Note:

Entry into Accelerator housing :

a) All entry by Controlled Access
b) Tunnel Hazards Training required
c) Familiarity with SPEAR Tunnel Area Hazard Analysis (AHA) required
d) SPEAR Lock Down Verification available for review

Work Authorization :

a) Prior authorization to work on accelerator via area manager & line manager
b) For Non-SSRL Workers - implement Interim Work Authorization Process

Integrated Safety Manament System :

Five functions	Seven Guiding Principles
Define the Scope of Work	Line Management Responsible for Safety
Analyze the hazards	Clear roles and responsibilities
Develop and Implement Controls	Competences Commensurate with Responsibilities
Perform the Work	Balanced Priorities
Feedback and Improve	Identification of Safety Standards and Requirements
	Hazard Controls Tailored to the Work Being Performed
	Operations Authorization

People responsible for ensuring implementation of ISMS

a) Workers
b) PIC - person in charge
c) RLM - responsible line manager

Accelerator Maintenance Day Tasks

5/5/2008

				PIC	Shop	Task Person	Forms	(hr)
Access	Conditions:	1.	SPEAR access: 6:30 to14:00					
Access	Conditions:	2.	After Maintenance: SPEAR - Power Supply Checks - 2 hrs after power restored BL 4 - Interlock checks - 1hr - Horton Top-Off Test - May 6th 5-11pm					
Access	Conditions:	3.	OUTAGES:					

| | | PIC | Shop | Task Person | Forms | (hr) |

				PIC	Shop	Task Person	Forms	(hr)
Access	Conditions:	4.	RSWCF Open:					
Beamlines	BL4	5.	Prepare BL4 for first light. This will involve SPEAR access	Horton				
Injector	Beam Diagnostics	6.	Diagnose LTB BPM1 Y readout - bad values since 21:50, Apr 28 (Monday). Could be disconnected or a problem with the BPM hardware	Martin				
SPEAR	Computer Control	7.	Upgrade RTEMS bootloader and kernel and reboot all RTEMS IOCs with an NFS bug fix by Till Straumann. Reboot SPEAR RF VxWorks IOC with images built on a Solaris 10 (instead of 8) machine. Move GPIB IOC from Prymatt (solaris) to Connie (linux). Upgrade GPIB software to latest version of EPICS. Reboot Connie and Beldar with RHEL4 security patches.	Allison				
SPEAR	Computer Control	8.	Reboot the MPS IOC during the maintenance day (no access required) in order to add more MPS signals and test the effect of rebooting the IOC.	Rarback				
SPEAR	Top-Off Injection	9.	Pull cables: Clearing magnet power supply cable from B-118 -> SPEAR3-17G-BD2 BTS Ion gauge - To Be confirmed	Rafael	PCD			

PIC Shop Task Person Forms (hr)

				PIC	Shop	Task Person	Forms	(hr)
SPEAR	Mechanical	10.	Mechanical inspections	DiMattia	MSG	1-MSG tech		1
SPEAR	Mechanical	11.	Inspect if operational and record if not the Vat-valve panel cycle counters	DiMattia	MSG	1-MSG tech		1
SPEAR	Mechanical	12.	Dipole bus inspections, review and torque bolts if necessary	DiMattia	MSG	2-MSG tech		2
SPEAR	Mechanical	13.	Rebar scanning for clearing magnet crane base plate installation	DiMattia	MSG	2-MSG techs		6
SPEAR	Mechanical	14.	Flow checks on front end small bore flow restrictors	DiMattia	MSG			
SPEAR	Top-Off Injection	15.	Install hold down brackets for Beam Loss Monitors atop quadrupole - 18 places	Dimattia	MSG			
SPEAR	BL10 ID	16.	Reset invar length gauge readout	Gassner	AEG			
SPEAR	Top-Off Injection Test	17.	Install Beam Loss Monitors and cables inside the SPEAR tunnel	Corbett		Ortiz, Corbett		>6
SPEAR	Top-Off Injection Test	18.	Induced radiation activity survey	Schmerge	RP	Bauer, RP		
SPEAR	Magnets	19.	SPEAR3 Dipole Magnets Inspect bus to yoke connections screws (10 x 3/8"-16) and verify they are torqued at 15 ft-lb. Inspect 1/4"-20 HHCS on the coil to coil connector plates and verify they are torqued at 30 in-lb (start from center).	Dell'Orco		MSG		

PIC Shop Task Person Forms (hr)

				PIC	Shop	Task Person	Forms	(hr)
			Inspect temperature gages on all dipoles (coils and bus). These inspection steps are consistent with the magnet travelers.					
SPEAR	Vacuum	20.	SPEAR Walkthru Re-terminate long line collector cable (both ends) 14G-IG-BL03 and 16G-IG-TSP2. (Ramona) Verify beam line IP nomenclature. (Pak) Pump down the Ar inter space on BL1 (Bach) Remove the IP hv cable in BL5 alcove. (that would be the burned one that couldn't be removed from the SSRL side) (Jacobson) (Horton to replace cable) (Note: rad survey required for cable removed from SPEAR)	Nalls				