

# TS1 - PS Booster

## 21<sup>st</sup> – 22<sup>nd</sup> April

M. Albert (EN/ACE/OSS)



# Impact List & Schedule

A total of 9 impacts have been declared, with 2 outside of the machine.

Creator:	<input type="text"/>	Title:	<input type="text"/>	Description:	<input type="text"/>	Activity Type:	<input type="button"/>
Facility:	PS Booster <input type="button"/>	Interv. Period Type:	Technical Stop <input type="button"/>	Interv. Period:	TS1-PSB-2021 <input type="button"/>	System:	<input type="button"/> 
Status:	<input type="button"/>	Approval Type:	<input type="button"/>	Meeting Type:	<input type="button"/>	Approval Status:	<input type="button"/>
<input type="button"/> Show more search options <input type="button"/> Advanced <input type="button"/> Create new Filter... <input type="button"/> Réinitialiser <input type="button"/> Recherche							
For 0 selected activities: <input type="button"/> Actions <input type="button"/> Reports <input type="button"/> Select columns <input type="button"/> Toggle to view mo							
<input type="checkbox"/>	Activity	Status	Resp. Group	Facility	System	Title	Ma... Description
<input type="checkbox"/>	★ 172093  	Approved	EN-EL-FC	PS Booster	E - Electricity	PSB BWS FREV cabling	5 Tirage des 3 cables pendant TS1 - 21/04/21
<input type="checkbox"/>	★ 172055  	Approved	SY-BI-ML	PS Booster	B - Beam Instrument...	PSB 2L1 1V WS replacement	4 replacement of a WS, sector 2L1, ring 1, vertical
<input type="checkbox"/>	★ 172046  	Approved	SY-ABT-SE	PS Booster	Septa	inspection visuelle TS	4 Inspection visuelle des septa, BSW (tripline, circuits hydrauliques)
<input type="checkbox"/>	★ 171979  	Approved	EN-CV-INJ	PS Booster	F - Fluids	Visite de contrôle sur les installations CV	4 Visite de contrôle sur les installations CV pour vérifier l'absence de fuite et le bon fonctionnement
<input type="checkbox"/>	★ 171970  	Approved	SY-RF-LIS	PS Booster	A - Acceleration	Cavities inspection	3 Inspection and intervention on the Finemet cavities Section 5, 7 and 13
<input type="checkbox"/>	★ 171914  	Approved	BE-GM-ASG	PS Booster	G - Survey and Geod...	[BOOSTER] Alignment of QFO31	8 Voluntary displacement of the QFO31 quadrupole stack by Psi +1.58mrad
<input type="checkbox"/>	★ 171913  	Approved	TE-MSC-NCM	PS Booster	M - Magnetic Elements	PSB TS activities	6 Visual inspection of the PSB and Transfer line magnets, Check of the thermal switch connections of the BHZ151, 162, Installation of the covers on the periods 15 and 16
<input type="checkbox"/>	★ 171644  	Approved	BE-GM-ASG	PS Booster	G - Survey and Geod...	[SCAN] Booster alcoves périodes 5 et 13	3 Scan des alcôves côté arrière machine des périodes 5 et 13.

The available time for all PSB interventions is: 21/04 @ 8:00 – 22/04 @ 12:00

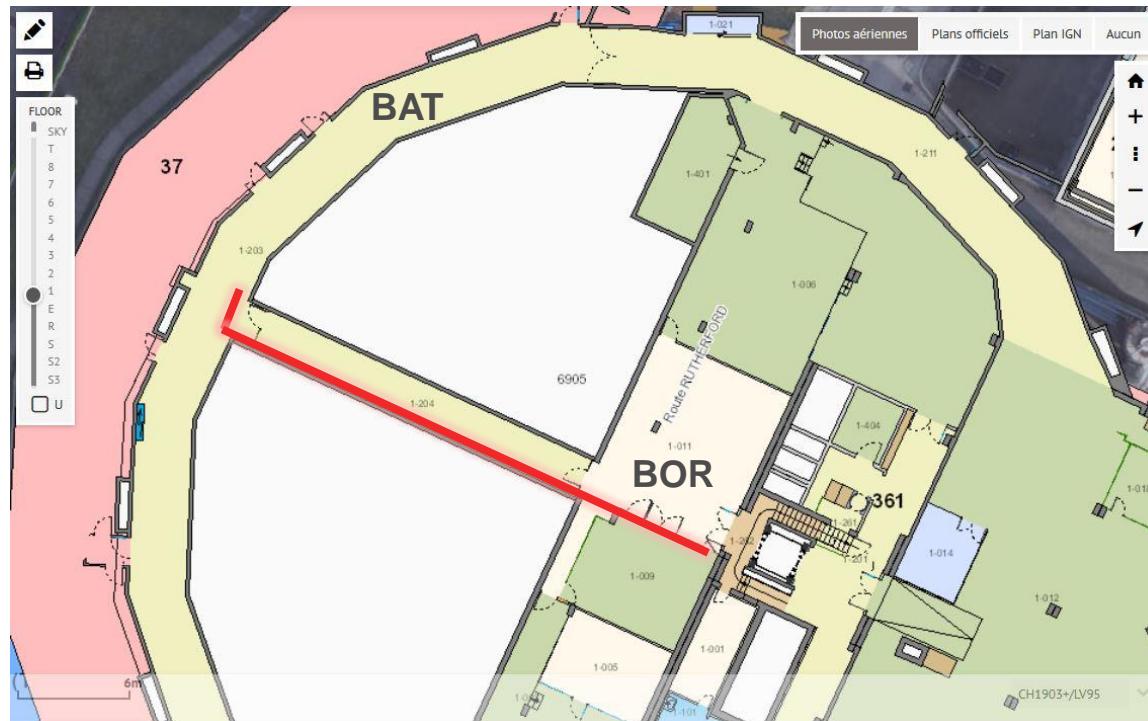
## OP proposal:

- Beam stop 7:00
- RP cooldown during 30min.
- Full RP survey @ 7:30 (~30min.) and in // lockout of mains by SY-EPC
- Access @ 8:00
- End of access 22/04 @ 12:00

# Outside of the machine – building 361 (BAT/BOR)

Activity	Title	Responsible
172093	PSB BWS F <sub>REV</sub> cabling	G.Georgiev (EN/EL)

Pulling of 3 cables for the reception of RF signals of LIU wire scanners  
(only 1 ring equipped during LS2) between BAT and BOR



# Outside of the machine – building 245 (POPS-B)

Activity	Title	Responsible
171977	intervention préventive et corrective sur installation CV	J.M.Vuillat (EN/CV)

- Coupure du réseau eau déminéralisé circuit Hall et magnet pour changement de la vanne de VMA1101 eau primaire (ODM 28165554)
- Remplacement de la vanne de déconcentration VMA1401 (carte de recopie) ODM 28165549
- Vérification report compteur pour le traitement d'eau
- Validation des alarmes des capteur d'inondation
- Voir pour le dépannage de la climatisation de l'aimant de référence

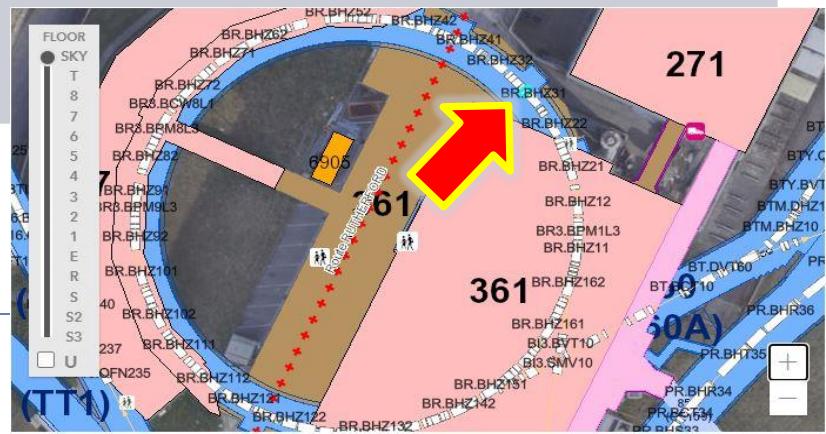
The above activities are estimated to take ~8h.

# PSB Ring/TL

Activity	Title	Responsible
171914	[BOOSTER] Alignment of QFO31	P. Valentin (BE/GM)
171644	[SCAN] Booster alcoves périodes <b>5 et 13</b>	A. Vieille (BE/GM)
171979	Visite de contrôle sur les installations CV	J.M. Vuillat (EN/CV)
172046	inspection visuelle TS septa, BSW (stripline, circuits hydrauliques)	T. Masson (SY/ABT)
172055	PSB 2L1 1V WS replacement	W. Andreazza (SY/BI)
171970	Cavities inspection inspection/intervention on the Finemet cavities in sections <b>5, 7 and 13</b>	M. Haase (SY/RF)
171913	PSB TS activities Visual inspection of the PSB and Transfer line magnets, Check of the thermal switch connections of the BHZ151, 162, Installation of the covers on the periods 15 and 16	A. Newborough (TE/MSC)

# 171914 - [BOOSTER] Alignment of QFO31

Field	Information
Group	BE-GM with support from TE-MSC, TE-VSC, SY-BI
What	Voluntary displacement of the QFO31 quadrupole stack by Psi +1.58mrad
Where	PS Booster Ring - period 3
When	21/04 + 22/04
How	Mains lockout (SY-EPC) Magnet covers removal (TE-MSC) BLM removal (SY-BI) Vacuum disconnection (TE-VSC) <b>Alignment (BE-GM)</b> Vacuum connection + pumping (TE-VSC) BLM installation (SY-BI) Magnet covers installation (TE-MSC)



# Conclusions

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- All declared activities seem to fit in the dedicated time window of TS1.
  - BE-GM scan activity in alcoves 5+13 will be performed after the activities on the Finemet cavities in the same locations (priority) to respect coactivity constraints.
  - It will certainly be busy in the machine.
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- Any comments or questions ?



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