

SSRL - Accelerator Maintenance Day Tasks

2/8/2010

System	Sub-System	Description	PIC	Shop	Task Person	Forms	Hr
Access	Conditions:	1. Top Off Re-Certification 06:00 (Martin) SPEAR access: 6:30 to 14:00					
Access	Conditions:	2. SPEAR - Power Supply Checks - 2 hrs after power restored Additional to usual checks: - Re-verify medium supply ELPs - Re-calibrate large supplies					
Access	Conditions:	3. OUTAGES: SPEAR down until BCS software upgrade complete, scheduled for up to 12 hrs					
Access	Conditions:	4. RSWCF Open: Top-Off Re-Certification BCS software upgrade					
Beam Line	BL - Mech/Elec/C checks	5. Review the front end of BL 5, BL 8, and BL 13. No physical work included, just a review of components.	Brehmer, Busse				
Beam Line	BL - Mech/Elec/C checks	6. * in-alcove functional diagram checks on 5, 8, 10, 13. (Brehmer/Busse) * 10-1 m1 mpf design inspection. (Brehmer) * 13-0 m1 mirror inspection and RTD and heater cables run	Johnson		(Borzenets/Day /BLE/Brehmer/Johnson)		
Beam Line	Vacuum	7. Walk through	Neal	Vacuum	Bach,Spector		0.5

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Beam Line	Vacuum	8. 4-3 IG2 ion gauge troubleshoot and cable change	Neal	Vacuum	Spector		1
Beam Line	Vacuum	9. BL4 Boil off to Messers	Neal	Vacuum	Spector		3
SPEAR	Computer Control	10. Boot SPEAR RF IOC (b132-iocrf) with low LCW temperature alarm limits.	Allison				
SPEAR	Computer Control	11. Boot SPEAR PS IOC (b118-iocps) with change to BTS power supply standardization (standardize to normal operating current instead of maximum current).	Allison				
SPEAR	Computer Control	12. Reboot linux servers with kernel security patch.	Allison				
SPEAR	Power Conversion	13. Replace the power lead lugs & associated hardware on magnets CD2, CD3 and CD4.	Johnson	PCD	Cable Shop		
SPEAR	Power Conve	14. Mcorr 18 trim ground fault diagnosis	Johnson	PCD			
SPEAR	Power Conversion	15. Verify Daughter card in EPSC at MS1-QF-PS. SPEAR3=374541= (FOFB and RFFB crashed on orbit violation while MS1-QF readback varied -1.6A to +0.1A out of 71.5A.)	Rafael	PCD	Rafael		

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SPEAR	Power Conversion	16 . Test the controller on the white circuit supply. 1Hour	Lam	PCD			1
SPEAR	Power Conversion	17 . Terminate the ac controller cables for the booster kickers and testing of.	Johnson				3
SPEAR	MPS	18 . Check BL2 TSOIC cable (may need a RSWC).	Lessard				
SPEAR	MPS	19 . Re-flash SPEAR MPS and audio acknowledge for B117.	Lessard				
SPEAR	BCS	20 . Run SAPE-228 at ~0600. Adjust BCS Top-Off Interlock Limits. Re-certify Top-Off Interlock Run SAPE-228	Martin			RSWCF	
SPEAR	BCS	21 . Software upgrade to the beamline BCS.. (Access to SPEAR not required)	Horton		Horton	RSWCF	
SPEAR	RF - SPEAR	22 . Replace the tuner drive assembly of cavity A. This tuner drive assembly was replaced one month ago, but we later found out that it was not the current version tuner drive with the current mechanical mods. We now have a current version tuner drive assembly and want to replace the unit.	Sebek				2
SPEAR	Mechanical	23 . Mechanical inspections	Ernst	MSG	1-MSG tech		1

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SPEAR	Mechanical	24 . Post power outage system review	Ernst	MSG	1-MSG tech		1
SPEAR	Mechanical	25 . Linac TCW heat exchanger adjustments	Ernst	MSG	Ernst/DiMattia		3
SPEAR	Mechanical	26 . SLM IP2/Shadow Mask Support review to anchor to floor	Ernst	MSG	Ernst/Neal		0.5
SPEAR	Mechanical	27 . Remove the SPEAR housing Mylar. Job requires access to SPEAR roof, RWP.	Ernst	MSG	4-MSG tech		4
SPEAR	Insertion Device	28 . Test new software that moves the BL13 EPU row phase girders in a new mode (linear polarization). Coordinate with Ann Trautwein who will be ascertaining whether it is feasible to move out the limit switches on these girders in order to accommodate the new EPU mode.	Rarback				
SPEAR	Vacuum	29 . Walk through	Neal	Vacuum	Pak		0.5
SPEAR	Vacuum	30 . Verfy redlines on SPEAR Schematic	Neal	Vacuum	Pak		0.5
SPEAR	Vacuum	31 . Verify 03S-IP nomenclatures and cables	Neal	Vacuum	Pak		0.5
SPEAR	Vacuum	32 . Re-organize IP HV cables in racks bld. 118 per updates	Neal	Vacuum	Pak		2
SPEAR	Vacuum	33 . SLM IP2/Shadow Mask Support review to anchor to floor	Neal	Vacuum	MSG		0.5

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SPEAR	Vacuum	34 . 12S-IG1 Long cable trouble shoot	Neal	Vacuum	Ortiz, Pak		3
SPEAR	Vacuum	35 . 03S-IG-BTS5 controller moved in rack to match SPEAR Vacuum Status sheet.	Neal	Vacuum	Pak		1
SPEAR	Vacuum	36 . Correct locations of IP1A and IP1B in Control rack	Neal	Vacuum	Pak		1