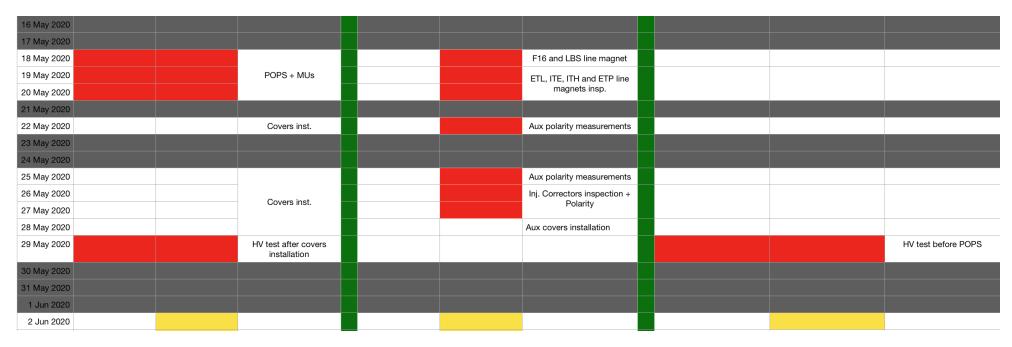
Planning options for the period before PS SWY closure







Planning options for the period before PS SWY closure



The two options give more time for the ISTs that require access and that have to be performed before closing the PS SWY

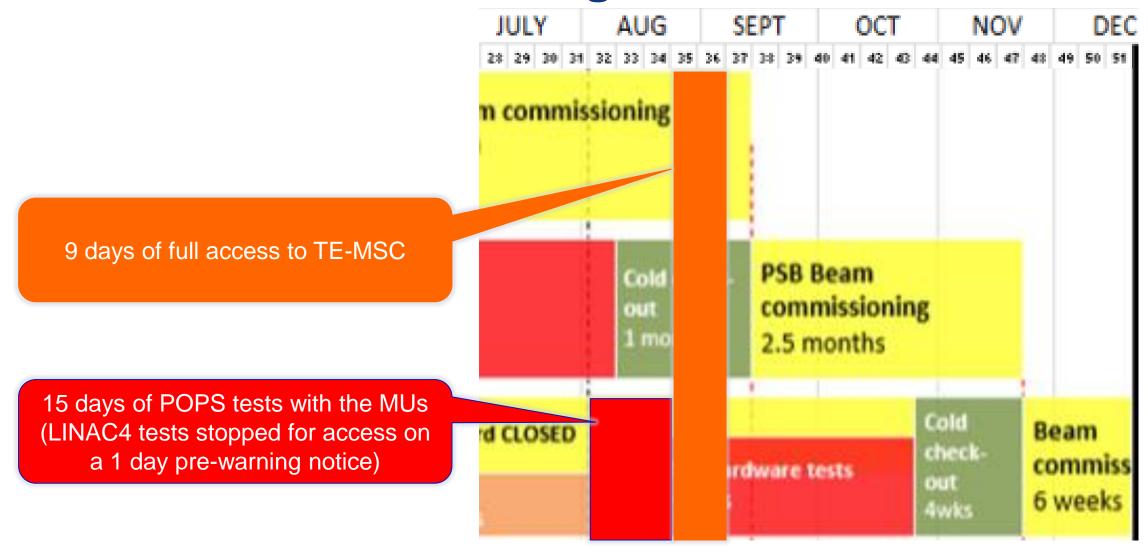
The 5 days removed in August 2020 to the ISTs period is compensated by the additional access time that is now recovered in May 2020 by removing the POPS tests (RF are the may systems affected and they will start their IST period in Feb 2020 already)

The 5 days removed to the LS2 shutdown period will have to be compensated by a tighter schedule, but we had already a limited number of activities in this period because we were already in the IST period





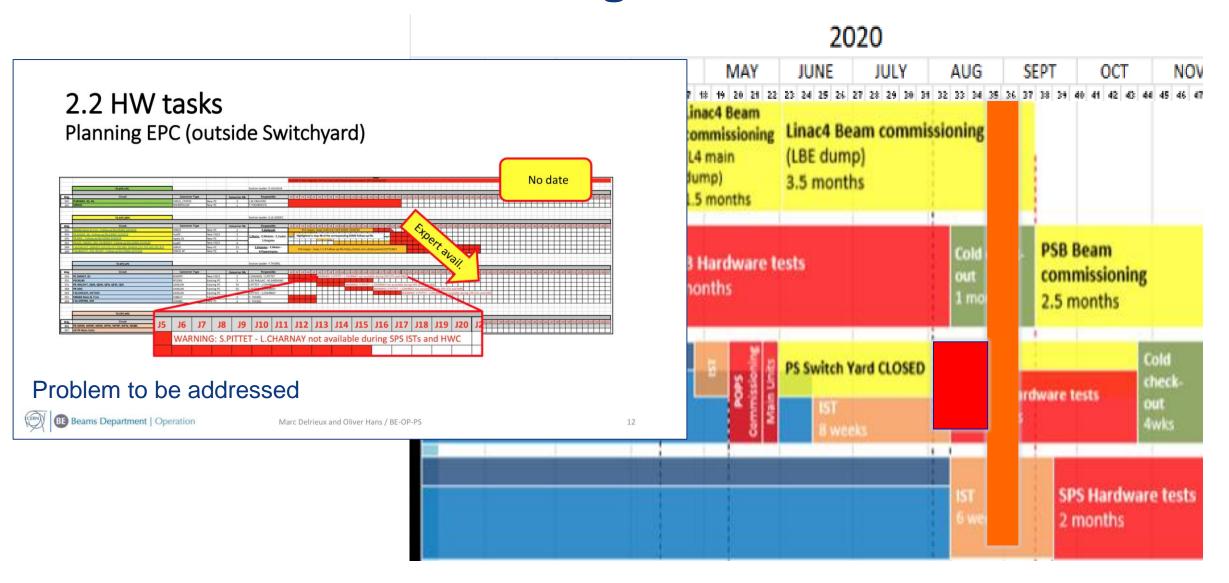
New POPS commissioning schedule







New POPS commissioning schedule – PS HWC







New POPS commissioning schedule – PS HWC

2 Aug 2020 3 Aug 2020 4 Aug 2020 5 Aug 2020 6 Aug 2020 7 Aug 2020 9 Aug 2020 10 Aug 2020 11 Aug 2020 12 Aug 2020 13 Aug 2020 13 Aug 2020 13 Aug 2020 13 Aug 2020 14 Aug 2020 15 Aug 2020 16 Aug 2020 17 Aug 2020 18 Aug 2020 19 Aug 2020 10 Aug 2020 11 Aug 2020 12 Aug 2020 13 Aug 2020
4 Aug 2020 5 Aug 2020 6 Aug 2020 7 Aug 2020 8 Aug 2020 9 Aug 2020 10 Aug 2020 11 Aug 2020 12 Aug 2020 PS ring closed or special Permit PS SWY in BEAM mode TE-EPC POPS tests TE-EPC POPS tests TE-EPC POPS tests
5 Aug 2020 6 Aug 2020 7 Aug 2020 8 Aug 2020 9 Aug 2020 10 Aug 2020 11 Aug 2020 12 Aug 2020 PS ring closed or special Permit PS SWY in BEAM mode TE-EPC POPS tests TE-EPC POPS tests
5 Aug 2020 6 Aug 2020 7 Aug 2020 8 Aug 2020 9 Aug 2020 10 Aug 2020 11 Aug 2020 12 Aug 2020 PS ring closed or special Permit PS SWY in BEAM mode TE-EPC POPS tests
6 Aug 2020 7 Aug 2020 8 Aug 2020 9 Aug 2020 10 Aug 2020 11 Aug 2020 12 Aug 2020 PS ring closed or special Permit PS SWY in BEAM mode TE-EPC POPS tests
8 Aug 2020 9 Aug 2020 10 Aug 2020 11 Aug 2020 12 Aug 2020 PS ring closed or special Permit PS SWY in BEAM mode TE-EPC POPS tests
9 Aug 2020 10 Aug 2020 11 Aug 2020 12 Aug 2020 PS ring closed or special Permit PS SWY in BEAM mode TE-EPC POPS tests
10 Aug 2020 11 Aug 2020 12 Aug 2020 PS ring closed or special Permit PS SWY in BEAM mode TE-EPC POPS tests
11 Aug 2020 PS ring closed or special Permit PS SWY in BEAM mode TE-EPC POPS tests
12 Aug 2020 PS ring closed or special Permit PS SWY in BEAM mode TE-EPC POPS tests
12 Aug 2020 special Permit mode TE-EPC POPS tests
10 Aug 2020
14 Aug 2020
15 Aug 2020
16 Aug 2020
17 Aug 2020
18 Aug 2020
19 Aug 2020 PS ring closed or special Permit PS SWY in BEAM mode TE-EPC POPS tests
20 Aug 2020
21 Aug 2020
22 Aug 2020
23 Aug 2020
24 Aug 2020
25 Aug 2020 PS (SWY + ring) in special Permit mode TE-MSC - MUs heat run
26 Aug 2020
27 Aug 2020 TE-MSC - Covers installation (PS SWY)
28 Aug 2020
29 Aug 2020
30 Aug 2020

29 Aug 2020			
30 Aug 2020			
31 Aug 2020			TE-MSC - Covers
1 Sep 2020			installation (PS SWY)
2 Sep 2020	PS (SWY + ring) in special Permit mode		TE-MSC - HV test
3 Sep 2020		PS SWY in BEAM mode	TE-MSC - Covers installation (PS Ring)
4 Sep 2020			
5 Sep 2020			
6 Sep 2020			
7 Sep 2020			
8 Sep 2020			
9 Sep 2020		PS SWY in BEAM mode	TE-MSC - Covers installation (PS Ring)
10 Sep 2020			
11 Sep 2020			
12 Sep 2020			
13 Sep 2020			
14 Sep 2020			
15 Sep 2020		PS SWY in BEAM mode	TE-MSC - Covers installation (PS Ring)
16 Sep 2020			(C ·g)
17 Sep 2020	PS (SWY + ring) in special Permit mode		TE-MSC - HV test
18 Sep 2020			





