

Ops Tues 5th July

PG, JP, JB, MT, TB, MB, VBx2, HN, AN, PK, CR. PMH, TH, CMcW. SB, PF, RG, JG, MC, PS

Actions:

DS readback stands

FC readback to ISIS – stands

SSH disable/enable –PF has verified correct operation

– Proposal: Produce expert Mimic available only to MOM – mimic will be available to MOM who will be required to reset the password on 1st access – access will then be restricted to MOMs only.

Magnet Commissioning:

- Friday SSU to full current - all coils, currents as defined by JP.
 - Tripped 'due to noise on signal from coils'?
- Saturday: SSD ECE ramped up and down
 - success.
- Sunday ramp SSU and SSD ECE
 - At almost full current SSU tripped due to ground fault.
 - SSD ran to full current for 10 mins, then SSD ground fault, then on way down LTS lead tripped – energy dumped into magnet – warmed up.
- Monday: Test into 'shorts in link boxes' ran overnight – OK
- Tues: Test into magnets
 - ramped SSU ECE up to 110A, caused trip on earth fault. However QD detected rise in voltage on E1 and opened contactors.
 - Ramped up to 79A – same result – but with scope – noisy (needs filtering – implement dead band?)
 - Earth fault detection system is either causing voltage to appear on voltage taps or earth fault is causing voltage imbalance.

Discussion:

- Can we assume ground fault is outside magnet? – No
- Earth signal is made noisy by magnet – either regulation of PS or interaction with inductive load.
- Earth leakage detection on FC is different, passive.
- As action is 2-3hr ramp down - can we make relatively slow response and add long time constant filter to AGFD?
- Voltage taps on E1 is the cause of quench detector trips
- Earth fault only trips when connected – leave magnet connected and see if AGFD trips.
- JC proposes we should run a small current into magnet then insert a false AGFD trip signal – see if the QD system trips.

- Action on PMH to forward circuit diagrams to DL.
- Action on TH to forward results to US team
- Action on US team to respond.
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PG – do we have safety approvals for combined magnet running. CW- yes.

Operations:

Magnet testing will continue with DL staff until end 5/7/16, then hall will be handed over to MOM-PF.

Daytime running – relinquish control room to Ops

– FC current setting is 50A.

Start with straight tracks – 9am to 5pm

– BLOC HN, CR to shadow

Need bloc for Thurs though Sun.

CR BLOC Thurs Fri

sat sun - possible CR? Possible VB. HB to chase bloc.

PG – motion of PRY – monitored and now considered to be OK.

Shift training tomorrow – control room training and PPS training beginning Thurs shift.