| NATIONAL COMPACT STELLARATOR PROJECT Engineering Change Proposal (ECP) | | | |
|---|---------------------------------------|------------------|-----------|
| COVER PAGE | | | |
| (TO BE COMPLETED BY SYSTEMS ENGINEERING SUPPORT MANAGER) | | | |
| Originator: Wayne Rei | iersen Date: September 7, 2005 | | |
| ECP No: 037 | ECP No: 037 ECP Title: GRD Revision 3 | | |
| Required Reviewers | | | |
| Required Reviewers for this ECP: Hutch Neilson, Brad Nelson, Mike Zarnstorff, Larry Dudek, Al vonHalle, Dave Johnson, Erik Perry, Judy Malsbury, Jerry Levine | | | |
| ECP Approval Level | | | |
| Expedited ECP? 🗌 Yes 🛛 No | | | |
| Change Level: 3 Project | | | |
| Approving Official: 3 Reg ECP - Project Manager | | | |
| Finalize and approve GRD by September 30 th . | | | |
| APPROVALS (TO BE COMPLETED BY APPROVING OFFICIALS) | | | |
| Change Level | Approving Official | Approval? | Signature |
| 3 | NCSX Projec Manager | ct Yes No | |
| 3a (Expedited ECP) | NCSX Engineering Manager | g Yes No | |
| 2 | NCSX Federa Project Direct | al Yes No tor | |
| 1 | Associate Director OFF | ES Yes No | |
| 0 | Deputy Secreta of Energy | ary Yes No | |

| NATIONAL COMPACT STELLARATOR PROJECT | | | |
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| Engineering Change Proposal (ECP) | | | |
| PART I | | | |
| (TO BE COMPLETED BY ORIGINATOR) | | | |
| Originator: Wayne Reiersen Date: September 7, 2005 | | | |
| Type of ECP: EXPEDITED STANDARD | | | |
| Type of Change: | | | |
| (Check all that Apply) | | | |
| Reason for Change: Updated GRD Appendix A, Technical Data Sheet to reflect updates. | | | |
| Impacted WBS Elements: WBS 14, WBS 13, & WBS 4 | | | |
| Description of Change (Briefly Describe): Updated Appendix A -Technical Data Sheet based on simulations performed with the following changes: Updated modular coils to have one additional turn per pancake; Updated modular coil conductor parameters consistent with the Modular Coil Conductor Specification (NCSX-CSPEC-142-03-01); Updated PF coil cross-sections consistent with the PF System General Arrangement (SE132-000) and conductor design (Detail Y of SE132-050); Updated TF coil conductor per SC131-014; and Updated total cabling loop resistance per NCSX B-4F1005 SH 1800C in simulations for First Plasma and Field Line Mapping Scenarios. Used current waveforms in "NCSX CD4 with C-site Supplies", M. Zarnstorff, dated 18 August 2004 directly for those simulations. | | | |
| Assessment of Other Options: None. | | | |
| List Attachments, Impacted Documents, etc. (1) General Requirements Document Draft A to Revision 3 – NCSX-ASPEC-GRD-03-dA | | | |
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