## SSRL - Accelerator Maintenance Day Tasks

### 4/5/2010

<table>
<thead>
<tr>
<th>System</th>
<th>Sub-System</th>
<th>Description</th>
<th>PIC</th>
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<th>Forms</th>
<th>Hr</th>
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</thead>
<tbody>
<tr>
<td>Access</td>
<td>Conditions</td>
<td>1. SPEAR access: 6:15 to 14:00</td>
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<tr>
<td>Access</td>
<td>Conditions</td>
<td>2. SPEAR - Power Supply Checks - 2 hrs after power restored</td>
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<tr>
<td>Access</td>
<td>Conditions</td>
<td>3. OUTAGES:</td>
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<tr>
<td>Access</td>
<td>Conditions</td>
<td>4. RSWCF Open:</td>
<td></td>
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<tr>
<td>Beam Line</td>
<td>PPS</td>
<td>5. Reprogramming the BL4 panelviews.</td>
<td>Horton</td>
<td></td>
<td>Nalls, Horton</td>
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<tr>
<td>Beam Line</td>
<td>Vacuum</td>
<td>6. BL 4-2 mono hutch check out possible vacuum problem at 4-2IV2.</td>
<td>Nalls</td>
<td>Vacuum</td>
<td>Mark J. and Mike N.</td>
<td></td>
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<tr>
<td>Beam Line</td>
<td>Vacuum</td>
<td>7. BL 4-1 To open turbo valve you have to push the closed button before pushing the open.</td>
<td>Nalls</td>
<td>Vacuum</td>
<td>Horton</td>
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<tr>
<td>Beam Line</td>
<td>Vacuum</td>
<td>8. BL 9-3 mono need to check source of burping.</td>
<td>Nalls</td>
<td>Vacuum</td>
<td>Paul G. and Bill H.</td>
<td></td>
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<tr>
<td>Beam Line</td>
<td>Vacuum</td>
<td>9. BL 14 vacuum interspace low temp 150°C 24 hour bake into a MDP.</td>
<td>Nalls</td>
<td>Vacuum</td>
<td>Rick Bach</td>
<td></td>
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<tr>
<td>Injector</td>
<td>Vacuum</td>
<td>11. Possibly return WG02-IG2 and WG03-IG1 to their correct controllers.</td>
<td>Nalls</td>
<td>Vacuum</td>
<td>Nalls</td>
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<tr>
<td>SPEAR</td>
<td>Computer Control</td>
<td>Reboot b116-iocmotor to update ID trim tables</td>
<td>Rarback</td>
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<tr>
<td>SPEAR</td>
<td>Computer Control</td>
<td>Reorganize soft IOCs on beldar and connie so that beldar interfaces with devices inside the firewall and connie interfaces with devices outside the firewall.</td>
<td>Allison</td>
<td></td>
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<tr>
<td>SPEAR</td>
<td>Computer Control</td>
<td>Reboot SPEAR PS iocs with new PVs for the new restore program and also some PSM changes.</td>
<td>Allison</td>
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<tr>
<td>SPEAR</td>
<td>Computer Control</td>
<td>TBD - firewall and network changes to put beldar on the controls VLAN.</td>
<td>Allison</td>
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<td>SPEAR</td>
<td>Computer Control</td>
<td>Add general purpose ADC and DAC IP modules to iocmu in B117.</td>
<td>Allison</td>
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<tr>
<td>SPEAR</td>
<td>Beam Monitoring</td>
<td>Cable pull, B117 to BL6, Timing Cables.</td>
<td>Martin</td>
<td></td>
<td>Martin, Wallters, PCD</td>
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<tr>
<td>SPEAR</td>
<td>Beam Monitoring</td>
<td>Modify Q-Meter chassis &amp; change cables</td>
<td>Martin</td>
<td></td>
<td>Martin, Wallters</td>
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<td>SPEAR</td>
<td>Beam Monitoring</td>
<td>Add output connector to Booster M.O. chassis.</td>
<td>Martin</td>
<td></td>
<td>Martin, Ortiz, Wallters</td>
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<tr>
<td>SPEAR</td>
<td>Power Conversion</td>
<td>Spear Kickers Tony Beukers - PEM Inspect Kickers and change load resistors in K2.</td>
<td>Tony Beukers</td>
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<td>Tony Beukers - PEM</td>
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<td>SPEAR</td>
<td>Power Conversion</td>
<td>SPEAR ps B7H Inspect voltage divider at supply for EI documentation.</td>
<td>Greg Johnson</td>
<td>Greg Johnson - PEM</td>
<td></td>
<td>0.5</td>
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<td>SPEAR</td>
<td>Power Conversion</td>
<td>ELP Validation (at the end - Supplies must be on to validate) ELP verification on bld 118 large supplies, Chopper BD supply and the four remaining medium supplies.</td>
<td>Greg Johnson</td>
<td>Greg Johnson - PEM</td>
<td></td>
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<tr>
<td>SPEAR</td>
<td>MPS</td>
<td>SPEAR_MPS_CPU program flash.</td>
<td>Lessard</td>
<td>PEM</td>
<td>Larrus, Sebek</td>
<td>LOTO</td>
<td>8</td>
</tr>
<tr>
<td>SPEAR</td>
<td>RF - SPEAR</td>
<td>Routine maintenance on the SPEAR HVPS. The estimated time is 8am - 12noon, with a chance that it extends until 2pm. We will then power the supply immediately in recovery to ensure that the supply is fully functional.</td>
<td>Lam, Sebek</td>
<td>PEM</td>
<td>Larrus, Sebek</td>
<td>LOTO (Fac HV electri cians)</td>
<td>8</td>
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<tr>
<td>SPEAR</td>
<td>Mechanical</td>
<td>Mechanical inspections</td>
<td>Ernst</td>
<td>MSG</td>
<td>1-tech</td>
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<tr>
<td>SPEAR</td>
<td>Mechanical</td>
<td>Install new steel shielding on BTS dump</td>
<td>Ernst</td>
<td>MSG</td>
<td>2-tech</td>
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<td>SPEAR</td>
<td>Mechanical</td>
<td>Install Din rails on SPEAR BTS Q6F and Q7D magnets</td>
<td>Ernst</td>
<td>MSG</td>
<td>1-tech, Dell’Orco</td>
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<td>3</td>
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<td>SPEAR</td>
<td>Mechanical</td>
<td>Replace desiccant for SPEAR RFHVPS air dryer</td>
<td>Ernst</td>
<td>MSG</td>
<td>1-tech</td>
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<td>SPEAR</td>
<td>Mechanical</td>
<td>BL13 EPU rad monitors - remove rad monitors for readout by RPFO</td>
<td>Ernst</td>
<td>MSG</td>
<td>1-tech, Trautwein</td>
<td>Lead handling</td>
<td>0.5</td>
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<tr>
<td>SPEAR</td>
<td>Vacuum</td>
<td>SPEAR: Walk through. Rod P. Troubleshoot 12S-IG1 Ray O. and Rod P. RGA scans Rod P.</td>
<td>Nalls</td>
<td>Vacuum</td>
<td>Pak</td>
<td>LOTSPEAR 31</td>
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<tr>
<td>SPEAR</td>
<td>Facilities</td>
<td>Seismic Upgrade BTS area - verify the electrical conduits, lightings, VESDA, and equipment that will be affected during the upgrade. 10:00 am - 6 people.</td>
<td>Cadapan</td>
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<td>SPEAR</td>
<td>Facilities</td>
<td>Install a GFCI breaker for the BSOIC power distribution in the Distribution panels to power down: Booster 2DP140D. This panel powers the VESDA scanner, the East and Diag door opener pneumatics, emergency lights and receptacles in the booster, and lastly, racks 105A and 105B around the linac area.</td>
<td>Guerra</td>
<td>SLAC Facilities Electricians</td>
<td>LOTSPEAR 32</td>
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