

Department of Energy

Office of Science Washington, DC 20585

JAN 2 7 2017

Dr. Chi-Chang Kao Director SLAC National Accelerator Facility 2575 Sand Hill Road Menlo Park, California 94025

Dear Dr. Kao:

It is a pleasure to inform you that Stanford University (SU) at the Department of Energy (DOE) SLAC National Accelerator Laboratory (SLAC) has successfully completed the DOE Earned Value Management System (EVMS Acceptance Review process. As a result of the independent surveillance review conducted and the corrective actions taken by SU SLAC, it has been determined that the EVMS continues to meet the requirements of the Electrical Industries Alliance (EIA)-748.

To verify EVMS compliance, an independent surveillance/EVMS acceptance review was conducted at SLAC on September 7-9, 2016, to determine if the SU SLAC EVMS met the EIA requirements.

During the review, the surveillance committee identified four Corrective Action Requests (CARs) and nine Continuous Improvement Opportunities (CIO / CIO*), including:

Corrective Action Requests – Non-compliance of the ANSI Standard or the System Description. Requires a corrective action.

CAR-01	Implement WBS Dictionary modifications resulting from Baseline
	Change Requests in a timely manner (LSSTCam—Repeat of CAR-01
	at February 2016 surveillance review)

- CAR-02 Address incorrect, high float values due to missing logic and status techniques (LCLS-II)
- CAR-03 Define current period variance thresholds (LCLS-II) and perform current period variance analysis (LSSTCam)
- CAR-04 Improve variance analysis reporting quality (LSSTCam, LCLS-II)

Continuous Improvement Opportunities *-A violation corrected during the review, is non-systematic, or found to be significant. Requires a corrective action.

- CIO-01* Clarify wording in system description regarding the "reporting period plus two periods" requirement and expectations (LSSTCam, LCLS-II)
- CIO-02* Improve supporting documentation for percent-complete earned value techniques

Continuous Improvement Opportunities – Enhancements, observations or other suggested improvements. No corrective action required.

CIO-01	Revise documentation to clarify use of Management Reserve
CIO-02	Improve variance analysis report quality
CIO-03	Clarify requirement for updating Work Authorization Documents
	(LSSTCam, LCLS-II)
CIO-04	Follow documented Estimate at Complete process (LCLS-II), enhance
	Control Account Manager (CAM) training (LCLS-II), CAM
	communication (LCLS-II), and reporting (LSSTCam, LCLS-II)
CIO-05	Estimate-at-Complete CAM training, communication, and documentation
	is needed
CIO-06	Improve supporting documentation for percent-complete earned value
	techniques
CIO-07	As a best practice, provide justification/reasons for lags and constraints
	within the schedule (LCLS-II)

SU SLAC provided a Corrective Action Plan dated December 2016 to address the CAR and CIOs/CIO*s. The actions proposed and undertaken by SU SLAC in the Corrective Action Plan are acceptable.

OPA urges you to continue to maintain the high level of compliance that your staff demonstrated to the EVMS surveillance committee during the on-site review and CAR resolution process to ensure continuing EIA compliance and valid EVMS certification.

Sincerely,

Hy hen W Meason

Stephen W. Meador

Director

Office of Project Assessment

cc:

S. Binkley, SC-2

J. McBrearty, SC-4

H. Kung, SC-22

J. Murphy, SC-22

P. Kraushaar, SC-22

J. Siegrist, SC-25

M. Procario, SC-25

H. Marsiske, SC-25

K. Fisher, SC-28

E. Merrill, SC-28

P. Golan, SSO

H. Lee, SSO

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