

NATIONAL SPHERICAL TORUS EXPERIMENT UPGRADE PROJECT

Engineering Change Proposal (ECP)

Part I To be Completed by Originator

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ECP-061

COVER PAGE

Originator (CAM) Chrzanowski

Date Submitted 12/7/2012

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ECP No. 061

ECP Title Add tasks to cover additional work on TF quadrant mold and to perform an in-line braze test (OH).
Change BL dates on two other tasks.

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 type="checkbox"/> Yes <input type="checkbox"/> No	
3a Expedited ECP	NSTXU Engineering Lead	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2	NSTXU Federal Project Dir.	<input 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 12/17/2012

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

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PART I

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Type of ECP ☒ Standard ☐ Expedited

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

Reason for Change In Control Account 1305 add tasks to cover additional work on TF quadrant mold and to perform an in-line braze test (OH). Change BL dates on two other tasks. Delete unnecessary task from Control Account 1304

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

Control Accounts ☐ 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 (Briefly Describe) Increased cost. Work is supporting critical path.

Impact on Materials Parts Already Manuf. ☒ Yes ☐ No

If yes, what is recommended disposition TF quadrant mold lid re-work

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[Detailed Description of Change](#)

**Description
of Change**

- 1) For task 1305-2620, new task 1305-2620A, "Fab and deliver OH mold" change to Start: 1/15/2013 Finish: 5/15/2013, increase of **\$3,600**
- 2) For task 1305-S/P14, new task 1305-S/P14A, "Sandblast (16) copper spools" change to Start: 2/1/13 Finish 5/15/2013, and change the EVT to % complete
- 3) Add task 1305-8910A "PPPL quad mold lid fabrication" Start 12/1/2013 Finish 1/1/2013 Labor: EM//TB=320 @ \$104.23= **\$33,353.60**, EVT = % comp
- 4) Add task 1305-8910B "In-line braze test - OH", Start 1/7/2012, Finish 1/25/2012, Labor: EM//TB= 80 @ \$104.23 = **\$8,338.40** EVT = 50/50
- 5) Delete task 1304-1164 "Fab and Deliver Lower TF Coil to Bus Jump" which is not necessary = **-\$31,680.**

Net contingency draw= \$13,612.00

Submitted:

Jim Chrzanowski

Reviewed:

Larry Dudek

SUBMIT ECP

Do not fill in information below this point

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