

NATIONAL SPHERICAL TORUS EXPERIMENT UPGRADE PROJECT

Engineering Change Proposal (ECP)

Part I To be Completed by Originator

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ECP-107

COVER PAGE

Originator (CAM) Sichta

Date Submitted 12/19/2013

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ECP No. 107

ECP Title In Control Account 6100 it appears as though an error was made when entering information into Primavera from the WAF and the second digit of the budgeted hours was clipped for activity 6100 -0073A. A spreadsheet and screenshot from WAF is attached. This ECP corrects the budgeted hours (increased cost).

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 1/2/2014

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

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PART I

Originator (CAM) Sichta

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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 6100 it appears as though an error was made when entering information into Primavera from the WAF and the second digit of the budgeted hours was clipped for activity 6100-0073A. A spreadsheet and screenshot from WAF is attached. This ECP corrects the budgeted hours (increased cost).

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) Increased cost.

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**

In Control Account 6100 it appears as though an error was made when entering information into Primavera from the WAF and the second digit of the budgeted hours was clipped for activity 6100-0073A. A spreadsheet and screenshot from WAF is attached. This ECP corrects the budgeted hours (increased cost).

Contingency draw: \$20,161.92

Submitted by:

Paul Sichta

Reviewed by:

Larry Dudek

SUBMIT ECP

Do not fill in information below this point

6100-0073A NTC/DARM fiber & network install

	RATE	HOURS		BL\$	WAF\$	DELTA
		BL	WAF			
EA//SB	\$ 144.60	3	32	\$ 433.80	\$ 4,627.20	\$ 4,193.40
EC//EM	\$ 155.03	4	40	\$ 620.12	\$ 6,201.20	\$ 5,581.08
EE//SB	\$ 144.27	8	80	\$ 1,154.16	\$ 11,541.60	\$ 10,387.44
				\$ 2,208.08	\$ 22,370.00	\$ 20,161.92

task	TASK DESCRIPTION	Resp	Duration in WORK DAYS	Logical Pre-requisites (one task numbers in each column, any order)				actual= A	M&S (41)	CREDIT CARD (43)	OTHER (39)	TRAVEL (35)	OVERTIME (31)	EA** EM (analysis engr)	EA** (Designer)	EC** EM (computing Engr)	EC** SB (Computing Tech)	EC** TB (Computing Tech)	EE** EM (Electr Engr)	EE** SM (Senior Electr Tech)	EE** SB (Electr Tech)
56	I&C Peer Review	Mastrov	5	55												40	12				
57c	PCS Infrastructure code & debug	Mastrov	60	56												40					
58	PSRTC code & debug	Mastrov	60	57b												160					
59	Update PSRTC Simulation models	Hatcher	30	56									40			32		16			
60	PCS code & debug	Mastrov	60	57b												60					
61a	CAMAC replacement proto	Tchilin	120													120					
61b	CAMAC replacement - local software	Tchilin	120	55	49d	61a										300					
62	CAMAC replacement - MDSplus changes	Tchilin	20	61b												100					
63	Cntr Stk diags data acq changes	Sichta	10	55												16					
64	CAMAC Replacement systems fab.	Wertenb	90	55	49d											120	240				
65	CAMAC Memory module fab.	Wertenb	60	55	50				\$5							16	40		40		
66	PCS – Support Transrex Firing Generator	Mastrov	30	58												80					
67	DAS programming for NSTX diags upgd	Tchilin	60	62												24					
68																					
69	Installation																				
70	Wait for I&C Installation Start (per NSTX ops)	Sichta	1													1					
71	CAMAC Replacement systems install	Tchilin	90	70	65											80	120	40	60		
72	CAMAC Memory install	Wertenb	10	70	87											8	12				
73a	NTC/DARM fiber & network install	Henders	30	70	50										32	40					80