Note:

Entry into Accelerator housing:

a) All entry by Controlled Access
b) Valid Job Hazard and Mitigation Analysis (JHAM) required
c) Tunnel Hazards Training required
d) Review of SPEAR Tunnel Area Hazard Analysis (AHA)
e) Review of SPEAR Lock Down and Verification
f) Review of planned work to identify if Lock and Tag required

Work Authorization:

a) Prior authorization and completed Job JHAM and AHA processes are required to work on accelerator systems.
b) For Non-SSRL Workers at SSRL - implement Interim Work Authorization Process

Planning for Safety on the Job:

a) Apply Integrated Safety and Environmental Management System

Other:

a) Gray entry doors to SPEAR housing to be kept closed - to preserve temperature stability of Accelerator

Accelerator Maintenance Day Tasks

12/10/2007

			Proj. Mngr	Shop	Task Person	Forms	(hr)
Access	Conditions:	☐ 1. SPEAR access: 6:30 to14:00					
		☐ 2. SPEAR - Power Supply Checks - 2 hrs after power restored					
		☐ 3. OUTAGES:					
		☐ 4. RSWCF Open: BTS - upstream stopper shielding					

| | | | Proj. Mngr | Shop | Task Person | Forms | (hr) |

			Proj. Mngr	Shop	Task Person	Forms	(hr)
Accelerator	Vacuum	☐ 5. In Alcove: Injector Booster Walkthru SPEAR Walkthru Beamline Walkthru	Neal	Vacuum	 Jacobson Pak Bach/Spector		.5
		☐ 6. Out of Alcove: Install modified IP Power Supplies in Bld 118 IP12-A analog output cable installation Leak check 9-2 MR1			 Pak, Bach Pak, Ortiz Bach, Spector		 3 1 2
Beamlines	BL 12-2	☐ 7. In- alcove - check the alignment of the BL12-2 M0 mirror	Harrington ,		MET crew, Card, Harrington		
Beamlines	BL 6-2	☐ 8. BL 6-2 m0 mirror LCW line inspection. (	Johnson		Valery Borzenets, Bart Johnson		
Beamlines	BL13-M1	☐ 9. Box limit cheeks on the M1 mirror for BL 13 in Alcove			A. Prado		
Beamlines	Vacuum	☐ 10. BL13 M-1. Flash TSPs BL13 M-1 Hipot Ion Pump 12S-IG1 troubleshoot BL4 bellows installation	Neal	Vacuum	Grunow, Fitz Neal, Spector Pak, Ortiz Neal, Vargas, Tracey		1 .5 2 4
Injector	BTS	☐ 11. BTS shielding modification	Ernst	MSG	2 - Techs	RSWCF	4
Injector	I & C	☐ 12. Booster :Install prototype chassis 2 CH. Gain/Phase monitor	Wachter	ESG	Wachter		4
Injector	Mechanical	☐ 13. Injector magnet water flow system flow measurements	Ernst	MSG	1 - Tech		1

Proj. Mngr Shop Task Person Forms (hr)

			Proj. Mngr	Shop	Task Person	Forms	(hr)
Injector	Vacuum	☐ 14. Vent BTS BTS: Replace 55-CG1. Test on GP 307 Bergoz ICT installation Ion pump installation Vat valve installation Pump down BTS	Neal	Vacuum	Nalls, Jacobson,	RSWCF	0.5 0.5 0.5 2 1 3
SPEAR	BL13 ID	☐ 15. Access required Troubleshoot BL13 ID upper gap encoder.			Dao, Rarback, Wallters, Holmes		4
		☐ 16. No access required Rearranging hardware and dressing cables for control racks B131-1100 and B131-1305-			Dao, Wallters		4
SPEAR	Controls	☐ 17. Replace the B132 LAN/GPIB gateway with spare. ☐ 18. Reboot Connie linux machine for OS security patch. ☐ 19. Upgrade firmware on all GPIB/LAN gateway boxes	Allison				
SPEAR	I & C	☐ 20. Install load resistor at Tune Kicker ☐ 21. Connect the SPEAR kicker diagnostic signals into the PSM system Pull 6 RG223 cables between racks B118-18 and B118-29	Martin Prado	ESG Netwrk Grp	Martin, et al		
SPEAR	Mechanical	☐ 22. Mechanical Inspections, include special attention to LCW manifolds	Ernst	MSG	1 Tech		2

Proj. Mngr	Shop	Task Person	Forms	(hr)

			Proj. Mngr	Shop	Task Person	Forms	(hr)
SPEAR	Mechanical	☐ 23. Tube SLM LCW circuit WFS-1	Ernst	MSG	2- Techs		2
		☐ 24. Review, install electronic Indicators, upstream end of the BL9 (7S) straight			1- Tech		6
SPEAR	Pwr Spply	☐ 25. Document in pictures inside MS1-BD-PS (dipole power supply)	Sekon	ESG			1

Proj. Mngr Shop Task Person Forms (hr)