NATIONAL COMPACT STELLARATOR PROJECT Engineering Change Proposal (ECP) COVER PAGE

(TO BE COMPLETED BY SYSTEMS ENGINEERING SUPPORT MANAGER)				
Originator: Paul Gorai	nson	Date: 11/04/2004		
ECP No: ECP-017	ECP	Title: Modification of Va	cuum Vessel Subassembly	
	(VVS	SA) Inner Support Bosses to Ut	ilize Simplified Hangers	
	<u>Re</u>	<u>equired Reviewers</u>		
	r this ECP: WBS M	Ianager, WBS 1 Project Engine	eer, Engineering Manager,	
QA, Project Manager				
		CP Approval Level		
· —	Yes No			
Change Level: 3 Proje	ct			
Approving Official: 3	Reg ECP - Project	Manager		
		<u>Actions</u>		
Update listed docume	nts to reflect approve	ed changes.		
	A.	PPROVALS		
(TO	BE COMPLETE	D BY APPROVING OFF	(CIALS)	
Change Level	Approving	Approval?	Signature	
2	Official			
3	NCSX Project	⊠ Yes □ No		
3a	Manager NCSX			
		∐Yes		
(Expedited ECP)	Engineering Manager			
2	vianager			
2	NCSX Federal	Yes No		
_	NCSX Federal Project Director			
1	NCSX Federal Project Director Associate	Yes No		
1	NCSX Federal Project Director Associate Director OFES	Yes No		
_	NCSX Federal Project Director Associate			

NATIONAL COMPACT STELLARATOR PROJECT Engineering Change Proposal (ECP)

PART I				
(TO BE COMPLETED BY ORIGINATOR)				
Originator: Paul Goranson Date: 11/04/2004				
Overview of Change				
Type of of ECP: EXPEDITED STANDARD				
Type of Change: TECHNICAL COST SCHEDULE EDITORIAL				
(Check all that Apply)				
Reason for Change: To incorporate a new support design which will streamline assembly and installation procedures for VVSA, and incorporate editorial changes and vendor recommendations.				
Impacted WBS Elements: 1202				
Impacts of Change (Briefly Describe): The change will reduce complexity and cost of VVSA handling and installation.				
Assessment of Other Options: None				

NATIONAL COMPACT STELLARATOR PROJECT Engineering Change Proposal (ECP)

PART I

(TO BE COMPLETED BY ORIGINATOR)

Originator: Paul Goranson Date: 11/04/2004

Detailed Description of the Change:

(Use Continuation Sheets and/or Attach Information/Sketches, As Needed)

List Attachments, Impacted Documents, etc.

Ref	: ECN	I-4933
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SE120-002	Vacuum Vessel Subassembly (VVSA)
SE120-004	Vacuum Vessel Period Inspection and Leak Check Assembly
SE122-018	Vacuum Vessel Port 12 Flange Detail
SE122-019	Vacuum Vessel Port 12 Seal Retainer
SE122-049	Vacuum Vessel Port 4 Flange Detail
SE120-057	Vacuum Vessel Port 4 Seal Retainer Detail
SE120-072	Vacuum Vessel Port NB Flange Detail
SE120-104	Vacuum Vessel Port 12 Cover Test Flangs Weldment
SE120-105	Vacuum Vessel Leak Test Block
SE120-172	Vacuum Vessel NB Port Cover Test Flange
SE120-173	Vacuum Vessel Port NB Seal Retainer

NCSX-CSPEC-121-02-03 Product Specification for the Vacuum Vessel Subassembly

Description of Change:

SE120-002 Editorial change to BOM SE120-004, sht 1 Editorial change to BOM SE120-004, sht 15 Editorial change to callouts

SE120-004, sht 18 Design change to inner weld bosses to accommodate new support

interface, including change in location, thread size and orientation.

SE122-018 Relax in tolerance SE122-019 Relax in tolerance SE122-049 Relax in tolerance

SE122-057 Add missing dimension, relax tolerance

SE122-072 Add missing true position callout, relax tolerance

SE122-104 Add missing port dimension

SE122-105 Change recess to full radius per contractor request SE122-172 Relax tolerances, add missing stock thickness

SE122-173 Relax tolerances