

NATIONAL SPHERICAL TORUS EXPERIMENT UPGRADE PROJECT

Engineering Change Proposal (ECP)

Part I To be Completed by Originator

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ECP-029

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Originator (CAM) Strykowski

Date Submitted 3/27/2012

ECP No. 029

ECP Title In PEP: Re-define Level II milestone change ref
"Friction stir weld coil leads..." In Project Schedule:
Re-define activity 1070 to read:RECEIVE FIRST
DELIVERY MACHINED INNER TF CONDUCTOR
- 30 JUN 2012

Required Reviewers (Change Control Board)

<input checked="" type="checkbox"/> Williams	<input type="checkbox"/> Langish
<input checked="" type="checkbox"/> Strykowski	<input type="checkbox"/> Other...
<input type="checkbox"/> Dudek	
<input type="checkbox"/> Stevenson	

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	
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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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 Redefine level II milestone based upon single contract approach for the inner TF conductor machining.

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) no impact to critical path
Change "FRICTION STIR WELD COIL LEADS TF CONDUCTORS - JUN 2012"
to
"RECIEVE FIRST DELIVERY MACHINED INNER TF CONDUCTOR - JUN 2012"

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

In the Project Execution Plan change Level II Milestone "FRICTION STIR WELD COIL LEADS
TF CONDUCTORS - JUN 2012"

to

"RECEIVE FIRST DELIVERY MACHINED INNER TF CONDUCTOR - JUN 2012"

In the Project Schedule change Level II Milestone (1070) to read

"RECEIVE FIRST DELIVERY MACHINED INNER TF CONDUCTOR - 30 JUN 2012"

The original baseline approach was to award 4 individual contracts;

- 1) initial rough machining
- 2) purchase Cu-Cr-Zr lead extensions
- 3) friction stir weld leads to conductor
- 4) final machining and delivery of inner TF conductors

The revised contract approach (referenced in ECP-004) is based on placing one major contract to perform all 4 tasks and sequences the delivery of conductors consistent with the project's fabrication plan.

SUBMIT ECP

Do not fill in information below this point

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