

NATIONAL COMPACT STELLARATOR PROJECT

Engineering Change Proposal (ECP)

COVER PAGE

(TO BE COMPLETED BY SYSTEMS ENGINEERING SUPPORT MANAGER)

Originator: Mike Kalish	Date: April 10, 2006
ECP No: 046	ECP Title: Update of TF Coil Assembly Requirements

Required Reviewers

Required Reviewers for this ECP: J.Chrzanowski, L. Dudek, B. Nelson, W. Reiersen, J. Levine, J. Malsbury, I. Zatz

ECP Approval Level

Expedited ECP? ☐ Yes ☒ No

Change Level: 3 Project

Approving Official: 3 Reg ECP - Project Manager

Actions

- Update CSPEC 131-01-01 (draft) by April 14th.
- Update SOW 131-03 (draft) by April 14th.

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	Deputy 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)* **ECP- 046**

Originator: Mike Kalish

Date: April 10, 2006

Overview of Change

Type of ECP: ☐ EXPEDITED ☒ STANDARD

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

(Check all that Apply)

Reason for Change: Decision made to keep stellarator symmetry in the TF coil assembly leads. Accordingly, we now only have one type of one type of coil assembly lead orientation vs. two. Simplifies procurement.

Impacted WBS Elements: 131

Impacts of Change (Briefly Describe): Deleted references to two versions of the coil assembly (left and right) lead orientation.

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: After discussions, decided that having only one version would simplify procurement and likely lead to cost savings when contract awarded.

List Attachments, Impacted Documents, etc.

- Draft TF Coil Assembly CSPEC (CSPEC-131- -01-01)
- Draft TF Coil Assembly SOW (SOW-131-03-01)

NATIONAL COMPACT STELLARATOR PROJECT
Engineering Change Proposal (ECP)
ECP- 046

PART I
(TO BE COMPLETED BY ORIGINATOR)

Originator: Mike Kalish

Date: April 10, 2006

Detailed Description of the Change:

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

Description of Change:

- **Changes to CSPEC:**
 - **Section 3.1 - Deletes references to two versions of the coil assembly, Right and Left Leads.**
 - **Section 5.1 - Deletes drawing references to obsolete left lead drawings – made consistent format to MCWF and VVSA CSPECs.**
- **Changes to SOW:**
 - **Section 1.1 - Deletes references to two versions of the coil assembly, Right and Left Leads.**
 - **Section 3 - Deletes drawing reference to buying 9 of each type of coil; now buying 18 of the standard type.**
 - **Section 5 - Deletes drawing references to obsolete left lead drawing.**