

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 known 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

3/9/2009

			PIC	Shop	Task Person	Forms	(hr)
Access	Conditions:	1. SPEAR access: 6:30 to 18:00hrs (Access 14:00 to 18:00, as necessary, for BL14 tie-in to Septum Interlock)					
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)

Accelerator Maintenance Day Tasks

3/9/2009

				PIC	Shop	Task Person	Forms	(hr)
Beam Line	BL 14 Shielding	5.	Mitigate the BL14 transverse wall dose issue. Try improving the coverage of lead installed a month ago.	Safranek		Rabedeau/Wenger		1
Beam Line	PPS	6.	Tie BL14 into the septum interlock	Horton		Horton/Rabedeau		
Beam Line	Vacuum	7.	Walk through	Neal		Bach/Jacobson		.5
Beam Line	Vacuum	8.	13-0 FS1 High current/ pressure checkout	Neal		Bach/Jacobson		1
Beam Line	Vacuum	9.	BLs 1 and 2 IP (long) cables visual inspections for cracks etc. Turn off IP Power supplies prior to inspections	Neal		Jacobson/Bach		1.5
Beam Line	Vacuum	10.	ID (Inventory) stopper tank cylinder exhaust port threads for future filter purchases and installations	Neal		Jacobson		1.5
Beam Line	Commissioning	11.	Confirm that all BL14 in-alcove components are ready for commissioning.	Harrington		Harrington		
Beam Line	Vacuum - out of alcove	12.	4-0 IP2 current functional tests	Neal		Jacobson/Bach		.5
Beam Line	Vacuum - out of alcove	13.	BLs 1 and 2 IP (long) cables visual inspections for cracks etc. Turn off IP Power supplies prior to inspections.	Neal		Bach/Jacobson		1.5
Beam Line	Vacuum - out of alcove	14.	BL14 Boiolooff into hutch - install fitting to accommodate shielding	Neal		Bach/Jacobson		1
SPEAR	Beam Diagnostics	15.	Evaluate beam loss monitor (BLM) cables in SPEAR	Schmerge		Schmerge/Rafael		1
				PIC	Shop	Task Person	Forms	(hr)

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Accelerator Maintenance Day Tasks

3/9/2009

				PIC	Shop	Task Person	Forms	(hr)
SPEAR	Beam Diagnostics	16.	Install and commission TOSCI chassis, B132.	Martin				
SPEAR	Beam Diagnostics	17.	Clean air filters in BPM rooms.	Martin				
SPEAR	Power Supply	18.	Fix the cable tray cover in front of B-118.	Rafael	ESC	PCD		2
SPEAR	BCS	19.	Label top-off BCS devices. This will require SPEAR access and power supply rack access	Schmerge		Schmerge		2
SPEAR	BCS	20.	Change top-off BCS power supply interlock set point changes have made the maintenance day list. Reset DIP switches in ~10 chassi per spreadsheed by John Schmerge	Schmerge		Wallters, Rafael, Clemens	LOTO	2
SPEAR	Mechanical	21.	Perform accelerator mechanical inspections	Ernst	MSG	1-MSG tech		1
SPEAR	Mechanical	22.	Check LCW flow switch trip points on dipole chopper NEG power supply	Ernst	MSG	2-MSG techs	LOTO	2
SPEAR	Mechanical	23.	Install reported loose flow switch covers in rack B118-47, Elevation 04	Ernst	MSG	1-MSG tech		1
SPEAR	Mechanical	24.	Install new modified ECD magnet support	Ernst	MSG	2-MSG techs	Penetration permit	3
SPEAR	Mechanical	25.	Clean water rust damage on SPEAR girder-9, install gutter, drip shield	Ernst	MSG	2-MSG techs		1
SPEAR	Mechanical	26.	Annual inspection - SPEAR portal shielding blocks D-rings	Ernst	MSG	Ernst, 2-MSG techs, Bozorg-Chami		1
				PIC	Shop	Task Person	Forms	(hr)

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Accelerator Maintenance Day Tasks

3/9/2009

				PIC	Shop	Task Person	Forms	(hr)
SPEAR	Insertion Device	27.	Check BL13 ID limit switches	Dao	ESG	Wallters, Dao		0.5
	Insertion Devices	28.	Check BL13 EPU row phase girders 9:30 - 10.00 am	Rarback		Rarback		.5
SPEAR	Thermocouple	29.	Evaluate thermocouples G18R4C8 and G17R1C11	Schmerge		Ortiz/Neal		
SPEAR	Vacuum	30.	Walk through	Neal		Pak		.5
SPEAR	Vacuum	31.	Hang clean tent frames on wall in east straight	Neal		Pak		2
SPEAR	Vacuum	32.	G17R1C11 Tc checkout. It spikes	Neal		Neal/Ortiz		1
SPEAR	Vacuum	33.	G18R4C8 TC. Locate	Neal		Neal/Ortiz		1
SPEAR	Vacuum - out of alcove	34.	Re-calibrate 8s and 14G RGAs. Run scan.	Neal		Pak/Bach		3

PIC Shop Task Person Forms (hr)