Hall C PLCs Information and Work Request Meeting

Date: May 8, 2018
Time: 1:30PM – 3:00PM

Attendees: Peter Bonneau, Brian Eng, Pablo Campero, Mike Fowler, and Tyler Lemon

1. Overview of the PLC Network set-up
   a. Mike Fowler provided an overview of the PLC network configurations.
      i. Two PLC systems cover the entire control and monitoring in Hall C.
      ii. Both PLCs (HMS and SHMS) are connected to the Hall C network via Ethernet.
      iii. There are two additional backup PLC systems, redundant systems.

2. For DSG to begin work:
   a. DSG proposes to set up computers, similar to the set up that is currently established for the support of magnet controls in Hall B and in Hall D, in the DSG areas in the EEL building. Doing so will enable easy accessibility to the PLCs and effective online debugging.
   b. DSG is contacting Computer Center to set up the computers in the Hall C network.

3. Agreed on procedure to perform any implementation of PLC code for the HMS and SHMS.
   a. There is a PLC test station that is used to test any PLC code prior to its implementation in the HSM or SHMS control systems.
   b. The PLC test station located in TED building and will be open for any test required.
      i. The IP address 129.57.195.12 for the PLC test station was provided by Mike Fowler.

4. PLC software (RS-Loigix-5000 and FT View) licenses.
   a. Current PLC software Network licenses are managed by Steve Lassiter.
   b. Mike Fowler will request Steve Lassiter to provide DSG proper access.

5. Discussed priorities for tasks proposed in the "Hall C PLC support List" provided by Steve Lassiter and Mike Fowler.
   a. Mike Fowler mentioned that all tasks in the list are related to the magnets. Mike suggested that DSG start with the PLC programming required to communicate with the new NMR units.

6. DSG requested documentation to start getting familiar with the control systems and tasks assigned.
   a. Most of the documentation are to be found in the PLC code.
   b. PLC code files will be provided to DSG by Steve Lassiter.

7. DSG is generating a mailing list for communication between DSG and Hall C personnel.
   a. Initially, mailing list will include DSG members, Mike Fowler, Steve Lassiter, Jack Segal, and Cynthia Keppel.
   b. Additional members can be added to the mailing list at any time; to do so please notify Pablo Campero

8. Mike Fowler gave a walkthrough of the Hall C counting room and Hall C to Brian Eng, Pablo Campero and Tyler Lemon.

9. DSG members have trainings and safety requirements needed to access Hall C.