MERIT action items from March 7, 2007 VRVS meeting

1. Shipment of all components will be postponed to March 14.

2. Before shipment, MIT will perform a room temperature pressure test to confirm the integrity of the solenoid conflact flanges.

3. In parallel with the shipment of the equipment, MIT will perform tests of materials for magnet lead spacers to determine the best procedures for application to the magnet for sealing at cryo-temperatures.

4. Upon arrival at CERN, the magnet will be first cryo-tested above ground in Building 180.

    a. A room temperature pressure test should be made not only to find leaks but also to pass the safety inspection and set the safety valve limits. For that reason the operational and design pressure values must be defined.
    b. The magnet will be connected to the cryogenics system but the tests will be paused as soon as leaks appear. The presence of a magnet expert is mandatory as there is no expertise available at CERN.

5. If necessary, lead spacers will be adjusted and/or replaced while in Building 180.
    a. CERN can provide access to workshops and some technical support but cannot take any initiative or responsibility for the repairs. All actions should be guided by the magnet expert.

6. Upon successful testing, the magnet will be placed in the TT2a tunnel and installed.
    a. Successful testing means ZERO leaks at room and cold temperatures. This is a strict limit as the TT2/TT2A tunnels have no ventilation.

7. Final cryo-testing will be performed in-situ in the TT2a area.

8. Prevision should be made for the heat jackets for the bore and snout.

    a. Should be verified that all what is needed will be included in the Hg-loop control system.