

## Hall C PLCs Licenses and Files Information Meeting

**Date: May 15, 2018**

**Time: 1:30PM – 2:30PM**

*Attendees: Peter Bonneau, Pablo Campero, Brian Eng, Mike Fowler, Amanda Hoebel, Steve Lassiter and Tyler Lemon*

### 1. RS-Logix 5000 licenses discussion.

- a. Computer with host name “skylla7” is used to access to the available license to run RS-Logix 5000 software for the HMS and SHMS PLCs
  - i. Computer is at the Hall C subnet (129.57.165.11)
  - ii. License type: RSLOGIX 5000 PRO, 9324-RLD700.
  - iii. License allows the access to one user. (run RS-Logix software only by one user at the time, if any other user wants to access to the software previous user using this license has to logout)
  - iv. To be able to access the RS-Logic software by using this license the user must be connected ether in the Hall C subnet (in the Hall C) or in the Hall C Development subnet (Out of Hall C).
- b. Laptop with host name “hallcsc-4” has one license available to run RS-Logic software and communicate with the HMS and SHMS PLCs.
  - i. Laptop is at the Hall C subnet (129.57.168.235)
  - ii. License type: RSLOGIX 5000 PRO, 9324-RLD700.
  - iii. License allows the access to one user.

### 2. PLC code files location for HMS and SHMS.

- a. There is two main PLC programs one for the HMS and the other for SHMS.
- b. Currently PLC programs (.ACD files) are storage in local computer located in the TEDF at 1154 room (Same location of PLC test station)
- c. Agreed to create a new folder which will have all PLC programs under development.
  - i. Pablo Campero will contact computer center to set up a folder where the PLC files will be located.
  - ii. The mentioned folder will allow access only to DSG members, Steve Lassiter and Mike Fowler.
- d. Steve Lassiter sent HMS PLC file to Pablo Campero
  - i. This will allow to DSG to start getting familiar with the code.

### 3. Implementation of the new PLC code in the HMS and SHMS.

- a. Standalone PLC test station located at within the TEDF building which is on the Hall C development subnet will be used to test all new PLC code prior to its actual implementation in the HMS and SHMS PLCs.
  - i. This will prevent any unexpected issues with the real magnets operations.
  - ii. Once the programs will be tested, they will be imported into the main PLC programs running in the HMS or SHMS.
- b. Any PLC input or output modules needed to perform the code tests will be provided and installed in the Standalone PLC test station by Steve Lassiter.

### 4. Metro Lab Tesla Precision NMR tesla meter, model PT2026 was provided to DSG.

- a. NMR controller will allow to DSG start with the one of the tasks assigned as part of the “Hall C PLC support” list.
  - i. The goal is generate a PLC program (subroutine) that communicates and send commands to the new NMR unit via Ethernet.
  - ii. The PLC subroutine will be implemented later for both spectrometers (HMS and SHMS)