

NATIONAL SPHERICAL TORUS EXPERIMENT UPGRADE PROJECT

Engineering Change Proposal (ECP)

Part I To be Completed by Originator

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ECP-026

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Originator (CAM) Tresemer

Date Submitted 03/09/2012

ECP No. 026

ECP Title Change M&S budget on tasks 1001-0066 and 1001-0066F in Control Account 1001. Also this ECP increases FY2012 resources for Control Account 7100 (Project Management & Integration). Delete redundant tasks from Control Acct. 8250.

Required Reviewers (Change Control Board)
☐ Williams
☒ Strykowski
☐ Dudek
☐ Stevenson
☒ Langish
☐ Other...

Change Level 2 Federal Project Director

Approvals

Change Level	Approving Official	Approval	Signature
3	NSTXU Project Manager	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Ron Strykowski <small>Digitally signed by Ron Strykowski DN: cn=Ron Strykowski, o, ou=PPPL, email=rstrykow@pppl.gov, c=US Date: 2012.03.19 09:02:59 -04'00'</small>
3a Expedited ECP	NSTXU Engineering Lead	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2	NSTXU Federal Project Dir.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
1	Associated Director OFES	<input type="checkbox"/> Yes <input type="checkbox"/> No	
0	Deputy Secretary of Energy	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Approval Date

Primavera Updated ☐
Cobra Updated ☐
WAD Updated ☐
RAM Updated ☐

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Type of ECP ☒ Standard ☐ Expedited

Type of Change (Check all that apply) ☐ Technical ☒ Cost ☐ Schedule ☐ Editorial ☐ Other

Reason for Change For Control Account 1001 the procurement came in under budget for the PFC raw material and the machining came in over budget. Also, increased resources required for Control Account 7100 Project Management & Integration. Update budgets for Control Account 1001 and 7100 per detailed description. Delete two redundant tasks from Control Account 8250 (activities found in other portions of schedule).

Impacted WBS Elements ☒ 1.1
☐ 1.2
☐ 1.3
☐ 1.4
☐ 1.5
☐ 1.6
☒ 1.7
☒ 1.8
☐ Other...

Control Account ☐ 1000 ☐ 1306 ☐ 2470 ☐ 5000 ☐ 8200
☒ 1001 ☐ 1307 ☐ 2475 ☐ 5200 ☐ 8210
☐ 1002 ☐ 1310 ☐ 2480 ☐ 5501 ☒ 8250
☐ 1200 ☐ 2300 ☐ 2485 ☐ 6100 ☐ Other...
☐ 1300 ☐ 2420 ☐ 2490 ☐ 7200
☐ 1301 ☐ 2425 ☐ 3200 ☐ 7300
☐ 1302 ☐ 2430 ☐ 3300 ☐ 7400
☐ 1303 ☐ 2440 ☐ 3400 ☒ 7100
☐ 1304 ☐ 2450 ☐ 4100 ☐ 7710
☐ 1305 ☐ 2460 ☐ 4500 ☐ 7900

Impacts of Change Budget changes.
(Briefly Describe)

Impact on Materials Parts Already Manuf. ☐ Yes ☒ No

If yes, what is recommended disposition

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Detailed Description of Change

Description of Change

1. Control Account 1001:

Task 1001-0066 reduce M&S (41) to from \$300,00 to \$63,963.59 = \$303,542.82 savings (loaded).
The cost for the materials is much less than budgeted.

Task 1001-0066F increase M&S (41) to \$230,000 to \$250,000, add resource (48) of \$30,000 =
\$55,720 (loaded). Machining costs expected to be \$50K higher as shown above.

Job 1001 Net = - **\$247,822.82**

2. Control Account 7100:

Add the following task/resources:

1. CS7000141W	FY2012 Project Management ecp	EM//EM	Perry	863 hrs
new task start 4/1/2012 through 9/30/2012			\$149,721.87	
2. CS7000141W	FY2012 Project Management ecp	EA//EM	Simmons	119 hrs
new task start 4/1/2012 through 9/30/2012			\$25,143.51	
3. CS7000141W	FY2012 Project Management ecp	FC//AC	Guzman	636 hrs
new task start 4/1/2012 through 9/30/2012			\$80,651.16	
4. CS7000141W	FY2012 Project Management ecp	41		42419
new task start 4/1/2012 through 9/30/2012			\$54,720.51	
5. CS7000141W	FY2012 Project Management ecp	FC//AM	Langish	538 hrs
new task start 4/1/2012 through 9/30/2012			\$96,038.38	
6. CS7000141W	FY2012 WCC ecp	EM//SM	Meighan	432 hrs
new task start 4/1/2012 through 9/30/2012			\$74,554.56	
7. CS7000141W	FY2012 WCC ecp	EM//SM	Jones	432 hrs
new task start 4/1/2012 through 9/30/2012			\$74,554.56	
6. CS7000141W	FY2012 WCC ecp	EM//SM	Winston	432 hrs
new task start 4/1/2012 through 9/30/2012			\$74,554.56	

Job 7100 delete the following task

CS7000053R	FY2013 Project Reviews	41	20000.00	\$(26,400.00)
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Job 7100 Net Increase: + **\$603,539.11**

3. Delete tasks 8250-122 (\$61,920.00) and 8250-122A (\$83,550.72) = - **\$145,470.72**

4. Total contingency draw for this ECP : **\$603,539.11 - \$247,822.82 - \$145,470.72 = + \$210,245.57**

SUBMIT ECP

Do not fill in information below this point

List of Attachments ☐ Primavera Schedule (Before/After) ☐ Cobra (Before/After) ☐ Other...