NATIONAL COMPACT STELLARATOR PROJECT **Engineering Change Proposal (ECP)**

COVER PAGE					
(TO BE COMPLETED BY SYSTEMS ENGINEERING SUPPORT MANAGER)					
Originator: PL Goranso					
ECP No: ECP-04-013	ECP Title: Modification to seals on Spool Piece and End Piece				
for Vacuum Vessel Joint R&D					
Required Reviewers					
Required Reviewers for this ECP: P. Heitzenroeder					
		ECP Approval Leve	<u>el</u>		
Expedited ECP?	Expedited ECP? Xes No				
Change Level: 0 Unde	Change Level: 0 Under Secretary				
Approving Official: 0 Under Secretary					
Actions Update drawings SE1203-001 through SE1203-008, SE1203-11, SE1203-12, SE1203-15, SE1203-16, and SE1203-17 to reflect vendor recommendations. Update statement of work NCSX-SOW-121-02-01 to remove procedures obsoleted by changes in the design.					
(ТО	BE COMPLI	APPROVALS ETED BY APPRO	VING OFF	ICIALS)	
(TO	Approving	ETED BY APPRO		Signature	
Change Level	Approving Official NCSX Proje Manager	ETED BY APPRO		,	
Change Level 3 3a	Approving Official NCSX Proje Manager NCSX	ETED BY APPRO Appro ect Yes Yes	val?	,	
Change Level	Approving Official NCSX Proje Manager	ETED BY APPRO Appro ect Yes Yes	val?	,	
Change Level 3 3a	Approving Official NCSX Proje Manager NCSX Engineerin Manager NCSX Feder	ETED BY APPRO Appro ct	val?	,	
Change Level 3 3a (Expedited ECP)	Approving Official NCSX Proje Manager NCSX Engineerin Manager NCSX Feder Project Direct Associate	Appro Appro Cut Yes Yes Yes Tal Tal Tyes Yes	val?	,	
Change Level 3 3a (Expedited ECP) 2	Approving Official NCSX Proje Manager NCSX Engineerin Manager NCSX Feder	Appro Appro Appro Cut Yes Yes Gral Yes Toring Yes Toring Yes Toring Yes	No No No	,	

NATIONAL COMPACT STELLARATOR PROJECT

Engineering Change Proposal (ECP) PART I (TO BE COMPLETED BY ORIGINATOR) **Originator:** Date: **Overview of Change Type of of ECP: EXPEDITED** STANDARD \boxtimes TECHNICAL \boxtimes COST \square SCHEDULE **EDITORIAL Type of Change:** (Check all that Apply) Reason for Change: Vendor recommendation to relax contour tolerances and change the seal from a welded wire to a compliant seal material (Grafoil), resulting in looser tolerance requirements and less distortion in the seal plates. Impacted WBS Elements: None Impacted. **Impacts of Change (Briefly Describe):** The change will reduce fabrication cost of the assembly and result in a better fitup due to reduction in distortion. The change in design also eliminates the need for dry fitup and pressure testing of the assemblies as required in the SOW. **Assessment of Other Options:** None

NATIONAL COMPACT STELLARATOR PROJECT Engineering Change Proposal (ECP)

PART I (TO BE COMPLETED BY ORIGINATOR)

Originator: Date:

Detailed Description of the Change:

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

List Attachments, Impacted Documents, etc.

Drawing pakage SE1203, Revision A incorporates these changes.

Description of Change:

SE1203-001 Updated to show changes

SE1203-002 Mating grooves changed, filet weld removed, views updated, vent hole details added to sheet 3.

SE1203-003 Mating grooves changed, views updated

SE1203-004 Filet weld removed, added note 7

SE1203-005 Filet weld removed, added note 7.

SE1203-006 Udate sections

SE1203-007 Update sections, remove fillet weld

SE1203-008 Removed

SE1203-0011 Added contour tolerance

SE1203-0012 Removed

SE1203-0015 Tolerances changed

SE1203-0016 Changed dimensions

SE1203-0017 Changed dimensions