

## 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

11/2/2009

			PIC	Shop	Task Person	Forms	(hr)
Access	Conditions:	1. SPEAR access: 6:30 to 16:00					
Access	Conditions:	2. SPEAR - Power Supply Checks - 2 hrs after power restored					
Access	Conditions:	3. OUTAGES:					
Access	Conditions:	4. RSWCF Open:					
BEAM LINE	Vacuum (In	5. Walk through	Neal PIC	Vacuum Shop	Bach/Spector Task Person		.5 (hr)

# Accelerator Maintenance Day Tasks

11/2/2009

				PIC	Shop	Task Person	Forms	(hr)
	Alc)							
BEAM LINE	Vacuum (In Alc)	6.	BL4 comb mask - Install - Align - Pumpdown Check 4-0 IV1 is off bypass Spector .1 hrs Check 13-0 IV1 is off bypass Spector .1 hrs	Neal	Vacuum,	Spector/Bach	AED	
SPEAR	Insertion Devices	7.	BL13 - install mounting system for row phase absolute encoder	Evanson	MSG			
SPEAR	Computer Controls	8.	Reboot the following IOCs: soft-iocmps - database changes b117-iocmu - database changes b117-iocorbit - database changes soft-iocgpib - asyn SW patch from EPICS tech-talk b118-iocps - ECD standardization	Allison				
SPEAR	BCS	9.	Cable pulls for Gas Bottles/LIONS:  Install four (4) new LMR-400 cables inside B118, from Cable Closet, East Wall, to RF Test Stand, near B118-MPS-RIO-JB1 junction box. Cable run is approximately 100 ft.  Relocate two (2) cable ends SPR05336, SPR05337, multi-conductor cables, from	Martin	PCD	Soria	Yellow	
				PIC	Shop	Task Person	Forms	(hr)

# Accelerator Maintenance Day Tasks

11/2/2009

				PIC	Shop	Task Person	Forms	(hr)
			B118 East Wall, to rack B118-30.					
SPEAR	BCS	10.	BCS - Top-Off Summary chassis (replace temporary jumpers with permanent jumpers) responsible person	Schmerge		Martin	RSWCF	1
SPEAR	BCS	11.	BCS - Linac ACM noise suppression testing (temporary test with alternate pre-amps to reduce noise on ACM signals) responsible person	Schmerge		Schmerge	RSWCF	8
SPEAR	BCS	12.	PPS - Commission linac chopper trigger interlock (the LTB-B1 interlock is being replaced with a chopper trigger interlock) responsible person	Schmerge		Horton	RSWCF	2
SPEAR	Mechanical	13.	Walk through	Ernst	MSG	DiMattia		
SPEAR	Mechanical	14.	Check roof block sizes over BTS/S3	Evanson		Scott, Evanson		
SPEAR	Metrology	15.	Troubleshoot the HLS in the area of BL7 ID.	Gassner	AED			
SPEAR	Insertion Devices	16.	Install BL13 row phase encoders	Evanson	MSG	Evanson, MSG		4
SPEAR	Insertion Devices	17.	Checking out and routing the cables for the encoders for BL13 ID row phase.	Dao	BLE	Dao, Maciel		4
SPEAR	Vacuum (In Alc)	18.	Walk through	Neal	Vacuum	Pak		.5
SPEAR	Vacuum (In Alc)	19.	12SIG1 Long cable trouble shoot	Neal	Vacuum	Ortiz, Pak		3
SPEAR	Vacuum (In Alc)	20.	BTS	Neal	Vacuum	Nalls/Jacobson		1 -
				PIC	Shop	Task Person	Forms	(hr)

# Accelerator Maintenance Day Tasks

11/2/2009

			PIC	Shop	Task Person	Forms	(hr)
	Alc)						8
SPEAR	Vacuum (Out Alc)	21.	PR1 grid inspection Damaged high voltage ion pump cable replacement in B131-101.	Neal	Vacuum	Pak/Sison	2
			BEAM LINE Fast valve sensor cable connections at back of Controllers. ( Neal 1 hrs)				
SPEAR	Vacuum (Out Alc)	22.	BEAM LINE Fast valve sensor cable connections at back of Controllers	Neal	Vacuum	Neal	1
SPEAR	Vacuum (Out Alc)	23.	BEAM LINE Fast valve sensor cable connections at back of Controllers	Neal	Vacuum	Neal	1

PIC Shop Task Person Forms (hr)