

**\*\* SPEAR Maintenance 5/17-19/04 \*\***

			Dur.	Mon	Tues
	RSWCF: BL1 Wall block removal			x	x
	Outages:				
	SPEAR: Start of Ring Access Lock up and Search			6:15am	2:00pm
	<b>BL:</b>				
	<b>Facilities:</b>				
	<b>Controls:</b>				
1.	<ul style="list-style-type: none"> <li>Add CPU sys-reset - reboot iocps, iocmu, iocorbit, iocfdbk, ioclinac.</li> <li>Add canbus interface to 116-vme2 to iocmu.</li> <li>Add control to 0.1 hz for PTS RF master oscillator to iocmu.</li> <li>Change iocrf network back to 100Mbit/full duplex.</li> <li>Add patch to vxWorks network status - reboot iocrf.</li> </ul>	Allison			
	<b>ELECTRICAL:</b>				

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1.	Install Break in box in BPM ADC Chassis, Bldg 132-rack 6		3	x	
2.	Rewiring fast BPM system in Bldg 116-rack 5	Wachter, Martin	6	x	
3.	Replace the blown transformer and fuse for the IQ Analyzer on MCC-2A	Dao & Wallters	4	X	
4.	Install BiRa Blower in MCOR30 system	Rafael		x	
5.	Inspect K2 and K3 IGBT Modules (fingers).	Rafael		x	
	<b>MECHANICAL:</b>				
1.	Mechanical inspections		.5	X	
2.	Install SPEAR 3 phase II shielding on up-beam bellows for 4S,6S 7S and 11S.	Woodcock/DiMattia/Guerra	8	X	
3.	Shielding, Fabricate phase II 145T2 dipole at G4.	Woodcock/DiMattia/Guerra	8	X	x
4.	Review dipole step	Ernst/Swanson	2	X	
5.	LCW; Remove S.S metering valves and install 1/4 flow restriction tubes on all H2, H1-3	DiMattia/Woodcock/Guerra/Poling	8	X	
6.	Read and Record LCW Flow Settings (Front Ends,Absorber,TSP+mask)	DiMattia/Woodcock/Guerra/Poling	16	X	
7.	Shielding; Remove EQB and open BL-1 shielding door block (SLM work)	Ernst/SLAC Riggers/MSG techs	2	X	

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8.	LCW; turn off SPEAR LCW return boost pump and take pressure readings	Ernst/DiMattia/ Nzeadibe	.5	X	
9.	Install radiation shielding for 50Q raft, QFC - sextupole area. (girder 11)	DiMattia/Guerra	8		X
10.	SPEAR; PPS keys are sticky in lock mechanism. PPS key bank key lock PM/lube	DiMattia/Woodcock	2		X
11.	Shielding; Install EQB and close BL-1 shielding door block (SLM work)	Ernst/Slac Riggers/MSG Techs	2		X
	<b>RF:</b>				
	<b>Vacuum:</b>				
1.	SP3: Ring walkthrough, visual inspection of Accelerator and BL vacuum systems.	Pak, Wiertel	.5	X	
2.	SP3: Support MSG in move of 1-0 IV1 pneumatic panel to the aisle side (if time allows).	Bach, Wiertel, or Pak, MSG	3	X	
3.	SP3: Inspect ion pump cable 11G-IP1 (high current).	Pak, Morales		X	
4.	SP3: Verify ring isolation valve s/n's and model #'s, update database.	Pak, Morales	1	X	
5.	SP3: Review straight section IP ball plunger installation criteria, adjust as necessary.	Pak, Kurita, Morales	4	X	

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6.	SP3: Support efforts toward troubleshooting ion gauge readback problems.	Pak, Ortiz, EDM	?	X	
7.	SP3: Review IP and IG protective cover drawings, test prototype?	Ibarra, Pak, Morales	2	X	
8.	SLM: Install available support structures and components.	Bach, Wiertel, Ringwall	12	X	X
9.	BL's: Verify BL isolation valve s/n's and model #'s, update database.	Wiertel, Bach, Neal, Morales	1		
10.	SP3: Cycle ion pup supplies on/off, check that the correct lights turn red on the newly created "Ion Pump System Diagnostics" display screen in the EDM panel.	Pak, Morales, Wermelskirschen	.5	x	