

<b>NATIONAL SPHERICAL TORUS EXPERIMENT          UPGRADE PROJECT          Engineering Change Proposal (ECP)</b>			
<b><i>COVER PAGE</i></b> <b><i>(TO BE COMPLETED BY SYSTEMS ENGINEERING SUPPORT MANAGER)</i></b>			
Originator: Erik Perry		Date: 21 Nov 2011	
ECP No: 006		ECP Title: Various changes to Control Accounts 7100 (move labor), 8200/8250 (delete WPs and convert to PPs)	
<b><u>Required Reviewers</u></b>			
Required Reviewers for this ECP: Strykowski			
<b><u>ECP Approval Level</u></b>			
Expedited ECP? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Change Level: 3 Project Approving Official: 3 Reg ECP - Project Manager			
<b><u>Actions</u></b>			
<b><i>APPROVALS</i></b> <b><i>(TO BE COMPLETED BY APPROVING OFFICIALS)</i></b>			
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 Director	<input type="checkbox"/> Yes <input type="checkbox"/> No	
1	Associate Director OFES	<input type="checkbox"/> Yes <input type="checkbox"/> No	
0	Deputy Secretary of Energy	<input type="checkbox"/> Yes <input type="checkbox"/> No	

**Controlled Document**

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# NATIONAL SPHERICAL TORUS EXPERIMENT UPGRADE PROJECT

## Engineering Change Proposal (ECP)

### *PART I* (TO BE COMPLETED BY ORIGINATOR) ECP-006

Originator: Erik Perry

Date: 21 Nov 2011

#### Overview of Change

Type of ECP:      ☐ EXPEDITED      ☒ STANDARD

Type of Change:    ☐ TECHNICAL    ☒ COST    ☒ SCHEDULE    ☐ EDITORIAL

(Check all that Apply)

**Reason for Change:**
Update Control Accounts **7100, 8200, 8250**

1. In Control Account **7100**. Move budget. Move 863 hours from task CS7000053W FY2013 WCC to task CS7000041W FY2012 WCC
2. Several tasks in Control Account **8200 and 8250** were performed during troubleshooting of the TF failure (operations) and are not necessary as part of the upgrade project. The following tasks are to be deleted:

**8200**

8200-0029A Blow out hoses (\$1,633.28)  
8200-0034A Remove Lower Flex Joints (\$12,249.60)  
8200-0034B Lower Tray Remove and Store Elect (\$70,351.36)  
8200-0048 Umbrella Lid Remove existing (\$10,746.40)  
8200-0048B Remove Uppler Flex Joints (\$12,249.60)

**Total**

\$107,230.20

**8250**

8250-101 Disconnect Hoses (\$4,861.92)  
8250-105 Remove umbrella lid (top and bottom) (\$4,861.92)  
8250-109 Remove flex bus (top and bottom) (\$39,615.36)

**Total**

\$49,159.20

3. In Control Account **8200** add the following task in a planning package. Activity ID: 8200-PP001A, Description: Al Block Gaps. Budget (48): \$107,230.20. Dates: 02 July 2012 through 31 August 2012.
4. In Control Account **8250** add the following task in a planning package. Activity ID: 8250-PP001A, Description: CS Analysis Update Activities. Budget (48): \$49,159.20. Dates: 01 April 2013 through 30 June 2013.

**Impacted WBS Elements:** 1.7 (7100), 1.8 (8200, 8250)

**Impacts of Change (Briefly Describe):**

Overall impact of ECP only moves budget. May be some minor BAC changes due to rates at time of performance (specifically for CA 7100).

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**Engineering Change Proposal (ECP)**
**PART I**  
**(TO BE COMPLETED BY ORIGINATOR)**
**Originator:** Erik Perry

**Date:** 21 Nov 2011

**Does this Change Impact Material Already Procured or Parts/Assemblies Already Assembled/Manufactured using this Material:** ☐ Yes ☒ No

**If "Yes", what is the recommended disposition of this material/part/assembly?**
**Assessment of Other Options:**
**Detailed Description of the Change:**

(Use Continuation Sheets and/or Attach Information/Sketches, As Needed)

**List Attachments, Impacted Documents, etc.**

- P3 Baseline Schedule before/after
- Cobra Workpackage Summary Before/After

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