

NATIONAL SPHERICAL TORUS EXPERIMENT UPGRADE PROJECT

Engineering Change Proposal (ECP)

Part I To be Completed by Originator

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ECP-134

COVER PAGE

Originator (CAM) Sichta

Date Submitted 11/24/2014

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ECP No. 134

ECP Title The cancellation of the (WBS5) FCPC Fault Detector project has cancelled (WBS6) planned CAMAC retirement, so this ECP will supplement the remaining CAMAC memory.

Required Reviewers
(Change Control Board)

<input type="checkbox"/> Williams	<input checked="" type="checkbox"/> Langish
<input checked="" type="checkbox"/> Strykowski	<input type="checkbox"/> Other...
<input checked="" 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 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 11/24/2014

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

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PART I

Originator (CAM) Sichta

Date Submitted 11/24/2014

Type of ECP ☒ Standard ☐ Expedited

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

Reason for Change The cancellation of the (WBS5) FCPC Fault Detector project has cancelled (WBS6) planned CAMAC retirement, so this ECP will supplement the remaining CAMAC memory.

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 ☐ 4501 ☐ 7900
☐ 1001 ☐ 1307 ☐ 2475 ☐ 5000 ☐ 8200
☐ 1002 ☐ 1310 ☐ 2480 ☐ 5200 ☐ 8210
☐ 1200 ☐ 2300 ☐ 2485 ☐ 5501 ☐ 8250
☐ 1300 ☐ 2420 ☐ 2490 ☒ 6100 ☐ Other...
☐ 1301 ☐ 2425 ☐ 3200 ☐ 7200
☐ 1302 ☐ 2430 ☐ 3300 ☐ 7300
☐ 1303 ☐ 2440 ☐ 3400 ☐ 7400
☐ 1304 ☐ 2450 ☐ 4100 ☐ 7100
☐ 1305 ☐ 2460 ☐ 4500 ☐ 7710

Impacts of Change (Briefly Describe) Cost increase

Impact - BL Sched Dur Change

0

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

ECP comprised of the following:

1) Purchase additional 1MS CAMAC memory board for FCPC. The Fault Detector project was cancelled so CAMAC was not retired as planned. Now we need to enhance the CAMAC to accommodate longer pulse length. Memory testing/installation is included below.

Contingency draw: M&S= $\$9,000 * 1.35 = \$12,150$

EC//EM=32 hrs * $\$155.03 = \$4,960.96$

EE//SB= 28 hrs * $\$144.27 = \$4,039.56$

Total draw = $\$21,150.52$

Submitted by:

Paul Sichta

Reviewed by:

Larry Dudek

SUBMIT ECP

Do not fill in information below this point