

From: Hutch Neilson

Sent: Tuesday, November 20, 2007 9:57 PM

To: Michael R. Kalish

Cc: Michael C. Zarnstorff; Phil Heitzenroeder; Subrahmanya Ramakrishnan; Arthur W. Brooks; Thomas G. Brown

Subject: Trim Coil requirements

Mike,

Following up on the recent peer review, here is the requested guidance regarding trim coil requirements:

1. Response time / voltage: zero to 20 kA-turn in 20 ms (Strawman) Please advise on the voltage and force implications before going too far with this.
2. Dimensional accuracy: Fabrication tolerance: $\pm 1/4$ in.; Positioning tolerance: $\pm 1/2$ in. Record as-built dimensions.
3. Midplane coils: examine the feasibility of adding two coils straddling the midplane at the C-C joints. One coil on each side of the joint.

Hutch