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| **846851****Section I** – Work Description |
| Issue Date: | TBD | Building: | 90 | Work Supervisor | Name: | Benedikt Zihlmann |
| Work Date: | TBD | Area: | 108 | Cell Phone: |  |
| Shift(s) Work Will be Performed: | TBD | Expected to be completed:  |
| Work Control Document(s)(TOSP/OSP/LOSP, etc.) title, number, includes supporting THA (1)Highest Pre-mitigated risk code or electrical class/mode designation | Title: Operation of the DIRC 3B Laser System (ENP-23-146281-LOSP)Procedure: DIRC LOSP\_122022\_submit.pdfTHA: DIRC LTHA\_011723\_submit.pdfAdditional files: Laser specific Lesson Plan for DIRC Laser draft\_mm\_122022\_submit.pdfHighest Pre-mitigated risk code: 3 |

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| **Section II** – Required Resources |
| Subcontractor: | Yes |  | No |  |
| Subcontractor Company Name: |
| AHA (2) | Yes |  | No |  |
| Approved Safety Plan | Yes |  | No |  |
| JLab Staff Required: (3) |   *Print Name Signature Date Confirmed Training (Y/N)?* |
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| Special Materials and equipment required | Class 3b laser, fused silica bars |
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| **Section III** – Working conditions and off-normal events |
| Describe how work team will manage any recognized deficiency in work planning or unanticipated event |
| In the case of an event or deficiency any workers in the laser lab should leave the room immediately. Opening the door to exit will engage the interlock which will disable the laser output and latch in that condition. The latch will remain until it is cleared by authorized staff.In case of eye or skin exposure to laser light, workers will secure the laser (e-stop) and report to Occupational Medicine for evaluation. |
| Describe how work team will manage unanticipated events or outcomes (suspend or stop work, notifications, backout procedure) |
| The Laser Safety Supervisor will be notified if any unanticipated event occurs. All laser work will be stopped until the event can be assessed by the LSS and the Jlab LSO. Work will resume after approval from the LSS and LSO. |
| Describe how an emergency or injury will be managed |
| The LSS will be notified in the event of an emergency. All laser work will be stopped until the event can be assessed by the LSS and the Jlab LSO. Work will resume after approval from the LSS and LSO. If an injury occurs, work will be stopped and medical services will be contacted immediately. After medical services has been contacted the LSS should be notified. |

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| **Section IV** – Work authorized outside of “normal work day” |
| Describe the work authorized under this review |
| * All work not covered in the scope of operations covered in the LOSP must be evaluated by the LSS prior to doing the work
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| Describe any work NOT authorized under this review – what are the limits of the approved re-start (if any) |
| * All work not covered in the scope of operations covered in the LOSP must be evaluated by the LSS prior to doing the work
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| Describe special conditions and pre-starts required; any actions necessary before restart  |
| * **Pre-start:**
* The LSS shall ensure the workers have reviewed and signed the LOSP and ensured the availability of any/all PPE
* Review the start-up procedure in accordance with the mode of operation (Alignment, Expert, or Automated Measurement) starting on page 14 of the LOSP
 |
| Describe how the Pre-job brief takes place |
| * The LSS shall ensure all workers are fully trained and approved to work on the DIRC laser system
* PPE shall be checked and donned before entry into the laser lab
* The operation of the laser requires a sweep of the laser room prior to operation
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| **Section V** – Authorizations |
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| Originator:  | *Print Name*  *Signature* *Date* |
| Work Supervisor:  | *Print Name*  *Signature* *Date* |
| Division Safety Officer |  |
| Approving AD: | *Print Name*  *Signature* *Date* |
| List any SMEs that participated in the review List names/orgs walkdown participants if walk-down occurred | *Print Name(s)*  |

**UPON COMPLETION FORWARD TO DIVISION SAFETY OFFICER**

1. **Attach THA**
2. **Attach AHA**
3. **Approved work team consists of one or more of the listed workers who are on-site for the work.**

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| **Section VI** –Future considerations for operational improvements |
| Describe any follow-up improvement activities identified during the evaluation |
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**Initial issue: June 15, 2023**