



STANFORD UNIVERSITY

SLAC National Accelerator Laboratory

Operated by Stanford University for the U.S. Department of Energy



DOE Order O 473.1A – Physical Protection Program (8/30/2021)

**Site Compliance Plan (8/17/2022)**

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**Introduction**

This Site Compliance Plan (SCP):

- a) corresponds with the version of the DOE Order on Physical Protection Program listed in the Prime Contract,
- b) outlines the specific CRD sections that apply to SLAC and the respective method of compliance clarifies that the Lab “In compliance”.
- c) correlates and compares SLAC’s Safeguards and Security Program and Site Security Plan with the CRD of this Order, and
- d) documents recurring deliverables\* and DOE-approved methods of compliance for applicable requirements.

Impact on the Contract:

\*Deliverables: Data delivered to DOE or other external agency (e.g., recurring reporting, external database entries)



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Under the SCP, sections of the Order are incorporated into the Contract as-is, unless the SCP indicates that a section or portion thereof is inapplicable, or the section has been changed. Thus, for example, if “in compliance” is listed next to a section, that section is incorporated into the Contract as-is. However, where an SCP indicates that a section or portion thereof is inapplicable, the section or portion thereof is excluded from the Contract. In addition, where a section or portion thereof is applicable, but changes to the section have been agreed by the Parties, the section, as modified by the Parties, shall be incorporated into the Contract. The SCP also memorializes the Parties’ agreement on how SLAC will comply with sections of the Order (whether or not modified).

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Attachment 1 – Contractor Requirements Document: DOE Order O 473.1A – Physical Protection Program (8/30/2021)

In addition to this order contractors are responsible for complying with Attachments 2-8 to DOE O 473.1A referenced in and made a part of this CRD and which provide program requirements and/or information applicable to contracts in which this CRD is inserted.

Table with 5 main columns: §, Requirements from Attachment 1 – CRD, Compliance Status, Method of Compliance, and Deliverables\* (managed through SLACTrak). The Deliverables column is further divided into Item, Frequency, Due Date(s), and Recipient (e.g., SSO). Row 1: § 1, Attachment 1: Contractor Requirements Document, Compliance Status (blank), Method of Compliance (SLAC has reviewed the CRD...), Deliverables (blank).

Attachment 2 – Physical Protection Baseline Requirements

The intent of this Attachment is to establish baseline requirements for all Department of Energy (DOE) Departmental Elements to provide protection to DOE's assets. This and all subsequent attachments apply to DOE Employees and Contractors.

Table header with 5 columns: §, Requirements from, Compliance Status, Method of, and Deliverables\* (managed through SLACTrak).

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**DOE Order O 473.1A – Physical Protection Program (8/30/2021)**

	<b>Attachment 2 – Physical Protection Baseline Requirements</b>		<b>Compliance</b>	<b>Item</b>	<b>Frequency</b>	<b>Due Date(s)</b>	<b>Recipient (e.g., SSO)</b>
2	Attachment 2 – Physical Protection Baselines Requirements	In compliance	SLAC has a Security Program and will comply with all applicable requirements of this order as detailed in this SCP.  SLAC has a DOE-approved site security plan (SSP).	N/A	N/A	N/A	N/A
2-I	Chapter I. Physical Protection Planning	N/A	SLAC does not have any Category I-III special nuclear material or targets subject to radiological or toxicological sabotage.	N/A	N/A	N/A	N/A

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§	<b>Requirements from Attachment 2 – Physical Protection Baseline Requirements</b>	<b>Compliance Status</b>	<b>Method of Compliance</b>	<b>Deliverables* (managed through <a href="#">SLACTrak</a>)</b>			
				<b>Item</b>	<b>Frequency</b>	<b>Due Date(s)</b>	<b>Recipient (e.g., SSO)</b>
2-I-1	GENERAL REQUIREMENTS Special Nuclear Material (SNM) must be protected at the higher level when credible roll up to a higher category can occur	N/A	SLAC has been approved to have limited amounts of Category IV SNM and has a DOE approved SNM plan.	N/A	N/A	N/A	N/A

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2-I-1.a	SNM that is classified must receive the physical protection required by the highest level of classification or category of SNM, whichever is the more stringent.	In compliance	SLAC does not possess classified SNM. SLAC has a DOE-approved SSP that covers protection of SNM.	N/A	N/A	N/A	N/A
2-I-1.b	Countermeasures must be designed to mitigate the adversary scenarios and capabilities described within the DBT.	In compliance	SLAC has utilized the assessment SRAM software (Security Risk Assessment Matrix) created for the DBT order and has completed security risk assessments (SRAs) for all areas designated as PL-6, including areas where SLAC has limited non-accountable SNM.	N/A	N/A	N/A	N/A
2-I-1.c	Security Plans (SPs) must be developed in accordance with DOE O 470.4, Safeguards and Security Program, current version. The SP must be approved by the ODFSA.	In compliance	SLAC has a DOE-approved SSP that covers security in accordance with DOE O 470.4, Safeguards and Security Program.	N/A	N/A	N/A	N/A
2-I-1.d	For certain facilities that do not possess a facility clearance the Interagency Security Committee Risk Management Process must be used as the baseline for the SP (see DOE O 470.4, current version).	N/A	SLAC does not have Category I-III SNM.	N/A	N/A	N/A	N/A

**Site Compliance Plan (8/17/2022)**

§	Requirements from	Compliance Status	Method of	Deliverables* (managed through <a href="#">SLACTrak</a> )
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**DOE Order O 473.1A – Physical Protection Program (8/30/2021)**

	<b>Attachment 2 – Physical Protection Baseline Requirements</b>		<b>Compliance</b>	<b>Item</b>	<b>Frequency</b>	<b>Due Date(s)</b>	<b>Recipient (e.g., SSO)</b>
2-I-1.e	Protection measures must be documented in the SP. Cyber security protection measures must be consistent with the Departmental Element Cybersecurity Program Plan, as required by DOE O 205.1, Cybersecurity Program, current version.	In compliance	SLAC has a DOE-approved SSP that covers the protection measures.				
2-I-1.f	For assets requiring an SRA the protection strategy objectives below must be addressed in the SP: (1) Protection; (2) Mitigation; (3) Incident Response; and (4) Mission Recovery.	In compliance	SLAC has a DOE-approved SCP for the DBT order.  SLAC has created a protection strategy that covers protection, mitigation, incident response, and mission recovery.	N/A	N/A	N/A	N/A

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2-I-1.g	Physical Access Control Systems (PACS) equipment used for physical protection must be in accordance with Attachment 6, Chapter I of this Order.	N/A	<p><b>This statement also covers sections g–o listed below.</b></p> <p>SLAC does not possess classified material and does not perform any classified work at SLAC. SLAC has developed protocols/procedures for the access control system and all officers are trained in accordance with our SLAC alarm/security response protocols.</p>	N/A	N/A	N/A	N/A
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**Site Compliance Plan (8/17/2022)**

§	Requirements from Attachment 2 – Physical Protection Baseline Requirements	Compliance Status	Method of Compliance	Deliverables* (managed through <a href="#">SLACTrak</a> )			
				Item	Frequency	Due Date(s)	Recipient (e.g., SSO)
2-I-1.h	Intrusion Detection Systems (IDS) equipment used for physical protection must be in accordance with Attachment 6, Chapter II of this Order	N/A	See 2-I-1.g	N/A	N/A	N/A	N/A
2-I-1.i	Video Assessment and Surveillance Systems (VASS) equipment used for physical protection must be in accordance with Attachment 6, Chapter III of this Order.	N/A	See 2-I-1.g	N/A	N/A	N/A	N/A

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2-I-1.j	Physical protection systems, including components, must be performance tested to ensure overall system effectiveness in accordance with Attachment 6, Chapter IV of this Order.	N/A	See 2-I-1.g	N/A	N/A	N/A	N/A
2-I-1.k	Physical security system maintenance must be implemented in accordance with Attachment 6, Chapter V of this Order.	N/A	See 2-I-1.g	N/A	N/A	N/A	N/A
2-I-1.l	Communications Systems equipment used for physical protection must be in accordance with Attachment 6, Chapter VI of this Order.	N/A	See 2-I-1.g	N/A	N/A	N/A	N/A

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				Item	Frequency	Due Date(s)	Recipient (e.g., SSO)
2-I-1.m	Power and lighting equipment used for physical protection must be in accordance with Attachment 6, Chapter VII of this Order.	N/A	See 2-I-1.g	N/A	N/A	N/A	N/A

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2-I-1.n	Data transmission and line supervision of security systems equipment used for physical protection must be in accordance with Attachment 6, Chapter VIII of this Order.	N/A	See 2-I-1.g	N/A	N/A	N/A	N/A
2-I-1.o	Security containers or areas where explosives, pyrotechnics, weapons and/or ammunition, not assigned to the protective force (PF), and not located in limited areas (LAs), must be stored in a location monitored by IDS or checked at intervals to protect against unauthorized access as documented in the SP	N/A	See 2-I-1.g	N/A	N/A	N/A	N/A
2-II	Chapter II. Security Areas						
2-II-1	GENERAL ACCESS AREA (GAA) GAAs may be designated by the ODSA to allow access to certain areas with minimum-security requirements.	In compliance	SLAC has designated security areas with applicable levels of control, including general access areas (GAA) and property protection areas (PPA) and PL-6 – PL-8 areas.	N/A	N/A	N/A	N/A

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2-II-1.a	The ODFSA must approve security requirements for those areas designated as GAAs based on a risk management process.	In compliance	SLAC has a DOE-approved SSP that covers all the security requirements.	N/A	N/A	N/A	N/A
2-II-1.b	Security requirements and the identification of GAA locations must be documented in SPs approved by the ODFSA.	In compliance	SLAC has a DOE-approved SSP that covers all the security requirements.	N/A	N/A	N/A	N/A
2-II-1.c	The security requirements must be posted to inform all personnel, including the public, that entry into these areas subjects them to requirements.	In compliance	SLAC has a DOE-approved SSP that covers all the security requirements.	N/A	N/A	N/A	N/A
2-II-2	<b>PROPERTY PROTECTION AREA (PPA)</b>  PPAs are security areas that are designated to protect employees and government owned or leased, buildings, facilities and assets.	In compliance	SLAC has designated security areas with applicable levels of control, including general access areas (GAA) and property protection areas (PPA) and PL-6 through PL8 areas.	N/A	N/A	N/A	N/A
2-II-2.a	The ODSA must approve security measures for those areas designated as PPAs based on an analysis in accordance with DOE O 470.4, current version.	In compliance	SLAC has established security protocols/procedures for all areas designated as PPA in our SSP.	N/A	N/A	N/A	N/A

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				Item	Frequency	Due Date(s)	Recipient (e.g., SSO)
2-II-2.b	PPAs must be configured to provide a means to control access.	In compliance	SLAC has established security protocols/procedures for all areas designated as PPA in our SSP.	N/A	N/A	N/A	N/A
2-II-2.c	Security requirements and the identification of PPA locations must be documented in SPs approved by the ODFSA.	In compliance	SLAC has established security protocols/procedures for all areas designated as PPA in our SSP.	N/A	N/A	N/A	N/A
2-II-2.d	Warning signs and/or notices must be posted (see Chapter IV of this Attachment)	In compliance	SLAC has internal protocols for posting of security/safety areas and all PPA areas have the proper approved postings.	N/A	N/A	N/A	N/A
2-II-3	LIMITED AREA (LA)	N/A	SLAC is a non-possessing site.	N/A	N/A	N/A	N/A
2-II-4	VAULTS AND VAULT TYPE ROOM (VTR)	N/A	SLAC is a non-possessing site.	N/A	N/A	N/A	N/A
2-II-5	SENSITIVE COMPARTMENTED INFORMATION FACILITY (SCIF)	N/A	SLAC is a non-possessing site.	N/A	N/A	N/A	N/A
2-II-6	SPECIAL ACCESS PROGRAMS (SAPs)	N/A	SLAC is a non-possessing site.	N/A	N/A	N/A	N/A

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2-II-7	PROTECTED AREA (PA) PAs are security areas that are established to protect Category II or greater quantities of SNM and may contain classified matter (see Attachment 6).	N/A	SLAC is a non-possessing site.	N/A	N/A	N/A	N/A
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§	Requirements from Attachment 2 – Physical Protection Baseline Requirements	Compliance Status	Method of Compliance	Deliverables* (managed through <a href="#">SLACTrak</a> )			
				Item	Frequency	Due Date(s)	Recipient (e.g., SSO)
2-II-8	MATERIAL ACCESS AREA (MAA) MAAs are security areas that are established to protect Category I quantities of SNM (see Attachment 6)	N/A	SLAC does not possess Category I SNM.	N/A	N/A	N/A	N/A
2-III	Chapter III. Prohibited and Controlled Articles	N/A	SLAC does not possess any classified work/material on site. Signage and HR policies cover prohibited and controlled articles. This applies to requirements in Chapter III.	N/A	N/A	N/A	N/A
2-III-1	GENERAL REQUIREMENTS	N/A					

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2-III-1.a	<p>Authorization for prohibited and controlled articles to be used for official Government business must be documented in an SP.</p> <p>Office of Secure Transportation (OST) Federal Agents, DOE protective personnel, other Federal agents, local law enforcement officials with jurisdiction, and emergency response personnel whose duties routinely require the carrying and operation of prohibited and controlled articles, may be exempt from this requirement unless a safety reason exists to prohibit</p>	N/A	<p>SLAC does not possess any classified work/material on site. Signage and HR policies cover prohibited and controlled articles. This applies to requirements in Chapter III.</p>	N/A	N/A	N/A	N/A
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	certain communication devices, e.g., cellular telephones, transceiver radios and other electronic radiating/emitting devices. If such a prohibition exists, it is to be documented in specific agreements between the site and the appropriate agency.						
2-III-1.b	Sites are to develop procedures to deter the introduction of prohibited and controlled articles. These procedures must be documented in an SP approved by the ODFSA.	N/A	SLAC does not possess any classified work/material on site. Signage and HR policies cover prohibited and controlled articles. This applies to requirements in Chapter III.	N/A	N/A	N/A	N/A
2-III-1.c	The articles listed below must not be permitted onto DOE property without appropriate authorization.	N/A	SLAC does not possess any classified work/material on site. Signage and HR policies cover prohibited and controlled articles. This applies to requirements in Chapter III.	N/A	N/A	N/A	N/A
2-III-2	<b>PROHIBITED ARTICLES</b> Prohibited articles include but are not limited to:	N/A	SLAC does not possess any classified work/material on site. Signage and HR policies cover prohibited and controlled articles. This applies to requirements in Chapter III.	N/A	N/A	N/A	N/A
2-III-2.a	explosives	In Compliance	SLAC does not possess any classified work/material on site. Signage and HR policies cover prohibited and controlled articles. This applies to requirements in	N/A	N/A	N/A	N/A

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				Item	Frequency	Due Date(s)	Recipient (e.g., SSO)
			Chapter III.				
2-III-2.b	dangerous weapons, as defined by 18 USC § 930,	In Compliance	SLAC does not possess any classified work/material on site. Signage and HR policies cover prohibited and controlled articles. This applies to requirements in Chapter III.	N/A	N/A	N/A	N/A
2-III-2.c	instruments or material likely to produce substantial injury to persons or damage to persons or property,	In Compliance	SLAC does not possess any classified work/material on site. Signage and HR policies cover prohibited and controlled articles. This applies to requirements in Chapter III.	N/A	N/A	N/A	N/A
2-III-2.d	controlled substances (e.g., illegal drugs and associated paraphernalia but not prescription medicine), and	In Compliance	Human Resource does a fitness for duty and Workplace Substance Abuse Program. Signage and HR policies cover prohibited and controlled articles. This applies to requirements in Chapter III.	N/A	N/A	N/A	N/A

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2-III-2.e	other items prohibited by law. Additional information covering prohibited items may be found under the provisions of 18 USC § 930, 21 USC 841 et. Seq, 10 CFR Part 860 and 41 CFR Chapter 102-74 Subpart C	N/A	SLAC does not possess any classified work/material on site. Signage and HR policies cover prohibited and controlled articles. This applies to requirements in Chapter III.	N/A	N/A	N/A	N/A
2-III-3	CONTROLLED ARTICLES						

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				Item	Frequency	Due Date(s)	Recipient (e.g., SSO)

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2-III-3.a	<p>Controlled articles such as portable electronic devices (PED), both government and personally owned, capable of recording information or transmitting data (e.g., audio, video, radio frequency, infrared, and/or data link electronic equipment) are not permitted in Las, VTRs, Pas, and MAAs, without prior written approval.</p> <p>(1) The approval process permitting controlled articles must be documented in the approved SP.</p> <p>(2) Medical devices with the ability to transmit or record data must be approved by the ODFSA.</p> <p>(3) Government owned PEDs, information technology systems may only be authorized for introduction and use within LA’s VTR’s, PA’s and MAA’s by the ODFSA. Any ODFSA approval must be based on a documented risk analysis incorporating technical security countermeasures and cybersecurity input</p>	N/A	<p>SLAC does not possess any classified work/material on site. Signage and HR policies cover prohibited and controlled articles. This applies to requirements in Chapter III.</p>	N/A	N/A	N/A	N/A
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				Item	Frequency	Due Date(s)	Recipient (e.g., SSO)
2-IV	Chapter IV. Postings Requirements.	In compliance	SLAC has posting around the entire perimeter fence which cover General Access Areas (GAA) and Safety Access Areas.	N/A	N/A	N/A	N/A
2-IV-1	GENERAL REQUIREMENTS						
2-IV-1.a	10 CFR Part 860, Trespassing on Department of Energy Property, requires facilities, installations, or real property subject to the jurisdiction, administration or in the custody of DOE to be published in the Federal Register in order to inform the public of the penalties for trespassing or introducing unauthorized weapons or dangerous materials (also known as prohibited articles) to these areas.	In compliance	SLAC does not have a security fence. The fence around the site is a perimeter fence. SLAC has signage along perimeter fencing and at site entry points indicating that it is DOE property.	N/A	N/A	N/A	N/A
2-IV-1.b	10 CFR Part 860 requires DOE to post signs warning of the consequences and penalties for trespassing and introducing unauthorized weapons or dangerous materials on to DOE controlled property.	N/A	SLAC does not have any higher-level security areas that will require additional signage addressing deadly force.	N/A	N/A	N/A	N/A

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2-IV-1.c	The Program Secretarial Office must approve all postings to the Federal Register and coordinate the publishing of the notice with the National Archives Office of the	N/A	SLAC does not have a security fence. The fence around the site is mostly a perimeter fence. SLAC has signage along perimeter fencing and at site entry points indicating	N/A	N/A	N/A	N/A
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				Item	Frequency	Due Date(s)	Recipient (e.g., SSO)
	Federal Register. Additional guidance can be located at <a href="https://www.archives.gov/federalregister/write">https://www.archives.gov/federalregister/write</a> .		that it is DOE property.				
2-IV-1.d	The Program Secretarial Office must notify the local office of the Federal Bureau of Investigation with jurisdiction over the subject property, of the date of posting, relocation, removal of posting, or other change, and the identity of the property involved.	N/A	SLAC does not have a security fence. The fence around the site is mostly perimeter fence. SLAC has signage along perimeter fencing and at site entry points indicating that it is DOE property.	N/A	N/A	N/A	N/A
2-IV-2	FEDERAL REGISTER POSTING PROCESS						

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2-IV-2.a	<p>Proposals for the posting of facilities, installations, or real property, or amendment to or revocation of a previous proposal must be submitted when one of the following occurs:</p> <p>(1) New property acquisition or a change in existing property owned by or contracted to the United States for DOE use.</p> <p>(2) New property acquisition or a change in existing property which requires protection under the Atomic</p>	In compliance	<p>SLAC does not have a security fence. The fence around the site is a perimeter fence. SLAC has signage along perimeter fencing and at site entry points indicating that it is DOE property.</p>	N/A	N/A	N/A	N/A
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**Site Compliance Plan (8/17/2022)**

§	Requirements from Attachment 2 – Physical Protection Baseline Requirements	Compliance Status	Method of Compliance	Deliverables* (managed through <a href="#">SLACTrak</a> )			
				Item	Frequency	Due Date(s)	Recipient (e.g., SSO)
	<p>Energy Act of 1954 and/or of the DOE Organization Act.</p> <p>(3) A previous notice needs to be amended or revoked.</p>						

\*Deliverables: Data delivered to DOE or other external agency (e.g., recurring reporting, external database entries)



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**DOE Order O 473.1A – Physical Protection Program (8/30/2021)**

2-IV-2.b	<p>Each posting proposal must include:</p> <p>(1) The name and specific location of the installation, facility, or real property to be covered and the boundary coordinate.</p> <p>(2) If boundary coordinates are not available, the proposal must include a description that will furnish reasonable notice of the area to be covered, which may be an entire area or any portion thereof that can be physically delineated by the posting indicated in paragraph 2(c) below.</p>	In compliance	<p>SLAC does not have a security fence. The fence around the site is a perimeter fence. SLAC has signage along perimeter fencing and at site entry points indicating that it is DOE property.</p>	N/A	N/A	N/A	N/A
2-IV-2.c	<p>Each proposal for amendment or revocation must identify the property involved, state clearly the action to be taken (i.e., change in property description, correction, or revocation), and contain a new or revised property description, if required</p>	N/A	<p>SLAC does not have any higher-level security areas that will require additional signage.</p>	N/A	N/A	N/A	N/A

**Site Compliance Plan (8/17/2022)**

§	Requirements from Attachment 2 – Physical Protection Baseline Requirements	Compliance Status	Method of Compliance	Deliverables* (managed through <a href="#">SLACTrak</a> )			
				Item	Frequency	Due Date(s)	Recipient (e.g., SSO)

\*Deliverables: Data delivered to DOE or other external agency (e.g., recurring reporting, external database entries)



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**DOE Order O 473.1A – Physical Protection Program (8/30/2021)**

2-IV-3	SIGNAGE POSTING REQUIREMENTS	N/A	SLAC does not have any higher-level security areas that will require additional signage.	N/A	N/A	N/A	N/A
2-V	Chapter V. Security Locks and Keys	In compliance	<p>SLAC has a Locks/Keys Program:</p> <p>SLAC does not have any Level I to II Keys.</p> <p>All SLAC keys are administrative keys, with the exception of keys for some PPA areas designated as Level III keys.</p> <p>SLAC has site-specific procedures for lock/keys, including an active inventory.</p>				
2-V-6	LEVEL III SECURITY LOCKS						
2-V-6.a	Locations where Category IV SNM are stored and other areas designated by the ODSA require level III security locks and keys.	In compliance	SLAC has site-specific procedures for lock/keys, including an active inventory.	N/A	N/A	N/A	N/A
2-V-6.b	Level III lock types must be authorized by the ODSA.	In compliance	SLAC has site-specific procedures for lock/keys, including an active inventory.	N/A	N/A	N/A	N/A
2-V-7	LEVEL III LOCK AND KEY CONTROL						

**Site Compliance Plan (8/17/2022)**

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§	Requirements from Attachment 2 – Physical Protection Baseline Requirements	Compliance Status	Method of Compliance	Deliverables* (managed through <a href="#">SLACTrak</a> )			
				Item	Frequency	Due Date(s)	Recipient (e.g., SSO)
2-V-7.a	When not in use, Level III security locks and keys must be stored in a manner approved by the ODSA.	In compliance	SLAC has site-specific procedures for lock/keys, including an active inventory.	N/A	N/A	N/A	N/A
2-V-7.b	All parts of broken Level III security keys must be recovered unless the functional part of the key (the blade) is lost or not retrievable.	In compliance	SLAC has site-specific procedures for lock/keys, including an active inventory.	N/A	N/A	N/A	N/A
2-V-7.c	Level III keys must be permanently marked with a unique identifying number.	In compliance	SLAC has site-specific procedures for lock/keys, including an active inventory.				
2-V-7.d	Level II-III keys may be combined on the same key ring with a unique identifying number; however, the key ring must be protected according to the highest level of key on the ring.	In compliance	SLAC has site-specific procedures for lock/keys, including an active inventory.	N/A	N/A	N/A	N/A
2-VI	Chapter VI. Barriers	N/A	Although not required, SLAC’s perimeter fence provides boundary lines for the site and has barriers for all PPAs.	N/A	N/A	N/A	N/A
2-VII	Chapter VII. Secure Storage	N/A	SLAC does not have any secure storage and it does not possess any classified material.	N/A	N/A	N/A	N/A

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2-VIII	Chapter VIII. Entry/Exit Screening	N/A	SLAC does not possess classified matter or Category III or higher SNM.	N/A	N/A	N/A	N/A
2-IX	Chapter IX. DOE Security and local Site Specific Badge Program	Not in Compliance Compliance expected 12/31/2024	SLAC does not routinely issue HSPD-12 (PIV) badges. SLAC has historically utilized the Office of Science Local Site Specific	N/A	N/A	12/31/24	N/A

**Site Compliance Plan (8/17/2022)**

§	Requirements from Attachment 2 – Physical Protection Baseline Requirements	Compliance Status	Method of Compliance	Deliverables* (managed through <a href="#">SLACTrak</a> )			
				Item	Frequency	Due Date(s)	Recipient (e.g., SSO)

\*Deliverables: Data delivered to DOE or other external agency (e.g., recurring reporting, external database entries)



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#### DOE Order O 473.1A – Physical Protection Program (8/30/2021)

			<p>Only (LSSO) badges and maintains documented procedures for badging.</p> <p>The SLAC Access Control System is not compatible with PIV badges. The PIV badges will not function on most of the RFID readers on site and therefore PIV badges can not currently be utilized as access control badges.</p> <p>DOE requested a data call from all DOE labs regarding implementation of the PIV badges for all Office of Science facilities. SLAC provided all the information requested including the on cost to switch from LSSO badges to PIV badges.</p> <p>Implementation of a PIV program at SLAC would not begin until funding is available from DOE. SLAC is also engaging in further discussions with DOE on potentially implementing a graded approach for the PIV badge program. Currently, for various security reasons, approximately Five percent of the SLAC population have PIV badges.</p> <p>Approximately 17 SLAC employees have HSPD-12 badges with a clearance held by SLAC.</p>			
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#### Site Compliance Plan (8/17/2022)

*\*Deliverables: Data delivered to DOE or other external agency (e.g., recurring reporting, external database entries)*





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DOE Order O 473.1A – Physical Protection Program (8/30/2021)

Attachment 3 – Physical Protection for PL-7 and PL-8 Assets

The intent of this Attachment is to prescribe protection requirements for PL-7 and PL-8 assets. These are departmental assets that do not meet the criteria for other PLs. These requirements are in addition to those physical protection requirements outlined in Attachment 2 of this Order.

Table with 8 columns: §, Attachment 3 – Physical Protection for PL-7 and PL-8 Assets, Compliance Status, Method of Compliance, Deliverables\* (managed through SLACTrak), Item, Frequency, Due Date(s), Recipient (e.g., SSO). Rows include sections 3, 3-I, 3-I-1, and 3-I-1.a.

\*Deliverables: Data delivered to DOE or other external agency (e.g., recurring reporting, external database entries)



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**DOE Order O 473.1A – Physical Protection Program (8/30/2021)**

3-I-1.b	The protection strategy of PL-7 assets is order compliance. The following require an SRA: PL-7 high value assets (as defined by Program Secretarial Officers), nonconforming storage of classified matter, noncompliant storage of Category III or IV SNM, or SNM as part of a roll-up analysis. The objectives of the protection strategy used for PL-7 assets requiring an SRA are:	In compliance	SLAC has utilized the SRAM software created for the DBT order and has completed security risk assessments (SRAs) for all areas designated as PL-6 which includes areas where SLAC stores limited amounts of non-accountable SNM.  SLAC has a DOE-approved site security plan (SSP) that covers security in accordance with DOE O 470.4, Safeguards and Security Program. SLAC does not have any Category I-IV SNM.	N/A	N/A	N/A	N/A
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**Site Compliance Plan (8/17/2022)**

§	Attachment 3 – Physical Protection for PL-7 and PL-8 Assets	Compliance Status	Method of Compliance	Deliverables* (managed through <a href="#">SLACTrak</a> )			
				Item	Frequency	Due Date(s)	Recipient (e.g., SSO)
	(1) Protection; (2) Mitigation; (3) Incident Response; and (4) Mission Recovery.						

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**DOE Order O 473.1A – Physical Protection Program (8/30/2021)**

3-I-2	BIOLOGICAL AGENTS PL-7 assets identified as biological agents requiring biosafety level (BSL)-1 or -2 or animal biosafety level (ABSL)-1 or -2 must meet the following requirements as applicable:	In compliance	SLAC has utilized the SRAM software created for the DBT order and has completed Security Risk Assessments (SRAs) for all areas designated as PL-6 which covers SLAC’s BSL-2 labs. Approved security protocols are in place for these labs.	N/A	N/A	N/A	N/A
3-I-2.a	42 CFR § 73, Select Agents and Toxins, contains two lists of agents and toxins regulated by HHS/CDC (Centers for Disease Control and Prevention of the Department of Health and Human Services): 1) HHS Select Agents and Toxins (42 CFR § 73.3); and 2) Overlap Select Agents and Toxins (42 CFR § 73.4).	N/A	SLAC does not have or plan to have any select agents.	N/A	N/A	N/A	N/A
3-I-2.b	7 CFR § 331, Possession, Use, and Transfer of Select Agents and Toxins, contains a list of Plant Protection and Quarantine (PPQ) Programs of the Animal and Plant Health Inspection Service (APHIS),	N/A	SLAC does not have or plan to have any select agents.	N/A	N/A	N/A	N/A

**Site Compliance Plan (8/17/2022)**

§	Attachment 3 – Physical Protection for PL-7 and PL-8 Assets	Compliance Status	Method of Compliance	Deliverables* (managed through <a href="#">SLACTrak</a> )			
				Item	Frequency	Due Date(s)	Recipient (e.g., SSO)

\*Deliverables: Data delivered to DOE or other external agency (e.g., recurring reporting, external database entries)



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DOE Order O 473.1A – Physical Protection Program (8/30/2021)

	Select Agents and Toxins (7 CFR § 331.3(b)).						
3-I-2.c	9 CFR § 121, Use, and Transfer of Select Agents and Toxins, contains two lists: 1) Veterinary Services Programs (VS) of the APHIS, Select Agents and Toxins( 9 CFR § 121.3(b)); and 2) Overlap Select Agents and Toxins (9 CFR § 121.4(b)) .For more information, see DOE G 151.1-5, Biosafety Facilities Emergency Management Guide, current version.	N/A	SLAC does not have or plan to have any select agents.	N/A	N/A	N/A	N/A
3-I-3	CATEGORY III SNM PL-7 assets identified as Category III SNM must meet the following requirements	N/A	SLAC does not have any Category III SNM.	N/A	N/A	N/A	N/A
3-I-4	CATEGORY IV SNM PL-7 assets identified as Category IV SNM must meet the following requirements:	N/A	SLAC has utilized the SRAM software created for the DBT order and has completed security risk assessments (SRAs) for all areas designated as PL-6 which covers areas where SLAC has SNM.	N/A	N/A	N/A	N/A
3-I-4.a	SNM must be stored, used or processed within at least a PPA in accordance with security procedures	In compliance	SLAC has designed PPAs that are documented in our SSP and has security protocols.	N/A	N/A	N/A	N/A

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**DOE Order O 473.1A – Physical Protection Program (8/30/2021)**

**Site Compliance Plan (8/17/2022)**

§	Attachment 3 – Physical Protection for PL-7 and PL-8 Assets	Compliance Status	Method of Compliance	Deliverables* (managed through <a href="#">SLACTrak</a> )			
				Item	Frequency	Due Date(s)	Recipient (e.g., SSO)
	documented in a SP.						
3-I-4.b	Protect with barriers designed to mitigate the DBT adversary's capabilities.	In compliance	SLAC is complying with the DBT order requirements.	N/A	N/A	N/A	N/A
3-I-4.c	Secure with Level III locks and keys, including while in transit.	In compliance	SLAC has approved security protocols for Level III locks and keys.	N/A	N/A	N/A	N/A
3-I-4.d	Control access either utilizing PACS in accordance with Attachment 6, Chapter 1 of this Order, or Level III locks and keys.	N/A	SLAC has an approved security system and alarm protocols that are implemented throughout the site.	N/A	N/A	N/A	N/A

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**DOE Order O 473.1A – Physical Protection Program (8/30/2021)**

3-I-4.e	<p>Category IV quantities of SNM may be transported by the following methods unless otherwise prohibited by statute:</p> <p>(1) Domestic offsite shipments of classified configurations of Category IV quantities of SNM may be made by the OST or by other means when approved by DOE line management or ODFSA.</p> <p>(2) Shippers are required to give the consignee an estimated time of arrival before dispatch and to follow up with a written confirmation not later than 48 hours after dispatch.</p> <p>(3) Consignees must promptly notify</p>	In compliance	SLAC has approval for limited quantities for Category IV SNM. SLAC has a DOE approved SNM plan	N/A	N/A	N/A	N/A
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**Site Compliance Plan (8/17/2022)**

§	Attachment 3 – Physical Protection for PL-7 and PL-8 Assets	Compliance Status	Method of Compliance	Deliverables* (managed through <a href="#">SLACTrak</a> )			
				Item	Frequency	Due Date(s)	Recipient (e.g., SSO)

\*Deliverables: Data delivered to DOE or other external agency (e.g., recurring reporting, external database entries)



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DOE Order O 473.1A – Physical Protection Program (8/30/2021)

	<p>the shipper by telephone and written confirmation upon determination that a shipment has not arrived by the scheduled time.</p> <p>(4) Shipments must be made by a mode of transportation that can be traced, and within 24 hours from request, the carrier be capable of reporting the last known location of the shipment should it fail to arrive on schedule</p>						
3-I-5	<p><b>OTHER ACCOUNTABLE NUCLEAR MATERIAL</b></p> <p>PL-7 assets identified as Other Accountable Nuclear Material as referenced by the DBT and defined by DOE O 474.2, Nuclear Material Control and Accountability, current version, must be protected in accordance with local security procedures documented in a SP, based on analysis:</p>	In compliance	<p>SLAC has utilized the SRAM software created for DBT order and has completed security risk assessments (SRAs) for all areas designated as PL-6, which covers areas where SLAC stores Other Accountable Nuclear Material (OANM).</p> <p>SLAC describes the accountability process of OANM in the SLAC Nuclear Material Control and Accountability Plan (NMC&amp;A). SLAC conducts semi-annual physical inventory on OANM per the NMC&amp;A plan to ensure the integrity of the material on site.</p>	N/A	N/A	N/A	N/A
3-I-6	<p><b>RADIOLOGICAL MATERIALS</b></p> <p>Protection of PL-7 assets identified as radiological materials as defined by the DBT (Appendix A, 2.g.5)</p>	In compliance	<p>SLAC has utilized the SRAM software created for the DBT order and has completed Security Risk Assessments (SRAs) for all areas designated as PL-6.</p>	N/A	N/A	N/A	N/A

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DOE Order O 473.1A – Physical Protection Program (8/30/2021)

Site Compliance Plan (8/17/2022)

§	Attachment 3 – Physical Protection for PL-7 and PL-8 Assets	Compliance Status	Method of Compliance	Deliverables* (managed through <a href="#">SLACTrak</a> )			
				Item	Frequency	Due Date(s)	Recipient (e.g., SSO)
	must be protected in accordance with local security procedures documented in a SP, based on analysis:		SLAC doesn't physically possess classified information or special nuclear materials in quantities greater than Category IV and attractiveness Level C per DOE Order 474.2.  SLAC has approved security measures that are covered in the SSP for Radiological material. <b>This applies for sections 6 through 8.</b>				
3-I-7	CHEMICALS  PL-7 assets identified as chemical assets as defined by the DBT (Appendix A 2.g.6) must be protected in accordance with local security procedures documented in a SP, based on analysis.	In compliance	See Section 3-I-6	N/A	N/A	N/A	N/A

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**DOE Order O 473.1A – Physical Protection Program (8/30/2021)**

3-I-8	GOVERNMENT PROPERTY AND FACILITIES  PL-7 assets identified as Government property and facilities must be protected in accordance with the applicable requirements in this Order	In compliance	See Section 3-I-6	N/A	N/A	N/A	N/A
3-I-9	CLASSIFIED OR CONTROLLED UNCLASSIFIED INFORMATION (CUI)	In progress	SLAC will be in compliance with the DOE approved SCP for DOE O 471.7 Controlled Unclassified Information by 12/31/2022.	N/A	N/A	N/A	N/A

**Site Compliance Plan (8/17/2022)**

§	Attachment 3 – Physical Protection for PL-7 and PL-8 Assets	Compliance Status	Method of Compliance	Deliverables* (managed through <a href="#">SLACTrak</a> )			
				Item	Frequency	Due Date(s)	Recipient (e.g., SSO)
3-II	Chapter II. Physical Protection for PL-8 Assets						

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**DOE Order O 473.1A – Physical Protection Program (8/30/2021)**

3-II-1	GENERAL REQUIREMENTS PL-8 assets are defined in the DBT as Departmental Federal employees, contractors, and the general public on Departmental property. This also includes childcare centers physically located on Departmental property, visitor centers, and government leased properties.	In compliance	SLAC does not have a childcare center on site. SLAC does have a DOE-approved SSP that covers the security posture of the entire site, which covers all PL-6 to PL-8 areas.	N/A	N/A	N/A	N/A
3-II-1.a	The protection strategy of PL-8 assets is order compliance.	In compliance	SLAC does not have a childcare center on site. SLAC does have a DOE-approved SSP that covers the security posture of the entire site, which covers all PL-6, PL-7 and PL-8 areas.	N/A	N/A	N/A	N/A
3-II-1.b	When planning protection measures for workplace violence and active shooter events, the adversary characteristics, capabilities and scenarios described in the DBT for PL-8 must be used.	In progress	SLAC is working on setting up a memorandum of understanding (MOU) with the San Mateo County Sheriff's Office for all emergency response, including active shooter response. In addition, SLAC Security is creating active shooter response protocols for non-armed security officers. Completion date for both is Q2, FY2023.  <b>This applies to Section C also.</b>	N/A	N/A	N/A	N/A

**Site Compliance Plan (8/17/2022)**

§	Attachment 3 – Physical	Compliance Status	Method of	Deliverables* (managed through <a href="#">SLACTrak</a> )
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**DOE Order O 473.1A – Physical Protection Program (8/30/2021)**

	Protection for PL-7 and PL-8 Assets		Compliance	Item	Frequency	Due Date(s)	Recipient (e.g., SSO)
3-II-1.c	Protection measures may be implemented using Departmental or non-Departmental resources (e.g., local law enforcement, commercial alarm monitoring, local fire department, and hazard material response). Additional measures may be applied based on local analyses	In compliance	SLAC has an MOU with the Menlo Park Fire Department and contracted security officers on site 24/7 for any security/medical/safety response.  SLAC relies on the San Mateo County Sheriff’s Office for any armed response.	N/A	N/A	N/A	N/A

**Attachment 4 – Physical Protection for PL-5 and PL-6 Assets**

The intent of this Attachment is to provide the baseline physical protection requirements for PL-5 and PL-6 assets. These requirements are in addition to those physical protection requirements outlined in Attachment 2 of this Order.

§	Requirements from Attachment 4 – Physical Protection for PL-5 and PL-6 Assets	Compliance Status	Method of Compliance	Deliverables* (managed through <a href="#">SLACTrak</a> )			
				Item	Frequency	Due Date(s)	Recipient (e.g., SSO)
4	Attachment 4 – Physical Protection for PL-5 and PL-6 Assets						
4-I	Chapter I. Protection of PL 1-5 Assets	N/A	SLAC does not have any PL1-4 or PL-5 assets.	N/A	N/A	N/A	N/A

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**DOE Order O 473.1A – Physical Protection Program (8/30/2021)**

4-I-1	GENERAL REQUIREMENTS PL-5 assets are assets designated as part of the United States National Critical Infrastructure as defined in Presidential Policy Directive-21, Critical Infrastructure Security and	N/A	SLAC does not perform any classified work or have applicable material on site. SLAC does not have any PL1-4 or PL-5 assets.  <b>This applies for all of Section 1, General Requirements and Section 2, National</b>	N/A	N/A	N/A	N/A
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**Site Compliance Plan (8/17/2022)**

§	Requirements from Attachment 4 – Physical Protection for PL-5 and PL-6 Assets	Compliance Status	Method of Compliance	Deliverables* (managed through <a href="#">SLACTrak</a> )			
				Item	Frequency	Due Date(s)	Recipient (e.g., SSO)
	Resilience. PL-5 assets also include facilities with significant radiological, chemical, or biological sabotage targets, and have off-site consequences.		<b>Critical Infrastructure.</b>				
4-I-1.a	Protection measures must be designed to mitigate the adversary scenarios and capabilities for PL-5 described within the DBT.	N/A	See Section 4-I-1	N/A	N/A	N/A	N/A
4-I-1.b	An SRA is required for PL-5 assets. Additional requirements may be established by the Program Secretarial Office or Power Marketing Administration (PMA) as determined by the results of the SRA.	N/A	See Section 4-I-1	N/A	N/A	N/A	N/A

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**DOE Order O 473.1A – Physical Protection Program (8/30/2021)**

4-I-1.c	The protection strategy objective for PL-5 assets is order compliance. The four elements below must be addressed in the SP or in the analyses that support the SP:  (1) Protection; (2) Mitigation; (3) Incident Response; and (4) Mission Recovery.	N/A	See Section 4-I-1	N/A	N/A	N/A	N/A
4-I-1.d	Boundaries must be defined by physical barriers (fences, buildings,	N/A	See Section 4-I-1	N/A	N/A	N/A	N/A

**Site Compliance Plan (8/17/2022)**

§	Requirements from Attachment 4 – Physical Protection for PL-5 and PL-6 Assets	Compliance Status	Method of Compliance	Deliverables* (managed through <a href="#">SLACTrak</a> )			
				Item	Frequency	Due Date(s)	Recipient (e.g., SSO)
	rooms, containment structures, etc.) encompassing the designated space containing the asset with access controls to ensure that only authorized personnel are allowed to enter the area containing the asset.						
4-I-1.e	Intra-site transportation procedures must be covered in the SP	N/A	See Section 4-I-1	N/A	N/A	N/A	N/A

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**DOE Order O 473.1A – Physical Protection Program (8/30/2021)**

4-I-2	NATIONAL CRITICAL INFRASTRUCTURE  PL-5 assets designated as national critical infrastructure as defined in the DBT must meet the following requirements:	N/A	SLAC does not do any classified work or have applicable material on site. SLAC does not have any PL1-4 or PL-5 assets.  <b>This applies for all of Section 1, General Requirements and Section 2, National Critical Infrastructure.</b>	N/A	N/A	N/A	N/A
4-I-1.a	Deter cyber sabotage by preventing unauthorized on-site or remote access to critical process controls.	in compliance	SLAC has an established Cyber Security Program.	N/A	N/A	N/A	N/A
4-I-1.b	Deter insider sabotage which would result in a release of chemicals offsite by employing measures established by the ODSA and documented in a SP approved by the ODFSA.	In compliance	SLAC has an approved SSP that covers Securing all government property.	N/A	N/A	N/A	N/A
4-I-1.c	Control access to the asset by either utilizing PACS in accordance with Attachment 6, Chapter 1 of this Order, or through the use of Level I locks and	N/A	SLAC does is a non-possessing facility and does not have any classified materials or Level I locks/keys.	N/A	N/A	N/A	N/A

**Site Compliance Plan (8/17/2022)**

§	Requirements from Attachment 4 – Physical Protection for PL-5 and PL-6 Assets	Compliance Status	Method of Compliance	Deliverables* (managed through <a href="#">SLACTrak</a> )			
				Item	Frequency	Due Date(s)	Recipient (e.g., SSO)
	keys						

\*Deliverables: Data delivered to DOE or other external agency (e.g., recurring reporting, external database entries)



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**DOE Order O 473.1A – Physical Protection Program (8/30/2021)**

4-II	Chapter II. Physical Protection for PL6 Assets						
4-II-1	GENERAL REQUIREMENTS. PL-6 assets are assets designated as critical program assets or facilities; radiological, chemical, or biological materials; or assets determined to be sabotage targets with on-site consequences as defined in the DBT.	In compliance	SLAC has utilized the SRAM software created for the DBT order and has completed security risk assessments (SRAs) for all areas designated as PL-6. SLAC doesn't physically possess classified information or special nuclear materials in quantities greater than Category IV and attractiveness Level C per DOE Order 474.2.  SLAC has security measures for radiological material, covered in our DOE-approved site security plan (SSP).  <b>This applies for sections 1.a through 2b.</b>	N/A	N/A	N/A	N/A
4-II-1.a	Protection measures must be designed to mitigate the adversary scenarios and capabilities for PL-6 described within the DBT.	In compliance	See Section 4-II-1	N/A	N/A	N/A	N/A
4-II-1.b	An SRA is required for PL-6 assets. Additional requirements may be established by the Program Secretarial Office or PMA as determined by the results of the SRA.	In compliance	See Section 4-II-1	N/A	N/A	N/A	N/A

**Site Compliance Plan (8/17/2022)**

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DOE Order O 473.1A – Physical Protection Program (8/30/2021)

§	Requirements from Attachment 4 – Physical Protection for PL-5 and PL-6 Assets	Compliance Status	Method of Compliance	Deliverables* (managed through <a href="#">SLACTrak</a> )			
				Item	Frequency	Due Date(s)	Recipient (e.g., SSO)
4-II-1.c	<p>The protection strategy objective for PL-6 assets is order compliance. The four elements below must be addressed in the SP or in the analyses that support the SP:</p> <p>(1) Protection;            (2) Mitigation;            (3) Incident Response; and            (4) Mission Recovery.</p>	In compliance	<p>SLAC has utilized the SRAM software created for the DBT order and has completed security risk assessments (SRAs) for all areas designated as PL-6. SLAC doesn't physically possess classified information or special nuclear materials in quantities greater than Category IV and attractiveness Level C per DOE Order 474.2.</p> <p>SLAC has security measures for radiological material, covered in our DOE-approved site security plan (SSP).</p>	N/A	N/A	N/A	N/A

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4-II-1.d	Boundaries must be defined by physical barriers (fences, buildings, rooms, containment structures, etc.) encompassing the designated space containing the asset with access controls to ensure that only authorized personnel are allowed to enter the area containing the asset.	In compliance	SLAC has utilized the SRAM software created for the DBT order and has completed security risk assessments (SRAs) for all areas designated as PL-6. SLAC doesn't physically possess classified information or special nuclear materials in quantities greater than Category IV and attractiveness Level C per DOE Order 474.2.  SLAC has security measures for radiological material, covered in our DOE-approved site security plan (SSP).	N/A	N/A	N/A	N/A
4-II-1.e	Intra-site transportation procedures must be covered in the SP	In compliance	SLAC has utilized the SRAM software created for the DBT order and has completed security risk assessments (SRAs) for all areas	N/A	N/A	N/A	N/A

**Site Compliance Plan (8/17/2022)**

§	Requirements from Attachment 4 – Physical Protection for PL-5 and PL-6 Assets	Compliance Status	Method of Compliance	Deliverables* (managed through <a href="#">SLACTrak</a> )			
				Item	Frequency	Due Date(s)	Recipient (e.g., SSO)

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			<p>designated as PL-6. SLAC doesn't physically possess classified information or special nuclear materials in quantities greater than Category IV and attractiveness Level C per DOE Order 474.2.</p> <p>SLAC has security measures for chemical and radiological material, covered in our DOE-approved site security plan (SSP).</p>				
4-II-2	<p>CRITICAL PROGRAM ASSETS PL-6 assets designated as critical program assets as defined in the DBT must meet the following requirements:</p>	In compliance	<p>SLAC has utilized the SRAM software created for the DBT order and has completed security risk assessments (SRAs) for all areas designated as PL-6. SLAC doesn't physically possess classified information or special nuclear materials in quantities greater than Category IV and attractiveness Level C per DOE Order 474.2.</p> <p>SLAC has security measures for radiological material, covered in our DOE-approved site security plan (SSP).</p> <p><b>This applies for sections 2.a through 2d.</b></p>	N/A	N/A	N/A	N/A
4-II-2.a	<p>Control access either utilizing PACS in accordance with Attachment 6, Chapter 1 of this Order, or Level II locks and keys.</p>	N/A	<p>SLAC is a non-possessing facility and does not have any classified materials or Level II locks/keys.</p>	N/A	N/A	N/A	N/A

**Site Compliance Plan (8/17/2022)**

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§	Requirements from Attachment 4 – Physical Protection for PL-5 and PL-6 Assets	Compliance Status	Method of Compliance	Deliverables* (managed through <a href="#">SLACTrak</a> )			
				Item	Frequency	Due Date(s)	Recipient (e.g., SSO)
4-II-2.b	Monitor with IDS in accordance with Attachment 6, Chapter II of this Order, or monitor using authorized personnel based on the results of an SRA.	In compliance	SLAC has utilized the SRAM software created for the DBT order and has completed security risk assessments (SRAs) for all areas designated as PL-6. SLAC doesn't physically possess classified information or special nuclear materials in quantities greater than Category IV and attractiveness Level C per DOE Order 474.2.  SLAC has security measures for radiological material, covered in our DOE-approved site security plan (SSP).	N/A	N/A	N/A	N/A
4-II-2.c	Deter cyber sabotage by preventing unauthorized on-site or remote access to critical process controls.	In compliance	SLAC has an established Cyber Security System.	N/A	N/A	N/A	N/A

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4-II-2.d	Ensure that site security participates in coordinating an emergency response that supports a documented Emergency Management program that provides a foundation for planning, preparedness, response, recovery, and readiness assurance to respond to/recover from incidents involving these assets	In compliance	SLAC has Security/Emergency Protocols for for planning, preparedness, response, recovery, and readiness assurance to respond to/recover from incidents involving PL-6 to PL-8 assets.	N/A	N/A	N/A	N/A
4-II-3	RADIOLOGICAL MATERIALS PL-6 assets identified as radiological or nuclear materials defined in the	In compliance	SLAC has utilized the SRAM software created for the DBT order and has completed Security Risk Assessments (SRAs) for all	N/A	N/A	N/A	N/A

**Site Compliance Plan (8/17/2022)**

§	Requirements from Attachment 4 – Physical Protection for PL-5 and PL-6 Assets	Compliance Status	Method of Compliance	Deliverables* (managed through <a href="#">SLACTrak</a> )			
				Item	Frequency	Due Date(s)	Recipient (e.g., SSO)
	DBT must meet the following requirements:		<p>areas designated as PL-6. SLAC doesn't physically possess classified information or special nuclear materials in quantities greater than Category IV and attractiveness Level C per DOE Order 474.2.</p> <p>SLAC has security measures for radiological material, covered in our DOE-approved site security plan (SSP). <b>This applies to 3.a to 3.c</b></p>				

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**DOE Order O 473.1A – Physical Protection Program (8/30/2021)**

4-II-3.a	Protect with barriers designed to mitigate the DBT adversary's capabilities based on the results of an SRA.	In compliance	SLAC has utilized the SRAM software created for the DBT order and has completed security risk assessments (SRAs) for all areas designated as PL-6. SLAC doesn't physically possess classified information or special nuclear materials in quantities greater than Category IV and attractiveness Level C per DOE Order 474.2.  SLAC has security measures for radiological material, covered in our DOE-approved site security plan (SSP). <b>This applies to 3.a to 3.c</b>	N/A	N/A	N/A	N/A
4-II-3.b	Control access either utilizing PACS in accordance with Attachment 6, Chapter 1 of this Order, or Level II locks and keys.	N/A	SLAC is a non-possessing facility and does not have any classified materials or Level II locks/keys.	N/A	N/A	N/A	N/A
4-II-3.c	Monitor via IDS in accordance with Attachment 6, Chapter II of this Order,	N/A	SLAC is a non-possessing facility and does not have any classified materials or Level II				

**Site Compliance Plan (8/17/2022)**

§	Requirements from Attachment 4 – Physical Protection for PL-5 and PL-6 Assets	Compliance Status	Method of Compliance	Deliverables* (managed through <a href="#">SLACTrak</a> )			
				Item	Frequency	Due Date(s)	Recipient (e.g., SSO)
	or monitor using authorized personnel.		locks/keys.				

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**DOE Order O 473.1A – Physical Protection Program (8/30/2021)**

4-II-3.d	Ensure that site security participates in coordinating an emergency response that supports a documented Emergency Management program that provides a foundation for planning, preparedness, response, recovery, and readiness assurance to respond to/recover from incidents involving these assets.	In compliance	SLAC has a DOE-approved SSP and Emergency Management Plan.	N/A	N/A	N/A	N/A
4-II-3.e	Intra-site transportation procedures must be covered in the SP	In compliance	SLAC has a DOE-approved SSP and Emergency Management Plan.	N/A	N/A	N/A	N/A
4-II-4	BIOLOGICAL AGENTS PL-6 assets identified as Biological agents as defined by the DBT must meet the requirements contained in the following national policies:	N/A	SLAC does not possess or plan to possess any select agents. <b>This applies to sections 4a through 4e.</b>	N/A	N/A	N/A	N/A
4-II-4.a	42 CFR § 73, Select Agents and Toxins, contains two lists of agents and toxins regulated by HHS/CDC: 1) HHS Select Agents and Toxins (42 CFR § 73.3); and 2) Overlap Select Agents and Toxins (42 CFR § 73.4).	N/A	See Section 4-II-4	N/A	N/A	N/A	N/A
4-II-4.b	7 CFR § 331, Possession, Use, and Transfer of Select Agents and Toxins, contains a list of Plant Protection and Quarantine Programs (PPQ) of the	N/A	See Section 4-II-4	N/A	N/A	N/A	N/A

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[DOE Order O 473.1A – Physical Protection Program \(8/30/2021\)](#)

§	Requirements from Attachment 4 – Physical Protection for PL-5 and PL-6 Assets	Compliance Status	Method of Compliance	Deliverables* (managed through <a href="#">SLACTrak</a> )			
				Item	Frequency	Due Date(s)	Recipient (e.g., SSO)
	Animal and Plant Health Inspection Service (APHIS), Select Agents and Toxins (7 CFR § 331.3(b)).						
4-II-4.c	9 CFR § 121, Use, and Transfer of Select Agents and Toxins, contains two lists: 1) Veterinary Services Programs (VS) of the APHIS, Select Agents and Toxins (9 CFR § 121.3(b)); and 2) Overlap Select Agents and Toxins (9 CFR § 121.4(b))	N/A	See Section 4-II-4	N/A	N/A	N/A	N/A
4-II-4.d	DOE Policy 434.1, Conduct and Approval of Select Agent and Toxin Work at DOE Sites, current version.	N/A	See Section 4-II-4	N/A	N/A	N/A	N/A

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4-II-4.e	For more information see CDC guidance from Biosafety in Microbiological and Biomedical Laboratories and DOE Guide 151.1-5, Biosafety Facilities, current version. Ensure that the site has established a documented Emergency Management program that provides a foundation for planning, preparedness, response, recovery, and readiness assurance to respond to/recover from incidents involving these assets	N/A	See Section 4-II-4	N/A	N/A	N/A	N/A
4-II-5	CHEMICALS. Chemicals with PL-6 consequences	In compliance	SLAC has utilized the SRAM software created for the DBT order and has completed security risk assessments (SRAs) for all areas	N/A	N/A	N/A	N/A

**Site Compliance Plan (8/17/2022)**

§	Requirements from Attachment 4 – Physical Protection for PL-5 and PL-6 Assets	Compliance Status	Method of Compliance	Deliverables* (managed through <a href="#">SLACTrak</a> )			
				Item	Frequency	Due Date(s)	Recipient (e.g., SSO)

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	must be protected in accordance with the requirements below and as required based on the results of an SRA. Chemicals typically found on DOE facilities are identified here: <a href="https://edms.energy.gov/pac/TeelDocs">https://edms.energy.gov/pac/TeelDocs</a> .		designated as PL-6. SLAC doesn't physically possess classified information or special nuclear materials in quantities greater than Category IV and attractiveness Level C per DOE Order 474.2.  SLAC has security measures for chemical and radiological material, covered in our DOE-approved site security plan (SSP).  <b>This applies to sections 5a through 5h.</b>				
4-II-5.a	Monitor with IDS or authorized personnel.	In compliance	SLAC has an approved SSP that covers Security alarms response and protocols.	N/A	N/A	N/A	N/A
4-II-5.b	Control access either utilizing PACS in accordance with Attachment 6, Chapter 1 of this Order, or Level II locks and keys.	In compliance	SLAC does not have Level II keys.	N/A	N/A	N/A	N/A
4-II-5.c	Deter vehicles from gaining unauthorized access to the asset.	In compliance	SLAC has an approved SSP that covers access control to site, buildings, and assets.	N/A	N/A	N/A	N/A
4-II-5.d	Secure and monitor the shipping, receipt, and storage of hazardous materials for the facility.	In compliance	SLAC SSP identified all PPA areas and PL-6 areas which includes areas where SLAC has limited hazardous material.	N/A	N/A	N/A	N/A
4-II-5.e	Deter insider sabotage which would result in a release of chemicals onsite by employing measures established by the ODSA and documented in an approved SP.	In compliance	SLAC SSP identified all PPA areas and PL-6 areas which includes areas where SLAC has limited hazardous material.	N/A	N/A	N/A	N/A

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**DOE Order O 473.1A – Physical Protection Program (8/30/2021)**

**Site Compliance Plan (8/17/2022)**

§	Requirements from Attachment 4 – Physical Protection for PL-5 and PL-6 Assets	Compliance Status	Method of Compliance	Deliverables* (managed through <a href="#">SLACTrak</a> )			
				Item	Frequency	Due Date(s)	Recipient (e.g., SSO)
4-II-5.f	Deter cyber sabotage by preventing unauthorized on-site or remote access to critical process controls.	In compliance	SLAC has a SSP and Cybersecurity Plan and has identified all PPA areas and PL-6 areas which includes areas where SLAC has limited hazardous material.	N/A	N/A	N/A	N/A
4-II-5.g	Maintain effective monitoring, communications, and warning systems.	In compliance	SLAC has protocols for monitoring alarms.	N/A	N/A	N/A	N/A
4-II-5.h	Ensure proper security training of facility personnel specific to the assets being protected	In compliance	SLAC has documented protocols for security officers that cover all assets on site.	N/A	N/A	N/A	N/A

**Attachment 5 – Physical Protection of PL 1-4 Assets**

The intent of this Attachment is to prescribe the physical protection requirements for PL-1 through PL-4 assets. These requirements are in addition to those physical protection requirements outlined in Attachments 2 and 6.

§	Requirements from Attachment 5 – Physical Protection of PL 1-4 Assets	Compliance Status	Method of Compliance	Deliverables* (managed through <a href="#">SLACTrak</a> )			
				Item	Frequency	Due Date(s)	Recipient (e.g., SSO)

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5	Attachment 5 – Physical Protection of PL 1-4 Assets	N/A	SLAC does not have any PL-1 to PL-5 assets.	N/A	N/A	N/A	N/A
5-I	Chapter I. Protection of PL-1 Through PL-4 Assets	N/A	SLAC does not have any PL-1 to PL-5 assets.	N/A	N/A	N/A	N/A
5-II	Chapter II. Inspection Programs	N/A	SLAC does not have classified material or work and it does not have any PL-1 to PL-5	N/A	N/A	N/A	N/A

**Site Compliance Plan (8/17/2022)**

§	Requirements from Attachment 5 – Physical Protection of PL 1-4 Assets	Compliance Status	Method of Compliance	Deliverables* (managed through <a href="#">SLACTrak</a> )			
				Item	Frequency	Due Date(s)	Recipient (e.g., SSO)
			assets.				
5-III	Chapter III. Secure Storage	N/A	SLAC does not have any secure storage areas.	N/A	N/A	N/A	N/A
5-IV	Chapter IV. Protective Force Posts	N/A	SLAC does not have an armed protective force. We have “observe and report” officers who follow established security protocols/policies.	N/A	N/A	N/A	N/A
5-V	Chapter V. Barriers	N/A	SLAC does not have any PL-1 to PL-5 assets.	N/A	N/A	N/A	N/A
5-VI	Chapter VI. Protection During Transportation	N/A	SLAC does not have any PL-1 to PL-5 assets.	N/A	N/A	N/A	N/A

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DOE Order O 473.1A – Physical Protection Program (8/30/2021)

Attachment 6 – Physical Protection Systems

The intent of this Attachment is to provide the requirements for physical protection (PP) systems, including Physical Access Control Systems (PACS), Intrusion Detection Systems (IDS), Video Assessment and Surveillance Systems, PP Systems Testing, PP Systems Maintenance, Security Communications, Security Electrical Power and Lighting, and Security Data Transmission and Line Supervision consistent with applicable National drivers and standards

Table with 8 columns: §, Requirements from Attachment 6 – Physical Protection Systems, Compliance Status, Method of Compliance, Deliverables\* (managed through SLACTrak), Item, Frequency, Due Date(s), Recipient (e.g., SSO). Row 1: 6, Attachment 6 – Physical Protection Systems, In compliance, SLAC has established physical protection systems (PPS) that are covered in the DOEapproved site security plan (SSP). SLAC has created and implemented PPS, N/A, N/A, N/A, N/A.

Site Compliance Plan (8/17/2022)

Table with 8 columns: §, Requirements from Attachment 6 – Physical Protection Systems, Compliance Status, Method of Compliance, Deliverables\* (managed through SLACTrak), Item, Frequency, Due Date(s), Recipient (e.g., SSO). Row 1: §, Requirements from Attachment 6 – Physical Protection Systems, Compliance Status, protocols/procedures., Item, Frequency, Due Date(s), Recipient (e.g., SSO).

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6-I	Chapter I. Physical Access Control Systems	In compliance	<p>SLAC has established physical protection systems (PPS) that are covered in the DOE approved site security plan (SSP).</p> <p>SLAC doesn't physically possess classified information or special nuclear materials in quantities greater than Category IV and attractiveness Level C per DOE Order 474.2.</p> <p>SLAC has developed security alarm/response protocols and has a video assessment and surveillance system. The plans also cover maintenance and testing.</p> <p><b>This covers section 6-I to 6-V.</b></p>	N/A	N/A	N/A	N/A
6-II	Chapter II. Intrusion Detection Systems	N/A	<p>SLAC has created internal alarm protocols and procedures that are implemented on site. This is standard practice for protection of property and employees.</p>	N/A	N/A	N/A	N/A
6-III	Chapter III. Video Assessment and Surveillance Systems (VASS)	N/A	<p>SLAC has created protocols that are implemented site wide. SLAC has a security system engineer who is responsible for ensuring all access/security/video systems are operational</p>	N/A	N/A	N/A	N/A
6-IV	Chapter IV. IDS and Screening Equipment Testing	N/A	<p>SLAC has created protocols that are implemented site wide. SLAC has a security system engineer who is responsible for ensuring all access/security/video systems</p>	N/A	N/A	N/A	N/A

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§	Requirements from Attachment 6 – Physical Protection Systems	Compliance Status	Method of Compliance	Deliverables* (managed through <a href="#">SLACTrak</a> )			
				Item	Frequency	Due Date(s)	Recipient (e.g., SSO)
			are operational				
6-V	Chapter V. Physical Security System Maintenance	N/A	The SLAC security system engineer works directly with SLAC IT and has a program in place to ensure all security systems are operational 24/7.	N/A	N/A	N/A	N/A
6-VI	Chapter VI. Security Communications	N/A	SLAC does not possess any classified work/material and does not have any secured communications.	N/A	N/A	N/A	N/A
6-VII	Chapter VII. Security Electrical Power and Lighting	N/A	SLAC does not possess any classified work/material and does not have any secured communications.  Security conducts a site-wide security lighting assessment and files a report which covers all PPA areas and PL-6 to PL-8 areas. The report is documented and submitted to the Facilities and Operations Division.	N/A	N/A	N/A	N/A
6-VIII	Chapter VIII. Security Data Transmission and Line Supervision	In compliance	SLAC has a DOE-approved cyber security program.	N/A	N/A	N/A	N/A

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DOE Order O 473.1A – Physical Protection Program (8/30/2021)

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**Attachment 7 – Physical Protection Program Definitions**

§	Requirements from Attachment 7 – Physical Protection Program Definitions	Compliance Status	Method of Compliance	Deliverables* (managed through <a href="#">SLACTrak</a> )			
				Item	Frequency	Due Date(s)	Recipient (e.g., SSO)
7	Attachment 7 – Physical Protection Program Definitions	No Requirement					

**Attachment 8 – Physical Protection Program References**

§	Requirements from Attachment 8 – Physical Protection Program References	Compliance Status	Method of Compliance	Deliverables* (managed through <a href="#">SLACTrak</a> )			
				Item	Frequency	Due Date(s)	Recipient (e.g., SSO)
8	Attachment 8 – Physical Protection Program References	No Requirement					

**Definitions**

Terms commonly used in the program are defined in the AU Policy Information Resource website, <https://pir.doe.gov/>. Additional, technical definitions are given in Attachment 7 of the order.

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Approvals

Name	Title	Signature	Date
Simon Ovrachim	Security Manager	<i>Simon Ovrachim</i>	8/17/2022
Nancy Maté	Cyber and Physical Security Manager, SSO		8/18/2022
Hanley Lee	Head of Field Element, SSO		8/18/2022

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Revision History

Revision	Revision Date	Summary of Change(s)
R0	8/17/2022	Original release.





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**[DOE Order O 473.1A – Physical Protection Program \(8/30/2021\)](#)**