	FACE CONTROL DOC	(Page 1)		
	2-142-0001 Vacuum Vessel a	Primary Author: P. Gor	ranson	
Modular Coil assembly clearances Impacted WBS Elements: WBS 121, WBS 14, WBS 123, WBS 122		Type of Interface: M. Interface	Type of Interface: Mechanical/Envelope Interface	
to final assembly of the accomplish this task a		SA. This ICD defines the		
Record of Revisions Revision Number 0	Initial Issue	Description	Date February 10, 2005.	
Revision Number		Description		
Revision Number 0		Description		
Revision Number 0		Description WBS Manager:		
0 Approvals				

ICD DETAIL SHEET

(Page 2)

(Use Continuation Sheets as Necessary to Include the Following Applicable Information)

Scope of Interface:

This interface impacts the design and fabrication of the VVSA, the VVSA insulation, the VVSA heating/cooling tubes, and the MC shell structure.

Equipment and Responsibility List:

Vacuum Vessel Systems (WBS 121): Goranson

Modular Coils (WBS 14): Williamson

Vacuum Vessel Insulation (WBS 122): Goranson

Vacuum Vessel Heating Cooling Distribution System (WBS 123): Goranson

Design Integration (WSBS19):A Brooks

Related	ICDs:

Notes and Abbreviations:

Interface Block Diagrams:

Installation Information:

The VVSA surface is fitted with heating tubes and insulation wrap, after which the VVSA is slipped inside the MC shell. The VVSA and insulation wrap must clear the MC structure by minimum distances, as set forth in the referenced drawings, to permit this installation task.

WBS 12 is responsible for design of the VVSA and coordination with WBS 14, WBS 122, WBS 19, and WBS 123 to assure proper clearance with the MC and definition of the radial buildup of the VVSA external components.

Other Pertinent Information:

Reference Documents

The memo below from the FDR documents the clearances of the VV and MC assembly: http://ncsx.pppl.gov/NCSX_Engineering/File_Cabinet/Files2/Brooks/040512_AssemblyClearances/

The ProE Intralink model se185-000.asm incorporates the assembly path into the model of the assembly fixture which integrates the VV and MC assembly.