

NATIONAL SPHERICAL TORUS EXPERIMENT UPGRADE PROJECT

Engineering Change Proposal (ECP)

Part I To be Completed by Originator

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ECP-025

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Originator (CAM) Cropper

Date Submitted 3/19/2012

ECP No. 025

ECP Title In Control Account 2475 add steps to the schedule for EPICS timing and Control Interface. In Control Account 8200: Delete task 8200-0102C

Required Reviewers (Change Control Board)

<input checked="" type="checkbox"/> Williams	<input checked="" type="checkbox"/> Langish
<input checked="" type="checkbox"/> Strykowski	<input type="checkbox"/> Other...
<input type="checkbox"/> Dudek	
<input checked="" 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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Type of ECP ☒ Standard ☐ Expedited

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

Reason for Change In Control Account 2475 add steps to the schedule for EPICS timing and Control Interface

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

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) None other than increased budget requirements

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 8200 delete task 8200-0102C Add welding between TF Clevis and VV =
BUDGET DELETED = - \$76,406.40

2. Control Account 2475 Add the following steps to schedule for EPICS timing and Control Interface. **BUDGET ADDED = + \$197,932.56**

2475-0167A	EPICS CI&C Wave form data	40 days	Start: 2Apr12	Cost: \$53,272.60
2475-0167B	EPICS CI&C MDS	10 days	Start: 2Apr12	Cost: \$11,749.60
2475-0167C	EPICS Displays	15 days	Start: 1Jun12	Cost: \$13,452.90
2475-0167D	EPICS CI&C Peer Review	5 days	Start: 12Jun12	Cost: \$7,578.10
2475-0167E	EPICS CI&C Timing	50 days	Start: 1Apr13	Cost: \$35,275.40
2475-0167F	EPICS CI&C PP T-couple chg	20 days	Start: 2Jan14	Cost: \$42,103.36
2475-0167G	EPICS CI&C Testing	10 days	Start: 2Jan14	Cost: \$34,500.60

Total contingency draw = + \$121,526.16

SUBMIT ECP

Do not fill in information below this point

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