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

- 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**

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