DSG-R&D Phoebus Meeting Minutes

Date: July 07, 2023

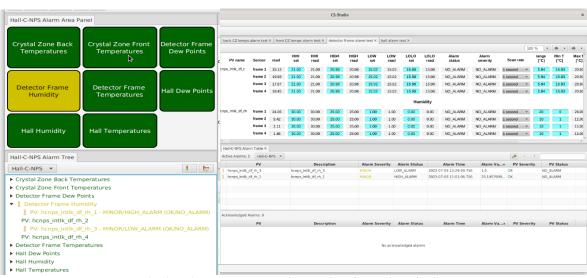
Time: 02:00PM - 02:30PM

<u>Attendees</u>: Peter Bonneau, Aaron Brown, Pablo Campero, Brian Eng, Tyler Lemon, and Marc McMullen

1. Alarm system test station development

Peter Bonneau

- 1. Discussed implementation of NPS detector signal simulator for alarm system testing
 - Integrating Visual Database Tool (VisualDCT) templates into alarm test system
 - The templates and a text substitution file form an EPICS database at IOC boot that generates simulated NPS detector signals via process variables (PVs); templates store EPICS alarm limits for each detector sensor group
 - Completed templates for
 - Crystal zone front and back temperatures
 - Detector frame temperatures
 - Detector frame humidity and dew points
 - Hall temperatures
 - Hall humidity and dew points
 - Debugged and tested Phoebus user interface screens
 - Programming PVs into nodes for the alarm area panel



Phoebus alarm system test station user interface and monitoring