

CLASSIFICATION (When Filled In)

**CONTRACT PERFORMANCE REPORT  
FORMAT 1 - WORK BREAKDOWN STRUCTURE**

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) 2013 / 02 / 01		
b. LOCATION (Address and ZIP Code) Princeton, New Jersey		b. NUMBER DE-AC02-09CH11466		b. PHASE CD-3			b. TO (YYYYMMDD) 2013 / 02 / 28		
		c. TYPE M&O	d. SHARE RATIO	c. EVMS ACCEPTANCE NO <input type="checkbox"/> X YES <input checked="" type="checkbox"/> (YYYYMMDD) 2011 / 12 / 20					

<b>5. CONTRACT DATA</b>									
a. QUANTITY 1	b. NEGOTIATED COST 83,478	c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK 0	d. TARGET PROFIT/FEE 0	e. TARGET PRICE 83,478	f. ESTIMATED PRICE 0	g. CONTRACT CEILING 0	h. ESTIMATED CONTRACT CEILING 0	i. DATE OF OTB/OTS (YYYYMMDD)	

<b>6. ESTIMATED COST AT COMPLETION</b>				<b>7. AUTHORIZED CONTRACTOR REPRESENTATIVE</b>					
MANAGEMENT ESTIMATE AT COMPLETION (1)		CONTRACT BUDGET BASE (2)		VARIANCE (3)		a. NAME (Last, First, Middle Initial) Ronald Strykowski		b. TITLE Project Manager	
a. BEST CASE 0						c. SIGNATURE		d. DATE SIGNED (YYYYMMDD)	
b. WORST CASE 0									
c. MOST LIKELY 0		83,478		83,478					

<b>8. PERFORMANCE DATA</b>																		
WBS (3)	CURRENT PERIOD						CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION			
ITEM (1)	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	911	714	700	-198	14	18,135	16,167	18,725	-1,968	-2,558	0	0	0	0	0	22,979	25,607	-2,629
1.2 Plasma Heating and Current T	436	427	420	-9	6	11,196	13,700	12,633	2,504	1,067	0	0	0	0	0	23,435	22,452	984
1.3 Auxiliary Systems	0	0	4	0	-4	120	162	114	42	48	0	0	0	0	0	377	453	-76
1.4 Plasma Diagnostics	70	30	83	-40	-53	1,602	1,478	1,642	-124	-164	0	0	0	0	0	1,972	2,269	-297
1.5 Power Systems	184	126	178	-58	-52	4,574	4,220	4,175	-354	45	0	0	0	0	0	9,844	10,056	-212
1.6 Central Instrumentation & Co	2	4	8	2	-4	187	312	288	125	24	0	0	0	0	0	956	984	-28
1.7 Project Support & Integration	233	233	302	0	-68	10,446	10,446	9,419	0	1,028	0	0	0	0	0	14,371	13,929	443
1.8 Site Preparation and Torus As	243	261	204	18	57	3,897	3,776	3,955	-122	-179	0	0	0	0	0	9,544	10,075	-532
b. COST OF MONEY	0	0	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	0	0
d. UNDISTRIBUTED BUDGET																		
e. SUBTOTAL	2,080	1,795	1,900	-285	-105	50,158	50,261	50,952	103	-690	0	0	0	0	0	83,478	85,825	-2,347
f. MANAGEMENT RESERVE																		
g. TOTAL	2,080	1,795	1,900	-285	-105	50,158	50,261	50,952	103	-690	0	0	0	0	0	83,478		

<b>9. RECONCILIATION TO CONTRACT BUDGET BASELINE</b>																		
a. VARIANCE ADJUSTMENT																		
b. TOTAL CONTRACT VARIANCE																		
														103	-690	83,478	85,825	-2,347

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)  2013 / 02 / 01	
b. LOCATION (Address and ZIP Code) Princeton, New Jersey		b. NUMBER DE-AC02-09CH11466		b. PHASE CD-3		b. TO (YYYYMMDD)  2013 / 02 / 28	
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)	15	15	30	0	-14	389	389	442	0	-53	0	0	0	705	758	-53
1001 CS Plasma Facing Components (Tresemer)	232	255	72	23	183	1,803	1,656	1,246	-147	410	0	0	0	2,107	1,672	436
1002 Passive Plate Analysis & Upgrade (Atnafu)	42	41	10	-2	31	517	494	461	-23	33	0	0	0	639	606	33
1200 Structures & Supports (Smith)	128	24	91	-104	-68	3,301	3,528	4,268	227	-740	0	0	0	3,765	4,390	-625
1300 Center Stack (Chrzanowski)	69	69	138	0	-70	1,222	1,222	1,396	0	-173	0	0	0	1,778	2,122	-344
1301 Outer TF Coils (Chrzanowski)	0	25	6	25	19	400	188	232	-213	-44	0	0	0	471	514	-43
1302 Center Stack Assembly (Chrzanowski)	0	27	0	27	27	236	55	29	-181	25	0	0	0	872	847	25
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)	147	78	7	-69	70	2,820	2,299	2,382	-521	-82	0	0	0	3,610	3,692	-82
1305 Ohmic Heating Coil (Chrzanowski)	174	174	331	1	-156	5,008	4,188	6,056	-820	-1,867	0	0	0	6,009	7,919	-1,910
1306 Inner PF Coils (Chrzanowski)	60	0	0	-60	0	363	331	473	-32	-142	0	0	0	843	985	-142
1307 CS Casing Assembly (Chrzanowski)	44	6	15	-39	-9	1,279	1,021	1,074	-259	-53	0	0	0	1,384	1,437	-53
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	30	0	0	0	195	165	31
3300 Bakeout System Mods CSU (Raki)	0	0	4	0	-4	5	55	43	50	12	0	0	0	79	192	-113
3400 Gas Delivery System Mods (Blanchard)	0	0	0	0	0	41	39	34	-2	5	0	0	0	102	97	6
4100 Center Stack Diagnostics (Kaika)	33	0	4	-33	-4	595	565	449	-31	116	0	0	0	836	719	117
4500 MPTS VV Modification (Labik)	37	30	79	-7	-50	1,007	914	1,193	-93	-280	0	0	0	1,137	1,550	-414
5000 CSU Power Systems (Raki)	55	60	35	6	25	2,328	2,705	2,498	378	207	0	0	0	5,735	5,353	382
5200 DCPs (Hatcher)	74	61	124	-14	-63	1,642	999	1,185	-643	-186	0	0	0	2,523	2,790	-268
5501 Coil Bus Runs (Atnafu)	55	5	19	-50	-14	604	516	492	-89	23	0	0	0	1,586	1,913	-327
6100 Control Sys Data Acquisition (Sichta)	2	4	8	2	-4	187	312	288	125	24	0	0	0	956	984	-28
7200 Center Stack Management (Dudek)	72	72	45	0	26	1,023	1,023	977	0	46	0	0	0	1,482	1,491	-9
8200 CS & Coil Supt Struct Install (Perry)	185	219	172	34	48	2,978	2,936	3,290	-42	-354	0	0	0	7,094	7,801	-706
8210 Field Supervision & Oversight (Perry)	42	42	33	0	10	770	770	663	0	106	0	0	0	1,426	1,320	106
8250 Remove/Install Centerstack (Perry)	16	0	0	-16	0	149	70	2	-79	68	0	0	0	1,023	954	69
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	61	95	38	0	0	0	99	61	38
2425 BL Relocation (Atnafu)	104	74	40	-30	34	1,477	1,200	840	-277	360	0	0	0	1,803	1,443	360
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)	88	33	44	-55	-11	1,693	1,790	1,336	96	454	0	0	0	1,979	1,548	431
2450 2nd NBI Services (Atnafu)	39	90	103	52	-12	780	1,469	1,446	689	23	0	0	0	4,727	4,704	23
2460 2nd NBI Armor (Tresemer)	14	1	18	-13	-17	465	637	812	173	-175	0	0	0	761	898	-138
2470 2nd NBI Power (Raki)	9	29	34	20	-5	586	1,077	911	491	167	0	0	0	3,335	3,156	179
2475 2nd NBI Controls (Cropper)	106	14	28	-92	-14	1,464	1,594	1,310	130	284	0	0	0	2,611	2,361	250
2480 2nd NBI/TVPS Duct (Blanchard)	42	21	58	-21	-37	867	1,620	1,840	753	-219	0	0	0	2,117	2,471	-354
2485 Vacuum Pumping System (Blanchard)	0	122	39	122	83	90	291	299	201	-7	0	0	0	388	397	-9
2490 NTC Equipment Relocations (Perry)	34	41	56	7	-15	1,628	1,781	1,681	153	100	0	0	0	3,475	3,315	160
7300 NB2 Management (Stevenson)	19	19	8	0	11	700	700	615	0	84	0	0	0	1,103	1,019	84
7400 Health Physics Support (Stevenson)	28	28	92	0	-63	1,988	1,988	1,355	0	633	0	0	0	2,449	1,816	633
7100 Project Management & Integration (Strykowski)	83	83	123	0	-40	4,488	4,488	4,610	0	-122	0	0	0	6,412	7,062	-650
7710 NSTX-U HP and Other Allocations (Strykowski)	31	31	33	0	-2	2,239	2,239	1,857	0	382	0	0	0	2,847	2,466	381
7900 Integrated System (Gentile)	0	0	0	0	0	8	8	4	0	4	0	0	0	78	74	4
<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>																
<b>e. SUBTOTAL (Performance Measurement Baseline)</b>	2,080	1,795	1,900	-285	-105	50,158	50,261	50,952	103	-690	0	0	0	83,478	85,825	-2,347
<b>f. MANAGEMENT RESERVE</b>																
<b>g. TOTAL</b>	2,080	1,795	1,900	-285	-105	50,158	50,261	50,952	103	-690	0	0	0	83,478		

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)  2/1/2013				
b. LOCATION (Address and ZIP Code) Princeton, New Jersey				b. NUMBER DE-AC02-09CH11466				b. PHASE CD-3				b. TO (YYYYMMDD)  2/28/2013				
c. TYPE M&O				d. SHARE RATIO				c. EVMS ACCEPTANCE NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> (YYYYMMDD) 2011 / 12 / 20								

5. PERFORMANCE DATA																	
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	\$1,482.37	\$1,206.46	\$1,223.20	-276	-17	29,540	27,139	29,877	-2,401	-2,739	0	0	0	47,154	50,937	-3,783	
NB Neutral Beam	\$483.55	\$474.66	\$520.16	-9	-46	13,883	16,388	14,603	2,504	1,784	0	0	0	26,987	25,287	1,700	
PM Project Management	\$113.70	\$113.70	\$156.35	0	-43	6,735	6,735	6,471	0	264	0	0	0	9,337	9,602	-265	
<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>	\$2,079.63	\$1,794.82	\$1,899.70	-285	-105	\$50,158.23	\$50,261.26	\$50,951.63	103	-690	\$0.00	\$0.00	\$0.00	83,478	\$85,825.50	-2,347	
<b>f. MANAGEMENT RESERVE</b>														\$0.00			
<b>g. TOTAL</b>	2,080	1,795	1,900	-285	-105	50,158	50,261	50,952	103	-690	0	0	0	83,478			

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)  2013 / 02 / 01							
b. LOCATION (Address and ZIP Code) Princeton, New Jersey			b. NUMBER DE-AC02-09CH11466			b. PHASE CD-3			b. TO (YYYYMMDD)  2013 / 02 / 28							
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 6,161		c. CURRENT NEGOTIATED COST (a. + b.) 83,478		d. ESTIMATED COST OF AUTHORIZED UNPRICED WORK 0		e. CONTRACT BUDGET BASE (c. + d.) 83,478		f. TOTAL ALLOCATED BUDGET 0		g. DIFFERENCE (e. - f.) 83,478			
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 31MAR2013 (4)	+2 30APR2013 (5)	+3 31MAY2013 (6)	+4 30JUN2013 (7)	+5 31JUL2013 (8)	+6 31AUG2013 (9)	30SEP2013 (10)	31OCT2013 (11)	30NOV2013 (12)	31DEC2013 (13)	31JAN2014 (14)			
a. PERFORMANCE	48,079	2,080	1,573	1,859	2,001	1,505	2,258	2,059	2,166	3,215	2,469	1,655	2,233	0	83,313	
b. BASELINE CHANGES AUTHORIZED DURING REPORTING PERIOD ECP-072 ECP-074															0	165
c. PERFORMANCE MEASUREMENT BASELINE (End of Period)	50,158		1,640	2,000	2,302	1,772	2,584	2,207	2,028	3,100	2,379	1,579	2,123	0	83,478	
<b>7. MANAGEMENT RESERVE</b>																
<b>8. TOTAL</b>																

CLASSIFICATION (When Filled In)

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

