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) 2012 / 07 / 01
b. LOCATION (Address and ZIP Code) Princeton, New Jersey	b. NUMBER DE-AC02-09CH11466		b. PHASE CD-3	b. TO (YYYYMMDD) 2012 / 07 / 31
	c. TYPE M&O	d. SHARE RATIO	c. EVMS ACCEPTANCE No X Yes (YYYYMMDI 2011 / 12 / 20	

5. Evaluation

1.1 / 1304 Inner TF Bundle

	Budget	Earned	Actuals	SV in $	SV in %	CV in $	CV in %	SPI	CPI
Current:	238	1	-51	-237	-100%	52	4509%	0.00	-
Cumulative:	1,861	1,525	1,837	-336	-18%	-312	-20%	0.82	0.83
	BAC	**EAC**	**VAC in $**	**VAC in %**	**TCPI to BAC**	**TCPI to EAC**			
At Complete:	3,642	3,953	-312	-9%	1.17	1.00			

Explanation of Variance/Description of Problem:
The development time for the soldering operations have greatly exceeded the planning budgets. The more elaborate heating and control systems was costly. This includes the installation of a new air handling system for the soldering operations. Additional costs for straightening the TF conductors was also a contributing factor.

Impact:
The delay in receipt of TF conductors form Major Tool/EWI will have a project schedule impact. The soldering development and learning times were quite long but are not contributing to delay in schedule since TF conductors were delayed.

Corrective Action:
Soldering plans and procedures have been finalized and production activities are moving forward.

Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s):
The new soldering system and soldering materials contibuted to the additional costs. Outside soldering consultant and development of solding system were the primary cause of cost overruns. Soldering plans and procedures have been finalized and production activities are moving forward.

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Job was recently re-estimated and documented to ECP-045