FMAG/KMAG LOCKOUT-CONFIGURATION CONTROL PROCEDURES

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Part of the transition of the NM4 experimental hall from controlled to supervised access is to lock out the power supplies for the experiment beam dump and analysis magnets, FMAG and KMAG, respectively. These power supplies have the designation F:NM3S (FMAG) and F:NM4AN-1,2 (KMAG). This document provides the procedure to perform that configuration control operation for either or both magnets.

FMAG:

1. From an ACNET console, check the status of F:NM3S. Current should be set to zero and readback should be under 10A.
2. Phone Main Control room to turn KMAG (F:NM3S) to the “OFF” state; wait until the operator confirms.
3. Obtain the configuration control lock for FMAG from the key tree in the NM4 control room and proceed to the NS7 service building located approximately 100m upstream of the NM4 building. Entering the NS7 building requires an AC4 key.
4. Turn off the NM3S power supply at the front panel switch.
5. Place the configuration control lock for FMAG on NM3S.
6. Return the configuration control lock to the key tree in the NM4 control room.
7. Note the change of configuration for FMAG in the SpinQuest/E1039 e-log.

KMAG:

1. From an ACNET console, check the status of F:NM4AN. Current should be set to zero and readback should be under 10A.
2. Phone Main Control room to turn KMAG (F:NM4AN) to the “OFF” state; wait until the operator confirms.
3. Obtain the configuration control lock for KMAG from the key tree in the NM4 control room and proceed to the NS7 service building located approximately 100m upstream of the NM4 building. Entering the NS7 building requires an AC4 key.
4. Turn off the NM4AN-1 and NM4AN-2 power supplies at their front panel switches.
5. Place the configuration control lock for KMAG on NM4AN-1.
6. Return the configuration control lock to the key tree in the NM4 control room.
7. Note the change of configuration for KMAG in the SpinQuest/E1039 e-log.