WPC in a Nutshell

The WPC process is built on many existing SLAC systems- modifying and enhancing them where necessary, changing or eliminating what was redundant or not useful, enhancing or creating support tools and training, and where necessary adding additional formality.

The foundation of the process is that all activity level work is placed into one of three categories based on the job complexity. Many of the commonly performed activities at SLAC have been defined and the appropriate hazards and controls identified. These activities are documented in an activity library that can be used by supervisors and workers to generate consistent Job Safety Analysis's (JSA) or Activity & Training Authorization (ATA) (an enhanced JHAM).

- **Green** - these are activities associated with everyday living, routinely accepted by society, and controlled by means well know to the workers. Specific ES&H training is not required. Authorization and release to perform green activities is granted upon completion of new employee safety orientation and the Safety Comes First checklist. Examples of green activities are available, and workers may perform these tasks without any additional formal work planning.

- **Yellow** - these are activities that do not require coordination with another work group or trade. Yellow activities may be performed in your resident work area or in another location. Authorization is granted by the supervisor or UTR for employees or non-service sub-contractors, respectively. If performing work inside your resident work area, no additional coordination is required. If performing work outside your resident work area, you must notify the Building or Area Manager to receive a Release to Proceed before initiating your activity. Examples of yellow activities are available.

- **Red** - these are activities that require coordination with another work group or trade, typically in support of a project with a larger scope than yellow work. All red work requires coordination and a Release to Proceed from the Area Manager, Project Manager or Principle Investigator. Routine coordination meetings are held and attendance is required to receive the Release to Proceed for the duration defined at the meeting. Examples of red activities are available.

Accelerator Maintenance Day Tasks

6/29/2009

				PIC	Shop	Task Person	Forms	(hr)
Access	Conditions:	1.	SPEAR access: 6:30 to14:00					
Access	Conditions:	2.	SPEAR - Power Supply Checks - 2 hrs after power restored					
Access	Conditions:	3.	OUTAGES:					
Access	Conditions:	4.	RSWCF Open:					
BEAM LINE	BL14	5.	BL14 in-alcove optics	Harrington				

				PIC	Shop	Task Person	Forms	(hr)

				PIC	Shop	Task Person	Forms	(hr)
BEAM LINE	BL10	6.	10-1 and 10-2 mirror LCW temp feedback system installations.	Marks		Maciel, Prado, Marks		
BEAM LINE	Vacuum	7.	Walk through	Neal	Vacuum	Bach/Spector		0.5
BEAM LINE	Vacuum	8.	10-1 IV1 and BL 13 IV Valve size, location, type, flange size, serial #s	Neal	Vacuum	Spector/Jacobson		0.5
BEAM LINE	Vacuum Out Alcove	9.	14-1 argon interspace AR1 Pump out	Neal	Vacuum	Spector/Jacobson		1
INJECTOR	RF	10.	Injector no access - Replace 5045 klystron, - 2-MSG techs, 2-Vac techs, 8hrs, Red work, documents/permits required, WIP, JSA, Radiation: RWP, RSWCF, SAPE - Electrical: SAPE/ELP 085, SAPE - 127, SAPE - 128 Vacuum Electrical: SAPE - 249, SAPE - 250 Vacuum: SSRL Injector Klystron (K2) Vent, Replacement, and Pump Down Procedure Mechanical: SSRLMSG - 120R1, SSRL SLP - 019R1, 5045 klystron LCW ELP.	Gierman	Misc	2-MSG techs, 2-Vac techs,	See description	8
SPEAR	Computer Controls	11.	(1) Change SPEAR RF IOC software to factor out bad probe(s) in the gap voltage calculation. (2) Move topoff software interlock database from test IOC to production b118-iocps. (3) Move ethernet power supply control from b118-iocps to a new linux ioc, soft-	Allisson				

PIC Shop Task Person Forms (hr)

				PIC	Shop	Task Person	Forms	(hr)
			iocps, for load-balancing purposes.					
SPEAR		12.	Cavity B probe -- there is a chance that this problem may be due to a faulty cable connection between the cavity and the LLRF in B132. Inspect the accessible cable connections and measure the insertion loss of the cables from the cavity probe as well as from the forward and reflected power couplers.	Sebek				2
SPEAR	Mechanical	13.	SPEAR access: Mechanical Inspections	Ernst	MSG	1-MSG tech		1
SPEAR	Mechanical	14.	SPEAR no access: Drill holes for (4) electronics rack base plates, b132 r102 and b116 r101. Yellow dispatch resident area, Requires VESDA smoke detectors to be disabled, documents/permits penetration permit, MSG work plan- 2	Ernst	MSG	-MSG techs	See description	4
SPEAR	Insertion Devices	15.	Checking the BL13 EPU row phase girders during the maintenance. 9:30-10am. No access required.	Rarback				.5
SPEAR	Thermocouple	16.	Install cable covers on SPEAR Asphalt TCs	Ortiz				1
SPEAR	Vacuum	17.	Walk through	Neal	Vacuum	Pak		0.5
SPEAR	Vacuum	18.	G07R3C1,G11R3C1 TC work	Neal	Vacuum	Ortiz/Neal		0.5
SPEAR	Vacuum	19.	Add right angle valves to functional diagram	Neal	Vacuum	Pak		2

				PIC	Shop	Task Person	Forms	(hr)

				PIC	Shop	Task Person	Forms	(hr)
SPEAR	Vacuum Out Alcove	20.	03G-IG-IP1 and analog output check	Neal	Vacuum	Pak		1
SPEAR	Vacuum Out Alcove	21.	18S-RF-IP3 and 18S-RF-IP4 nomenclature programmed into power supply	Neal	Vacuum	Pak		0.5
SPEAR	Vacuum Out Alcove	22.	RGA Scans 8s and 14G	Neal	Vacuum	Pak		2

PIC Shop Task Person Forms (hr)