

NATIONAL COMPACT STELLARATOR PROJECT

Engineering Change Proposal (ECP)

COVER PAGE

(TO BE COMPLETED BY SYSTEMS ENGINEERING SUPPORT MANAGER)

Originator: Ron Strykowski

Date: November 9, 2004 (Rev 1)

ECP No: 016

ECP Title: Reprogramming for FY-04 Closeout

Required Reviewers

Required Reviewers for this ECP:

M. Kalish (WBS 13), R. Ramakrishnan (WBS 432), B. Blanchard (WBS 21), D. Williamson (WBS 14), B. Nelson (WBS 1), M. Cole (WBS 19), L. Dudek (WBS 61), P. Goranson (WBS 12), A. vonHalle (WBS 4), R. Strykowski (Project Control), W. Reiersen (NCSX Engineering Manager), H. Neilson (NCSX Project Manager)

ECP Approval Level

Expedited ECP? ☐ Yes ☒ No

Change Level: 3 Project

Approving Official: 3 Project

Actions

(1) Revise cost and schedule baselines and WAFs to reflect these changes.

APPROVALS

(TO BE COMPLETED BY APPROVING OFFICIALS)

Change Level	Approving Official	Approval?	Signature
3	NCSX Project Manager	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
3a (Expedited ECP)	NCSX Engineering Manager	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2	NCSX Federal Project Director	<input type="checkbox"/> Yes <input type="checkbox"/> No	
1	Associate Director OFES	<input type="checkbox"/> Yes <input type="checkbox"/> No	
0	Under Secretary of Energy	<input type="checkbox"/> Yes <input type="checkbox"/> No	

NATIONAL COMPACT STELLARATOR PROJECT

Engineering Change Proposal (ECP)

PART I *(TO BE COMPLETED BY ORIGINATOR)*

Originator: Ron Strykowski

Date: October 15, 2004

Overview of Change

Type of ECP: ☐ EXPEDITED ☒ STANDARD

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

(Check all that Apply)

Reason for Change: Determination made that specific job scopes are not needed to satisfy CD-4 requirements and that budget made available will be reprogrammed augment the budgets for existing work scope in which the scope is determined to be more complex and costly than originally planned.

Net impact is a zero cost.

Impacted WBS Elements:

- Jobs in which funds being reprogrammed from:
 - WBS 133 Job 1354 – trim coil system. Reprogramming \$200K by adopting a simplified initial trim coil system that is adequate for CD-4 and initial research phases.
 - WBS 21 – fueling system. Reprogramming \$60K by adopting a simplified initial fueling system. The ability to inject one gas species at a time is adequate for CD-4 and initial research phases.
 - WBS 432 Jobs 4310 and 4350 – D to C site systems. Reprogramming \$439K of budget and FY2004 costs. This scope has been reclassified as a non-MIE NCSX scope.
 - WBS 612 - NB Cooling System. Reprogramming ~\$240K by deleting scope that exceeds CD-4 requirements.
 - WBS 614 – Bakeout Water System. Reprogramming 38K by deleting scope that exceeds CD-4 requirements.
- Job in which funds to be reprogrammed:
 - WBS 121 Job 1202 – VV R&D. Added \$15K.
 - WBS 141 Job 1404 – MCWF R&D. Added \$93K for prototype and contract admin oversight.
 - WBS 142 Job 1403 – Mod coil final design. Added \$139K.
 - WBS 144 Job 1407 – MC winding facility. Added 507K for additional winding tooling, fixtures, and hardware complexity.
 - WBS 19 Job 1901 – Stellarator core management and oversight. Added \$30K.
 - WBS 82 Job 8202 and 8203 – Engineering management and design integration. Added \$193K.

Impacts of Change (Briefly Describe): None

Assessment of Other Options: None

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PART I

(TO BE COMPLETED BY ORIGINATOR)

Originator: Ron Strykowski

Date: October 15, 2004

Detailed Description of the Change:

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

List Attachments, Impacted Documents, etc.

None

Description of Change: Included above.