

First Meeting to Discuss Hall C EPICS Development

Date: November 16, 2018

Time: 10:00 – 10:30 AM

Attendees: Amanda Hoebel, Amrit Yegneswaran, Brian Eng, Mike Fowler, Pablo Campero, Peter Bonneau, Steve Wood, Tyler Lemon

1. Control screens requested to allow easier remote monitoring of Hall C systems.
 - 1.1. Controls System Studio (CSS) will be used to develop screens.
 - 1.2. WebOPI will be used to make screens accessible from a standard internet browser.
 - 1.3. Screens will be read only.
 - 1.4. Screens will display a subset of PLC tags used on HMS and SHMS PLCs.
 - 1.4.1. All initial tags/Process Variables (PVs) desired are already sent to EPICS.
 - 1.5. Cryogenics screens should have priority.
 - 1.6. Anticipate separate screens to be developed for each magnet and other subsystems.
2. Hall C's current EPICS system:
 - 2.1. Subset of PLC tags sent as PVs to EPICS by Windows 7 PC Skylla7.
 - 2.2. Accelerator has their own EDM screens that use PVs.
 - 2.3. There is a separate, antiquated system for Hall C's HV.
3. Immediate tasks to begin development of new control screens:
 - 3.1. Mike Fowler will send list of PVs already in EPICS and a defined a list of screens needed.
 - 3.2. Tyler Lemon will begin developing CSS screens from PV list.
 - 3.3. Brian Eng will ask Hall B how their webOPI server is done and whether it can become a shared server with Hall C.
4. Future tasks after initial CSS screen development:
 - 4.1. Develop CSS interface for HV to replace old system.
 - 4.2. Improve control screens to increase their monitoring capabilities.
 - 4.2.1. Add plotting features that are easily accessible in webOPI.
 - 4.3. Develop a Linux-based IOC server to replace Windows IOC on Skylla7.
5. Meetings to discuss EPICS progress will be held on a monthly basis.
 - 5.1. Meetings to be tentatively planned for Fridays at 10:00AM.
 - 5.2. Frequency of meetings can be increased if needed.