

NATIONAL COMPACT STELLARATOR PROJECT

Engineering Change Proposal (ECP)

COVER PAGE

(TO BE COMPLETED BY SYSTEMS ENGINEERING SUPPORT MANAGER)

Originator: Bob Simmons

Date: July 7, 2005

ECP No: 034

ECP Title: VV Trinos Flange

Required Reviewers

Required Reviewers for this ECP:

P. Goranson, M. Viola, B. Nelson, R. Strykowski, W. Reiersen, J. Levine, J. Malsbury, F. Malinowski

ECP Approval Level

Expedited ECP? ☐ Yes ☒ No

Change Level: 3 Project

Approving Official: 3 Reg ECP - Project Manager

Actions

(1) Adjust Cost/Schedule Baseline Documentation by July 30th.

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)*

Originator: Bob Simmons

Date: July 7, 2005

Overview of Change

Type of ECP: ☐ EXPEDITED ☒ STANDARD

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

(Check all that Apply)

Reason for Change:

The project has authorized the VVSA supplier to purchase Trinos Flanges for the ports. The originally specified MDC flanges, which have already been purchased, will be shipped to PPPL and will be available for fabrication of the removable port extensions during the operations phase of the project. This change is made to reduce the risk of field errors due to high magnetic permeability in the flanges. This is projected at a cost increase of ~\$39K. This change does not require a change to any technical requirements.

In parallel, the Control Rooms Wall Refurbishment task has now been determined to be a GPP activity consistent with PPPL's cost accounting standards. This will free up ~\$39.5K (what was in the NCSX job) to pay for this cost increase in the VV for the procurement of the Trinos Flanges.

Impacted WBS Elements: WBS 12 and WBS 75.

Impacts of Change (Briefly Describe): Net result will be zero, but funds will be transferred from WBS 75 to WBS 12.

Assessment of Other Options: Other material flanges evaluated, but none will meet the magnetic permeability requirements as closely as do the Trinos flanges.

List Attachments, Impacted Documents, etc.

(1) Budget Reconciliation Sheet (ECP-031 – ECP-033 and ECP-034)