

NATIONAL COMPACT STELLARATOR PROJECT

Engineering Change Proposal (ECP)

COVER PAGE

(TO BE COMPLETED BY SYSTEMS ENGINEERING SUPPORT MANAGER)

Originator: Bob Simmons

Date: May 27, 2005

ECP No: 032

ECP Title: RFD NCSX-RFD-12-006

Required Reviewers

Required Reviewers for this ECP:

W. Reiersen

ECP Approval Level

Expedited ECP? Yes No

Change Level: 3 Project

Approving Official: 3a Expedited ECP - Engineering Manager

Actions

Contactually authorize Major Tool to purchase ¼ inch and 3/16 inch ASTM 625 (Inconel or other brand) plate to manufacture 3.5 inch Sch40 pipe and 2.5 inch Sch10 pipe.

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	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: Bob Simmons

Date: May 27, 2005

Overview of Change

Type of of ECP: **EXPEDITED** **STANDARD**

Type of Change: **TECHNICAL** **COST** **SCHEDULE** **EDITORIAL**

(Check all that Apply)

Reason for Change: This deviation requests authorization to manufacture the 3.5 inch Sch40 pipe from ¼ inch ASTM 625 plate and the 2.5 inch Sch10 pipe from 3/16 inch plate if needed. Sch40 pipe is in scarce supply and insufficient quantities exist to complete all the VVSA 3.5 inch port extensions. Although 2.5 inch Sch10 pipe in sufficient quantities are available at Major Tool, this deviation permits Major Tool to also manufacture additional 2.5 inch Sch10 pipe from plate if needed.

Impacted WBS Elements: WBS 12

Impacts of Change (Briefly Describe): No change on technical specification. RFD NCSX-12-002R1 previously permitted substitution of Sch10 pipe for Sch40 pipe for the 2.5 inch port extensions. No cost or schedule impact.

Assessment of Other Options: None

Attachments: Approved RFD NCSX-12-006