

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT FORMAT 1 - WORK BREAKDOWN STRUCTURE														FORM APPROVED OMB No. 0704-0188		
DOLLARS IN Thousands of \$																
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) 2013 / 08 / 01				
b. LOCATION (Address and ZIP Code) Princeton, New Jersey				b. NUMBER DE-AC02-09CH11466				b. PHASE CD-3				b. TO (YYYYMMDD) 2013 / 08 / 31				
c. TYPE M&O				d. SHARE RATIO				c. EVMS ACCEPTANCE NO X YES (YYYYMMDD) 2011 / 12 / 20								
5. CONTRACT DATA																
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	85,614	0	0	85,614	0	0	0									
6. ESTIMATED COST AT COMPLETION																
MANAGEMENT ESTIMATE AT COMPLETION (1)			CONTRACT BUDGET BASE (2)			VARIANCE (3)			7. AUTHORIZED CONTRACTOR REPRESENTATIVE							
0									a. NAME (Last, First, Middle Initial) Ronald Strykowski				b. TITLE Project Manager			
a. BEST CASE									c. SIGNATURE				d. DATE SIGNED (YYYYMMDD)			
b. WORST CASE																
c. MOST LIKELY			85,614			85,614										
8. PERFORMANCE DATA																
WBS 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)	(4)	SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)	PERFORMED (9)	SCHEDULE (10)	COST (11)						
1.1 Torus Systems	461	533	674	72	-141	21,287	20,266	23,472	-1,020	-3,205	0	0	0	24,168	27,988	-3,820
1.2 Plasma Heating and Current	1,171	589	581	-582	8	16,486	16,393	15,789	-94	604	0	0	0	23,629	22,897	732
1.3 Auxiliary Systems	0	8	15	8	-7	120	179	156	59	23	0	0	0	377	423	-46
1.4 Plasma Diagnostics	46	37	48	-9	-12	1,966	1,762	2,008	-204	-246	0	0	0	1,972	2,305	-332
1.5 Power Systems	388	319	325	-69	-6	5,785	5,487	5,494	-298	-7	0	0	0	10,193	10,162	31
1.6 Central Instrumentation & Co	8	6	1	-2	4	222	354	317	132	37	0	0	0	956	933	23
1.7 Project Support & Integration	251	196	215	-55	-19	11,811	11,756	10,939	-55	817	0	0	0	14,513	14,073	440
1.8 Site Preparation and Torus As	318	515	275	198	240	5,893	5,697	5,229	-197	468	0	0	0	9,805	9,547	259
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	2,642	2,204	2,136	-439	67	63,569	61,893	63,402	-1,676	-1,509	0	0	0	85,614	88,327	-2,713
f. MANAGEMENT RESERVE	0															
g. TOTAL	2,642	2,204	2,136	-439	67	63,569	61,893	63,402	-1,676	-1,509	0	0	0	85,614	88,327	-2,713
9. RECONCILIATION TO CONTRACT BUDGET BASELINE																
a. VARIANCE ADJUSTMENT																
b. TOTAL CONTRACT VARIANCE																
									-1,676	-1,509				85,614	88,327	-2,713

CLASSIFICATION (When Filled In)

Report Options

Criteria: WBS
 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	
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) 8/1/2013			
b. LOCATION (Address and ZIP Code) Princeton, New Jersey			b. NUMBER DE-AC02-09CH11466				b. PHASE CD-3			b. TO (YYYYMMDD) 8/31/2013			
c. TYPE M&O			d. SHARE RATIO				c. EVMS ACCEPTANCE NO <input type="checkbox"/> X YES <input checked="" type="checkbox"/> (YYYYMMDD) 2011 / 12 / 20						

OBS ITEM (1)	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)									
CS Center Stack	\$1,293.89	\$1,436.59	\$1,353.20	143	83	36,602	35,020	37,814	-1,582	-2,794	0	0	0	49,095	52,845	-3,750	
NB Neutral Beam	\$1,223.43	\$641.90	\$657.38	-582	-15	19,488	19,394	18,195	-94	1,199	0	0	0	27,181	25,854	1,327	
PM Project Management	\$125.07	\$125.07	\$125.63	0	-1	7,480	7,480	7,393	0	86	0	0	0	9,337	9,627	-290	
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														\$0.00	\$0.00	0	
e. SUBTOTAL (Performance Measurement Baseline)	\$2,642.39	\$2,203.56	\$2,136.21	-439	67	\$63,569.29	\$61,893.47	\$63,402.40	-1,676	-1,509	\$0.00	\$0.00	\$0.00	85,614	\$88,327.26	-2,713	
f. MANAGEMENT RESERVE														\$0.00			
g. TOTAL	2,642	2,204	2,136	-439	67	63,569	61,893	63,402	-1,676	-1,509	0	0	0	85,614			

CLASSIFICATION (When Filled In)

Report Options
 Criteria: OBS
 Calendar Set: 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

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)	
b. LOCATION (Address and ZIP Code) Princeton, New Jersey		b. NUMBER DE-AC02-09CH11466		b. PHASE CD-3		8/1/2013	
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. TO (YYYYMMDD) 8/31/2013	

OBS	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING			AT COMPLETION		
	BUDGETED COST		ACTUAL COST WORK	VARIANCE		BUDGETED COST		ACTUAL COST WORK	VARIANCE		ADJUSTMENTS			BUDGETED	ESTIMATED	VARIANCE
	WORK SCHEDULED (2)	WORK PERFORMED (3)	(4)	SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)	(9)	SCHEDULE (10)	COST (11)	COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	(14)	(15)	(16)
1000 CSU Analytical Support (Dudek)	\$16.99	\$16.99	\$8.79	0	8	489	489	510	0	-21	0	0	0	705	726	-21
1001 CS Plasma Facing Components (Tresemmer)	\$1.93	\$33.38	\$107.27	31	-74	1,951	1,850	1,637	-102	213	0	0	0	2,110	1,897	213
1002 Passive Plate Analysis & Upgrade (Atnafu)	\$0.00	\$34.01	\$12.39	34	22	639	639	514	0	126	0	0	0	996	996	0
1200 Structures & Supports (Smith)	\$10.17	\$0.35	\$0.41	-10	0	3,683	3,700	4,368	16	-668	0	0	0	3,791	4,454	-663
1300 Center Stack (Chrzanowski)	\$139.68	\$139.68	\$117.15	0	23	2,022	2,022	2,201	0	-179	0	0	0	2,272	2,719	-447
1301 Outer TF Coils (CLOSED)	\$0.00	\$0.00	-\$100.66	0	101	471	471	385	0	86	0	0	0	471	385	86
1302 Center Stack Assembly (Chrzanowski)	\$85.47	\$38.24	\$64.80	-47	-27	412	116	125	-296	-9	0	0	0	845	897	-53
1303 TF Joint Test Stand & Test (CLOSED)	\$0.00	\$0.00	\$0.00	0	0	353	353	225	0	128	0	0	0	353	225	128
1304 Inner TF Bundle (Chrzanowski)	\$0.00	\$56.81	\$54.76	57	2	2,779	3,043	3,139	264	-96	0	0	0	3,566	3,662	-97
1305 Ohmic Heating Coil (Chrzanowski)	\$135.46	\$127.77	\$331.47	-8	-204	6,002	5,545	8,131	-457	-2,586	0	0	0	6,411	9,170	-2,759
1306 Inner PF Coils (Chrzanowski)	\$71.58	\$0.00	\$12.30	-72	-12	683	380	555	-302	-174	0	0	0	824	999	-175
1307 CS Casing Assembly (Chrzanowski)	\$0.00	\$85.62	\$65.57	86	20	1,361	1,216	1,241	-144	-25	0	0	0	1,384	1,418	-34
1310 CSU Magnets Systems (CLOSED)	\$0.00	\$0.00	\$0.00	0	0	442	442	442	0	0	0	0	0	442	442	0
3200 Water Cooling System Mods (Atnafu)	\$0.00	\$0.00	\$0.00	0	0	74	68	38	-6	30	0	0	0	195	165	31
3300 Bakeout System Mods CSU (Raki)	\$0.00	\$0.00	\$6.17	0	-6	5	55	50	50	0	0	0	0	79	144	-65
3400 Gas Delivery System Mods (Blanchard)	\$0.00	\$8.43	\$9.09	8	-1	41	56	69	15	-12	0	0	0	102	115	-12
4100 Center Stack Diagnostics (Kaita)	\$43.40	\$11.40	\$22.48	-32	-11	836	706	582	-129	124	0	0	0	836	711	125
4500 MPTS VV Modification (Labik)	\$2.50	\$25.10	\$25.75	23	-1	1,130	1,056	1,426	-74	-370	0	0	0	1,137	1,594	-457
5000 CSU Power Systems (Raki)	\$165.65	\$124.36	\$49.55	-41	75	2,865	3,246	2,671	381	575	0	0	0	5,735	5,117	618
5200 DCPS (Hatcher)	\$158.20	\$99.78	\$186.49	-58	-87	1,887	1,511	2,105	-375	-593	0	0	0	2,406	3,000	-593
5501 Coil Bus Runs (Atnafu)	\$64.06	\$95.23	\$89.13	31	6	1,033	730	718	-303	12	0	0	0	2,051	2,045	7
6100 Control Sys Data Acquisition (Sichta)	\$7.78	\$5.69	\$1.33	-2	4	222	354	317	132	37	0	0	0	956	933	23
7200 Center Stack Management (Dudek)	\$73.29	\$18.38	\$13.89	-55	4	1,330	1,275	1,139	-55	136	0	0	0	1,624	1,488	136
8200 CS & Coil Supt Strct Install (Perry)	\$244.60	\$469.07	\$241.44	224	228	4,616	4,486	4,357	-129	130	0	0	0	7,156	7,026	131
8210 Field Supervision & Oversight (Perry)	\$46.31	\$46.31	\$32.78	0	14	1,041	1,041	870	0	172	0	0	0	1,426	1,255	172
8250 Remove/Install Centerstack (Perry)	\$26.82	\$0.00	\$0.84	-27	-1	237	169	3	-68	167	0	0	0	1,223	1,267	-44
2300 ECH Analysis (CLOSED)	\$0.00	\$0.00	\$0.00	0	0	84	84	29	0	55	0	0	0	84	29	55
2420 2nd NBI Sources (CLOSED)	\$60.27	\$0.00	\$0.00	-60	0	141	99	61	-42	38	0	0	0	99	61	38
2425 BL Relocation (Cropper)	\$0.00	\$17.00	\$6.27	17	11	1,803	1,601	1,136	-202	465	0	0	0	1,803	1,338	464
2430 2nd NBI Decontamination (CLOSED)	\$0.00	\$0.00	\$0.00	0	0	2,057	2,057	2,070	0	-13	0	0	0	2,057	2,070	-13
2440 2nd NBI Beamline (Cropper)	\$0.00	\$0.00	\$24.31	0	-24	1,979	1,901	1,511	-78	391	0	0	0	1,979	1,588	391
2450 2nd NBI Services (Cropper)	\$675.66	\$467.92	\$338.47	-208	129	2,897	3,179	2,826	281	353	0	0	0	4,950	4,597	353
2460 2nd NBI Armor (Tresemmer)	\$3.48	\$0.00	\$2.20	-3	-2	510	652	878	143	-226	0	0	0	761	986	-226
2470 2nd NBI Power (Raki)	\$187.08	\$1.76	\$57.21	-185	-55	1,317	1,107	1,291	-210	-184	0	0	0	3,492	3,547	-54
2475 2nd NBI Controls (Cropper)	\$60.33	\$0.00	\$19.05	-60	-19	1,980	1,682	1,371	-298	311	0	0	0	2,611	2,301	310
2480 2nd NBI/TVPS Duct (Blanchard)	\$154.02	\$102.55	\$62.61	-51	40	1,751	1,881	2,219	130	-338	0	0	0	2,094	2,432	-338
2485 Vacuum Pumping System (Blanchard)	\$0.00	\$0.00	\$2.92	0	-3	90	291	361	201	-70	0	0	0	388	458	-71
2490 NTC Equipment Relocations (Perry)	\$29.93	\$0.00	\$68.38	-30	-68	1,877	1,857	2,036	-20	-179	0	0	0	3,311	3,490	-179
7300 NB2 Management (Stevenson)	\$21.34	\$21.34	\$9.81	0	12	827	827	708	0	118	0	0	0	1,103	985	117
7400 Health Physics Support (Stevenson)	\$31.33	\$31.33	\$66.16	0	-35	2,175	2,175	1,698	0	477	0	0	0	2,449	1,972	477
7100 Project Management & Integration (Strykowski)	\$91.04	\$91.04	\$102.96	0	-12	5,030	5,030	5,263	0	-233	0	0	0	6,412	7,010	-598
7710 NSTX-U HP and Other Allocations (Strykowski)	\$33.88	\$33.88	\$22.66	0	11	2,440	2,440	2,127	0	314	0	0	0	2,847	2,515	303
7900 Integrated System (Gentile)	\$0.15	\$0.15	\$0.00	0	0	9	9	4	0	5	0	0	0	78	73	5
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														\$0.00	\$0.00	0
e. SUBTOTAL (Performance Measurement Baseline)	\$2,642.39	\$2,203.56	\$2,136.21	-439	67	\$63,569.29	\$61,893.48	\$63,402.40	-1,676	-1,509	\$0.00	\$0.00	\$0.00	85,614	\$88,327.26	-2,713
f. MANAGEMENT RESERVE														\$0.00		0
g. TOTAL	2,642	2,204	2,136	-439	67	63,569	61,893	63,402	-1,676	-1,509	0	0	0	85,614		

CLASSIFICATION (When Filled in)

Report Options

Criteria: OBS
Calendar Set: 18 Required Set
Cost Sets: Scheduled, Performed, Actuals, Est. At Complete, , Over target baseline

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT	FORM APPROVED
FORMAT 3 - BASELINE	OMB No. 0704-0188
DOLLARS IN	Thousands of \$

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.

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) 2013 / 08 / 01
b. LOCATION (Address and ZIP Code) Princeton, New Jersey	b. NUMBER DE-AC02-09CH11466	b. PHASE CD-3	b. TO (YYYYMMDD) 2013 / 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	

5. CONTRACT DATA							
a. ORIGINAL NEGOTIATED COST 77,317	b. NEGOTIATED CONTRACT CHANGES 8,296	c. CURRENT NEGOTIATED COST (a. + b.) 85,614	d. ESTIMATED COST OF AUTHORIZED UNPRICED WORK 0	e. CONTRACT BUDGET BASE (c. + d.) 85,614	f. TOTAL ALLOCATED BUDGET 85,456	g. DIFFERENCE (e. - f.) 157	
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		

6. PERFORMANCE DATA																
Contract Change Number	BCWS CUMULATIVE TO DATE	BCWS FOR REPORT PERIOD	BUDGETED COST FOR WORK SCHEDULED (BCWS) (Non-Cumulative)												UNDISTRIBUTED BUDGET	TOTAL BUDGET
			SIX MONTH FORECAST (Enter names of months)						ENTER SPECIFIED PERIODS							
			+1 30SEP2013 (4)	+2 31OCT2013 (5)	+3 30NOV2013 (6)	+4 31DEC2013 (7)	+5 31JAN2014 (8)	+6 28FEB2014 (9)	31MAR2014 (10)	30APR2014 (11)	31MAY2014 (12)	30JUN2014 (13)	31JUL2014 (14)			
a. PERFORMANCE MEASUREMENT BASELINE (Beginning of Period)	60,951	2,641	2,252	3,146	2,353	1,644	2,259	1,949	1,986	1,653	1,431	1,175	674	0	84,954	
b. BASELINE CHANGES AUTHORIZED DURING REPORTING PERIOD																
ECP-095															357	
ECP-094															146	
ECP-096															157	
c. PERFORMANCE MEASUREMENT BASELINE (End of Period)	63,569		2,279	3,258	2,411	1,706	2,329	2,008	2,149	1,683	1,452	1,199	730	0	85,614	
7. MANAGEMENT RESERVE															0	
8. TOTAL															85,614	

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

