

SLAC Recovery Task Force Planning Basis

- **Mantra** – If a task cannot be accomplished safely in this covid pandemic environment, then the task shall not be executed.
- **Corollary** - It is understood and accepted that executing tasks safely in this covid pandemic environment will likely reduce efficiency. So be it. First priority is to work safely and minimize/halt the spread of the coronavirus.

SLAC Covid Safety – Key Initiatives

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- **Gradual and controlled escalation of activity and covid-related scope of work**
- **WPC** - Covid specific JSA/WPC overlays standard JSA, SOP, etc where key criteria are the scope of work implications for personnel distancing hence PPE requirements
- **Training** - Covid training for all on site staff – beta tested last week and scheduled for release shortly
- **PPE** - Face covering distribution and utilization. Other PPE such as gloves, industrial N95, etc based on covid JSA
- **Disinfect** - Clean as you go work space and tool requirements
- **Health check** - Daily health check web form submission prior to site access (<https://healthcheck.stanford.edu/report.php>)
- <https://internal.slac.stanford.edu/esh/> for more covid ESH info

SLAC Covid JSA

Scope of Work & Personnel Distancing – Graded Approach

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Level of Work	General Description	Examples of Types of Activities
Level 0	Off-site activities	Work from home
Level 1	No in-person interactions	Single worker onsite
Level 2	Limited interactions with others	Working at > 6' from others. Passing someone in a hallway or on a stairway
Level 3	Brief activities where physical distancing is not feasible	Working within 6' < than 10 minutes.
Level 4	Activities with two or more people working within 6' of each other for >10 minutes	Working within 6' for >10 minutes.

SSRL/SPEAR3 Operations Recovery

Phased Approach to Recovery of Operations

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Five SSRL/SPEAR3 recovery phases range from current skeletal operations for covid-specific research to (eventual) full restoration of operations including distant and international users

How do we get there (full operations) from here (skeletal ops)?

- Gradual & deliberate increase in staff activity & operations complexity
- Develop and strengthen covid-safe work processes and awareness
- Extract and apply lessons learned to improve our training, work control processes, PPE requirements, etc as needed to ensure personnel safety
- Initial focus on safely broadening BL operations with emphasis on higher priority BL and BL that can be effective with remote users and/or mail in samples
- Project and other activities spooling up as time progresses
- SSRL specific controls to ensure 6' separation (L2) is maintained

SSRL/SPEAR3 Operations Recovery

Recovery Phases

Phase 0 – Corona Virus Research during Shelter in Place (currently ongoing)

- Minimal staffing with largely remote data collection on BL4-2/ BL6-2, BL9-2/12-1/12-2 as well as cryo-EM in B006 (2-6 people on site at SSRL/SPEAR3 + 1-2 people in B006)

Phase 1 – Ramping Up after Shelter in Place Order is Lifted

- ~15 SSRL staff (only) on site at a time and only one staff at a time at a BL to maintain L2
- Emphasize startup of high priority BL and those capable of remote data collection or sample mail in resulting in ~16 total BL operating, minimal project activity, lab activity in support of BL
- Duration ~4 weeks

Phase 2 – Further BL Ramp Up

- ~30 SSRL staff (only) on site at a time and only one staff at a time at a BL to maintain L2
- Broaden active BL to include about 27 total active BL, more project activity, expanded lab use
- Duration ~ 4 weeks

Phase 3 – Local User Operations

- ≥ 60 local users and SSRL staff on site – presumably gradual introduction of users on site
- Full complement of BL for local user research, remote data collection, and mail in sample data collection, continued increase in project and other activities
- duration – until travel restrictions are lifted and hospitality services are available

Phase 4 – Normal Operations

SSRL/SPEAR3 Recovery

Phases 1 & 2 – Current Assumptions for BL Ramp Up



- **Phase 1** - partially expanded BL set
 - Assumed active BL during SIP = BL4-2, BL6-2, BL 9-2, BL12-1, BL12-2
 - Added BL in commissioning = BL15-2, BL17-2
 - Added BL w/ remote user or mail in sample capability = BL2-1, BL2-3, BL4-1, BL7-3, BL10-1, BL11-3, BL14-1
 - Other added BL = BL5-2/5-4, BL13-3
 - Total added BL during phase 1 = 11
 - Total active BL at end of Phase 1 = 16
- **Phase 2** - more expanded BL set
 - Phase 2 added BL = BL1-5, BL2-2, BL4-3, BL7-2, BL8-2, BL9-3, BL10-2, BL11-2, BL13-2, BL14-3, BL16-2
 - Total added BL during phase 2 = 11
 - Total active BL at end of Phase 2 = 27