

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

11/16/2009

			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	Mechanical	5.	Ernst PIC	MSG Shop	2-MSG techs Task Person		4 (hr)

Accelerator Maintenance Day Tasks

11/16/2009

				PIC	Shop	Task Person	Forms	(hr)
Beam Line	Vacuum in Alcove	6.	Beam Line walk through	Neal	Vacuum	Bach		.5
Beam Line	Vacuum in Alcove	7.	Leak check BL4 Comb Mask	Neal	Vacuum	Bach/Neal		4
Beam Line	Vacuum out Alcove	8.	BL4 boiloff installation	Neal	Vacuum	Nalls/Jabobson		4
Beam Line	Injection Stoppers	9.	Lubricate the BL10 stoppers and assess their operation. Close time > 7-second BCS timeout. If lubrication solves the problem, we'd finish in 0.5 hours. If pneumatic line and/or junction box need to be rebuilt, it could take 6 hours (for which case we will have RSWCF approved in advance).	Johnson		Kerr	RSWCF	6
BTS	Beam Diagnostics	10.	Label BTS HV Vacuum PS cables	Martin		Martin, Wallters		
Injector	PPS	11.	Replace LTB-B1 interlock with chopper interlock.	Horton		Horton	RSWCF	
SPEAR	Beam Diagnostics	12.	Replace fans in Photon BPM PS, B118-14	Martin		Wallters, Theobald		
SPEAR	Beam Diagnostics	13.	Upgrade PS in B118-14 Wiener crate	Martin		Martin, Wallters		
SPEAR	Beam	14.	Install LION cable assemblies, B118-26	Martin		Martin,		
				PIC	Shop	Task Person	Forms	(hr)

Accelerator Maintenance Day Tasks

11/16/2009

				PIC	Shop	Task Person	Forms	(hr)
	Diagnositics					Wallters		
SPEAR	Beam Diagnositics	15.	Terminate LION gas cylinder cables	Martin		Martin, Theobald		
SPEAR	Mechanical	16.	Mechanical inspections	Ernst	MSG	2-MSG techs		0.5
SPEAR	Insertion Devices	17.	Troubleshoot BL13 row phase encoders.	Dao		Dao		6
SPEAR	Vacuum in Alcove	18.	SPEAR walk through	Neal	Vacuum	Pak		.5
SPEAR	Vacuum in Alcove	19.	12SIG1 Long cable trouble shoot	Neal	Vacuum	Ortiz,Pak		3

PIC Shop Task Person Forms (hr)