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 / 03 / 01
b. LOCATION (Address and ZIP Code) Princeton, New Jersey	b. NUMBER DE-AC02-09CH11466		b. PHASE CD-3	b. TO (YYYYMMDD) 2014 / 03 / 31
	c. TYPE M&O	d. SHARE RATIO	c. EVMS ACCEPTANCE No X Yes (YYYYMMDD 2011 / 12 / 20	

5. Evaluation

6100 Job: 6100 - Control Sys Data Acquisition -SICHTA

	Budget	Earned	Actuals	SV in $	SV in %	CV in $	CV in %	SPI	CPI
Current:	103	21	30	-82	-80%	-9	-44%	0.20	0.70
Cumulative:	788	508	442	-280	-36%	66	13%	0.64	1.15
	BAC	**EAC**	**VAC in $**	**VAC in %**	**TCPI to BAC**	**TCPI to EAC**			
At Complete:	994	933	61	6%	0.40	1.44			

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 software requirements are approved and a successful CDR. CAMAC replacement software's late start will not impact the project schedule.

Corrective Action:

The network and data acquisition ($130k) has been delivered, so this will improve next month's CV. A weekly technical PSRTC meeting has been established to elicit information from power engineerin required for maturing the software conceptual design. 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 is anticipated to 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 late-delivery of equipment and 6100-personnel being assigned to higher-priority NSTX-U work. The PSRTC software is very late starting; the design effort has just begun and a weekly technical meeting will engage software, power engineering, and the magneto-boss.

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