

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT FORMAT 1 - WORK BREAKDOWN STRUCTURE															FORM APPROVED OMB No. 0704-0188					
DOLLARS IN															Thousands of \$					
<b>1. CONTRACTOR</b>					<b>2. CONTRACT</b>					<b>3. PROGRAM</b>					<b>4. REPORT PERIOD</b>					
a. NAME Princeton University-Plasma Physics Lab					a. NAME DOE-SC-OFES-NSTX Upgrade					a. NAME NSTX Upgrade Project					a. FROM (YYYYMMDD)  2012 / 08 / 01					
b. LOCATION (Address and ZIP Code) Princeton, New Jersey					b. NUMBER DE-AC02-09CH11466					b. PHASE CD-3					b. TO (YYYYMMDD)  2012 / 08 / 31					
					c. TYPE M&O					c. EVMS ACCEPTANCE NO <input type="checkbox"/> X YES <input checked="" type="checkbox"/> (YYYYMMDD) 2011 / 12 / 20										
d. SHARE RATIO																				
<b>5. CONTRACT DATA</b>																				
a. QUANTITY	b. NEGOTIATED COST	c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK	d. TARGET PROFIT/FEE	e. TARGET PRICE	f. ESTIMATED PRICE	g. CONTRACT CEILING	h. ESTIMATED CONTRACT CEILING	i. DATE OF OTB/OTS (YYYYMMDD)												
1	82,314	0	0	82,314	0	0	0													
<b>6. ESTIMATED COST AT COMPLETION</b>																				
MANAGEMENT ESTIMATE AT COMPLETION (1)			CONTRACT BUDGET BASE (2)			VARIANCE (3)			<b>7. AUTHORIZED CONTRACTOR REPRESENTATIVE</b>											
a. BEST CASE			0						a. NAME (Last, First, Middle Initial) Ronald Strykowski						b. TITLE Project Manager					
b. WORST CASE			0						c. SIGNATURE									d. DATE SIGNED (YYYYMMDD)		
c. MOST LIKELY			82,314			82,314														
<b>8. PERFORMANCE DATA</b>																				
WBS (3)  ITEM (1)	CURRENT PERIOD						CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION					
	BUDGETED COST		ACTUAL COST WORK PERFORMED		VARIANCE		BUDGETED COST		ACTUAL COST WORK PERFORMED		VARIANCE		COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)		
	WORK SCHEDULED (2)	WORK PERFORMED (3)	COST WORK PERFORMED (4)	SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)	COST WORK PERFORMED (9)	SCHEDULE (10)	COST (11)										
1.1 Torus Systems	658	533	623	-125	-89	12,630	12,776	15,232	146	-2,456	0	0	0	22,946	25,502	-2,556				
1.2 Plasma Heating and Current T	693	579	486	-114	93	8,142	11,198	10,031	3,056	1,167	0	0	0	23,151	22,348	802				
1.3 Auxiliary Systems	0	0	0	0	0	120	162	108	42	54	0	0	0	377	322	55				
1.4 Plasma Diagnostics	65	63	40	-3	22	1,238	1,204	1,312	-33	-108	0	0	0	1,785	2,106	-321				
1.5 Power Systems	168	191	81	23	110	3,333	3,358	3,234	25	124	0	0	0	9,387	10,825	-1,437				
1.6 Central Instrumentation & Co	1	5	5	4	0	174	219	244	45	-25	0	0	0	956	980	-24				
1.7 Project Support & Integration	441	387	242	-54	144	8,975	8,921	8,064	-54	857	0	0	0	14,737	14,279	458				
1.8 Site Preparation and Torus As	223	165	175	-58	-10	2,735	2,913	2,865	179	48	0	0	0	8,975	8,927	48				
b. COST OF MONEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
c. GENERAL AND ADMINISTRATIVE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
d. UNDISTRIBUTED BUDGET	0																			
e. SUBTOTAL	2,249	1,923	1,652	-326	270	37,346	40,752	41,089	3,405	-338	0	0	0	82,314	85,289	-2,975				
f. MANAGEMENT RESERVE	0																			
g. TOTAL	2,249	1,923	1,652	-326	270	37,346	40,752	41,089	3,405	-338	0	0	0	82,314						
<b>9. RECONCILIATION TO CONTRACT BUDGET BASELINE</b>																				
a. VARIANCE ADJUSTMENT																				
b. TOTAL CONTRACT VARIANCE																				
										3,405		-338		82,314		85,289		-2,975		

CLASSIFICATION (When Filled In)

Report Options

Criteria: WBS (3)

Calendar: 18 Required Set

Cost Sets: Scheduled, Performed, Actuals, Est. At Complete, , , Over target baseline

CLASSIFICATION (When Filled In)

**CONTRACT PERFORMANCE REPORT  
FORMAT 2 - ORGANIZATIONAL CATEGORIES**

DOLLARS IN Thousands of \$ FORM APPROVED OMB No. 0704-0188

<b>1. CONTRACTOR</b>		<b>2. CONTRACT</b>		<b>3. PROGRAM</b>		<b>4. REPORT PERIOD</b>	
a. NAME Princeton University-Plasma Physics Lab		a. NAME DOE-SC-OFES-NSTX Upgrade		a. NAME NSTX Upgrade Project		a. FROM (YYYYMMDD) 2012 / 08 / 01	
b. LOCATION (Address and ZIP Code) Princeton, New Jersey		b. NUMBER DE-AC02-09CH11466		b. PHASE CD-3		b. TO (YYYYMMDD) 2012 / 08 / 31	
c. TYPE M&O		d. SHARE RATIO		c. EVMS ACCEPTANCE NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> (YYYYMMDD) 2011 / 12 / 20			

OBS (3)	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL COST WORK PERFORMED (4)	VARIANCE		BUDGETED COST		ACTUAL COST WORK PERFORMED (9)	VARIANCE		COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
	WORK SCHEDULED (2)	WORK PERFORMED (3)		SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)		SCHEDULE (10)	COST (11)						
ITEM (1)																
1000 CSU Analytical Support (Dudek)	17	17	7	0	11	295	295	357	0	-62	0	0	0	705	767	-62
1001 CS Plasma Facing Components (Tresemer)	31	63	47	32	16	1,138	1,189	1,032	52	157	0	0	0	2,346	2,230	115
1002 Passive Plate Analysis & Upgrade (Atnafu)	8	0	0	-8	0	442	428	448	-14	-20	0	0	0	442	463	-21
1200 Structures & Supports (Smith)	10	111	127	100	-17	2,326	3,165	4,036	840	-870	0	0	0	3,723	4,624	-901
1300 Center Stack (Chrzanowski)	90	90	66	0	24	794	794	769	0	25	0	0	0	1,778	1,753	25
1301 Outer TF Coils (Chrzanowski)	0	63	72	63	-9	39	113	150	74	-37	0	0	0	471	508	-37
1302 Center Stack Assembly (Chrzanowski)	20	0	0	-20	0	47	27	30	-20	0	0	0	0	870	872	-2
1303 TF Joint Test Stand & Test (CLOSED)	0	0	0	0	0	353	353	225	0	128	0	0	0	353	225	128
1304 Inner TF Bundle (Chrzanowski)	122	24	45	-98	-22	1,983	1,549	1,883	-434	-334	0	0	0	3,642	3,976	-334
1305 Ohmic Heating Coil (Chrzanowski)	305	127	227	-179	-101	3,655	3,436	4,566	-218	-1,130	0	0	0	5,954	7,110	-1,156
1306 Inner PF Coils (Chrzanowski)	55	0	2	-55	-2	372	265	398	-107	-133	0	0	0	838	971	-133
1307 CS Casing Assembly (Chrzanowski)	0	39	29	39	10	744	718	896	-26	-178	0	0	0	1,384	1,562	-178
1310 CSU Magnets Systems (CLOSED)	0	0	0	0	0	442	442	442	0	0	0	0	0	442	442	0
3200 Water Cooling System Mods (Atnafu)	0	0	0	0	0	74	68	38	-6	31	0	0	0	195	165	31
3300 Bakeout System Mods CSU (Raki)	0	0	0	0	0	5	55	39	50	15	0	0	0	79	63	16
3400 Gas Delivery System Mods (Blanchard)	0	0	0	0	0	41	39	31	-2	8	0	0	0	102	94	8
4100 Center Stack Diagnostics (Kaika)	33	9	12	-24	-3	366	460	337	93	123	0	0	0	836	764	72
4500 MPTS VV Modification (Labik)	33	53	28	21	26	871	745	975	-127	-231	0	0	0	949	1,342	-393
5000 CSU Power Systems (Raki)	44	118	55	73	62	2,005	2,218	2,101	213	117	0	0	0	5,735	6,206	-471
5200 DPCS (Hatcher)	123	73	25	-50	48	947	760	805	-188	-45	0	0	0	2,521	2,690	-169
5501 Coil Bus Runs (Smith)	0	0	0	0	0	380	380	328	0	53	0	0	0	1,131	1,929	-797
6100 Control Sys Data Acquisition (Sichta)	1	5	5	4	0	174	219	244	45	-25	0	0	0	956	980	-24
7200 Center Stack Management (Dudek)	74	20	19	-54	2	863	810	840	-54	-31	0	0	0	1,539	1,570	-32
8200 CS & Coil Supt Struct Install (Perry)	176	118	141	-58	-23	2,144	2,323	2,379	179	-57	0	0	0	6,464	6,521	-57
8210 Field Supervision & Oversight (Perry)	47	47	33	0	14	531	531	484	0	47	0	0	0	1,488	1,441	48
8250 Remove/Install Centerstack (Perry)	0	0	0	0	0	60	60	2	0	58	0	0	0	1,023	965	58
2300 ECH Analysis (CLOSED)	0	0	0	0	0	84	84	29	0	55	0	0	0	84	29	55
2420 2nd NBI Sources (CLOSED)	0	0	0	0	0	4	99	62	95	37	0	0	0	99	62	37
2425 BL Relocation (Atnafu)	124	26	14	-98	11	899	514	442	-386	72	0	0	0	1,803	1,731	72
2430 2nd NBI Decontamination (CLOSED)	0	0	0	0	0	2,057	2,057	2,070	0	-13	0	0	0	2,057	2,070	-13
2440 2nd NBI Beamline (Cropper)	44	66	58	22	8	1,262	1,446	1,022	185	424	0	0	0	2,369	1,910	459
2450 2nd NBI Services (Atnafu)	57	219	71	162	149	620	1,097	947	477	150	0	0	0	4,506	4,356	150
2460 2nd NBI Armor (Tresemer)	0	0	13	0	-13	392	585	661	193	-76	0	0	0	700	776	-76
2470 2nd NBI Power (Raki)	2	98	62	96	36	302	1,028	687	726	341	0	0	0	3,335	3,224	111
2475 2nd NBI Controls (Cropper)	298	48	24	-250	24	641	1,317	1,206	676	111	0	0	0	2,287	2,344	-57
2480 2nd NBI/TVPS Duct (Blanchard)	24	78	138	55	-59	511	1,202	1,331	691	-129	0	0	0	1,952	2,081	-129
2485 Vacuum Pumping System (Blanchard)	0	0	1	0	-1	90	162	235	71	-73	0	0	0	388	461	-73
2490 NTC Equipment Relocations (Perry)	143	44	106	-99	-62	1,280	1,606	1,339	326	267	0	0	0	3,571	3,304	267
7300 NB2 Management (Stevenson)	11	11	18	0	-7	586	586	544	0	42	0	0	0	1,278	1,237	41
7400 Health Physics Support (Stevenson)	99	99	53	0	46	1,645	1,645	1,028	0	617	0	0	0	2,507	1,890	617
7100 Project Management & Integration (Strykowski)	219	219	124	0	95	3,852	3,852	3,928	0	-76	0	0	0	6,412	6,886	-474
7710 NSTX-U HP and Other Allocations (Strykowski)	37	37	29	0	8	2,021	2,021	1,719	0	302	0	0	0	2,922	2,620	302
7900 Integrated System (Gentile)	0	0	0	0	0	7	7	4	0	3	0	0	0	78	75	3
b. COST OF MONEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c. GENERAL AND ADMINISTRATIVE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
d. UNDISTRIBUTED BUDGET														0	0	0
e. SUBTOTAL (Performance Measurement Baseline)	2,249	1,923	1,652	-326	270	37,346	40,752	41,089	3,405	-338	0	0	0	82,314	85,289	-2,975
f. MANAGEMENT RESERVE														0		
g. TOTAL	2,249	1,923	1,652	-326	270	37,346	40,752	41,089	3,405	-338	0	0	0	82,314		

CLASSIFICATION (When Filled In)

CLASSIFICATION (When Filled In)

**CONTRACT PERFORMANCE REPORT  
FORMAT 2 - ORGANIZATIONAL CATEGORIES**

DOLLARS IN Thousands of \$

FORM APPROVED

OMB No. 0704-0188

<b>1. CONTRACTOR</b>		<b>2. CONTRACT</b>		<b>3. PROGRAM</b>		<b>4. REPORT PERIOD</b>	
a. NAME Princeton University-Plasma Physics Lab		a. NAME DOE-SC-OFES-NSTX Upgrade		a. NAME NSTX Upgrade Project		a. FROM (YYYYMMDD)  8/1/2012	
b. LOCATION (Address and ZIP Code) Princeton, New Jersey		b. NUMBER DE-AC02-09CH11466		b. PHASE CD-3		b. TO (YYYYMMDD)  8/31/2012	
c. TYPE M&O		d. SHARE RATIO		c. EVMS ACCEPTANCE NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> (YYYYMMDD) 2011 / 12 / 20			

OBS (2)	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL COST WORK PERFORMED (4)	VARIANCE		BUDGETED COST		ACTUAL COST WORK PERFORMED (9)	VARIANCE		COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
	WORK SCHEDULED (2)	WORK PERFORMED (3)		SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)		SCHEDULE (10)	COST (11)						
ITEM (1)																
CS Center Stack	\$1,189.49	\$976.95	\$941.83	-213	35	21,093	21,442	23,835	349	-2,392	0	0	0	45,966	50,232	-4,267
NB Neutral Beam	\$802.80	\$689.27	\$557.13	-114	132	10,373	13,429	11,604	3,056	1,825	0	0	0	26,936	25,476	1,460
PM Project Management	\$256.28	\$256.28	\$153.12	0	103	5,880	5,880	5,651	0	229	0	0	0	9,412	9,581	-168
<b>b. COST OF MONEY</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>c. GENERAL AND ADMINISTRATIVE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>d. UNDISTRIBUTED BUDGET</b>														\$0.00	\$0.00	0
<b>e. SUBTOTAL (Performance Measurement Baseline)</b>	\$2,248.57	\$1,922.50	\$1,652.07	-326	270	\$37,346.37	\$40,751.65	\$41,089.23	3,405	-338	\$0.00	\$0.00	\$0.00	82,314	\$85,289.09	-2,975
<b>f. MANAGEMENT RESERVE</b>														\$0.00		
<b>g. TOTAL</b>	2,249	1,923	1,652	-326	270	37,346	40,752	41,089	3,405	-338	0	0	0	82,314		

CLASSIFICATION (When Filled In)

**Report Options**  
 Criteria: OBS (2)  
 Calendar Set: 18 Required Set  
 Cost Sets: Scheduled, Performed, Actuals, Est. At Complete, , , Over target baseline

Baseline

CLASSIFICATION (When Filled In)															
CONTRACT PERFORMANCE REPORT FORMAT 3 - BASELINE												FORM APPROVED			
DOLLARS IN Thousands of \$												OMB No. 0704-0188			
The public reporting burden for this collection of information is estimated to average 5.0 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Executive Services Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.															
<b>1. CONTRACTOR</b>			<b>2. CONTRACT</b>				<b>3. PROGRAM</b>				<b>4. REPORT PERIOD</b>				
a. NAME Princeton University-Plasma Physics Lab			a. NAME DOE-SC-OFES-NSTX Upgrade				a. NAME NSTX Upgrade Project				a. FROM (YYYYMMDD)  2012 / 08 / 01				
b. LOCATION (Address and ZIP Code) Princeton, New Jersey			b. NUMBER DE-AC02-09CH11466		b. PHASE CD-3		b. TO (YYYYMMDD)  2012 / 08 / 31								
			c. TYPE M&O		d. SHARE RATIO		c. EVMS ACCEPTANCE NO <input type="checkbox"/> X <input checked="" type="checkbox"/> YES (YYYYMMDD) 2011 / 12 / 20								
<b>5. CONTRACT DATA</b>															
a. ORIGINAL NEGOTIATED COST 77,317			b. NEGOTIATED CONTRACT CHANGES 4,997		c. CURRENT NEGOTIATED COST (a. + b.) 82,314		d. ESTIMATED COST OF AUTHORIZED UNPRICED WORK 0		e. CONTRACT BUDGET BASE (c. + d.) 82,314		f. TOTAL ALLOCATED BUDGET 0		g. DIFFERENCE (e. - f.) 82,314		
h. CONTRACT START DATE (YYYYMMDD) 2009/02/23			i. CONTRACT DEFINITIZATION DATE (YYYYMMDD)			j. PLANNED COMPLETION DATE (YYYYMMDD) 2015/09/29			k. CONTRACT COMPLETION DATE (YYYYMMDD)		l. ESTIMATED COMPLETION DATE (YYYYMMDD) 2015/09/29				
<b>6. PERFORMANCE DATA</b>															
Contract Change Number  ITEM (1)	BCWS CUMULATIVE TO DATE (2)	BCWS FOR REPORT PERIOD (3)	BUDGETED COST FOR WORK SCHEDULED (BCWS) (Non-Cumulative)											UNDISTRIBUTED BUDGET (15)	TOTAL BUDGET (16)
			SIX MONTH FORECAST (Enter names of months)						ENTER SPECIFIED PERIODS						
			+1 30SEP2012 (4)	+2 31OCT2012 (5)	+3 30NOV2012 (6)	+4 31DEC2012 (7)	+5 31JAN2013 (8)	+6 28FEB2013 (9)	31MAR2013 (10)	30APR2013 (11)	31MAY2013 (12)	30JUN2013 (13)	31JUL2013 (14)		
a. PERFORMANCE	35,098	2,249	1,856	2,482	2,280	1,947	2,347	1,853	1,552	1,719	1,811	1,372	2,073	0	82,108
b. BASELINE CHANGES AUTHORIZED DURING REPORTING PERIOD															
ECP-048															169
ECP-050															38
ECP-052															-1
c. PERFORMANCE MEASUREMENT BASELINE (End of Period)	37,346		1,858	2,720	2,298	1,921	2,325	1,835	1,533	1,713	1,813	1,373	2,088	0	82,314
<b>7. MANAGEMENT RESERVE</b>															0
<b>8. TOTAL</b>															82,314

CLASSIFICATION (When Filled In)

**Report Options**

Criteria: Contract Change Number  
Calendar: 19 Required Set  
Cost Sets: Scheduled

