

INTERFACE CONTROL DOCUMENT TITLE AND APPROVAL PAGE

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ICD Number: NCSX-ICD-161-43-0004

Primary Author: B. Nelson

Impacted WBS Elements: 162, 43

Type of Interface: electrical power interface

Description of Interface:

This ICD describes the mechanical interface between the coil leads and the buswork from the power supplies.

There are 9 sets of lead interfaces as follows:

Mod coils: 3 circuits

TF coils: 1 circuit

PF coils: 5 circuits (PF1 and 2 in series, PF3, PF4, PF5, PF6)

Each interface occurs just outside extensions to the cryostat, near the floor of the machine

The interface is nominally at room temperature

The interface includes a pair of lugs for the power leads and two 16 gage lead wires for voltage taps on the coils.

Record of Revisions

Revision Number	Description	Date
0	Initial Issue	April 14, 2003

Approvals

WBS Manager: D. Williamson	WBS Manager: R. Ramakrishnan.
Project Engineer: B. Nelson	Project Engineer: L. Dudek
Systems Engineering Support Manager: R. Simmons	

ICD DETAIL SHEET

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

Scope of Interface:

This ICD describes the mechanical interface between the coil leads and the buswork from the power supplies.

Equipment and Responsibility List:

Leads and lugs connected to coils: WBS 162
Voltage tap leads connected to coils: WBS 162
Buswork from power supplies: WBS 4?
Leads from voltage taps to control room: WBS 4?

Related ICDs:

Notes and Abbreviations:

Interface Block Diagrams:

See attached sketch

Installation Information:

TBD

Other Pertinent Information:

WBS 16 drawing: TBD
WBS 14 drawing: TBD