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SUBJECT: WBS 1429 Modular Coil Interface R&D

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Scope

This work covered the R&D Testing for the Modular Coil shims and stud kits. Testing included friction tests at room and cryogenic temperatures of the alumina and G-10 shim assemblies with studs. Also included cyclic tests of the shear plate welds

Status

This work was completed and bried reports were written to document the results.

Interfaces

None

Specifications

None this was R&D work

Schematics and PIDs

None

Models

None

Drawings

None

Analyses

None

Testing

This job covered the testing of the Friction Coefficients of the G-10 and Alumina coated shims, Cryogenic Effects on Stud Tension Tests and Fatigue Testing on the Shear Plate Weld Samples. Details of these results can be found in reports on these test stored in the NCSX Archives.

Costs

None

Remaining Work

None Planned

Lessons Learned:

None

Conclusion:

This WBS was opened as a catchall for any testing work required as part of the design work for the MC Shims and attachment hardware.