

## **Solenoid – Pre-Cooldown Instrumentation and Controls Checks**

**Date: August 4<sup>th</sup>, 2017**

**Time: 09:00 – 10:00**

*Attendees: Pablo Campero, Brian Eng, Ruben Fair, Probir Ghoshal, Nicholas Sandoval, Scot Spiegel and Wesley Moore*

1. Purification of the Solenoid planned to start on Friday 8/04/17 and run over the weekend.
  - 1.1. Ending of purification planned by Monday 8/07/17.
2. Discussed checkout procedures that need to be completed prior to the Solenoid cooldown.
  - 2.1. Agreed the following procedures as the most relevant:
    - 2.1.1. B000000901-P010 Hall B Cryogenics, Pre-Cooldown Valve Checkout Procedure
    - 2.1.2. B000000400-P006 Solenoid Low Current Voltage Tap Check Procedure
    - 2.1.3. B000000901-P006 Hall B Check Lists for Cool Down of Cryogenic Systems
    - 2.1.4. B000000901-P013 Hall B Solenoid System Cryogenics, Pre-Cooldown Instrument Checkout Procedure
  - 2.2. Ruben Fair will confirm if all sections and tasks in the mentioned procedures have to be completed or re-do; especially for the sections that requires checks on the Distribution Box and Torus Instrumentation.
  - 2.3. Found that procedure B000000901-P013 Hall B Solenoid System Cryogenics, Pre-Cooldown Instrument Checkout Procedure was not updated with the correct name on the repository documents.
    - 2.3.1. Pablo Campero will contact to Renuka Rajput-Ghoshal to make the proper corrections and updates.
  - 2.4. Agreed two day as the estimated time for the completion of the checkouts for mentioned procedures.
  - 2.5. Agreed that initial checks will start on 08/04/2017 and will be possibly completed by 08/09/2017.
3. Discussed about Solenoid local touch screen programming. Touch screen used to the local control of the valves and vacuum monitoring.
  - 3.1. Assigned to Pablo Campero and Brian Eng, and Wesley Moore to set the IP address.
  - 3.2. Agreed that Nicholas Sandoval will perform the programming of the Solenoid Touch screen.
4. Additional tasks discussed
  - 4.1. Test of the estimated temperatures in the coils (Based on resistance in the coils) will be performed by Probir Ghosal and Pablo Campero on 08/04/2017.
  - 4.2. Scot Spiegel and Ruben Fair will arrange the load cell cables to route them and attached to the Solenoid shield.
  - 4.3. Ruben Fair will contact to John Hogan to clarify discrepancies found by Wesley Moore in the new version of the ETI drawings (scheme 206).
    - 4.3.1. The new version of the drawings present duplicate temperature sensor for TS37 and sensor TS35 was omitted.
  - 4.4. Pablo Campero will contact to Dave Kashy to discuss the proper time to enable the Cooldown interlock in the PLC code.