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| **NATIONAL SPHERICAL TORUS EXPERIMENT UPGRADE PROJECT****Engineering Change Proposal (ECP)** |
| ***COVER PAGE******(TO BE COMPLETED BY SYSTEMS ENGINEERING SUPPORT MANAGER)*** |
| **Originator:**      **Paul Sichta** | **Date: 9/14/2011** |
| **ECP No:**      **003** | **ECP Title: Reduce man-hours on task 6100-0041. Add this budget as M&S in task 6100-0049D** |
| **Required Reviewers** |
| **Required Reviewers for this ECP:**       |
| **ECP Approval Level****Expedited ECP? [ ]  Yes [x]  No****Change Level:** Approving Official:  |
| **Actions**      |
| ***APPROVALS*** ***(TO BE COMPLETED BY APPROVING OFFICIALS)*** |
| **Change Level** | **Approving Official** | **Approval?** | **Signature** |
| **3** | **NSTXU Project Manager** | **[x]  Yes [ ]  No** |  |
| **3a** **(Expedited ECP)** | **NSTXU Engineering Lead** | **[ ] Yes [ ]  No** |  |
| **2** | **NSTXU Federal Project Director** | **[ ] Yes [ ]  No** |  |
| **1** | **Associate Director OFES** | **[ ] Yes [ ]  No** |  |
| **0** | **Deputy Secretary of Energy** | **[ ] Yes [ ]  No** |  |

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| **NATIONAL SPHERICAL TORUS EXPEREIMENT UPGRADE PROJECT****Engineering Change Proposal (ECP)** |
| ***PART I*** ***(TO BE COMPLETED BY ORIGINATOR)*****ECP-** |
| **Originator:**       **Paul Sichta** | **Date: 9/14/2011** |
| **Overview of Change****Type of ECP: [ ]  EXPEDITED [x]  STANDARD** **Type of Change: [ ]  TECHNICAL** **[x]  COST [ ]  SCHEDULE** **[ ]  EDITORIAL****(Check all that Apply**)**Reason for Change: Reduce man-hours on task 6100-0041. Add this budget as M&S in task 6100-0049D. No total budget change to Control Account 6100. Change just moves budget from task to task within Control Account. This equates to a budget reduction of $27,473.25 from task 6100-0041 with a corresponding increase in budget to task 6100-0049D in the form of M&S (increase of $20,350.55 unloaded)****Impacted WBS Elements:**       **1.6****Impacts of Change (Briefly Describe):**      No impact to Level I, II, or III milestones or critical path**Does this Change Impact Material Already Procured or Parts/Assemblies Already Assembled/Manufactured using this Material: [ ]  Yes** **[x]  No****If “Yes”, what is the recommended disposition of this material/part/assembly?**      **Assessment of Other Options:**       |

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| **NATIONAL SPHERICAL TORUS UPGRADE PROJECT****Engineering Change Proposal (ECP)** |
| **PART I** **(TO BE COMPLETED BY ORIGINATOR)** |
| **Originator:**       **Paul Sichta** | **Date: 9/14/2011** |
| **Detailed Description of the Change:****(Use Continuation Sheets and/or Attach Information/Sketches, As Needed)****List Attachments, Impacted Documents, etc.**      NSTX-U Baseline P3 schedule / Cobra baseline schedule**Description of Change:** **On task 6100-0041 reduce labor to show the following final labor breakdown:****EC//SB = 40 man-hours****EC//EM = 120 man-hours****EA//SB = 0 man-hours****On task 6100-0049D add an additional $20,350.55 to M&S (41) ($27,473.25 loaded)** |

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| **NATIONAL SPHERICAL TORUS UPGRADE PROJECT****Engineering Change Proposal (ECP)** |
| ***PART I CONTINUATION SHEET******(TO BE COMPLETED BY ORIGINATOR)*** |
| **Originator:**       **Paul Sichta** | **Date: 9/14/2011** |
|       |

**Reviewer Comment Guidelines**

Reviewers will complete a reviewer comment sheet (either using the Part II form included in this procedure or in any other acceptable format such as e-mail, word, etc.). The reviewer comment sheet shall contain at a minimum the following information:

* ECP Number and Title;
* Reviewer Name;
* Indications on whether or not corrections needed and the specific modifications/corrections needed (e.g., additional reviewers, correction to impact statements, modifications to the ECP to include other impacted documents, etc.);
* Whether or not the reviewer concurs in the ECP without comment or concurrence if recommended modifications/corrections are made.

This information should be submitted to the Systems Engineering Support Manager who will tally all the comments and attempt to reach a resolution with the ECP initiator.

A sample Part II of the ECP form is follows in this attachment if the reviewer opts to utilize it.

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| **NATIONAL SPHERICAL TORUS UPGRADE PROJECT****Engineering Change Proposal (ECP)** |
| ***PART II*** ***(TO BE COMPLETED BY REVIEWERS)*** |
| **ECP No: 003** | **ECP Title: Reduce man-hours on task 6100-0041. Add this budget as M&S in task 6100-0049D** |
| **Reviewer:** **Corrections Needed?** **[ ]  Yes** **[ ]  No** * **If yes, identify corrections needed:**

**Concur?** **[ ]  Yes** **[ ]  No** * **Provide reasons for concurrence/rejection:**

**Other Recommendations?** **[ ]  Yes** **[ ]  No** * **Identify Recommendations**

**NOTE: Forward completed Part II to Systems Engineering Support Manager via e-mail indicating that your review is completed.** |

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| **NATIONAL SPHERICAL TORUS UPGRADE PROJECT** **Engineering Change Proposal (ECP)** |
| ***PART II CONTINUATION SHEET******(TO BE COMPLETED BY REVIEWER)*** |
| **Originator:**       **Paul Sichta** | **Date: 9/14/2011** |
|       |

***NOTE: Part II – Review Form will be multiple pages from each reviewer.***