

NATIONAL COMPACT STELLARATOR PROJECT

Engineering Change Proposal (ECP)

COVER PAGE

(TO BE COMPLETED BY SYSTEMS ENGINEERING SUPPORT MANAGER)

Originator: Dave Williamson

Date: November 30, 2005

ECP No: 040

ECP Title: Update of Modular Coil SRD

Required Reviewers

Required Reviewers for this ECP:

Phil Heitzenroeder, Jim Chrzanowski, Brad Nelson, Larry Dudek, Mike Zarnstorff, Jerry Levine, Judy Malsbury, Wayne Reiersen, Hutch Neilson

ECP Approval Level

Expedited ECP? ☐ Yes ☒ No

Change Level: 3 Project

Approving Official: 3 Reg ECP - Project Manager

Actions

Update Modular Coil SRD (NCSX-BSPEC-14) by December 2, 2005

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-040

Originator: Dave Williamson

Date: November 30, 2005

Overview of Change

Type of ECP: ☐ EXPEDITED ☒ STANDARD

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

(Check all that Apply)

Reason for Change: Updated SRD to reflect recent changes to technical requirements.

Impacted WBS Elements: WBS 14

Impacts of Change (Briefly Describe):

- (1) Revised Appendix A _ Quality Conformance Matrix to identify how and when verification would take place
- (2) Changed the applied voltage for the toroidal break from 6V to 150V to withstand instantaneous disruptions should they occur (ref. Section 3.2.1.2.5.1.1)

Assessment of Other Options: None

List Attachments, Impacted Documents, etc.

- (1) Draft of NCSX-BSPEC-14-01