

Updated 1/9/2019

Detector Support Group - Hall C EPICS Tasks List

Item	System	Description	Priority	Primary Person	Status	Technical Comments
1	WEDM	Get PV list from Hall C and verify existence of PVs on IOCs.	1	Amanda	Completed	Cryogenics EPICS PV signal list received from Hall C and retrieved from Skylla 7 PC
2	WEDM	Develop script to programmatically create WEDM screens in text display format.	1	Amanda	Completed	Instead of having to manually create GUIs in EDM, developing a script allows us to consistently place and space items on screen.
3	WEDM	Develop cryogenic monitoring screens for HMS, SHMS, and Hall C with PVs displayed as list.	1	Pablo	Completed	Allows remote monitoring of HMS, SHMS, and Hall C Cryogenics through a web browser.
4	WEDM	Deploy and debug screens in WEDM	1	Amanda	Completed	PVs and screen layout need to be verified before screens are put into use by shift-takers.
5	WEDM	Make temporary main menu on userweb for debugging	2	Tyler	Completed	Allows debugging of screens and menus before handing EDM files over to Accelerator since DSG does not have write permissions for Jmenu's menu configuration.
6	WEDM	Put main menu on Accelerator's Jmenu	2	Tyler	In Progress	Provides a consistent menu structure and user interface with other JLab WEDM screens.
7	EDM -WEDM	Make graphical screens in EDM, replicating PLC HMIs. (~50 CSS screens to replicate contents of 64 HMS HMIs and 210 SHMS HMIs)	3	Pablo	Starting	Allows more detailed monitoring of PLC tags without having to remote log into a Hall C computer. Also allows remote monitoring without requiring PLC software or license.
8	WEDM	Develop script to convert WEDM text-based screens to CSS.	3	Amanda	Not Started	Allows WEDM screens to be converted for future use in CSS.
9	CSS-HV	Develop script in Python written to create CSS screens from TCL/TK configuration files.	2	Amanda	Completed	Instead of having to manually create GUIs in CSS, developing a script allows us to consistently place and space items on screen.
10	CSS-HV	Development of CSS HMS HV text monitoring and control (eight screens)	2	Amanda	Completed	Conversion of TCL/TK screens to Control Systems Studio (8 screens, one for each detector system)
11	CSS-HV	Development of CSS HMS histogram HV voltage and current monitoring (nine screens)	2	Amanda	Completed	Conversion of TCL/TK screens to Control Systems Studio (9 screens total, one for each detector system [8] and one for overall spectrometer status)
12	CSS-HV	Refine, test, & debug HMS HV CSS Screens	2	Tyler	Not Started	Testing and debug will be coordinated with Hall C
13	CSS-HV	Development of CSS SHMS HV text monitoring and control (13 screens)	2	Amanda	Completed	Conversion of TCL/TK screens to Control Systems Studio (13 screens, one for each detector system)
14	CSS-HV	Development of CSS SHMS histogram HV voltage and current monitoring (14 screens)	2	Amanda	Completed	Conversion of TCL/TK screens to Control Systems Studio (14 screens, one for each detector system plus one for overall spectrometer)
15	CSS-HV	Refine, test, & debug SHMS HV CSS Screens	2	Amanda	Not Started	Testing and debug will be coordinated with Hall C
16	CSS-HV	Develop script to create temporary workspace for users.	3	Pablo	In Progress	Prevents users from having to search for an open workspace when trying to access screens
17	CSS-HV	Develop script to open CSS and HV main menu in temporary workspace	3	Tyler	Not Started	Opens CSS in a way that gives a consistent interface for a users.
18	CSS-HV	Make Python program to facilitate easy swapping and addition of channels.	4	Pablo	Not Started	Will allow easy addition/removal/modification of HV channels in the future.
19	CSS-HV	Develop method to save configuration files for HV CSS screens.	4	Pablo	Not Started	Allows controls/monitor values to be restored when its IOC is restarted.