

NATIONAL COMPACT STELLARATOR PROJECT

Engineering Change Proposal (ECP)

COVER PAGE

(TO BE COMPLETED BY SYSTEMS ENGINEERING SUPPORT MANAGER)

Originator: Mike Kalish

Date: September 11, 2007

ECP No: 057

ECP Title: Update of TF Coil CSPEC

Required Reviewers

Required Reviewers for this ECP: J.L. Anderson, J. Chrzanowski, L. Dudek, I. Zatz, P. Heitzenroeder, J. Levine, W. Reiersen

ECP Approval Level

Expedited ECP? Yes No

Change Level: 3 Project

Approving Official: 3 Reg ECP - Project Manager

Actions

Update CSPEC NCSX-CSPEC-131-01 (Product Specification for the TF Coil Assembly)

APPROVALS

(TO BE COMPLETED BY APPROVING OFFICIALS)

Change Level	Approving Official	Approval?	Signature
3	NCSX Project Manager	<input type="checkbox"/> Yes <input type="checkbox"/> No	
3a (Expedited ECP)	NCSX Engineering Manager	<input checked="" 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-057

Originator: Mike Kalish

Date:

Overview of Change

Type of ECP: EXPEDITED STANDARD

Type of Change: TECHNICAL COST SCHEDULE EDITORIAL

(Check all that Apply)

Reason for Change: Updated CSPEC to correct DC Resistance and Flow Characteristics. Procurement updating contract for other reasons, but need to update specification to reflect correct requirements. No change in contract anticipated because of these changes.

Impacted WBS Elements: 13

Impacts of Change (Briefly Describe):

- Updated Section 3.2.1.2.1 (DC Resistance) to correct resistance – original specification was for one layer and not four. Changes from 1190 micro-Ohms to 4760 micro-Ohms.
- Updated Section 3.2.1.3.2 (Flow characteristics) to correct pressure drop – original specification was for one layer and not four. Changes from 11.8 liters/min to 5.11 liters/minute.

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? Use as is.

Assessment of Other Options: None

List Attachments, Impacted Documents, etc.: NCSX-CSPEC-131-01 (will become Revision 3)