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

4/6/2009

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

				PIC	Shop	Task Person	Forms	(hr)

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Beamline	BL14	5.	Preparation for First Light: Remove locks and check beam line optics. An alignment crew and vacuum technicians will be involved in the activity.	Harrington	BLD, Vacuum, AEG	Vac tech, AEG		3
Beamline	BL14	6.	Inspect shadow wall shielding	Rabedeau	BLD			3
Beamline	Vacuum - In Alcove	7.	Walk through	Neal	Vacuum	Bach/Johnson		.5
Beamline	Vacuum - In Alcove	8.	ID (Inventory) stopper tank cylinders exhaust port threads for future filter purchases and installations	Neal	Vacuum	Jacobson		1.5
Beamline	Vacuum - In Alcove	9.	14-0 IP cables labeled correctly	Neal	Vacuum	Hollenbeck		1
Beamline	Vacuum - Out Alcove	10.	4-0 IP2 put back in service	Neal	Vacuum	Jacobson/Bach		.5
Beamline	Vacuum - Out Alcove	11.	Fast valve serial numbers for Bls 11,12,13,14	Neal	Vacuum	Jacobson		1
Beamlines	BL10-1	12.	10-1 m1 LCW temperature control feedback installation	Johnson	Exp Sprt Grp	D. Brehmer/V. Borzenets/ Chuck Troxel, BLE		
Beamlines	BL10-1	13.	10-1 m1upsvert motor: test/replace	Johnson	Exp Sprt Grp	D. Brehmer/V. Borzenets/ Chuck Troxel/BLE		
Beamlines	Vacuum	14.	Access the front end of BL14 to re-label the	Neal	Vacuum	Hollenbeck		1

PIC Shop Task Person Forms (hr)

				PIC	Shop	Task Person	Forms	(hr)
			ion pump cables					
Injector	Mechanical	15.	Lift building AC unit over booster ring. (Note: no access needed, lift plan required, RWP required to access booster roof).	Ernst	MSG	SLAC riggers-1 crew, MSG-1 coordinator	Lift plan, RWP	3
SPEAR	Beam Monitoring	16.	1. Document Booster Q-Meter chassis - Martin	Martin	ESG	Martin		
SPEAR	Beam Monitoring	17.	Investigate noise in SPEAR Tune Monitor - Martin	Martin	ESG	Martin		
SPEAR	Beam Monitoring	18.	Clean B116 air filters - Martin	Martin	ESG	Martin		
SPEAR	BCS	19.	Adjust the top-off BCS PS interlock trip limits. The various SPEAR PS will need to be off to do this work.	Schmerge		Schmerge		3
SPEAR	BCS	20.	Complete the BCS device labeling in SPEAR ring	Schmerge		Schmerge		2
SPEAR	Mechanical	21.	Mechanical inspections	Ernst	MSG	1 MSG tech		1
SPEAR	Mechanical	22.	Install Electron Clearing Dipole support. Install 3/8 Simpson drop-in anchors and magnet support hardware.	Ernst	MSG	2 MSG tech		3
SPEAR	Mechanical	23.	LCW circuit flow check (read insertion device circuits, and BL-9 and BL-11)	Ernst	MSG	2 MSG tech		2
SPEAR	Mechanical	24.	Clean rust damage on girder 9, apply paint primer on bare metal surfaces	Ernst	MSG	1 MSG tech		2

PIC Shop Task Person Forms (hr)

				PIC	Shop	Task Person	Forms	(hr)
SPEAR	Insertion Devices	25.	Check the BL13 EPU row phase girders (09:30hrs) Restart the ID Server to allow for larger tolerance for BL5 horizontal motion.	Rarback	Controls	Rarback, MSG		.5
SPEAR	Insertion Devices	26.	Troubleshoot & replace the limit switches buffer chassis for BL6 ID	Rarback	Controls	Wallters & Dao		6
SPEAR	Thermocouples	27.	Check RF cavity C body #2 thermocouple wire	Ortiz		Ortiz, Sebek		1
SPEAR	Vacuum - In Alcove	28.	Walk through	Neal	Vacuum	Pak		0.5
SPEAR	Vacuum - In Alcove	29.	G18R4C8 TRP replacement	Ortiz	Vacuum	Neal/Ortiz		1
SPEAR	Vacuum - In Alcove	30.	Isolation Valve Serial number verifications	Neal	Vacuum	Pak		1
SPEAR	Vacuum - In Alcove	31.	NPCT Ion pump. Check for available cable	Neal	Vacuum	Pak		.5
SPEAR	Vacuum - In Alcove	32.	Inspect RF straight ion pump support - for revision of SE model	Scott		Stanfield, Trautwein, Scott		
SPEAR	Vacuum - Out Alcove	33.	Relocate 16G-IP-BL11 from IP14B to IP14A to eliminate IP14B from tripping off at 500 mA.	Neal	Vacuum	Pak		.5
SPEAR	Vacuum - Out Alcove	34.	Relocate 10G-IP-BL12 from IP12A to IP11B	Neal	Vacuum	Pak		.5

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