

NATIONAL COMPACT STELLARATOR PROJECT

Engineering Change Proposal (ECP)

COVER PAGE

(TO BE COMPLETED BY SYSTEMS ENGINEERING SUPPORT MANAGER)

Originator: Mike Viola	Date: March 24, 2005
ECP No: 027	ECP Title: NCSX Vessel Port Manufacture – Material Change

Required Reviewers

Required Reviewers for this ECP:
Mike Viola, Paul Goranson, Brad Nelson, Jerry Levine, Judy Malsbury

ECP Approval Level

Expedited ECP? ☒ Yes ☐ No

Change Level: 3 Project

Approving Official: 3a Expedited ECP - Engineering Manager

Actions

- (1) Approve RFD-12-002 (but not the substitution of Haynes Alloy for Inconel)
- (2) Issue Contract Addendum to incorporate RFD-12-002 by April 24, 2005
- (3) Update NCSX-CSPEC-121-02 to incorporate RFD-12-002 by April 24, 2005
- (4) Prepare ECN (#4972 Assigned) and update impacted PDF drawings by April 24, 2005

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: Mike Viola

Date: March 24, 2005

Overview of Change

Type of ECP: ☒ **EXPEDITED** ☐ **STANDARD**

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

(Check all that Apply)

Reason for Change: MTM requested deviation due to long lead time for Schedule 40 pipe.

Impacted WBS Elements: 121 Job 1250

Impacts of Change (Briefly Describe): MTM requested to:

1. Substitute schedule 10 pipe for specified schedule 40 [*FOR 2-1/2 INCH PIPE ONLY*]

OR

2. Substitute Haynes Alloy C-276 for ASTM B705 / ASTM B444 / ASTM B443.

Assessment of Other Options: None

List Attachments, Impacted Documents, etc. - RFD-12-002

Description of Change:

RLM (B. Nelson) dispositioned RFD-12-002 as follows:

- (1) Approved - substitution of sch 10 for the 2 1/2" sch 40 pipe is accepted.
- (2) Not Approved - the substitution of Haynes Alloy for Inconel is rejected.
- (3) Since this does not impact the design, the drawings do not need to be updated.
- (4) The CSPEC should be updated within 30 days to list this and other approved deviations (new Appendix B).