DSG-R&D Phoebus Alarm System Meeting Minutes

Date: March 03, 2022
Time: 11:00PM – 12:00PM

Attendees: Mary Ann Antonioli, Peter Bonneau, Aaron Brown, Pablo Campero, Brian Eng,
George Jacobs, Mindy Leffel, Tyler Lemon, Marc McMullen, and Amrit Yegneswaran

1. **Local PVs**
   Mary Ann Antonioli, Peter Bonneau, and Brian Eng
   1. Prefixed with loc://
   2. Only accessible within Phoebus itself
   3. Can be used to test widgets, rules, scripts, etc. without having a dedicated IOC setup
   4. To manipulate local PVs on a screen:
      - Applications > Debug > PV List
      - Select all the PVs to manipulate (can ctrl+click or ctrl+A)
      - Right click and select PV Table
      - From the PV Table double click in the Value cell to change PV
        - PV Table can be saved to skip PV List steps in the future (*.pvs)
   5. For single PVs just right click and go directly to PV Table

2. **EPICS alarm system based on CS-Studio Phoebus**
   Peter Bonneau
   1. Custom rebuild of Phoebus core and applications from source code
      - Sections of the Phoebus core and applications (including the alarm system code) were updated at the end of 2021
      - As a prerequisite for the build, the system configuration files created for first system build were edited and used in this rebuild
      - Successfully completed system build
   2. Created block diagram of the programs used by the Phoebus alarm system