

NATIONAL SPHERICAL TORUS EXPERIMENT UPGRADE PROJECT

Engineering Change Proposal (ECP)

Part I To be Completed by Originator

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ECP-012

COVER PAGE

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Originator (CAM) Chrzanowski

Date Submitted 12/19/2011

ECP No. 012

ECP Title Delete several unnecessary activities from CA 1304 Inner TF Bundle. Add several activities (cost/schedule) to CA 1305 to accomodate sandblast and prime of OH conductor. Reduce budget on task 2480-0057.

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: 2012.02.01 12:29:27 -05'00'</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

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Type of ECP ☒ Standard ☐ Expedited

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

Reason for Change Delete several tasks in Control Account 1304 that are not required.
Add steps (cost/schedule) to Control Account 1305 for sandblast/prime of OH conductor. Control Account 2480 change budget for task 2480-0057.

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 (Briefly Describe) Decrease cost in CA 1304
Increased cost in CA 1305
Decrease cost in CA 2480

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. For Control Account 1304:

Delete Activity 1304-1110

Delete Activity 1304-1112

Delete Activity 1304-1114 and associated budget \$39,600

Delete Activity 1304-1114A

Delete Activity 1304-1114B

Delete Activity 1304-1114C and associated budget \$39,600

Total budget reduction: \$79,200.00

2. For Control Account 1305:

Add activities as shown on attached WAF for CA 1305. Total budget increase = \$376,553.08

3. For Control Account 2480:

Change resources for activity 2480-0057 (original budget \$508,045.76) as follows:

a. Total resource breakdown will be \$200K. Task breakdown:

Waterjet (10%) 220 Hrs EM//TB

Stamping (15%) 325 Hrs EE//TB

Machining (25%) 525 Hrs EE//TB

Welding (45%) 870 Hrs EM//TB

Leak Checking (5%) 100 Hrs EE//TB

b. Budget reduction of \$308,045.76 (this will change slightly based time phasing in Primavera)

Net change for this ECP = -10,692.68 (net budget reduction) (this will change slightly based time phasing in Primavera)

SUBMIT ECP

Do not fill in information below this point

List of
Attachments

☒ Primavera Schedule (Before/After) ☒ Cobra (Before/After) ☐ Other...