Safety Interlock System and User Interfaces

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My poster will be on the safety interlock system (SIS) employed at the ACNS, focusing on the interfaces including the touch screens we use to operate the safety system for an instrument.
The touch screen interface design satisfies the needs of various users:
1. Instrument users require very clear and basic instructions to operate the instrument. A user is brought on sight for only a couple of days and shown by the instrument scientist how to operate the instrument only once. So the touch screens need to be straight forward and fairly intuitive to make this possible.

1. Instrument scientists employ the touch screen to operate the instrument and analyse faults when the safety system has a safety trip for example due to an emergency stop button being pressed or a safety malfunction occurring. The instrument scientist is the first point of call in any operational error and they decide who needs to be called. For example if there is a master reset required the instrument scientist will call a source officer.

2. The technical staff that employ the touch screen for trouble shooting the safety system in case there is an error that the instrument scientist can't recover from. The event log on the touch screen is a convenient central location that technical staff can sight and make a rapid determination of triage requirements.

Formal Invitation Letter Required

Yes

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Session Classification :   Nibblies - Poster, Sponsors DENIM Challenge

Track Classification :   Operations, User Support & Maintenance