CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT
FORMAT 5 - Explanations and Problem Analysis

FORM APPROVED
OMB No. 0704-0188

1. CONTRACTOR	**2. CONTRACT**		**3. PROGRAM**	**4. REPORT PERIOD**
a. NAME Princeton University-Plasma Physics Lab	**a. NAME** DOE-SC-OFES-NSTX Upgrade		**a. NAME** NSTX Upgrade Project	**a. FROM (YYYYMMDD)** 2014 / 02 / 01
b. LOCATION (Address and ZIP Code) Princeton, New Jersey	**b. NUMBER** DE-AC02-09CH11466		**b. PHASE** CD-3	**b. TO (YYYYMMDD)** 2014 / 02 / 28
	c. TYPE M&O	**d. SHARE RATIO**	**c. EVMS ACCEPTANCE** No X Yes YYYYMMDD 2011 / 12 / 20	

5. Evaluation

6100 Control Sys Data Acquisition (Sichta)

	Budget	Earned	Actuals	SV in $	SV in %	CV in $	CV in %	SPI	CPI
Current:	102	11	22	-91	-89%	-11	-101%	0.11	0.50
Cumulative:	684	487	412	-197	-29%	75	15%	0.71	1.18
	BAC	**EAC**	**VAC in $**	**VAC in %**	**TCPI to BAC**	**TCPI to EAC**			
At Complete:	994	924	70	7%	0.46	1.92			

Explanation of Variance/Description of Problem:
A number of activities have contributed to this variance, notably late procurement of networking equipment and several programming tasks, in particular CAMAC replacement work and Power Supply control (PSRTC) software.

Impact:
Late procurements: no impact. If PSRTC is delivered too late, certain aspects of the power supply rectifier testing will be impacted. Actual impact to be determined after a schedule for PSRTC has been developed, which can be developed after a successful CDR. CAMAC replacement software's late start will not impact the project schedule.

Corrective Action:
The requisition for the majority of the networking equipment has been placed, with delivery (costing) anticipated in March, the balance in April. Regarding the PSRTC programming, 1) the key designer has been partially released from DCPS, so can begin PSRTC conceptual design, 2) still waiting for PSRTC requirements document from FCPC engineering group , 3) pending a requirements document, hold a CDR. CAMAC Replacement software has been and will continue to be deferred in order to service higher priority work; several people in group can do this work so progress can be rapid once people are available.

Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s):
A schedule variance has occurred due to late-finish on about 6 tasks due to personnel being diverted to other higher-priority NSTX-U work. Delayed delivery of networking equipment has no effect upon CD-4 schedule. The PSRTC design effort has just begun, at a minimal rate,; the CAMAC software should start in April.

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Date: